Energy Procurement
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Development
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July 27, 2015

Ms. Michele Dermer
EPA Region 9, WTR-9
75 Hawthorne St.
San Francisco, CA 94105

Subject: Quarterly Report for PG&E Test Injection/Withdrawal Well 1
Second Quarter 2015
Permit No. R9UIC-CA5-FY13-1
King Island, San Joaquin County, California

Dear Ms. Dermer:

PG&E is providing the Second Quarter 2015 Report for the PG&E Test Injection/Withdrawal Well 1 to EPA in compliance with UIC Permit R9UIC-CA5-FY13-1 (the Permit), Part II.E.5. The Second Quarter 2015 monitoring period extends from April 1 through June 30, 2015, and includes all data required under the Permit to be collected during that time period.

A timeline presenting a summary of the King Island compression testing program is included as Attachment 1. The timeline shows the major compression testing phases as well as the dates of all monitoring, sampling and performance demonstration activities required under the Permit. Data collected during April and May 2015 were previously presented in the April and May Monthly Reports, which are included as Attachments 2 and 3. A detailed discussion of the monitoring data, performance demonstrations and Permit compliance activities for these months is included in the respective monthly reports. The monitoring data, performance demonstrations and compliance activities during June 2015 are discussed below. The compression testing program at King Island Gas Field was completed on June 4, 2015, and the program is in the post-test monitoring phase. PG&E Test Injection/Withdrawal Well 1 is currently shut in.

This Report provides the following minimum required information:

Permit Reporting Requirements	**Type of Information Provided**	**Location of Information**	**Format of Information**
Part II.E.5.a and b.: Submit the following quarterly, hourly, daily, and monthly parameters: • Injection rate, daily injection volume, total cumulative volume, wellhead injection pressure, annular pressure, and injection fluid temperature	Monitoring device data for I/W well	Attachment 4	Hard Copy and Electronic (PDF and Excel)
Part II.E.3.c: Continuously monitored pressures and temperatures at the wellhead tubing and casing annulus of the Piacentine 1-27 observation well	Wellhead tubing and casing annulus data for Piacentine 1-27 well	Attachment 5	Hard Copy and Electronic (PDF and Excel)
Part II.E.5.e: Submit Citizen Green 1 Well static bottomhole and wellhead pressures	Wellhead and calculated bottomhole pressure data for Citizen Green 1	Attachment 6	Hard Copy and Electronic (PDF and Excel)

The above attachments include cumulative data gathered since start of injection in PG&E Test Injection/Withdrawal Well 1 in February 2015. A sheet that contains the abbreviations used in Attachments 4 through 6 is included as Attachment 7.

In addition to the above monitoring and reporting requirements, PG&E is presenting the following information to address additional data evaluations that were performed during the month of June 2015:

Permit Reporting Requirements	**Type of Information Provided**	**Location of Information**	**Format of Information**
Part II.E.5.d: To be included with the next report immediately following the test, but no later than thirty (30) days after the completion of the test/workover: • The results of any additional Mechanical Integrity Tests (MITs)	External Mechanical Integrity Test, PG&E Test Injection/Withdrawal Well 1	Attachment 8	Hard Copy and Electronic (PDF and Excel)
Part II.E.5.g: Include in the quarterly report updates comparing test results to the predictive models.	Comparison of measured and predicted pressures in the Piacentine 1-27 Observation Well	Discussion below; data tables and chart in Attachment 9	Hard Copy and Electronic (PDF)

COMPARISON OF TEST RESULTS TO PREDICTIVE MODELING

As previously reported, the compression testing program progressed on a somewhat different schedule than originally planned due to limitations of the surface injection equipment; however, the cumulative injection volume of oxygen-depleted and ambient air through PG&E Test Injection/Withdrawal Well 1 remained generally as planned. A prior evaluation of the predicted and estimated pressure buildup in the King Island Reservoir at the Piacentine 1-27 observation well was presented in the March 2015 Monthly Report, which was submitted to EPA on April 27, 2015. An update of this evaluation is presented below.

Because the compression testing schedule was changed from that assumed during the modeling conducted to establish the Zone of Endangering Influence (ZEI) and perform corrective action evaluations in the Well Completion Report (finalized on April 13, 2015), the evaluation consists of comparing predicted and estimated BHPs in the Piacentine 1-27 well relative to the cumulative injection volume. In addition, because the cumulative injection volume cycled up and down after the initial bubble build using oxygen-depleted air and the predictive modeling did not consider such short-term fluctuations, the evaluation after the completion of the initial bubble build phase is limited to a qualitative comparison of pressure trends. This is considered appropriate because the highest pressure buildup was predicted and observed during the initial bubble build period, and this period is therefore of most concern to establishing the ZEI and evaluating the potential need for corrective actions.

Estimated BHPs for Piacentine 1-27 were calculated using measured tubing head pressures and pressure gradient data from periodic downhole surveys. The estimated BHPs and corresponding cumulative injection volumes are presented in Table 9a in Attachment 9. Table 9b in Attachment 9 presents the BHPs that were predicted in Piacentine 1-27 in MODFLOW modeling scenario Sh2Kl, which was considered to reflect the most likely reservoir conditions. A chart comparing estimated and predicted BHPs relative to the cumulative volume of oxygen-depleted air injected is also included in Attachment 9.

As illustrated on the chart, the estimated and predicted BHPs correlate well. Throughout most of the initial (oxygen-depleted air) bubble build phase, the estimated BHPs were either less than or within 3 psi above the predicted pressures. On April 13, the estimated and predicted BHPs were both 2,102 psia. After April 13, the estimated BHP increased slightly above the predicted BHP. The difference reached a maximum on April 29, when the estimated BHP was 2,173 psia compared to a predicted BHP of 2,148 psia, at a cumulative injection volume of 464 million standard cubic feet (MMSCF). This was the maximum BHP estimated at Piacentine 1-27 during the compression test, and although it was slightly above the pressure predicted under the Sh2Kl scenario, it is well within the range of pressures predicted during pressure buildup modeling in the Well Completion Report. The pressure dropped off rapidly in the well during temporary shut in periods on April 29 and May 1, 2015, and by the end of the oxygen-depleted air bubble build, the calculated pressure was 2,160 psia vs. a predicted pressure of 2,157 psia.

After building of the oxygen-depleted air bubble was completed on May 4, 2015, calculated BHPs in Piacentine 1-27 dropped off rapidly during flow testing and never recovered to the maximum levels observed during the initial bubble build phase, even after injection was resumed with ambient air. This is consistent with the general pattern of pressure buildup and decline predicted by the pressure buildup modeling as shown on Graph 5 of the Final Well Completion Report, PG&E CAES, Injection/Withdrawal Well and Observation Wells, January 28, 2015; however, after an observed initial rapid decline in pressure during flow testing, the observed rate of pressure decline appears to be slower than predicted by the model scenarios. This may be due to differences in the vertical permeability of the aquitard/aquifer system in the Mokelumne River Formation underlying the reservoir from those assumed in the model, or other conditions that were not considered in the simplified model. However, the relatively close correlation between the pressures predicted in the Sh2Kl modeling case and the observed pressures, and the fact that the maximum observed pressure was well within the predicted pressure range of the overall modeling, indicate that the modeling approach was appropriate and adequate for determination of the ZEI and for corrective action evaluations.

STATUS OF COMPLIANCE

Test Injection/Withdrawal Well 1 operated in full compliance with UIC Permit No. R9UIC-CA5-FY13-1 during the second quarter 2015 reporting period. Buildup of annular pressure in PG&E Test Injection/Withdrawal Well 1 triggered reporting requirements several times during the second quarter 2015 reporting period. As discussed in detail in the April and May Monthly reports included as Attachments 2 and 3, evaluation of the data indicated that on each occasion the recorded pressure buildup was due solely to thermal effects and did not represent a loss, or suspected loss, of mechanical integrity in the injection well. A document titled *Updated Evaluation of Annular Pressure-Temperature Relationship* was submitted to the EPA on June 8, 2015 and is included as Attachment 10. The June 8, 2015 updated evaluation supported the conclusion that observed annular pressure increases were solely a reflection of the operating conditions and not related to a loss of mechanical integrity of the tubing string or casing.

As summarized in Attachment 10, the I/W well annulus pressure exceeded 400 psia for a period of 41.5 hours between May 31 and June 2, 2015. This was subsequent to the new annulus pressure limitation of 400 psia approved by EPA and during the final withdrawal flow testing of ambient air. The final phase of withdrawal flow testing included a longer sustained withdrawal period than had previously been implemented. The 400 psia limitation was again exceeded during resumption of the final withdrawal testing on June 3 and 4, 2015; however, the withdrawal testing program ended on June 4, 2015, and the I/W well was shut-in before the exceedance reached 24 hours in duration. After the well was shut-in, the annular pressure fell below the 400 psia threshold consistent with the previously observed behavior when the pressure increases or decreases as a function of thermal effects. The June 8, 2015 updated evaluation concluded that while injection and withdrawal appear to affect annular pressures in a somewhat different way, there is enough general agreement between the predicted and observed annular pressure trends and values in this updated evaluation to conclude that the observed annular pressure readings above 400 psia are solely a reflection of the thermal effects due to the extended withdrawal operating conditions and do not reflect a loss of mechanical integrity. The EPA responded in a letter dated June 30, 2015 and concurred that the higher than expected annulus pressures are due to thermal effects, rather than a loss of mechanical integrity.

SCHEDULE

The compression test was completed on June 4, 2015. Now that the compression test is complete, reports will be submitted on a quarterly basis. The Third Quarter 2015 Report will be submitted to EPA by October 28, 2015. Subsequent quarterly reports will be submitted to EPA by the 28th day after the end of each calendar quarter.

This submittal includes hard copies of each of the ten attachments as well as a data CD with electronic copies of this report and all attachments. Electronic copies of this report and all attachments are also available at the following Dropbox link.

https://www.dropbox.com/sh/mf2qnl5v016e78f/AABIm-gfjIKWPpVCKe7hUgA6a?dl=0

If you have any questions regarding this submittal or require additional information, please feel free to contact me at (415) 973-6270.

Sincerely,

Mike Medeiros
Manager, Renewable Energy Development

Cc: Mr. James Walker, EPA Consultant
Mr. Michael Woods, Division of Oil, Gas and Geothermal Resources
Ms. Anne L. Olson, Central Valley Regional Water Quality Control Board

Enclosures: Data CD with all attachments
Attachment 1 - CAES Compression Test Project Timeline for Data Collection
Attachment 2 - April Monthly Report
Attachment 3 - May Monthly Report
Attachment 4 - Monitoring Device Data for I/W Well
Attachment 5 - Wellhead Tubing and Casing Annulus Data for Piacentine 1-27 Well
Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1
Attachment 7 - List of Abbreviations Used in Attachments 1 through 3
Attachment 8 - External Mechanical Integrity Test – June 18, 2015
Attachment 9 - Comparison of Estimated and Predicted Bottomhole Pressures, Piacentine 1-27
Attachment 10 - Updated Evaluation of Annular Pressure-Temperature Response, June 8, 2015

ATTACHMENT 1

CAES Compression Test Project Timeline for Data Collection

Attachment 1 - CAES Compression Test Project Data Collection Timeline

	Feb-14	Apr-14	May-14	Sep-14	Oct-14	Nov-14	Dec-14
Operations							
Drilling					10/8/14	11/4/14	
Well Completion						11/20/14	11/25/14
Nitrogen Lift							11/26/14
Well Stimulation							11/26/14
Oxygen Depleted Air Injection Bubble Build							
Oxygen Depleted Air Withdrawal Test (Cycle Test 1 & 2)							
Ambient Air Injection Bubble Build							
Ambient Air Withdrawal Test							
Demonstrations							
Step Rate Test (during drilling)						10/27/14	
Internal MIT - I/W Well							
Internal MIT - P 1-27							
Fall Off Tests							
External MIT							
Monitoring Logs							
I/W Well Wellhead Pressure & Temperature							
I/W Well Downhole Pressure & Temperature							
I/W Well Downhole Pressure & Temperature Survey							
I/W Well Annular Pressure & Temperature							
P 1-27 Wellhead Pressure & Temperature							
P 1-27 Well Downhole Pressure & Temperature Survey	2/12/14						
P 1-27 Well Annular Pressure & Temperature							
P 1-27 TMDL Log				9/10/14			
P 1-27 Temperature Log							
Citizen Green Wellhead Pressure & Temperature							
Citizen Green Downhole Pressure & Temperature Survey							
P 2-27 TMDL Log					10/23/14		
Sampling							
Injection Sample of Depleted Air							
Injection Sample of Ambient Air							
Sample of Water Flow Produced by N2 Lift of I/W Well						11/26/14	

Attachment 1 - CAES Compression Test Project Data Collection Timeline

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15
Operations						
Drilling						
Well Completion						
Nitrogen Lift						
Well Stimulation						
Oxygen Depleted Air Injection Bubble Build		2/14/15			5/4/15	
Oxygen Depleted Air Withdrawal Test (Cycle Test 1 & 2)				5/5/15	5/15/15	
Ambient Air Injection Bubble Build					5/21/15	5/30/15
Ambient Air Withdrawal Test				5/9/15	5/13/15 5/30/15	6/4/15
Demonstrations						
Step Rate Test (during drilling)						
Internal MIT - I/W Well	1/26/15					
Internal MIT - P 1-27	1/26/15					
Fall Off Tests		2/17/15 2/19/15	4/1/15	4/3/15 5/1/15	5/3/15	
External MIT						6/18/15
Monitoring Logs						
I/W Well Wellhead Pressure & Temperature	1/13/15					
I/W Well Downhole Pressure & Temperature	1/13/15					
I/W Well Downhole Pressure & Temperature Survey					6/3/15	6/5/15
I/W Well Annular Pressure & Temperature	1/13/15					
P 1-27 Wellhead Pressure & Temperature	1/13/15					
P 1-27 Well Downhole Pressure & Temperature Survey	1/21/15		3/30/15	4/4/15 4/30/15	5/9/15	5/30/15
P 1-27 Well Annular Pressure & Temperature	1/13/15					
P 1-27 TMDL Log				4/4/15		
P 1-27 Temperature Log					4/29/15	
Citizen Green Wellhead Pressure & Temperature		2/8/15				
Citizen Green Downhole Pressure & Temperature Survey	1/21/15				5/15/15	
P 2-27 TMDL Log				4/4/15	5/9/15	
Sampling		2/11/15				
Injection Sample of Depleted Air		2/16/15			5/7/15	
Injection Sample of Ambient Air					5/21/15	5/29/15
Sample of Water Flow Produced by N2 Lift of I/W Well						

ATTACHMENT 2

April 2015 Monthly Report

Energy Procurement
Renewable Energy
Development
245 Market Street, Room 1344
San Francisco, CA 94105-1702

Mailing Address
Mail Code N13W
P. O. Box 770000
San Francisco, CA 94177-0001

May 27, 2015

Ms. Michele Dermer
EPA Region 9, WTR-9
75 Hawthorne St.
San Francisco, CA 94105

Subject: April 2015 Monthly Report for PG&E Test Injection/Withdrawal Well 1
Permit No. R9UIC-CA5-FY13-1
King Island, San Joaquin County, California

Dear Ms. Dermer:

PG&E is providing this April 2015 Monthly Report to EPA in compliance with UIC Permit R9UIC-CA5-FY13-1, Part II.E.5 for PG&E Test Injection/Withdrawal Well 1, located within King Island Gas Field, San Joaquin County, California. The April monitoring period extends from April 1 through 30, 2015 and includes all data collected during that time period. Prior data since the start of injection is also included.

This Report provides the following minimum required information:

Permit Reporting Requirements	Type of Information Provided[1]	Location of Information	Format of Information
Part II.E.5.a and b.: Submit the following quarterly, hourly, daily, and monthly parameters: • Injection rate, daily injection volume, total cumulative volume, wellhead injection pressure, annular pressure, and injection fluid temperature	Monitoring device data for I/W well	Attachment 1	Hard Copy and Electronic (PDF and Excel)

[1] The data provided includes hourly, daily and monthly data. Quarterly data will be presented beginning with the combined June Monthly and Second Quarter 2015 Quarterly Report, which is due to be submitted on July 28, 2015.

Permit Reporting Requirements	Type of Information Provided[1]	Location of Information	Format of Information
Part II.E.3.c.: Continuously monitored pressures and temperatures at the wellhead tubing and casing annulus of the Piacentine 1-27 observation well	Wellhead tubing and casing annulus data for Piacentine 1-27 well	Attachment 2	Hard Copy and Electronic (PDF and Excel)
Part II.E.5.e.: Submit Citizen Green 1 Well static bottomhole and wellhead pressures	Wellhead and calculated bottomhole pressure data for Citizen Green 1	Attachment 3	Hard Copy and Electronic (PDF and Excel)

In addition to the above monitoring data requirements for monthly reporting, PG&E is presenting the following information to address additional data evaluations that were performed during this reporting period:

Permit Reporting Requirements	Type of Information Provided	Location of Information	Format of Information
Part II.E.5.d.i.: Submit the following: • Fall-off Test Results • Shut-in static reservoir pressure cumulative behavior plot of the injection zone	Fall-off Test Results, including data and reservoir pressure plots (Submitted to the EPA on May 5, 2015)	Attachment 4	Hardcopy, and Electronic (PDF and Excel)

A sheet that contains the abbreviations used in Attachments 1 through 3 is included as Attachment 5.

STATUS OF COMPLIANCE

A document titled *Updated Evaluation of Annular Pressure-Temperature Relationship* was submitted to the EPA on April 1, 2015. It was noted in the updated evaluation that annular temperatures are expected to be higher than originally evaluated, when the full compression train is used and as ambient temperatures increase, but are expected to remain between 30 and 600 psia during normal operating conditions. In a letter responding to this evaluation dated April 17, 2015, the EPA commented "The acceptance of the proposed range of acceptable annular pressure fluctuations of 30 to 600 psia will be considered pending a review of the recorded annular pressure versus temperature and injection rate data in future reports. In the interim, the upper limit of annular pressure can be set at 200 psia for compliance with paragraphs 6.b and 6.c and reporting a potential loss of mechanical integrity." In a response letter, dated April 24, 2015, PG&E accepted the 200 psia annular pressure limit on a contingent basis, with the understanding that should annular pressures exceeding 200 psia be measured, a higher pressure limit may be requested, if supported by pressure and temperature data analysis demonstrating that the annular pressure exceedance is not due to a loss of wellbore mechanical integrity.

From April 27 through 30, 2015, measured annular pressures in Test Injection/Withdrawal Well 1 continued to exceed the EPA specified range limit of 30 to 200 psia. PG&E notified EPA within 24 hours of the exceedances. Details regarding the exceedances were presented in a letter dated May 1, 2015. This letter also included an evaluation of the exceedances and an updated evaluation of the annular pressure-temperature relationship. The updated evaluation supported the conclusion

that the observed annular pressure increases were solely a reflection of the operating conditions and not related to a loss of mechanical integrity of the tubing string or casing. The EPA's response to the May 1 letter and an extended evaluation of the annular pressure-temperature relationship, submitted in May, will be reported in the May 2015 Monthly Report, which will be submitted on or before June 28, 2015.

Test Injection/Withdrawal Well 1 continued to operate in full compliance with UIC Permit No. R9UIC-CA5-FY13-1 during the April reporting period.

SCHEDULE

PG&E anticipates continuing the compression test into the first week of June 2015. Monthly compliance reports will be submitted to EPA by the 28th of each month until the completion of the test, at which point the reporting frequency will be changed from monthly to quarterly. The June 2015 Monthly Report will be combined with the Second Quarter 2015 Report, and will be submitted to EPA by July 28, 2015. Subsequent quarterly reports will be submitted to EPA by the 28th day after the end of each calendar quarter.

This submittal includes hard copies of each of the five attachments as well as a data CD with electronic copies of this report and all attachments. Electronic copies of this report and all attachments are also available at the following Dropbox link.

https://www.dropbox.com/sh/mf2qnl5v016e78f/AABIm-gfjIKWPpVCKe7hUgA6a?dl=0

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Enclosures: Data CD with all attachments
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Attachment 2 - Wellhead Tubing and Casing Annulus Data for Piacentine 1-27 Well
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Attachment 4 - Falloff Test Report – April 1 - 3, 2015
Attachment 5 - List of Abbreviations Used in Attachments 1 through 3

ATTACHMENT 1

Monitoring Device Data for I/W Well

Attachment 1 - Continuous Monitoring Device Data for I/W Well - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min.)	Number of Data Points	FE-004 - Injection Gas Flow Rate						Total Daily Injected Volume	FE-009 - Vented Gas Flow Rate						Total Daily Injected Volume	Net Cumulative Storage	TIT-002 (°F)			PIT-012 (PSIG)			PIT-018 (PSIG)		
						SCFM			MMSCFD				SCFM			MMSCFD					Temperature			Tubing Pressure			Annulus Pressure		
						Avg	Min	Max	Avg	Min	Max	MMSCF	Avg	Min	Max	Avg	Min	Max	MMSCF	MMSCF	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150113	01/13/15	14:23:01	23:59:56	09:36:55	6863	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.9	32.0	49.3	0.1	0.0	1.0	0.0	0.0	0.1
CAES150114	01/14/15	00:00:01	23:59:56	23:59:55	14498	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.9	28.1	78.4	0.0	0.0	1.0	0.0	0.0	0.2
CAES150115	01/15/15	00:00:01	23:59:56	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.9	41.1	53.2	0.0	0.0	0.1	0.0	0.0	0.0
CAES150116	01/16/15	00:00:01	09:52:26	09:52:25	7110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.8	43.7	46.2	0.0	0.0	0.0	0.0	0.0	0.0
	01/17/15								0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
	01/18/15								0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
CAES150119	01/19/15	10:59:06	23:59:56	13:00:50	9215	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.9	46.1	61.1	0.0	0.0	0.5	0.0	0.0	0.2
CAES150120	01/20/15	00:00:01	23:59:56	23:59:55	17277	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.8	39.5	73.3	0.0	0.0	0.8	0.0	0.0	0.5
CAES150121	01/21/15	00:00:01	23:59:56	23:59:55	16971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.5	38.7	76.4	0.0	0.0	0.6	0.0	0.0	0.5
CAES150122	01/22/15	00:00:00	23:59:55	23:59:55	17247	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.2	34.6	60.5	0.0	0.0	0.5	0.0	0.0	0.1
CAES150123	01/23/15	00:00:00	23:59:55	23:59:55	17241	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.9	34.4	64.8	0.0	0.0	892.8	0.0	0.0	7.4
CAES150124	01/24/15	00:00:00	07:28:10	07:28:10	5379	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.6	44.0	45.1	0.0	0.0	0.0	0.0	0.0	0.0
CAES150125	01/25/15								0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
CAES150126	01/26/15	08:28:45	23:59:55	15:31:10	11175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.3	42.1	81.0	0.0	0.0	0.0	130.4	0.0	2,980.7
CAES150127	01/27/15	00:00:00	16:59:00	16:59:00	12229	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	45.8	74.1	0.0	0.0	0.0	0.0	0.0	0.1
CAES150128	01/28/15								0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
CAES150129	01/29/15	07:46:05	23:59:55	16:13:50	11215	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.9	40.3	87.3	0.0	0.0	0.0	0.0	0.0	0.4
CAES150130	01/30/15	00:00:00	16:40:50	16:40:50	11837	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.5	37.9	95.6	0.0	0.0	0.0	0.0	0.0	0.3
CAES150131	01/31/15	15:36:35	23:59:55	08:23:20	6035	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.8	44.2	85.7	0.0	0.0	0.0	0.0	0.0	0.4
CAES150201	02/01/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.0	36.3	83.2	0.0	0.0	0.0	0.0	0.0	0.3
CAES150202	02/02/15	00:00:00	23:59:55	23:59:55	15827	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	1741.1	0.0	0.0	2.5	0.0	0.0	53.9	37.5	81.4	0.0	0.0	0.0	0.0	0.0	0.3
CAES150203	02/03/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.2	43.4	91.0	0.0	0.0	0.0	0.0	0.0	0.5
CAES150204	02/04/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	185.5	0.0	0.0	0.3	0.0	0.3	0.0	1287.3	0.0	0.0	1.9	0.0	0.0	54.2	42.3	76.0	0.0	0.0	0.0	0.0	0.0	0.2
CAES150205	02/05/15	00:00:00	23:59:55	23:59:55	17207	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.1	43.6	70.4	0.0	0.0	0.0	0.0	0.0	0.0
CAES150206	02/06/15	00:00:00	23:59:55	23:59:55	16349	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.7	48.6	67.6	0.0	0.0	0.0	0.0	0.0	0.2
CAES150207	02/07/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.2	55.2	77.6	0.0	0.0	0.4	0.0	0.0	0.4
CAES150208	02/08/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.8	55.8	64.8	0.0	0.0	0.0	0.0	0.0	0.2
CAES150209	02/09/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.6	45.2	91.2	0.0	0.0	0.0	0.0	0.0	0.8
CAES150210	02/10/15	00:00:00	23:59:55	23:59:55	17268	6.2	0.0	523.6	0.0	0.0	0.8	0.0	5.7	0.0	533.0	0.0	0.0	0.8	0.0	0.0	55.9	41.8	83.4	0.0	0.0	0.0	30.8	0.0	89.3
CAES150211	02/11/15	00:00:00	23:59:55	23:59:55	17280	25.3	0.0	1427.7	0.0	0.0	2.1	0.0	25.2	0.0	1427.2	0.0	0.0	2.1	0.0	0.0	59.3	38.4	96.4	0.9	0.0	5.9	84.0	83.1	84.9
CAES150212	02/12/15	00:00:00	23:59:55	23:59:55	17280	96.9	0.0	2018.5	0.1	0.0	2.9	0.1	95.4	0.0	2018.4	0.1	0.0	2.9	0.1	0.0	63.7	42.9	104.5	15.1	5.7	24.2	84.2	83.2	85.1
CAES150213	02/13/15	00:00:00	23:59:55	23:59:55	17280	492.7	0.0	5530.3	0.7	0.0	8.0	0.7	459.9	0.0	2967.9	0.7	0.0	4.3	0.7	0.0	64.6	42.9	106.5	725.1	24.1	1695.2	83.2	77.9	85.6
CAES150214	02/14/15	00:00:00	23:59:55	23:59:55	16079	673.6	0.0	3863.3	1.0	0.0	5.6	0.9	77.7	0.0	1763.0	0.1	0.0	2.5	0.1	0.8	67.8	42.4	111.3	1633.6	1620.0	1649.9	76.3	56.2	85.7
CAES150215	02/15/15	00:00:00	23:59:55	23:59:55	17280	1244.3	0.0	1704.8	1.8	0.0	2.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	73.5	56.4	91.4	1629.3	1621.3	1630.8	47.8	43.2	56.9
CAES150216	02/16/15	00:00:00	23:59:55	23:59:55	17280	1296.1	887.5	1491.5	1.9	1.3	2.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	75.9	61.6	91.4	1630.6	1629.4	1631.5	41.0	36.8	44.9
CAES150217	02/17/15	00:00:00	23:59:55	23:59:55	17280	359.3	0.0	1572.8	0.5	0.0	2.3	0.5	0.4	0.0	836.4	0.0	0.0	1.2	0.0	5.0	64.4	50.3	86.4	1622.1	1616.5	1632.1	47.4	35.6	58.4
CAES150218	02/18/15	00:00:00	23:59:55	23:59:55	17198	208.2	0.0	3092.2	0.3	0.0	4.5	0.3	112.1	0.0	2006.7	0.2	0.0	2.9	0.2	5.2	59.4	44.0	82.4	1616.7	1615.3	1625.9	62.6	56.3	66.6
CAES150219	02/19/15	00:00:00	23:59:55	23:59:55	17243	1113.6	0.0	1421.6	1.6	0.0	2.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	66.9	50.0	73.2	1628.1	1617.7	1631.6	46.7	38.9	60.5
CAES150220	02/20/15	00:00:00	23:59:55	23:59:55	16689	1029.5	0.0	3335.9	1.5	0.0	4.8	1.4	31.9	0.0	3441.5	0.0	0.0	5.0	0.0	8.2	71.1	57.9	102.8	1628.7	1620.3	1632.1	40.8	36.0	48.0
CAES150221	02/21/15	00:00:00	23:59:55	23:59:55	17280	1390.1	997.5	1497.4	2.0	1.4	2.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	70.0	63.6	80.7	1632.7	1631.4	1633.8	35.1	33.3	38.2
CAES150222	02/22/15	00:00:00	23:59:55	23:59:55	17280	1373.3	608.8	1513.0	2.0	0.9	2.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	70.9	61.0	85.2	1633.6	1632.2	1634.6	33.8	31.4	36.6
CAES150223	02/23/15	00:00:00	23:59:55	23:59:55	17280	1811.7	0.0	2601.8	2.6	0.0	3.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	69.8	59.3	85.8	1637.5	1634.2	1643.3	31.3	26.1	35.2
CAES150224	02/24/15	00:00:00	23:59:55	23:59:55	17280	2823.1	496.0	3705.8	4.1	0.7	5.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	70.2	54.7	87.7	1647.5	1639.7	1654.1	25.3	21.9	29.1
CAES150225	02/25/15	00:00:00	23:59:55	23:59:55	17280	2686.9	0.0	3984.1	3.9	0.0	5.7	3.9	3.6	0.0	1223.8	0.0	0.0	1.8	0.0	22.7	71.7	57.1	101.3	1650.2	1631.8	1657.0	25.6	20.2	33.8
CAES150226	02/26/15	00:00:00	23:59:55	23:59:55	17280	3209.1	0.0	3953.0	4.6	0.0	5.7	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.3	76.1	60.0	94.4	1656.5	1641.1	1661.3	27.0	20.6	34.8
CAES150227	02/27/15	00:00:00	23:59:55	23:59:55	17274	3821.1	0.0	4080.1	5.5	0.0	5.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.8	79.6	73.2	89.9	1664.1	1649.7	1667.4	32.3	29.0	36.5
CAES150228	02/28/15	00:00:00	23:59:55	23:59:55	17280	4062.9	0.0	4411.5	5.9	0.0	6.4	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.6	75.1	66.0	86.7	1669.5	1656.7	1672.5	30.9	28.7	33.4
CAES150301	03/01/15	00:00:00	23:59:55	23:59:55	17280	3716.9	561.9	4296.0	5.4	0.8	6.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	73.7	60.1	86.1	1670.1	1663.3	1675.0	30.4	27.7	34.2
CAES150302	03/02/15	00:00:00	23:59:55	23:59:55	17280	4043.3	2141.6	4320.5	5.8	3.1	6.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	76.0	65.8	90.1	1676.0	1669.0	1678.1	32.0	28.6	37.1
CAES150303	03/03/15	00:00:00	23:59:55	23:59:55	17280	2624.0	0.0	6104.3	3.8	0.0	8.8	3.8	221.8	0.0	3693.7	0.3	0.0	5.3	0.3	53.3	71.5	49.5	107.3	1668.8	1656.1	1678.5	33.6	25.6	43.1
CAES150304	03/04/15	00:00:00	23:59:55	23:59:55	17280	4127.3	0.0	4325.6	5.9	0.0	6.2	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.2	73.8	60.1	88.0	1678.9	1663.3	1682.5	30.2	25.5	34.5
CAES150305	03/05/15	00:00:00	23:59:55	23:59:55	17280	4162.7	0.0	4366.0	6.0	0.0	6.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.2	74.9	58.2	92.2	1684.0	1674.2	1687.0	31.3	25.4	37.1
CAES150306	03/06/15	00:00:00	23:59:55	23:59:55	17280	4135.9	1344.0	4395.3	6.0	1.9	6.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.2	78.0	61.8	94.9	1688.0	1677.9	1690.7	34.6	27.9	41.8
CAES150307	03/07/15	00:00:00	23:59:55	23:59:55	17280	4169.3	3891.4	4423.4	6.0	5.6	6.4	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.2	79.9	63.1	95.3	1691.9	1689.8	1694.2	38.9	31.4	46.5
CAES150308	03/08/15	00:00:00	23:59:55	23:59:55	16560	4130.1	3900.5	4356.6	5.9	5.6	6.3	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.9	80.8	61.8	98.5	1695.0	1693.2	1697.5	41.4	33.2	50.1
CAES150309	03/09/15	00:00:00	23:59:55	23:59:55	17280	4134.2	3890.0	4284.0	6.0	5.6	6.2	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.8	81.8	66.4	97.7	1698.3	1696.7	1700.8	44.4	36.5	53.5
CAES150310	03/10/15	00:00:00	23:59:55	23:59:55	17280	3927.0	0.0	5470.4	5.7	0.0	7.9	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.5	81.8	63.3	100.7	1700.6	1688.1	1711.9	47.0	39.2	54.6
CAES150311	03/11/15	00:00:00	23:59:55	23:59:55	17280	4379.3	0.0	5652.3	6.3	0.0	8.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.8	80.6	72.2	90.2	1705.9	1689.6	1711.8	47.1	43.3	50.7
CAES150312	03/12/15	00:00:00	23:59:55	23:59:55	17280	4462.6	3538.5	6853.1	6.4	5.1	9.9	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107.2	82.7	68.6	97.8	1709.4	1706.8	1716.8	46.6	38.0	56.7
CAES150313	03/13/15	00:00:00	23:59:55	23:59:55	17280	4698.2	0.0	5729.7	6.8	0.0	8.3	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114.0	87.0	73.2	105.3	1714.9	1697.8	1721.6	57.1	45.3	72.7
CAES150314	03/14/15	00:00:00	23:59:55	23:59:55	17069	4546.0	0.0	5668.0	6.5	0.0	8.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120.5	92.3	76.1	116.2	1718.9	1704.1	1725.5	68.0	52.6	83.8
CAES150315	03/15/15	00:00:00	23:59:55	23:59:55	17280	3788.5	0.0	4426.6	5.5	0.0	6.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	126.0	87.5	78.8	100.8	1715.5	1705.3	1720.5	68.8	62.4	75.8
CAES150316	03/16/15	00:00:00	23:59:55	23:59:55	17280	4688.9	0.0	7457.3	6.8	0.0	10.7	6.8	26.8	0.0	4335.1	0.0	0.0	6.2	0.0	132.7	83.0	73.5	106.8	1720.7	1704.7	1728.1	58.2	50.9	65.8
CAES150317	03/17/15	00:00:00	23:59:55	23:59:55	17280	5610.9	5394.4	5731.9	8.1	7.8	8.3	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140.8	86.1	74.1	98.1	1730.7	1727.9	1733.5	61.1	49.5	75.4
CAES150318	03/18/15	00:00:00	23:59:55	23:59:55	17280	4546.3	0.0	6799.9	6.5	0.0	9.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	147.3	84.3	68.5	99.9	1728.7	1715.2	1735.7	60.3	48.8	72.1
CAES150319	03/19/15	00:00:00	23:59:55	23:59:55	17280	3986.0	0.0	4571.9	5.7	0.0	6.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153.1	85.1	66.9	103.3	1726.8	1714.9	1729.4	61.1	48.8	73.4
CAES150320	03/20/15	00:00:00	23:59:55	23:59:55	17238	4279.0	0.0	4595.9	6.2	0.0	6.6	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	159.2	83.7	69.7	97.8	1729.7	1717.4	1732.2	60.7	50.6	70.2
CAES150321	03/21/15	00:00:00	23:59:55	23:59:55	17280	4395.3	2780.5	4516.0	6.3	4.0	6.5	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165.6	86.4	74.6	99.6	1732.9	1727.3	1734.9	62.8	52.8	74.3
CAES150322	03/22/15	00:00:00	23:59:55	23:59:55	17280	4443.5	2923.6	4586.8	6.4	4.2	6.6	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172.0	85.2	76.1	98.8	1735.6	1731.8	1737.2	64.2	55.9	72.4
CAES150323	03/23/15	00:00:00	23:59:55	23:59:55	17280	4460.5	2421.2	4588.1	6.4	3.5	6.6	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178.4	82.8	72.5	93.0	1737.6	1731.3	1739.3	60.0	53.4	66.7
CAES150324	03/24/15	00:00:00	23:59:55	23:59:55	17280	4407.3	0.0	4577.2	6.3	0.0	6.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	184.7	83.6	73.3	96.3	1739.7	1729.5	1741.4	58.6	50.9	67.4
CAES150325	03/25/15	00:00:00	23:59:55	23:59:55	17280	2993.8	0.0	6742.8	4.3	0.0	9.7	4.3	15.1	0.0	1256.7	0.0	0.0	1.8	0.0	189.0	85.5	71.2	117.6	1735.8	1723.6	1748.9	59.5	50.8	68.2
CAES150326	03/26/15	00:00:00	23:59:55	23:59:55	17280	6497.4	2505.2	7089.5	9.4	3.6	10.2	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198.4	91.4	74.0	109.1	1755.0	1738.7	1762.7	75.6	49.7	114.6
CAES150327	03/27/15	00:00:00	23:59:55	23:59:55	17280	6829.3	6490.8	7064.4	9.8	9.3	10.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	208.2	91.6	76.1	109.0	1764.9	1761.8	1768.8	98.3	63.3	139.8
CAES150328	03/28/15	00:00:00	23:59:55	23:59:55	17280	6505.7	0.0	7244.0	9.4	0.0	10.4	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	217.6	90.8	75.3	108.2	1768.9	1749.4	1774.1	101.3	68.9	144.3
CAES150329	03/29/15	00:00:00	23:59:55	23:59:55	17280	5641.4	5401.8	5864.7	8.1	7.8	8.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	225.7	91.6	73.7	110.0	1766.0	1764.1	1768.4	102.6	69.8	140.3
CAES150330	03/30/15	00:00:00	23:59:55	23:59:55	17280	6233.9	0.0	7073.2	9.0	0.0	10.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	234.7	90.7	73.8	109.9	1772.4	1756.0	1783.5	107.7	71.9	151.9
CAES150331	03/31/15	00:00:00	23:59:55	23:59:55	17280	5880.4	5654.6	6100.2	8.5	8.1	8.8	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	243.1	88.3	77.4	100.5	1773.7	1772.4	1775.4	97.7	82.3	115.1
CAES150401	04/01/15	00:00:00	23:59:55	23:59:55	17280	1774.2	0.0	6148.2	2.6	0.0	8.9	2.6	0.4	0.0	728.9	0.0	0.0	1.0	0.0	245.7	70.3	51.5	89.4	1758.7	1748.0	1775.3	77.3	58.3	88.6
CAES150402	04/02/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	245.7	63.6	48.3	88.3	1745.1	1742.9	1748.2	92.1	88.1	95.1

Attachment 1 - Continuous Monitoring Device Data for I/W Well - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min.)	Number of Data Points	FE-004 - Injection Gas Flow Rate						Total Daily Injected Volume	FE-009 - Vented Gas Flow Rate						Total Daily Injected Volume	Net Cumulative Storage	TIT-002 (°F)			PIT-012 (PSIG)			PIT-018 (PSIG)		
						SCFM			MMSCFD				SCFM			MMSCFD					Temperature			Tubing Pressure			Annulus Pressure		
						Avg	Min	Max	Avg	Min	Max	MMSCF	Avg	Min	Max	Avg	Min	Max	MMSCF	MMSCF	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150403	04/03/15	00:00:00	23:59:55	23:59:55	16140	4377.5	0.0	7212.4	6.3	0.0	10.4	5.9	277.4	0.0	6807.1	0.4	0.0	9.8	0.4	251.2	76.7	42.8	106.1	1759.8	1739.6	1776.4	94.7	77.4	111.5
CAES150404	04/04/15	00:00:00	23:59:55	23:59:55	17280	6775.3	2581.7	7109.5	9.8	3.7	10.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	261.0	85.5	68.8	100.9	1779.0	1768.4	1783.9	72.6	53.5	92.6
CAES150405	04/05/15	00:00:00	23:59:55	23:59:55	17280	6878.7	0.0	7173.7	9.9	0.0	10.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	270.9	81.2	70.6	94.1	1785.0	1764.0	1787.6	62.9	54.6	76.2
CAES150406	04/06/15	00:00:00	23:59:55	23:59:55	17280	6880.7	6369.8	7130.9	9.9	9.2	10.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	280.8	82.6	67.5	99.4	1789.0	1785.1	1792.9	56.8	42.1	73.8
CAES150407	04/07/15	00:00:00	23:59:55	23:59:55	17280	6840.3	0.0	8475.0	9.9	0.0	12.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	290.6	81.2	71.5	92.7	1793.5	1770.7	1798.8	60.3	50.8	66.7
CAES150408	04/08/15	00:00:00	23:59:55	23:59:55	17280	6908.9	6540.1	7184.6	9.9	9.4	10.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	300.6	78.7	68.8	89.5	1796.6	1794.4	1799.3	49.3	40.7	59.2
CAES150409	04/09/15	00:00:00	23:59:55	23:59:55	17280	6845.3	0.0	7095.7	9.9	0.0	10.2	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	310.4	81.2	67.4	94.1	1800.3	1779.5	1809.0	52.5	39.0	68.5
CAES150410	04/10/15	00:00:00	23:59:55	23:59:55	17280	5638.1	5468.6	5823.5	8.1	7.9	8.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	318.5	85.1	69.8	101.4	1797.4	1795.6	1799.2	64.7	49.1	84.4
CAES150411	04/11/15	00:00:00	23:59:55	23:59:55	17280	5612.5	0.0	5802.0	8.1	0.0	8.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	326.6	87.5	72.4	102.2	1799.8	1784.1	1807.6	73.6	54.8	95.1
CAES150412	04/12/15	00:00:00	23:59:55	23:59:55	17280	5225.5	0.0	5823.0	7.5	0.0	8.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	334.2	90.3	74.6	105.9	1801.1	1784.8	1804.7	85.8	63.0	113.9
CAES150413	04/13/15	00:00:00	23:59:55	23:59:55	17280	5486.8	0.0	5786.8	7.9	0.0	8.3	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	342.1	88.8	74.9	106.0	1804.7	1787.6	1807.4	91.6	71.1	112.2
CAES150414	04/14/15	00:00:00	23:59:55	23:59:55	17280	6363.3	2546.7	7169.8	9.2	3.7	10.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	351.2	84.4	71.5	95.2	1811.6	1793.0	1817.9	78.1	63.6	92.1
CAES150415	04/15/15	00:00:00	23:59:55	23:59:55	17280	6937.0	6701.2	7150.9	10.0	9.6	10.3	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	361.2	87.9	75.4	102.2	1819.6	1817.1	1823.4	81.5	57.8	114.8
CAES150416	04/16/15	00:00:00	23:59:55	23:59:55	17280	3794.1	0.0	7157.5	5.5	0.0	10.3	5.5	0.4	0.0	528.6	0.0	0.0	0.8	0.0	366.7	84.0	60.8	108.3	1812.3	1796.4	1823.6	82.0	62.3	97.8
CAES150417	04/17/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	366.7	72.7	46.1	109.6	1792.4	1789.5	1796.5	93.9	90.8	96.9
CAES150418	04/18/15	00:00:00	23:59:55	23:59:55	14138	3091.6	0.0	5500.9	4.5	0.0	7.9	4.5	9.4	0.0	1348.2	0.0	0.0	1.9	0.0	371.1	86.1	51.0	109.4	1798.0	1788.9	1809.6	97.4	82.3	117.1
CAES150419	04/19/15	00:00:00	23:59:55	23:59:55	17280	5472.1	5200.0	5681.2	7.9	7.5	8.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	379.0	92.2	76.7	110.6	1812.7	1809.4	1816.2	102.5	75.2	138.7
CAES150420	04/20/15	00:00:00	23:59:55	23:59:55	17280	5851.2	2271.1	6846.8	8.4	3.3	9.9	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	387.4	90.4	79.5	105.6	1819.3	1806.9	1826.4	105.3	82.0	135.5
CAES150421	04/21/15	00:00:00	23:59:55	23:59:55	17280	6316.6	0.0	6959.0	9.1	0.0	10.0	9.1	16.1	0.0	1544.7	0.0	0.0	2.2	0.0	396.5	89.0	78.9	113.4	1826.1	1803.1	1834.3	102.4	84.9	125.0
CAES150422	04/22/15	00:00:00	23:59:55	23:59:55	17280	6400.5	2415.9	6945.1	9.2	3.5	10.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	405.7	89.6	76.3	107.8	1830.2	1817.7	1834.7	94.2	71.3	129.3
CAES150423	04/23/15	00:00:00	23:59:55	23:59:55	17280	6733.5	6391.2	7050.5	9.7	9.2	10.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	415.4	91.5	77.2	109.3	1836.4	1833.9	1839.8	113.8	79.4	153.5
CAES150424	04/24/15	00:00:00	23:59:55	23:59:55	16748	4618.6	0.0	6908.6	6.7	0.0	9.9	6.4	15.4	0.0	2887.7	0.0	0.0	4.2	0.0	421.8	85.6	53.7	117.7	1830.8	1812.9	1840.0	115.2	104.8	127.0
CAES150425	04/25/15	00:00:00	23:59:55	23:59:55	17280	6725.7	5362.8	6953.2	9.7	7.7	10.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	431.5	90.0	82.1	99.8	1840.4	1835.4	1844.1	105.4	88.8	129.3
CAES150426	04/26/15	00:00:00	23:59:55	23:59:55	17280	6740.2	6403.9	6989.2	9.7	9.2	10.1	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.2	92.5	79.0	106.8	1845.5	1843.3	1849.0	117.6	83.2	164.3
CAES150427	04/27/15	00:00:00	23:59:55	23:59:55	17280	6627.6	6287.7	6931.0	9.5	9.1	10.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	450.8	97.3	82.9	115.3	1850.1	1847.8	1854.1	154.9	104.4	223.6
CAES150428	04/28/15	00:00:00	23:59:55	23:59:55	17280	6641.8	6254.6	6928.9	9.6	9.0	10.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	460.3	97.3	82.5	115.0	1854.6	1852.6	1857.5	185.2	129.5	252.8
CAES150429	04/29/15	00:00:00	23:59:55	23:59:55	17280	6650.4	6330.7	6957.3	9.6	9.1	10.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	469.9	96.6	79.7	113.5	1857.9	1855.7	1860.9	178.9	118.9	252.3
CAES150430	04/30/15	00:00:00	23:59:55	23:59:55	17280	6569.0	6201.4	6894.2	9.5	8.9	9.9	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.4	99.5	81.4	117.2	1861.4	1858.9	1864.8	204.2	127.8	293.3
		February Monthly Data (Operating Conditions Only)				1863.6	0.0	4411.5	2.7	0.0	6.4	2.6	15.1	0.0	3441.5	0.0	0.0	5.0	0.0	38.6	71.4	42.4	111.3	1638.8	1615.3	1672.5	38.8	20.2	85.7
		March Monthly Data (Operating Conditions Only)				4596.0	0.0	7457.3	6.6	0.0	10.7	6.6	8.5	0.0	4335.1	0.0	0.0	6.2	0.0	204.5	83.6	49.5	117.6	1720.5	1656.1	1783.5	59.4	25.4	151.9
		April Monthly Data (Operating Conditions Only)				5480.1	0.0	8475.0	7.9	0.0	12.2	7.3	11.8	0.0	6807.1	0.0	0.0	9.8	0.0	236.2	85.9	42.8	117.7	1810.4	1739.6	1864.8	98.2	39.0	293.3

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/08/15	01:00:00	56.4	0.0	0.0	0.0	0.0	0.0
02/08/15	02:00:00	57.5	0.0	0.0	0.0	0.0	0.0
02/08/15	03:00:00	57.8	0.0	0.0	0.0	0.0	0.0
02/08/15	04:00:00	57.3	0.0	0.0	0.0	0.0	0.0
02/08/15	05:00:00	57.3	0.0	0.0	0.0	0.0	0.0
02/08/15	06:00:00	58.6	0.0	0.0	0.0	0.0	0.0
02/08/15	07:00:00	58.9	0.0	0.0	0.0	0.0	0.0
02/08/15	08:00:00	59.1	0.0	0.0	0.0	0.0	0.0
02/08/15	09:00:00	57.9	0.0	0.0	0.0	0.0	0.0
02/08/15	10:00:00	58.2	0.0	0.0	0.0	0.0	0.0
02/08/15	11:00:00	61.3	0.0	0.0	0.0	0.0	0.0
02/08/15	12:00:00	62.6	0.0	0.0	0.0	0.0	0.0
02/08/15	13:00:00	61.3	0.0	0.0	0.0	0.0	0.0
02/08/15	14:00:00	61.1	0.0	0.0	0.0	0.0	0.0
02/08/15	15:00:00	62.9	0.0	0.0	0.0	0.0	0.0
02/08/15	16:00:00	62.1	0.0	0.0	0.0	0.0	0.0
02/08/15	17:00:00	63.7	0.0	0.0	0.0	0.0	0.0
02/08/15	18:00:00	63.8	0.0	0.0	0.0	0.0	0.0
02/08/15	19:00:00	61.7	0.0	0.0	0.0	0.0	0.0
02/08/15	20:00:00	61.3	0.0	0.0	0.0	0.0	0.0
02/08/15	21:00:00	59.8	0.0	0.0	0.0	0.0	0.0
02/08/15	22:00:00	58.5	0.0	0.0	0.0	0.0	0.0
02/08/15	23:00:00	57.8	0.0	0.0	0.0	0.0	0.0
02/09/15	00:00:00	58.4	0.0	0.0	0.0	0.0	0.0
02/09/15	01:00:00	59.1	0.0	0.0	0.0	0.0	0.0
02/09/15	02:00:00	57.1	0.0	0.0	0.0	0.0	0.0
02/09/15	03:00:00	55.6	0.0	0.0	0.0	0.0	0.0
02/09/15	04:00:00	56.5	0.0	0.0	0.0	0.0	0.0
02/09/15	05:00:00	57.2	0.0	0.0	0.0	0.0	0.0
02/09/15	06:00:00	56.9	0.0	0.0	0.0	0.0	0.0
02/09/15	07:00:00	56.0	0.0	0.0	0.0	0.0	0.0
02/09/15	08:00:00	55.6	0.0	0.0	0.0	0.0	0.0
02/09/15	09:00:00	60.8	0.0	0.0	0.0	0.0	0.0
02/09/15	10:00:00	71.9	0.0	0.0	0.0	0.0	0.0
02/09/15	11:00:00	81.5	0.0	0.0	0.0	0.0	0.0
02/09/15	12:00:00	87.4	0.0	0.1	0.0	0.0	0.0
02/09/15	13:00:00	90.0	0.0	0.2	0.0	0.0	0.0
02/09/15	14:00:00	87.5	0.0	0.3	0.0	0.0	0.0
02/09/15	15:00:00	89.9	0.0	0.4	0.0	0.0	0.0
02/09/15	16:00:00	86.6	0.0	0.2	0.0	0.0	0.0
02/09/15	17:00:00	80.5	0.0	0.1	0.0	0.0	0.0
02/09/15	18:00:00	68.7	0.0	0.0	0.0	0.0	0.0
02/09/15	19:00:00	60.4	0.0	0.0	0.0	0.0	0.0
02/09/15	20:00:00	56.3	0.0	0.0	0.0	0.0	0.0
02/09/15	21:00:00	53.4	0.0	0.0	0.0	0.0	0.0
02/09/15	22:00:00	50.6	0.0	0.0	0.0	0.0	0.0
02/09/15	23:00:00	48.3	0.0	0.0	0.0	0.0	0.0
02/10/15	00:00:00	45.9	0.0	0.0	0.0	0.0	0.0
02/10/15	01:00:00	45.2	0.0	0.0	0.0	0.0	0.0
02/10/15	02:00:00	45.7	0.0	0.0	0.0	0.0	0.0
02/10/15	03:00:00	45.7	0.0	0.0	0.0	0.0	0.0
02/10/15	04:00:00	45.1	0.0	0.0	0.0	0.0	0.0
02/10/15	05:00:00	44.1	0.0	0.0	0.0	0.0	0.0
02/10/15	06:00:00	42.9	0.0	0.0	0.0	0.0	0.0
02/10/15	07:00:00	42.3	0.0	0.0	0.0	0.0	0.0
02/10/15	08:00:00	42.4	0.0	0.0	0.0	0.0	0.0
02/10/15	09:00:00	50.5	0.0	0.0	0.0	0.0	0.0
02/10/15	10:00:00	62.4	0.0	0.0	0.0	0.0	0.0
02/10/15	11:00:00	71.3	0.0	0.0	0.0	0.0	0.0
02/10/15	12:00:00	75.4	0.0	0.0	0.0	0.0	0.0
02/10/15	13:00:00	77.4	0.0	0.0	0.0	0.0	0.0
02/10/15	14:00:00	80.7	0.0	0.0	0.0	0.0	0.0
02/10/15	15:00:00	77.9	0.0	0.0	0.0	0.0	0.0
02/10/15	16:00:00	70.0	0.0	69.4	0.0	0.0	0.0
02/10/15	17:00:00	67.5	0.0	84.9	0.0	0.0	0.0
02/10/15	18:00:00	62.3	0.0	84.8	0.2	0.2	0.0
02/10/15	19:00:00	56.0	0.0	84.7	0.0	0.0	0.0

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
02/10/15	20:00:00	51.6	0.0	84.6	0.0	0.0	0.0
02/10/15	21:00:00	48.9	0.0	84.5	0.0	0.0	0.0
02/10/15	22:00:00	46.4	0.0	84.3	0.0	0.0	0.0
02/10/15	23:00:00	44.8	0.0	84.2	0.0	0.0	0.0
02/11/15	00:00:00	44.3	0.0	84.1	0.0	0.0	0.0
02/11/15	01:00:00	42.9	0.0	84.0	0.0	0.0	0.0
02/11/15	02:00:00	42.1	0.0	83.9	0.0	0.0	0.0
02/11/15	03:00:00	41.6	0.0	83.8	0.0	0.0	0.0
02/11/15	04:00:00	41.3	0.0	83.7	0.0	0.0	0.0
02/11/15	05:00:00	40.4	0.0	83.6	0.0	0.0	0.0
02/11/15	06:00:00	39.3	0.0	83.5	0.0	0.0	0.0
02/11/15	07:00:00	38.8	0.0	83.4	0.0	0.0	0.0
02/11/15	08:00:00	39.4	0.0	83.4	0.0	0.0	0.0
02/11/15	09:00:00	48.4	0.0	83.5	0.0	0.0	0.0
02/11/15	10:00:00	62.8	0.0	83.7	0.0	0.0	0.0
02/11/15	11:00:00	78.4	0.0	83.7	0.4	0.4	0.0
02/11/15	12:00:00	87.2	0.0	84.0	0.4	0.4	0.0
02/11/15	13:00:00	89.7	0.0	84.2	0.1	0.1	0.0
02/11/15	14:00:00	89.9	0.0	84.5	0.0	0.0	0.0
02/11/15	15:00:00	91.5	0.0	84.6	0.0	0.0	0.0
02/11/15	16:00:00	85.3	0.7	84.6	0.0	0.0	0.0
02/11/15	17:00:00	75.4	1.8	84.5	0.0	0.0	0.0
02/11/15	18:00:00	66.3	2.4	84.5	0.0	0.0	0.0
02/11/15	19:00:00	60.4	2.9	84.5	0.0	0.0	0.0
02/11/15	20:00:00	56.6	3.4	84.4	0.0	0.0	0.0
02/11/15	21:00:00	54.0	4.0	84.4	0.0	0.0	0.0
02/11/15	22:00:00	51.9	4.5	84.3	0.0	0.0	0.0
02/11/15	23:00:00	49.9	5.0	84.2	0.0	0.0	0.0
02/12/15	00:00:00	48.8	5.5	84.1	0.0	0.0	0.0
02/12/15	01:00:00	48.0	6.1	84.0	0.0	0.0	0.0
02/12/15	02:00:00	47.8	6.6	83.9	0.0	0.0	0.0
02/12/15	03:00:00	46.8	7.2	83.8	0.0	0.0	0.0
02/12/15	04:00:00	45.5	7.7	83.8	0.0	0.0	0.0
02/12/15	05:00:00	44.6	8.3	83.7	0.0	0.0	0.0
02/12/15	06:00:00	43.9	8.9	83.6	0.0	0.0	0.0
02/12/15	07:00:00	43.3	9.5	83.5	0.0	0.0	0.0
02/12/15	08:00:00	43.4	10.3	83.5	0.0	0.0	0.0
02/12/15	09:00:00	52.3	11.2	83.6	0.0	0.0	0.0
02/12/15	10:00:00	66.0	12.2	83.8	0.0	0.0	0.0
02/12/15	11:00:00	79.2	13.6	83.8	0.0	0.0	0.0
02/12/15	12:00:00	89.5	14.7	84.1	0.0	0.0	0.0
02/12/15	13:00:00	94.7	15.9	84.3	0.0	0.0	0.0
02/12/15	14:00:00	97.6	17.1	84.6	0.0	0.0	0.0
02/12/15	15:00:00	95.5	18.2	84.8	0.0	0.0	0.0
02/12/15	16:00:00	95.8	19.1	84.8	0.9	0.9	0.0
02/12/15	17:00:00	88.1	20.1	84.7	2.4	2.4	0.0
02/12/15	18:00:00	75.9	20.5	84.7	0.0	0.0	0.0
02/12/15	19:00:00	65.5	21.1	84.7	0.0	0.0	0.0
02/12/15	20:00:00	59.3	21.6	84.6	0.0	0.0	0.0
02/12/15	21:00:00	54.8	22.2	84.5	0.0	0.0	0.0
02/12/15	22:00:00	52.0	22.8	84.4	0.0	0.0	0.0
02/12/15	23:00:00	49.9	23.3	84.3	0.0	0.0	0.0
02/13/15	00:00:00	48.4	23.9	84.2	0.0	0.0	0.0
02/13/15	01:00:00	47.2	24.5	84.0	0.0	0.0	0.0
02/13/15	02:00:00	46.2	25.0	83.9	0.0	0.0	0.0
02/13/15	03:00:00	45.5	25.6	83.8	0.0	0.0	0.0
02/13/15	04:00:00	44.7	26.2	83.7	0.0	0.0	0.0
02/13/15	05:00:00	44.1	26.8	83.6	0.0	0.0	0.0
02/13/15	06:00:00	43.4	27.4	83.6	0.0	0.0	0.0
02/13/15	07:00:00	43.1	28.1	83.5	0.0	0.0	0.0
02/13/15	08:00:00	44.6	28.8	83.5	0.0	0.0	0.0
02/13/15	09:00:00	52.2	29.9	83.5	0.0	0.0	0.0
02/13/15	10:00:00	68.8	31.2	83.7	1.0	1.0	0.0
02/13/15	11:00:00	80.1	32.8	83.8	1.6	1.6	0.0
02/13/15	12:00:00	90.8	34.2	84.0	3.0	2.9	0.0
02/13/15	13:00:00	96.7	35.6	84.3	2.5	2.5	0.0
02/13/15	14:00:00	99.1	533.3	84.6	2.4	2.3	0.0

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/13/15	15:00:00	100.1	1684.1	84.9	2.3	2.3	0.0
02/13/15	16:00:00	98.1	1683.9	84.9	2.0	2.0	0.0
02/13/15	17:00:00	89.6	1664.3	80.2	2.1	1.0	0.1
02/13/15	18:00:00	76.1	1638.4	79.3	0.1	0.1	0.0
02/13/15	19:00:00	65.6	1637.7	81.0	0.0	0.0	0.0
02/13/15	20:00:00	59.7	1637.5	81.9	0.0	0.0	0.0
02/13/15	21:00:00	56.2	1637.4	82.4	0.0	0.0	0.0
02/13/15	22:00:00	54.4	1637.3	82.8	0.0	0.0	0.0
02/13/15	23:00:00	53.2	1637.2	83.0	0.0	0.0	0.0
02/14/15	00:00:00	51.4	1637.2	83.1	0.0	0.0	0.0
02/14/15	01:00:00	50.0	1637.2	83.2	0.0	0.0	0.0
02/14/15	02:00:00	50.0	1637.2	83.3	0.0	0.0	0.0
02/14/15	03:00:00	49.0	1637.2	83.3	0.0	0.0	0.0
02/14/15	04:00:00	47.2	1637.2	83.3	0.0	0.0	0.0
02/14/15	05:00:00	46.7	1637.2	83.3	0.0	0.0	0.0
02/14/15	06:00:00	45.2	1637.2	83.3	0.0	0.0	0.0
02/14/15	07:00:00	43.5	1637.2	83.3	0.0	0.0	0.0
02/14/15	08:00:00	43.0	1637.3	83.3	0.0	0.0	0.0
02/14/15	09:00:00	51.4	1637.4	83.4	0.0	0.0	0.0
02/14/15	10:00:00	66.4	1637.3	83.6	0.0	0.0	0.0
02/14/15	11:00:00	74.8	1637.4	83.7	0.0	0.0	0.0
02/14/15	12:00:00	91.9	1637.0	84.1	0.0	0.0	0.0
02/14/15	13:00:00	101.2	1637.2	84.3	1.3	1.3	0.1
02/14/15	14:00:00	96.1	1636.6	84.0	2.0	0.9	0.1
02/14/15	15:00:00	92.9	1630.8	79.0	2.3	0.0	0.2
02/14/15	16:00:00	92.1	1632.2	75.1	2.3	0.0	0.3
02/14/15	17:00:00	90.0	1631.9	72.0	1.9	0.0	0.4
02/14/15	18:00:00	82.3	1625.4	71.4	1.1	0.0	0.4
02/14/15	19:00:00	78.5	1626.4	69.3	1.3	0.0	0.5
02/14/15	20:00:00	76.3	1628.9	66.8	1.9	0.0	0.6
02/14/15	21:00:00	73.5	1629.3	63.8	1.8	0.0	0.6
02/14/15	22:00:00	71.5	1629.5	61.2	1.9	0.0	0.7
02/14/15	23:00:00	69.5	1629.8	58.7	1.9	0.0	0.8
02/15/15	00:00:00	68.1	1628.2	56.9	1.8	0.3	0.8
02/15/15	01:00:00	67.2	1629.3	55.5	1.9	0.0	0.9
02/15/15	02:00:00	64.6	1626.5	54.1	1.1	0.0	1.0
02/15/15	03:00:00	59.0	1627.3	54.3	1.7	0.0	1.0
02/15/15	04:00:00	62.1	1629.8	51.3	2.1	0.0	1.1
02/15/15	05:00:00	60.9	1630.0	48.8	2.1	0.0	1.2
02/15/15	06:00:00	60.4	1630.2	46.8	2.1	0.0	1.3
02/15/15	07:00:00	60.9	1630.5	45.4	2.1	0.0	1.4
02/15/15	08:00:00	61.5	1630.6	44.1	2.0	0.0	1.5
02/15/15	09:00:00	65.9	1630.1	43.6	1.9	0.0	1.6
02/15/15	10:00:00	73.0	1629.7	44.0	1.8	0.0	1.6
02/15/15	11:00:00	78.8	1629.0	44.9	1.6	0.0	1.7
02/15/15	12:00:00	84.5	1629.5	45.8	1.8	0.0	1.8
02/15/15	13:00:00	88.4	1629.6	46.7	1.8	0.0	1.8
02/15/15	14:00:00	89.6	1628.0	47.7	1.2	0.0	1.9
02/15/15	15:00:00	87.6	1627.5	49.3	1.5	0.0	2.0
02/15/15	16:00:00	87.0	1628.7	49.4	1.6	0.0	2.0
02/15/15	17:00:00	85.7	1629.1	49.5	1.7	0.0	2.1
02/15/15	18:00:00	83.2	1629.2	49.2	1.8	0.0	2.2
02/15/15	19:00:00	79.4	1629.3	48.6	1.8	0.0	2.2
02/15/15	20:00:00	76.5	1629.5	47.7	1.9	0.0	2.3
02/15/15	21:00:00	74.2	1629.8	46.8	1.9	0.0	2.4
02/15/15	22:00:00	73.3	1629.9	45.9	1.9	0.0	2.5
02/15/15	23:00:00	71.3	1630.0	45.0	1.9	0.0	2.6
02/16/15	00:00:00	69.6	1630.1	44.0	1.9	0.0	2.6
02/16/15	01:00:00	68.8	1630.1	43.0	1.9	0.0	2.7
02/16/15	02:00:00	68.0	1630.7	42.0	2.1	0.0	2.8
02/16/15	03:00:00	67.8	1631.0	41.0	2.1	0.0	2.9
02/16/15	04:00:00	66.5	1631.0	40.0	2.1	0.0	3.0
02/16/15	05:00:00	65.2	1631.0	39.2	2.1	0.0	3.1
02/16/15	06:00:00	64.3	1630.5	38.6	1.9	0.0	3.1
02/16/15	07:00:00	62.4	1630.8	38.0	2.0	0.0	3.2
02/16/15	08:00:00	62.8	1631.0	37.3	2.0	0.0	3.3
02/16/15	09:00:00	68.7	1630.6	37.3	1.9	0.0	3.4

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/16/15	10:00:00	75.1	1630.6	37.7	1.9	0.0	3.5
02/16/15	11:00:00	81.6	1630.5	38.4	1.8	0.0	3.5
02/16/15	12:00:00	85.8	1630.3	39.5	1.7	0.0	3.6
02/16/15	13:00:00	89.1	1630.4	40.8	1.6	0.0	3.7
02/16/15	14:00:00	90.6	1630.3	42.0	1.6	0.0	3.8
02/16/15	15:00:00	91.3	1630.2	43.1	1.6	0.0	3.8
02/16/15	16:00:00	90.6	1629.9	44.0	1.6	0.0	3.9
02/16/15	17:00:00	88.8	1630.3	44.4	1.7	0.0	4.0
02/16/15	18:00:00	85.2	1629.9	44.5	1.7	0.0	4.0
02/16/15	19:00:00	80.6	1630.1	44.2	1.8	0.0	4.1
02/16/15	20:00:00	76.5	1630.3	43.5	1.9	0.0	4.2
02/16/15	21:00:00	75.0	1630.6	42.7	1.9	0.0	4.3
02/16/15	22:00:00	73.6	1630.8	41.9	2.0	0.0	4.3
02/16/15	23:00:00	71.9	1631.2	41.0	2.0	0.0	4.4
02/17/15	00:00:00	71.3	1631.0	40.3	1.9	0.0	4.5
02/17/15	01:00:00	69.1	1630.8	39.7	1.9	0.0	4.6
02/17/15	02:00:00	67.6	1630.9	39.0	2.0	0.0	4.7
02/17/15	03:00:00	67.8	1631.1	38.3	2.0	0.0	4.8
02/17/15	04:00:00	66.9	1631.4	37.6	2.2	0.0	4.8
02/17/15	05:00:00	65.0	1631.7	36.5	2.2	0.0	4.9
02/17/15	06:00:00	68.4	1631.8	36.0	2.1	0.0	5.0
02/17/15	07:00:00	58.5	1625.5	37.6	0.0	0.0	5.0
02/17/15	08:00:00	52.7	1623.2	40.4	0.0	0.0	5.0
02/17/15	09:00:00	54.2	1621.8	42.7	0.0	0.0	5.0
02/17/15	10:00:00	57.8	1620.8	44.6	0.0	0.0	5.0
02/17/15	11:00:00	60.5	1620.0	46.2	0.0	0.0	5.0
02/17/15	12:00:00	68.0	1619.5	47.8	0.0	0.0	5.0
02/17/15	13:00:00	78.8	1618.9	49.2	0.0	0.0	5.0
02/17/15	14:00:00	85.3	1618.6	50.5	0.0	0.0	5.0
02/17/15	15:00:00	85.6	1618.3	51.7	0.0	0.0	5.0
02/17/15	16:00:00	82.8	1617.8	52.7	0.0	0.0	5.0
02/17/15	17:00:00	75.3	1617.8	53.6	0.0	0.0	5.0
02/17/15	18:00:00	64.8	1617.4	54.4	0.0	0.0	5.0
02/17/15	19:00:00	56.4	1617.3	55.1	0.0	0.0	5.0
02/17/15	20:00:00	53.4	1617.2	55.8	0.0	0.0	5.0
02/17/15	21:00:00	52.4	1617.1	56.4	0.0	0.0	5.0
02/17/15	22:00:00	51.9	1617.0	56.9	0.0	0.0	5.0
02/17/15	23:00:00	51.3	1616.8	57.4	0.0	0.0	5.0
02/18/15	00:00:00	50.7	1616.7	57.9	0.0	0.0	5.0
02/18/15	01:00:00	50.0	1616.6	58.4	0.0	0.0	5.0
02/18/15	02:00:00	49.5	1616.6	58.9	0.0	0.0	5.0
02/18/15	03:00:00	49.0	1616.5	59.3	0.0	0.0	5.0
02/18/15	04:00:00	48.2	1616.4	59.8	0.0	0.0	5.0
02/18/15	05:00:00	47.8	1616.4	60.2	0.0	0.0	5.0
02/18/15	06:00:00	47.2	1616.3	60.6	0.0	0.0	5.0
02/18/15	07:00:00	45.3	1616.2	60.9	0.0	0.0	5.0
02/18/15	08:00:00	44.4	1616.4	61.3	0.0	0.0	5.0
02/18/15	09:00:00	52.4	1616.3	61.8	0.0	0.0	5.0
02/18/15	10:00:00	67.3	1616.1	62.3	0.0	0.0	5.0
02/18/15	11:00:00	67.7	1616.0	62.7	0.0	0.0	5.0
02/18/15	12:00:00	65.2	1616.0	63.1	0.0	0.0	5.0
02/18/15	13:00:00	64.5	1616.0	63.5	0.0	0.0	5.0
02/18/15	14:00:00	66.7	1616.0	63.9	0.0	0.0	5.0
02/18/15	15:00:00	75.8	1616.2	64.5	0.0	0.0	5.0
02/18/15	16:00:00	81.7	1615.7	64.8	0.0	0.0	5.0
02/18/15	17:00:00	79.4	1615.9	65.1	0.0	0.0	5.0
02/18/15	18:00:00	71.1	1615.6	65.4	0.0	0.0	5.0
02/18/15	19:00:00	64.0	1615.6	65.6	0.5	0.4	5.0
02/18/15	20:00:00	62.6	1615.6	65.8	1.6	1.5	5.0
02/18/15	21:00:00	54.6	1615.7	66.1	0.9	0.9	5.0
02/18/15	22:00:00	51.3	1615.7	66.2	1.0	1.0	5.0
02/18/15	23:00:00	60.7	1621.0	63.9	1.5	0.1	5.1
02/19/15	00:00:00	62.1	1624.7	58.6	1.8	0.0	5.2
02/19/15	01:00:00	60.5	1624.9	54.7	1.4	0.0	5.2
02/19/15	02:00:00	53.3	1619.6	56.1	0.0	0.0	5.2
02/19/15	03:00:00	50.3	1618.6	58.3	0.0	0.0	5.2
02/19/15	04:00:00	50.8	1618.8	59.5	0.3	0.0	5.2

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/19/15	05:00:00	62.8	1625.0	56.2	1.8	0.0	5.3
02/19/15	06:00:00	64.0	1626.6	52.5	1.8	0.0	5.4
02/19/15	07:00:00	64.6	1627.6	50.1	1.8	0.0	5.5
02/19/15	08:00:00	65.7	1628.3	48.3	1.8	0.0	5.5
02/19/15	09:00:00	67.3	1628.7	47.1	1.8	0.0	5.6
02/19/15	10:00:00	69.2	1629.1	46.2	1.8	0.0	5.7
02/19/15	11:00:00	71.0	1629.5	45.5	1.8	0.0	5.8
02/19/15	12:00:00	71.8	1629.8	44.8	1.8	0.0	5.8
02/19/15	13:00:00	72.1	1630.0	44.2	1.8	0.0	5.9
02/19/15	14:00:00	73.0	1630.2	43.8	1.8	0.0	6.0
02/19/15	15:00:00	72.6	1630.4	43.3	1.8	0.0	6.1
02/19/15	16:00:00	72.3	1630.6	42.9	1.9	0.0	6.1
02/19/15	17:00:00	71.9	1630.7	42.4	1.9	0.0	6.2
02/19/15	18:00:00	71.4	1630.8	41.9	1.9	0.0	6.3
02/19/15	19:00:00	71.2	1630.9	41.5	1.9	0.0	6.4
02/19/15	20:00:00	70.5	1631.0	41.0	1.9	0.0	6.5
02/19/15	21:00:00	70.0	1631.1	40.5	1.9	0.0	6.5
02/19/15	22:00:00	69.8	1631.1	40.1	1.9	0.0	6.6
02/19/15	23:00:00	70.1	1631.2	39.7	1.9	0.0	6.7
02/20/15	00:00:00	70.1	1631.3	39.3	1.9	0.0	6.8
02/20/15	01:00:00	69.6	1631.4	39.0	1.9	0.0	6.8
02/20/15	02:00:00	69.8	1631.4	38.7	1.9	0.0	6.9
02/20/15	03:00:00	69.4	1631.4	38.3	1.9	0.0	7.0
02/20/15	04:00:00	69.3	1631.4	38.0	1.9	0.0	7.1
02/20/15	05:00:00	69.1	1631.5	37.7	1.9	0.0	7.2
02/20/15	06:00:00	69.1	1631.5	37.5	1.9	0.0	7.2
02/20/15	07:00:00	68.5	1631.5	37.2	1.9	0.0	7.3
02/20/15	08:00:00	67.5	1631.7	36.8	1.9	0.0	7.4
02/20/15	09:00:00	68.4	1631.7	36.5	1.9	0.0	7.5
02/20/15	10:00:00	69.0	1631.7	36.3	1.9	0.0	7.6
02/20/15	11:00:00	62.0	1626.8	37.2	0.1	0.1	7.6
02/20/15	12:00:00	59.2	1624.2	40.3	0.0	0.0	7.6
02/20/15	13:00:00	75.9	1622.8	42.9	0.0	0.0	7.6
02/20/15	14:00:00	87.1	1622.1	44.5	0.0	0.0	7.6
02/20/15	15:00:00	89.4	1621.5	46.2	0.1	0.1	7.6
02/20/15	16:00:00	87.7	1623.8	47.3	2.0	0.9	7.6
02/20/15	17:00:00	79.9	1628.6	45.7	2.0	0.0	7.7
02/20/15	18:00:00	75.8	1627.6	44.3	1.3	0.0	7.7
02/20/15	19:00:00	64.7	1622.9	45.9	0.0	0.0	7.7
02/20/15	20:00:00	64.2	1627.1	45.5	1.7	0.0	7.8
02/20/15	21:00:00	67.3	1629.6	43.0	2.0	0.0	7.9
02/20/15	22:00:00	66.8	1630.3	41.2	2.1	0.0	8.0
02/20/15	23:00:00	65.7	1630.9	39.7	2.1	0.0	8.1
02/21/15	00:00:00	65.1	1631.4	38.5	2.1	0.0	8.2
02/21/15	01:00:00	65.8	1631.8	37.6	2.1	0.0	8.2
02/21/15	02:00:00	68.7	1632.0	37.0	2.0	0.0	8.3
02/21/15	03:00:00	67.9	1632.3	36.5	2.1	0.0	8.4
02/21/15	04:00:00	66.8	1632.4	35.9	2.1	0.0	8.5
02/21/15	05:00:00	66.8	1632.5	35.4	2.1	0.0	8.6
02/21/15	06:00:00	66.8	1632.6	35.0	2.1	0.0	8.7
02/21/15	07:00:00	66.8	1632.7	34.6	2.1	0.0	8.8
02/21/15	08:00:00	66.8	1632.8	34.3	2.1	0.0	8.8
02/21/15	09:00:00	67.4	1632.9	34.0	2.1	0.0	8.9
02/21/15	10:00:00	68.2	1633.0	33.8	2.1	0.0	9.0
02/21/15	11:00:00	69.3	1633.1	33.7	2.1	0.0	9.1
02/21/15	12:00:00	71.0	1633.2	33.7	2.1	0.0	9.2
02/21/15	13:00:00	74.3	1633.3	34.0	2.0	0.0	9.3
02/21/15	14:00:00	77.9	1633.1	34.5	2.0	0.0	9.4
02/21/15	15:00:00	80.0	1632.7	35.2	1.8	0.0	9.4
02/21/15	16:00:00	80.1	1632.5	35.9	1.8	0.0	9.5
02/21/15	17:00:00	78.5	1632.8	36.1	1.9	0.0	9.6
02/21/15	18:00:00	76.2	1632.6	36.2	1.9	0.0	9.7
02/21/15	19:00:00	72.0	1632.5	35.9	1.9	0.0	9.7
02/21/15	20:00:00	68.7	1632.7	35.5	1.9	0.0	9.8
02/21/15	21:00:00	66.9	1632.7	35.0	2.0	0.0	9.9
02/21/15	22:00:00	65.6	1632.7	34.5	2.0	0.0	10.0
02/21/15	23:00:00	64.5	1632.7	34.1	2.0	0.0	10.1

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/22/15	00:00:00	64.0	1632.8	33.7	2.0	0.0	10.2
02/22/15	01:00:00	65.1	1632.9	33.4	2.0	0.0	10.2
02/22/15	02:00:00	65.2	1633.0	33.3	1.9	0.0	10.3
02/22/15	03:00:00	65.9	1633.0	33.1	1.9	0.0	10.4
02/22/15	04:00:00	66.3	1633.0	33.0	1.9	0.0	10.5
02/22/15	05:00:00	64.1	1632.9	32.8	2.0	0.0	10.6
02/22/15	06:00:00	61.8	1632.9	32.4	2.0	0.0	10.6
02/22/15	07:00:00	61.2	1632.9	32.0	2.0	0.0	10.7
02/22/15	08:00:00	61.9	1633.0	31.7	2.0	0.0	10.8
02/22/15	09:00:00	66.8	1633.0	31.8	2.0	0.0	10.9
02/22/15	10:00:00	72.3	1633.4	32.3	2.0	0.0	11.0
02/22/15	11:00:00	76.6	1633.4	32.8	1.9	0.0	11.0
02/22/15	12:00:00	80.5	1633.4	33.6	1.8	0.0	11.1
02/22/15	13:00:00	83.8	1633.7	34.5	1.9	0.0	11.2
02/22/15	14:00:00	84.3	1633.9	35.2	1.9	0.0	11.3
02/22/15	15:00:00	83.0	1634.0	35.8	1.9	0.0	11.4
02/22/15	16:00:00	82.0	1633.9	36.2	1.9	0.0	11.4
02/22/15	17:00:00	78.9	1634.2	36.3	2.0	0.0	11.5
02/22/15	18:00:00	75.3	1634.0	36.0	2.0	0.0	11.6
02/22/15	19:00:00	72.2	1634.1	35.6	2.0	0.0	11.7
02/22/15	20:00:00	70.3	1634.2	35.1	2.1	0.0	11.8
02/22/15	21:00:00	67.8	1634.3	34.5	2.1	0.0	11.9
02/22/15	22:00:00	65.5	1634.4	33.9	2.2	0.0	12.0
02/22/15	23:00:00	64.9	1634.4	33.3	2.2	0.0	12.0
02/23/15	00:00:00	65.7	1634.5	32.9	2.1	0.0	12.1
02/23/15	01:00:00	65.1	1634.5	32.5	2.1	0.0	12.2
02/23/15	02:00:00	64.5	1634.6	32.1	2.2	0.0	12.3
02/23/15	03:00:00	63.4	1634.6	31.8	2.2	0.0	12.4
02/23/15	04:00:00	62.3	1634.6	31.3	2.2	0.0	12.5
02/23/15	05:00:00	61.1	1634.6	30.9	2.2	0.0	12.6
02/23/15	06:00:00	60.5	1634.7	30.6	2.1	0.0	12.7
02/23/15	07:00:00	59.8	1634.7	30.3	2.1	0.0	12.8
02/23/15	08:00:00	59.8	1634.8	30.0	2.1	0.0	12.8
02/23/15	09:00:00	65.0	1634.9	30.1	2.1	0.0	12.9
02/23/15	10:00:00	70.5	1634.9	30.6	2.0	0.0	13.0
02/23/15	11:00:00	75.8	1634.9	31.2	2.0	0.0	13.1
02/23/15	12:00:00	79.0	1634.9	32.1	1.9	0.0	13.2
02/23/15	13:00:00	82.7	1635.1	33.0	1.9	0.0	13.3
02/23/15	14:00:00	85.1	1635.1	34.0	1.9	0.0	13.3
02/23/15	15:00:00	83.5	1637.3	34.6	2.7	0.0	13.5
02/23/15	16:00:00	82.5	1640.2	34.0	3.5	0.0	13.6
02/23/15	17:00:00	80.1	1641.8	33.2	3.6	0.0	13.7
02/23/15	18:00:00	76.3	1642.4	32.3	3.7	0.0	13.9
02/23/15	19:00:00	71.9	1642.8	31.1	3.6	0.0	14.1
02/23/15	20:00:00	68.2	1640.5	30.3	2.6	0.0	14.2
02/23/15	21:00:00	67.3	1640.9	30.3	3.1	0.0	14.3
02/23/15	22:00:00	66.5	1642.5	29.2	3.6	0.0	14.4
02/23/15	23:00:00	63.4	1642.8	28.0	3.6	0.0	14.6
02/24/15	00:00:00	60.8	1643.0	26.9	3.6	0.0	14.7
02/24/15	01:00:00	58.1	1643.0	25.9	3.5	0.0	14.9
02/24/15	02:00:00	57.8	1643.2	25.2	3.5	0.0	15.0
02/24/15	03:00:00	57.2	1643.2	24.5	3.5	0.0	15.2
02/24/15	04:00:00	56.2	1643.1	23.9	3.4	0.0	15.3
02/24/15	05:00:00	55.9	1643.2	23.4	3.4	0.0	15.5
02/24/15	06:00:00	56.8	1643.3	23.0	3.5	0.0	15.6
02/24/15	07:00:00	56.2	1643.3	22.6	3.5	0.0	15.8
02/24/15	08:00:00	57.2	1643.6	22.2	3.5	0.0	15.9
02/24/15	09:00:00	62.5	1643.5	22.3	3.4	0.0	16.0
02/24/15	10:00:00	68.7	1643.7	22.8	3.4	0.0	16.2
02/24/15	11:00:00	74.1	1643.7	23.4	3.4	0.0	16.3
02/24/15	12:00:00	78.3	1644.2	24.3	3.4	0.0	16.5
02/24/15	13:00:00	81.9	1645.0	25.2	3.6	0.0	16.6
02/24/15	14:00:00	83.9	1649.5	25.8	4.8	0.0	16.8
02/24/15	15:00:00	85.4	1650.7	26.5	4.8	0.0	17.0
02/24/15	16:00:00	85.9	1651.2	27.3	4.7	0.0	17.2
02/24/15	17:00:00	86.4	1652.5	27.9	4.8	0.0	17.4
02/24/15	18:00:00	84.2	1651.6	28.5	4.4	0.0	17.6

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/24/15	19:00:00	79.5	1652.2	28.6	4.7	0.0	17.8
02/24/15	20:00:00	76.5	1653.1	28.1	4.9	0.0	18.0
02/24/15	21:00:00	73.1	1653.3	27.5	4.8	0.0	18.2
02/24/15	22:00:00	71.5	1653.5	26.8	4.9	0.0	18.4
02/24/15	23:00:00	70.7	1653.7	26.3	4.8	0.0	18.6
02/25/15	00:00:00	67.2	1653.8	25.6	4.9	0.0	18.8
02/25/15	01:00:00	65.9	1654.1	24.8	5.0	0.0	19.0
02/25/15	02:00:00	63.6	1654.2	24.1	5.0	0.0	19.2
02/25/15	03:00:00	60.7	1654.2	23.2	5.0	0.0	19.4
02/25/15	04:00:00	60.5	1654.2	22.4	4.9	0.0	19.6
02/25/15	05:00:00	60.3	1654.1	22.0	4.9	0.0	19.8
02/25/15	06:00:00	58.9	1654.1	21.4	4.9	0.0	20.0
02/25/15	07:00:00	58.6	1654.1	20.9	4.9	0.0	20.2
02/25/15	08:00:00	58.6	1654.2	20.5	4.9	0.0	20.5
02/25/15	09:00:00	63.6	1654.3	20.5	4.9	0.0	20.7
02/25/15	10:00:00	68.7	1654.5	20.8	4.8	0.0	20.9
02/25/15	11:00:00	73.7	1650.5	21.8	3.4	0.0	21.0
02/25/15	12:00:00	78.3	1649.8	23.2	3.4	0.0	21.1
02/25/15	13:00:00	83.2	1648.7	24.6	2.7	0.0	21.3
02/25/15	14:00:00	91.6	1640.9	26.7	0.0	0.0	21.3
02/25/15	15:00:00	88.8	1638.3	28.8	0.0	0.0	21.3
02/25/15	16:00:00	81.4	1636.9	30.8	0.0	0.0	21.3
02/25/15	17:00:00	83.4	1636.0	32.5	0.2	0.1	21.3
02/25/15	18:00:00	76.3	1639.9	33.3	2.4	0.0	21.4
02/25/15	19:00:00	75.7	1646.3	32.1	4.3	0.0	21.5
02/25/15	20:00:00	76.2	1652.9	30.2	5.6	0.0	21.8
02/25/15	21:00:00	74.7	1654.7	28.8	5.5	0.0	22.0
02/25/15	22:00:00	72.2	1655.3	27.7	5.4	0.0	22.2
02/25/15	23:00:00	74.7	1656.0	27.1	5.3	0.0	22.4
02/26/15	00:00:00	70.5	1656.6	26.5	5.4	0.0	22.7
02/26/15	01:00:00	68.3	1657.4	25.6	5.5	0.0	22.9
02/26/15	02:00:00	66.2	1657.8	24.7	5.6	0.0	23.1
02/26/15	03:00:00	65.5	1658.0	23.9	5.5	0.0	23.4
02/26/15	04:00:00	66.6	1658.4	23.4	5.5	0.0	23.6
02/26/15	05:00:00	63.5	1658.5	22.8	5.6	0.0	23.8
02/26/15	06:00:00	61.4	1658.8	22.0	5.7	0.0	24.1
02/26/15	07:00:00	60.7	1659.0	21.4	5.6	0.0	24.3
02/26/15	08:00:00	62.2	1659.2	21.0	5.6	0.0	24.5
02/26/15	09:00:00	67.5	1659.2	21.0	5.5	0.0	24.8
02/26/15	10:00:00	73.4	1659.2	21.6	5.3	0.0	25.0
02/26/15	11:00:00	79.5	1659.3	22.6	5.2	0.0	25.2
02/26/15	12:00:00	85.1	1660.4	24.0	5.5	0.0	25.4
02/26/15	13:00:00	89.5	1657.6	25.7	4.2	0.0	25.6
02/26/15	14:00:00	92.8	1660.0	27.6	5.1	0.0	25.8
02/26/15	15:00:00	90.8	1647.7	29.4	0.0	0.0	25.8
02/26/15	16:00:00	85.7	1644.1	31.4	0.0	0.0	25.8
02/26/15	17:00:00	80.7	1642.4	33.1	0.0	0.0	25.8
02/26/15	18:00:00	81.8	1645.7	34.4	2.5	0.0	25.9
02/26/15	19:00:00	83.0	1655.3	33.6	5.4	0.0	26.1
02/26/15	20:00:00	83.4	1657.7	32.8	5.5	0.0	26.4
02/26/15	21:00:00	82.3	1659.0	32.4	5.5	0.0	26.6
02/26/15	22:00:00	80.8	1659.8	32.0	5.5	0.0	26.8
02/26/15	23:00:00	78.7	1660.6	31.5	5.5	0.0	27.1
02/27/15	00:00:00	78.0	1661.0	31.0	5.5	0.0	27.3
02/27/15	01:00:00	77.4	1661.5	30.7	5.5	0.0	27.5
02/27/15	02:00:00	76.8	1661.9	30.3	5.5	0.0	27.8
02/27/15	03:00:00	76.4	1662.4	30.0	5.6	0.0	28.0
02/27/15	04:00:00	75.9	1662.7	29.8	5.6	0.0	28.2
02/27/15	05:00:00	75.4	1662.9	29.5	5.6	0.0	28.5
02/27/15	06:00:00	75.3	1662.7	29.3	5.5	0.0	28.7
02/27/15	07:00:00	74.8	1661.2	29.3	4.8	0.0	28.9
02/27/15	08:00:00	75.7	1660.3	29.7	4.6	0.0	29.1
02/27/15	09:00:00	79.1	1662.3	30.0	5.4	0.0	29.3
02/27/15	10:00:00	82.9	1662.9	30.6	5.4	0.0	29.5
02/27/15	11:00:00	85.7	1663.3	31.5	5.4	0.0	29.8
02/27/15	12:00:00	87.2	1663.7	32.5	5.4	0.0	30.0
02/27/15	13:00:00	88.9	1664.1	33.7	5.4	0.0	30.2

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/27/15	14:00:00	88.7	1664.5	34.7	5.4	0.0	30.4
02/27/15	15:00:00	88.1	1665.1	35.4	5.5	0.0	30.7
02/27/15	16:00:00	86.8	1665.3	36.0	5.5	0.0	30.9
02/27/15	17:00:00	83.7	1665.8	36.0	5.6	0.0	31.1
02/27/15	18:00:00	80.7	1665.7	35.7	5.5	0.0	31.4
02/27/15	19:00:00	78.0	1665.8	35.1	5.6	0.0	31.6
02/27/15	20:00:00	76.1	1666.6	34.2	5.8	0.0	31.8
02/27/15	21:00:00	75.1	1666.9	33.5	5.8	0.0	32.1
02/27/15	22:00:00	74.3	1667.0	32.8	5.8	0.0	32.3
02/27/15	23:00:00	73.4	1667.2	32.2	5.8	0.0	32.6
02/28/15	00:00:00	73.3	1667.2	31.7	5.8	0.0	32.8
02/28/15	01:00:00	73.6	1667.3	31.3	5.7	0.0	33.0
02/28/15	02:00:00	73.6	1667.4	31.1	5.7	0.0	33.3
02/28/15	03:00:00	72.6	1665.2	30.9	4.9	0.0	33.5
02/28/15	04:00:00	73.0	1667.3	30.7	5.7	0.0	33.7
02/28/15	05:00:00	73.0	1667.4	30.4	5.7	0.0	34.0
02/28/15	06:00:00	71.2	1667.6	30.0	5.7	0.0	34.2
02/28/15	07:00:00	71.4	1667.8	29.6	5.7	0.0	34.4
02/28/15	08:00:00	70.1	1667.9	29.1	5.7	0.0	34.7
02/28/15	09:00:00	73.2	1668.0	29.1	5.6	0.0	34.9
02/28/15	10:00:00	73.7	1667.8	29.3	5.5	0.0	35.1
02/28/15	11:00:00	78.5	1668.0	29.8	5.5	0.0	35.4
02/28/15	12:00:00	83.8	1669.3	30.7	5.8	0.0	35.6
02/28/15	13:00:00	85.3	1669.9	31.9	6.0	0.0	35.9
02/28/15	14:00:00	81.7	1670.4	32.4	6.1	0.0	36.1
02/28/15	15:00:00	79.8	1671.2	32.4	6.1	0.0	36.4
02/28/15	16:00:00	82.2	1671.3	32.8	6.1	0.0	36.6
02/28/15	17:00:00	79.5	1671.5	32.9	6.2	0.0	36.9
02/28/15	18:00:00	80.6	1671.8	33.0	6.2	0.0	37.1
02/28/15	19:00:00	74.8	1672.1	32.6	6.2	0.0	37.4
02/28/15	20:00:00	71.8	1672.0	31.6	6.2	0.0	37.6
02/28/15	21:00:00	71.3	1672.1	31.0	6.2	0.0	37.9
02/28/15	22:00:00	70.9	1672.0	30.4	6.1	0.0	38.2
02/28/15	23:00:00	70.2	1672.0	29.9	6.0	0.0	38.4
03/01/15	00:00:00	67.4	1670.5	29.4	5.6	0.0	38.6
03/01/15	01:00:00	66.3	1671.8	28.6	6.1	0.0	38.9
03/01/15	02:00:00	64.0	1667.6	28.2	4.4	0.0	39.1
03/01/15	03:00:00	63.2	1665.7	28.5	4.1	0.0	39.3
03/01/15	04:00:00	62.4	1665.0	28.5	4.1	0.0	39.4
03/01/15	05:00:00	63.7	1664.7	28.5	4.1	0.0	39.6
03/01/15	06:00:00	62.0	1664.2	28.4	4.0	0.0	39.8
03/01/15	07:00:00	61.2	1664.1	28.2	4.1	0.0	39.9
03/01/15	08:00:00	63.0	1663.9	28.0	4.1	0.0	40.1
03/01/15	09:00:00	70.1	1667.5	28.2	5.5	0.0	40.3
03/01/15	10:00:00	73.9	1669.4	28.1	5.7	0.0	40.6
03/01/15	11:00:00	76.4	1669.8	28.3	5.6	0.0	40.8
03/01/15	12:00:00	78.5	1670.1	28.9	5.5	0.0	41.0
03/01/15	13:00:00	81.6	1670.9	29.8	5.7	0.0	41.3
03/01/15	14:00:00	83.8	1671.6	30.7	5.8	0.0	41.5
03/01/15	15:00:00	84.9	1672.1	31.5	5.8	0.0	41.8
03/01/15	16:00:00	85.1	1672.4	32.3	5.8	0.0	42.0
03/01/15	17:00:00	85.0	1672.8	33.1	5.8	0.0	42.2
03/01/15	18:00:00	83.4	1673.2	33.5	5.9	0.0	42.5
03/01/15	19:00:00	82.6	1673.7	33.8	6.0	0.0	42.7
03/01/15	20:00:00	79.1	1673.9	33.7	6.0	0.0	43.0
03/01/15	21:00:00	76.5	1674.1	33.2	6.0	0.0	43.2
03/01/15	22:00:00	74.9	1674.3	32.7	6.0	0.0	43.5
03/01/15	23:00:00	74.2	1674.5	32.2	6.1	0.0	43.7
03/02/15	00:00:00	71.9	1674.7	31.6	6.1	0.0	44.0
03/02/15	01:00:00	70.2	1675.0	30.8	6.2	0.0	44.3
03/02/15	02:00:00	69.8	1675.0	30.2	6.1	0.0	44.5
03/02/15	03:00:00	72.1	1675.2	29.9	6.1	0.0	44.8
03/02/15	04:00:00	70.8	1675.4	29.6	6.2	0.0	45.0
03/02/15	05:00:00	71.0	1675.6	29.3	6.1	0.0	45.3
03/02/15	06:00:00	72.1	1675.7	29.2	6.1	0.0	45.5
03/02/15	07:00:00	71.9	1675.9	29.0	6.1	0.0	45.8

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
03/02/15	08:00:00	72.4	1676.0	28.9	6.1	0.0	46.0
03/02/15	09:00:00	75.6	1676.2	29.1	6.0	0.0	46.3
03/02/15	10:00:00	80.3	1676.2	29.9	5.9	0.0	46.5
03/02/15	11:00:00	83.4	1676.5	30.9	6.0	0.0	46.8
03/02/15	12:00:00	87.0	1677.1	32.3	6.0	0.0	47.0
03/02/15	13:00:00	88.1	1677.3	33.7	6.0	0.0	47.3
03/02/15	14:00:00	89.0	1676.2	35.0	5.3	0.0	47.5
03/02/15	15:00:00	87.4	1671.3	36.2	3.7	0.0	47.7
03/02/15	16:00:00	81.2	1670.8	36.7	4.0	0.0	47.8
03/02/15	17:00:00	79.1	1676.1	36.1	5.9	0.0	48.1
03/02/15	18:00:00	77.5	1676.7	35.6	5.9	0.0	48.3
03/02/15	19:00:00	73.3	1677.0	34.6	6.0	0.0	48.6
03/02/15	20:00:00	72.6	1677.3	33.6	6.0	0.0	48.8
03/02/15	21:00:00	71.2	1677.6	32.9	6.0	0.0	49.1
03/02/15	22:00:00	70.0	1677.6	32.1	6.0	0.0	49.3
03/02/15	23:00:00	71.0	1677.7	31.6	6.0	0.0	49.6
03/03/15	00:00:00	68.2	1677.9	31.0	6.1	0.0	49.8
03/03/15	01:00:00	66.3	1678.1	30.1	6.1	0.0	50.1
03/03/15	02:00:00	65.7	1678.3	29.3	6.2	0.0	50.3
03/03/15	03:00:00	64.0	1678.1	28.6	6.1	0.0	50.6
03/03/15	04:00:00	62.0	1678.1	27.8	6.1	0.0	50.8
03/03/15	05:00:00	62.4	1678.1	27.2	6.0	0.0	51.1
03/03/15	06:00:00	63.1	1677.9	26.7	5.9	0.0	51.3
03/03/15	07:00:00	60.5	1676.7	26.4	5.6	0.0	51.6
03/03/15	08:00:00	58.7	1670.8	26.6	2.2	0.0	51.7
03/03/15	09:00:00	55.5	1663.8	29.5	0.0	0.0	51.7
03/03/15	10:00:00	61.6	1661.9	31.8	0.0	0.0	51.7
03/03/15	11:00:00	74.9	1660.6	33.7	0.0	0.0	51.7
03/03/15	12:00:00	80.7	1659.6	35.5	0.0	0.0	51.7
03/03/15	13:00:00	84.4	1659.0	37.2	0.0	0.0	51.7
03/03/15	14:00:00	86.0	1658.3	38.7	0.0	0.0	51.7
03/03/15	15:00:00	90.1	1657.7	40.0	2.0	1.9	51.7
03/03/15	16:00:00	84.2	1657.0	41.2	3.6	3.6	51.7
03/03/15	17:00:00	79.6	1657.9	42.3	3.1	2.2	51.7
03/03/15	18:00:00	80.2	1664.2	41.6	3.8	0.0	51.9
03/03/15	19:00:00	76.0	1668.2	39.8	5.0	0.0	52.1
03/03/15	20:00:00	73.7	1671.6	37.3	5.7	0.0	52.3
03/03/15	21:00:00	72.7	1672.7	35.6	5.8	0.0	52.6
03/03/15	22:00:00	72.4	1673.5	34.3	5.8	0.0	52.8
03/03/15	23:00:00	71.6	1674.1	33.3	5.8	0.0	53.0
03/04/15	00:00:00	70.6	1674.6	32.4	5.8	0.0	53.3
03/04/15	01:00:00	67.8	1675.3	31.4	6.0	0.0	53.5
03/04/15	02:00:00	64.7	1675.6	30.2	5.9	0.0	53.8
03/04/15	03:00:00	63.8	1674.6	29.3	5.4	0.0	54.0
03/04/15	04:00:00	62.0	1676.2	28.4	6.1	0.0	54.3
03/04/15	05:00:00	61.9	1676.6	27.4	6.1	0.0	54.5
03/04/15	06:00:00	63.9	1676.9	26.9	6.0	0.0	54.8
03/04/15	07:00:00	62.3	1677.0	26.3	6.0	0.0	55.0
03/04/15	08:00:00	62.7	1677.3	25.8	6.0	0.0	55.3
03/04/15	09:00:00	67.9	1677.4	26.0	6.0	0.0	55.5
03/04/15	10:00:00	72.9	1677.7	26.4	5.9	0.0	55.8
03/04/15	11:00:00	77.8	1678.0	27.1	5.8	0.0	56.0
03/04/15	12:00:00	80.9	1678.5	28.1	5.8	0.0	56.2
03/04/15	13:00:00	84.4	1678.9	29.5	5.8	0.0	56.5
03/04/15	14:00:00	87.1	1679.5	30.8	5.8	0.0	56.7
03/04/15	15:00:00	87.5	1680.1	32.0	5.8	0.0	57.0
03/04/15	16:00:00	87.2	1680.4	33.0	5.9	0.0	57.2
03/04/15	17:00:00	85.7	1680.9	33.9	5.9	0.0	57.5
03/04/15	18:00:00	83.1	1681.4	34.2	6.1	0.0	57.7
03/04/15	19:00:00	80.5	1681.8	34.1	6.2	0.0	58.0
03/04/15	20:00:00	77.5	1681.8	33.8	6.0	0.0	58.2
03/04/15	21:00:00	75.5	1682.1	33.4	6.1	0.0	58.5
03/04/15	22:00:00	74.3	1682.1	32.8	6.1	0.0	58.7
03/04/15	23:00:00	71.0	1682.1	32.2	6.0	0.0	59.0
03/05/15	00:00:00	69.0	1681.9	31.4	5.9	0.0	59.2
03/05/15	01:00:00	66.9	1682.0	30.6	6.0	0.0	59.5
03/05/15	02:00:00	64.9	1682.1	29.8	6.0	0.0	59.7

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/05/15	03:00:00	64.6	1682.1	29.0	6.0	0.0	60.0
03/05/15	04:00:00	64.2	1682.3	28.4	6.1	0.0	60.2
03/05/15	05:00:00	61.5	1682.3	27.7	6.1	0.0	60.5
03/05/15	06:00:00	59.7	1682.2	26.9	6.1	0.0	60.7
03/05/15	07:00:00	58.8	1682.2	26.1	6.1	0.0	61.0
03/05/15	08:00:00	61.8	1682.3	25.7	6.0	0.0	61.2
03/05/15	09:00:00	68.5	1682.4	26.1	5.9	0.0	61.5
03/05/15	10:00:00	74.4	1682.9	26.8	6.0	0.0	61.7
03/05/15	11:00:00	79.4	1683.1	27.7	6.0	0.0	62.0
03/05/15	12:00:00	83.7	1683.5	29.0	5.9	0.0	62.2
03/05/15	13:00:00	86.4	1683.7	30.6	5.8	0.0	62.5
03/05/15	14:00:00	89.1	1682.9	32.3	5.3	0.0	62.7
03/05/15	15:00:00	90.8	1684.7	33.8	5.9	0.0	62.9
03/05/15	16:00:00	91.0	1685.2	35.2	6.0	0.0	63.2
03/05/15	17:00:00	89.2	1685.7	36.2	6.1	0.0	63.4
03/05/15	18:00:00	86.4	1686.2	36.8	6.2	0.0	63.7
03/05/15	19:00:00	82.9	1686.6	36.8	6.2	0.0	64.0
03/05/15	20:00:00	79.2	1686.5	36.4	6.1	0.0	64.2
03/05/15	21:00:00	77.3	1686.4	35.9	6.0	0.0	64.5
03/05/15	22:00:00	74.4	1686.5	35.3	6.0	0.0	64.7
03/05/15	23:00:00	72.4	1686.5	34.5	6.1	0.0	65.0
03/06/15	00:00:00	70.9	1686.5	33.7	6.0	0.0	65.2
03/06/15	01:00:00	68.7	1686.4	32.8	6.0	0.0	65.5
03/06/15	02:00:00	68.7	1686.5	32.2	6.0	0.0	65.7
03/06/15	03:00:00	69.4	1686.6	31.7	6.1	0.0	66.0
03/06/15	04:00:00	67.4	1686.6	31.1	6.1	0.0	66.2
03/06/15	05:00:00	65.0	1686.7	30.4	6.1	0.0	66.5
03/06/15	06:00:00	62.6	1686.5	29.5	6.1	0.0	66.7
03/06/15	07:00:00	62.1	1686.5	28.7	6.1	0.0	67.0
03/06/15	08:00:00	63.8	1686.5	28.3	6.0	0.0	67.2
03/06/15	09:00:00	68.4	1686.1	28.5	5.8	0.0	67.5
03/06/15	10:00:00	73.3	1686.6	29.0	5.9	0.0	67.7
03/06/15	11:00:00	80.3	1687.1	29.9	6.0	0.0	68.0
03/06/15	12:00:00	85.6	1685.1	31.5	5.1	0.0	68.2
03/06/15	13:00:00	89.6	1687.5	33.4	5.8	0.0	68.4
03/06/15	14:00:00	93.1	1688.0	35.4	5.8	0.0	68.7
03/06/15	15:00:00	94.5	1688.5	37.2	5.8	0.0	68.9
03/06/15	16:00:00	94.3	1688.9	38.9	5.9	0.0	69.2
03/06/15	17:00:00	93.4	1689.4	40.3	5.9	0.0	69.4
03/06/15	18:00:00	91.0	1689.7	41.3	6.0	0.0	69.7
03/06/15	19:00:00	86.2	1690.1	41.4	6.1	0.0	69.9
03/06/15	20:00:00	84.8	1690.3	41.3	6.1	0.0	70.2
03/06/15	21:00:00	81.3	1690.4	40.9	6.1	0.0	70.4
03/06/15	22:00:00	79.4	1690.5	40.3	6.1	0.0	70.7
03/06/15	23:00:00	75.7	1690.4	39.3	6.0	0.0	70.9
03/07/15	00:00:00	73.4	1690.3	38.3	6.0	0.0	71.2
03/07/15	01:00:00	71.6	1690.4	37.3	6.1	0.0	71.4
03/07/15	02:00:00	70.7	1690.3	36.3	6.0	0.0	71.7
03/07/15	03:00:00	70.4	1690.3	35.5	6.1	0.0	71.9
03/07/15	04:00:00	71.5	1690.4	35.0	6.1	0.0	72.2
03/07/15	05:00:00	68.0	1690.3	34.3	6.1	0.0	72.4
03/07/15	06:00:00	65.4	1690.1	33.3	6.0	0.0	72.7
03/07/15	07:00:00	63.8	1690.0	32.3	6.0	0.0	72.9
03/07/15	08:00:00	66.8	1690.3	31.8	6.0	0.0	73.2
03/07/15	09:00:00	74.3	1690.3	32.3	5.9	0.0	73.4
03/07/15	10:00:00	81.0	1690.5	33.4	5.8	0.0	73.7
03/07/15	11:00:00	85.6	1690.7	34.7	5.8	0.0	73.9
03/07/15	12:00:00	89.5	1691.4	36.5	6.0	0.0	74.2
03/07/15	13:00:00	91.7	1692.0	38.5	6.0	0.0	74.4
03/07/15	14:00:00	93.8	1692.4	40.6	6.0	0.0	74.7
03/07/15	15:00:00	94.6	1692.8	42.4	5.9	0.0	74.9
03/07/15	16:00:00	94.3	1693.0	43.9	6.0	0.0	75.2
03/07/15	17:00:00	93.3	1693.3	45.3	6.0	0.0	75.4
03/07/15	18:00:00	91.1	1693.3	46.0	6.0	0.0	75.7
03/07/15	19:00:00	86.3	1693.7	46.0	6.1	0.0	75.9
03/07/15	20:00:00	82.0	1693.7	45.2	6.0	0.0	76.2
03/07/15	21:00:00	80.8	1693.8	44.5	6.0	0.0	76.4

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/07/15	22:00:00	79.1	1693.9	43.7	6.1	0.0	76.7
03/07/15	23:00:00	76.5	1693.8	42.7	6.0	0.0	76.9
03/08/15	00:00:00	74.7	1693.8	41.7	6.0	0.0	77.2
03/08/15	01:00:00	73.8	1693.8	40.7	6.0	0.0	77.4
03/08/15	02:00:00	(1)	(1)	(1)	(1)	(1)	77.4
03/08/15	03:00:00	72.3	1693.9	39.8	6.0	0.0	77.7
03/08/15	04:00:00	70.7	1693.7	38.7	6.0	0.0	77.9
03/08/15	05:00:00	69.4	1693.6	37.8	5.9	0.0	78.2
03/08/15	06:00:00	66.5	1693.6	36.7	6.0	0.0	78.4
03/08/15	07:00:00	66.0	1693.5	35.6	6.0	0.0	78.7
03/08/15	08:00:00	62.5	1693.5	34.4	6.1	0.0	78.9
03/08/15	09:00:00	65.7	1693.6	33.6	6.0	0.0	79.2
03/08/15	10:00:00	71.5	1693.5	33.8	5.9	0.0	79.4
03/08/15	11:00:00	79.0	1693.4	34.7	5.7	0.0	79.7
03/08/15	12:00:00	84.7	1693.9	36.1	5.8	0.0	79.9
03/08/15	13:00:00	89.3	1694.3	37.8	5.9	0.0	80.1
03/08/15	14:00:00	94.1	1694.8	40.2	5.8	0.0	80.4
03/08/15	15:00:00	96.6	1695.2	42.6	5.7	0.0	80.6
03/08/15	16:00:00	97.7	1695.8	44.9	5.9	0.0	80.9
03/08/15	17:00:00	98.0	1696.1	47.0	5.9	0.0	81.1
03/08/15	18:00:00	96.9	1696.5	48.8	6.0	0.0	81.4
03/08/15	19:00:00	92.6	1696.8	49.7	6.1	0.0	81.6
03/08/15	20:00:00	87.4	1696.8	49.5	6.0	0.0	81.9
03/08/15	21:00:00	84.5	1697.0	48.7	6.0	0.0	82.1
03/08/15	22:00:00	81.4	1697.2	47.8	6.1	0.0	82.4
03/08/15	23:00:00	80.1	1697.2	46.7	6.0	0.0	82.6
03/09/15	00:00:00	78.7	1697.2	45.9	6.0	0.0	82.9
03/09/15	01:00:00	75.7	1697.1	44.7	6.0	0.0	83.1
03/09/15	02:00:00	73.3	1697.0	43.4	5.9	0.0	83.4
03/09/15	03:00:00	72.4	1697.0	42.2	6.0	0.0	83.6
03/09/15	04:00:00	71.7	1697.1	41.1	6.0	0.0	83.9
03/09/15	05:00:00	72.2	1697.2	40.3	6.1	0.0	84.1
03/09/15	06:00:00	69.5	1697.1	39.2	6.1	0.0	84.4
03/09/15	07:00:00	67.8	1697.1	38.1	6.1	0.0	84.6
03/09/15	08:00:00	67.1	1697.1	37.1	6.0	0.0	84.9
03/09/15	09:00:00	70.9	1697.3	36.7	6.1	0.0	85.1
03/09/15	10:00:00	76.8	1697.3	37.2	5.9	0.0	85.4
03/09/15	11:00:00	81.4	1697.3	38.1	5.8	0.0	85.6
03/09/15	12:00:00	86.1	1697.5	39.5	5.8	0.0	85.9
03/09/15	13:00:00	89.8	1697.7	41.2	5.7	0.0	86.1
03/09/15	14:00:00	94.0	1698.1	43.6	5.7	0.0	86.3
03/09/15	15:00:00	96.7	1698.6	46.1	5.8	0.0	86.6
03/09/15	16:00:00	97.3	1699.1	48.3	5.9	0.0	86.8
03/09/15	17:00:00	96.8	1699.3	50.3	5.8	0.0	87.1
03/09/15	18:00:00	95.7	1699.8	51.8	5.9	0.0	87.3
03/09/15	19:00:00	93.2	1700.0	52.7	6.0	0.0	87.6
03/09/15	20:00:00	90.4	1699.9	53.0	5.9	0.0	87.8
03/09/15	21:00:00	85.4	1700.1	52.3	5.9	0.0	88.1
03/09/15	22:00:00	82.2	1700.5	51.3	6.1	0.0	88.3
03/09/15	23:00:00	79.0	1700.6	49.6	6.1	0.0	88.6
03/10/15	00:00:00	78.2	1700.6	48.4	6.1	0.0	88.8
03/10/15	01:00:00	76.1	1700.6	47.1	6.1	0.0	89.1
03/10/15	02:00:00	74.8	1700.6	45.8	6.1	0.0	89.3
03/10/15	03:00:00	74.1	1699.7	44.7	5.7	0.0	89.6
03/10/15	04:00:00	72.6	1699.3	43.8	5.7	0.0	89.8
03/10/15	05:00:00	71.9	1698.9	43.0	5.5	0.0	90.0
03/10/15	06:00:00	70.2	1698.9	42.1	5.5	0.0	90.3
03/10/15	07:00:00	69.0	1698.5	41.1	5.4	0.0	90.5
03/10/15	08:00:00	66.2	1698.0	39.9	5.0	0.0	90.7
03/10/15	09:00:00	68.5	1694.6	40.1	4.0	0.0	90.9
03/10/15	10:00:00	76.6	1698.8	40.6	5.8	0.0	91.1
03/10/15	11:00:00	82.7	1699.9	41.2	6.0	0.0	91.4
03/10/15	12:00:00	87.5	1699.3	42.7	5.5	0.0	91.6
03/10/15	13:00:00	92.1	1700.3	44.5	5.8	0.0	91.8
03/10/15	14:00:00	95.3	1700.9	46.9	5.8	0.0	92.1
03/10/15	15:00:00	99.3	1701.1	49.5	5.7	0.0	92.3
03/10/15	16:00:00	96.9	1702.2	51.7	6.1	0.0	92.6

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/10/15	17:00:00	94.5	1702.2	52.9	5.9	0.0	92.8
03/10/15	18:00:00	93.4	1702.3	54.0	5.8	0.0	93.1
03/10/15	19:00:00	90.4	1705.1	54.3	6.8	0.0	93.3
03/10/15	20:00:00	87.0	1708.2	53.9	7.7	0.0	93.7
03/10/15	21:00:00	83.4	1703.7	52.9	5.9	0.0	93.9
03/10/15	22:00:00	80.2	1701.5	51.8	5.0	0.0	94.1
03/10/15	23:00:00	80.0	1698.6	51.5	3.9	0.0	94.3
03/11/15	00:00:00	79.7	1700.4	51.0	5.1	0.0	94.5
03/11/15	01:00:00	78.6	1706.7	49.5	7.4	0.0	94.8
03/11/15	02:00:00	79.5	1703.5	48.4	5.9	0.0	95.0
03/11/15	03:00:00	79.6	1702.8	48.1	5.7	0.0	95.3
03/11/15	04:00:00	78.8	1704.9	47.7	6.5	0.0	95.5
03/11/15	05:00:00	77.5	1706.3	46.4	6.8	0.0	95.8
03/11/15	06:00:00	77.8	1703.3	46.1	5.7	0.0	96.1
03/11/15	07:00:00	75.3	1703.1	45.6	5.7	0.0	96.3
03/11/15	08:00:00	74.3	1701.2	44.9	4.8	0.0	96.5
03/11/15	09:00:00	72.9	1703.0	44.4	5.8	0.0	96.8
03/11/15	10:00:00	75.9	1703.8	43.6	6.0	0.0	97.0
03/11/15	11:00:00	83.4	1706.9	44.2	7.0	0.0	97.3
03/11/15	12:00:00	87.2	1708.4	45.4	7.2	0.0	97.6
03/11/15	13:00:00	84.4	1705.5	46.1	6.1	0.0	97.8
03/11/15	14:00:00	84.1	1705.6	46.6	6.1	0.0	98.1
03/11/15	15:00:00	85.3	1710.9	47.1	7.9	0.0	98.4
03/11/15	16:00:00	87.8	1708.2	48.1	6.6	0.0	98.7
03/11/15	17:00:00	86.5	1706.7	48.9	6.1	0.0	99.0
03/11/15	18:00:00	87.2	1707.0	49.7	6.2	0.0	99.2
03/11/15	19:00:00	86.3	1707.4	50.1	6.3	0.0	99.5
03/11/15	20:00:00	83.9	1707.5	50.1	6.4	0.0	99.8
03/11/15	21:00:00	79.5	1707.6	49.3	6.4	0.0	100.0
03/11/15	22:00:00	76.7	1707.3	48.0	6.3	0.0	100.3
03/11/15	23:00:00	76.9	1706.9	47.1	6.1	0.0	100.5
03/12/15	00:00:00	73.8	1707.0	45.9	6.2	0.0	100.8
03/12/15	01:00:00	73.1	1707.3	44.7	6.3	0.0	101.1
03/12/15	02:00:00	72.6	1707.6	43.6	6.4	0.0	101.3
03/12/15	03:00:00	71.7	1707.7	42.5	6.4	0.0	101.6
03/12/15	04:00:00	71.3	1707.7	41.6	6.4	0.0	101.9
03/12/15	05:00:00	71.6	1707.7	40.9	6.4	0.0	102.1
03/12/15	06:00:00	70.4	1707.7	40.1	6.4	0.0	102.4
03/12/15	07:00:00	69.3	1707.7	39.2	6.4	0.0	102.7
03/12/15	08:00:00	70.5	1707.9	38.5	6.5	0.0	102.9
03/12/15	09:00:00	73.5	1708.0	38.4	6.4	0.0	103.2
03/12/15	10:00:00	79.0	1707.9	39.1	6.2	0.0	103.5
03/12/15	11:00:00	83.7	1708.0	40.3	6.1	0.0	103.7
03/12/15	12:00:00	87.5	1708.4	41.9	6.2	0.0	104.0
03/12/15	13:00:00	91.3	1708.8	43.9	6.2	0.0	104.2
03/12/15	14:00:00	93.9	1709.1	46.2	6.2	0.0	104.5
03/12/15	15:00:00	96.1	1709.6	48.6	6.2	0.0	104.7
03/12/15	16:00:00	97.2	1709.9	51.1	6.2	0.0	105.0
03/12/15	17:00:00	96.7	1710.2	53.2	6.2	0.0	105.3
03/12/15	18:00:00	95.5	1710.4	54.8	6.2	0.0	105.5
03/12/15	19:00:00	94.1	1710.6	56.1	6.3	0.0	105.8
03/12/15	20:00:00	89.9	1710.8	56.4	6.3	0.0	106.0
03/12/15	21:00:00	85.9	1710.9	55.7	6.3	0.0	106.3
03/12/15	22:00:00	84.5	1711.0	54.8	6.3	0.0	106.6
03/12/15	23:00:00	82.5	1714.5	53.8	7.5	0.0	106.9
03/13/15	00:00:00	82.6	1716.3	52.6	8.0	0.0	107.2
03/13/15	01:00:00	82.4	1716.3	52.1	7.7	0.0	107.5
03/13/15	02:00:00	78.0	1710.2	51.1	5.5	0.0	107.8
03/13/15	03:00:00	74.0	1703.4	51.0	2.7	0.0	107.9
03/13/15	04:00:00	76.1	1714.1	49.8	7.6	0.0	108.2
03/13/15	05:00:00	77.3	1712.1	48.4	6.5	0.0	108.5
03/13/15	06:00:00	75.7	1710.2	47.7	5.9	0.0	108.7
03/13/15	07:00:00	75.4	1710.2	46.9	6.0	0.0	109.0
03/13/15	08:00:00	75.0	1710.2	46.3	6.0	0.0	109.2
03/13/15	09:00:00	75.4	1710.2	45.6	5.9	0.0	109.5
03/13/15	10:00:00	81.7	1710.1	46.2	5.8	0.0	109.7
03/13/15	11:00:00	85.7	1711.2	47.5	6.1	0.0	110.0

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/13/15	12:00:00	90.5	1715.2	48.9	7.4	0.0	110.3
03/13/15	13:00:00	95.7	1713.3	51.7	6.6	0.0	110.5
03/13/15	14:00:00	99.6	1716.9	55.4	7.6	0.0	110.8
03/13/15	15:00:00	103.2	1717.4	59.9	7.4	0.0	111.2
03/13/15	16:00:00	103.0	1718.9	64.3	7.7	0.0	111.5
03/13/15	17:00:00	102.0	1719.4	68.0	7.8	0.0	111.8
03/13/15	18:00:00	99.5	1719.9	70.9	7.8	0.0	112.1
03/13/15	19:00:00	96.3	1719.2	72.2	7.5	0.0	112.4
03/13/15	20:00:00	93.5	1720.9	72.3	8.0	0.0	112.8
03/13/15	21:00:00	88.4	1721.1	70.9	7.9	0.0	113.1
03/13/15	22:00:00	87.2	1720.7	69.1	7.8	0.0	113.4
03/13/15	23:00:00	86.2	1718.0	67.6	6.7	0.0	113.7
03/14/15	00:00:00	86.6	1717.6	66.9	6.7	0.0	114.0
03/14/15	01:00:00	85.6	1721.1	65.9	7.9	0.0	114.3
03/14/15	02:00:00	83.1	1720.8	64.3	7.7	0.0	114.6
03/14/15	03:00:00	81.3	1720.8	62.3	7.7	0.0	115.0
03/14/15	04:00:00	81.7	1721.5	60.8	7.9	0.0	115.3
03/14/15	05:00:00	78.5	1721.1	58.8	7.8	0.0	115.6
03/14/15	06:00:00	79.2	1721.4	57.0	7.8	0.0	115.9
03/14/15	07:00:00	78.4	1722.1	55.7	8.0	0.0	116.3
03/14/15	08:00:00	76.8	1722.1	53.9	8.0	0.0	116.6
03/14/15	09:00:00	80.8	1722.1	53.1	7.9	0.0	116.9
03/14/15	10:00:00	85.9	1721.8	54.4	7.7	0.0	117.2
03/14/15	11:00:00	89.2	1722.3	56.0	7.7	0.0	117.6
03/14/15	12:00:00	90.9	1722.4	57.9	7.6	0.0	117.9
03/14/15	13:00:00	100.5	1723.0	62.0	7.7	0.0	118.2
03/14/15	14:00:00	106.3	1724.1	68.7	7.8	0.0	118.5
03/14/15	15:00:00	112.7	1715.8	74.5	4.2	0.0	118.7
03/14/15	16:00:00	115.3	1713.0	77.7	3.4	0.0	118.9
03/14/15	17:00:00	113.0	1712.1	80.6	3.4	0.0	119.0
03/14/15	18:00:00	109.9	1711.7	82.4	3.6	0.0	119.1
03/14/15	19:00:00	102.3	1714.0	83.3	4.9	0.0	119.3
03/14/15	20:00:00	98.0	1716.0	83.3	5.6	0.0	119.6
03/14/15	21:00:00	93.9	1716.3	82.1	5.7	0.0	119.8
03/14/15	22:00:00	91.0	1716.6	80.3	5.8	0.0	120.1
03/14/15	23:00:00	91.1	1716.0	78.9	5.5	0.0	120.3
03/15/15	00:00:00	86.9	1716.9	76.8	6.1	0.0	120.5
03/15/15	01:00:00	84.7	1716.1	74.5	5.6	0.0	120.8
03/15/15	02:00:00	83.7	1716.7	72.0	6.0	0.0	121.0
03/15/15	03:00:00	83.9	1716.8	70.3	6.0	0.0	121.3
03/15/15	04:00:00	82.8	1716.7	68.7	6.0	0.0	121.5
03/15/15	05:00:00	81.9	1716.7	67.1	5.9	0.0	121.8
03/15/15	06:00:00	81.4	1716.7	65.5	6.0	0.0	122.0
03/15/15	07:00:00	82.8	1716.8	64.4	6.0	0.0	122.3
03/15/15	08:00:00	82.7	1716.8	63.9	6.0	0.0	122.5
03/15/15	09:00:00	81.7	1715.5	62.9	5.4	0.0	122.7
03/15/15	10:00:00	87.3	1713.9	63.6	4.8	0.0	122.9
03/15/15	11:00:00	91.8	1717.1	65.2	6.1	0.0	123.2
03/15/15	12:00:00	94.5	1712.4	67.0	3.9	0.0	123.4
03/15/15	13:00:00	94.9	1708.8	68.4	2.1	0.0	123.5
03/15/15	14:00:00	97.8	1708.3	70.0	2.3	0.0	123.5
03/15/15	15:00:00	99.6	1714.3	72.3	5.5	0.0	123.8
03/15/15	16:00:00	96.8	1713.3	73.6	4.9	0.0	124.0
03/15/15	17:00:00	95.3	1716.1	74.1	5.9	0.0	124.2
03/15/15	18:00:00	94.7	1716.5	74.8	5.9	0.0	124.5
03/15/15	19:00:00	91.2	1716.8	74.5	6.0	0.0	124.7
03/15/15	20:00:00	84.2	1717.1	72.1	6.1	0.0	125.0
03/15/15	21:00:00	82.8	1717.2	69.5	6.1	0.0	125.2
03/15/15	22:00:00	82.7	1717.3	67.6	6.1	0.0	125.5
03/15/15	23:00:00	80.0	1717.4	65.4	6.2	0.0	125.7
03/16/15	00:00:00	79.7	1717.5	63.5	6.2	0.0	126.0
03/16/15	01:00:00	78.5	1717.4	61.8	6.1	0.0	126.3
03/16/15	02:00:00	77.6	1714.2	60.6	4.6	0.0	126.4
03/16/15	03:00:00	76.8	1715.0	59.8	5.3	0.0	126.7
03/16/15	04:00:00	76.4	1716.9	58.0	6.1	0.0	126.9
03/16/15	05:00:00	75.6	1717.1	56.3	6.1	0.0	127.2
03/16/15	06:00:00	74.9	1717.2	54.9	6.1	0.0	127.4

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/16/15	07:00:00	74.2	1717.2	53.4	6.1	0.0	127.7
03/16/15	08:00:00	75.2	1717.3	52.4	6.1	0.0	127.9
03/16/15	09:00:00	75.9	1717.3	51.7	6.1	0.0	128.2
03/16/15	10:00:00	76.7	1717.5	51.2	6.1	0.0	128.4
03/16/15	11:00:00	81.0	1717.7	51.6	6.1	0.0	128.7
03/16/15	12:00:00	84.1	1717.9	52.5	6.1	0.0	129.0
03/16/15	13:00:00	88.1	1718.0	54.0	6.0	0.0	129.2
03/16/15	14:00:00	91.0	1717.4	55.9	5.5	0.0	129.4
03/16/15	15:00:00	94.6	1724.1	58.5	7.9	0.0	129.8
03/16/15	16:00:00	96.0	1720.6	60.7	6.8	0.9	130.0
03/16/15	17:00:00	94.4	1725.3	62.9	8.1	0.0	130.3
03/16/15	18:00:00	93.4	1726.0	64.6	8.1	0.0	130.7
03/16/15	19:00:00	91.0	1726.6	65.4	8.1	0.0	131.0
03/16/15	20:00:00	87.9	1726.6	65.1	7.9	0.0	131.4
03/16/15	21:00:00	84.2	1727.2	63.9	8.1	0.0	131.7
03/16/15	22:00:00	81.8	1727.6	61.9	8.2	0.0	132.0
03/16/15	23:00:00	81.5	1727.8	60.3	8.2	0.0	132.4
03/17/15	00:00:00	81.1	1727.9	59.2	8.2	0.0	132.7
03/17/15	01:00:00	80.7	1728.2	58.0	8.2	0.0	133.1
03/17/15	02:00:00	81.0	1728.5	57.3	8.2	0.0	133.4
03/17/15	03:00:00	79.3	1728.3	56.2	8.1	0.0	133.7
03/17/15	04:00:00	81.8	1728.5	55.7	8.1	0.0	134.1
03/17/15	05:00:00	80.7	1728.7	55.4	8.1	0.0	134.4
03/17/15	06:00:00	77.9	1728.8	54.1	8.1	0.0	134.7
03/17/15	07:00:00	76.0	1728.9	52.5	8.1	0.0	135.1
03/17/15	08:00:00	74.7	1729.0	50.8	8.2	0.0	135.4
03/17/15	09:00:00	77.7	1729.3	49.8	8.1	0.0	135.8
03/17/15	10:00:00	83.8	1729.4	50.8	8.0	0.0	136.1
03/17/15	11:00:00	87.4	1729.7	52.5	8.0	0.0	136.4
03/17/15	12:00:00	90.0	1730.0	54.7	8.0	0.0	136.8
03/17/15	13:00:00	92.6	1730.5	57.3	8.0	0.0	137.1
03/17/15	14:00:00	95.1	1731.3	60.4	8.1	0.0	137.4
03/17/15	15:00:00	96.8	1731.8	63.9	8.1	0.0	137.8
03/17/15	16:00:00	97.6	1732.1	67.4	8.1	0.0	138.1
03/17/15	17:00:00	97.6	1732.3	70.7	8.0	0.0	138.4
03/17/15	18:00:00	96.9	1732.6	73.6	8.0	0.0	138.8
03/17/15	19:00:00	93.4	1732.9	75.0	8.0	0.0	139.1
03/17/15	20:00:00	88.5	1733.2	74.0	8.2	0.0	139.4
03/17/15	21:00:00	86.3	1733.2	72.0	8.1	0.0	139.8
03/17/15	22:00:00	84.8	1732.9	70.2	8.0	0.0	140.1
03/17/15	23:00:00	83.2	1733.2	68.3	8.1	0.0	140.5
03/18/15	00:00:00	82.6	1733.3	66.5	8.1	0.0	140.8
03/18/15	01:00:00	81.2	1733.4	64.7	8.2	0.0	141.1
03/18/15	02:00:00	79.3	1732.8	62.6	8.0	0.0	141.5
03/18/15	03:00:00	75.6	1732.2	60.0	7.8	0.0	141.8
03/18/15	04:00:00	73.5	1732.9	56.9	8.2	0.0	142.1
03/18/15	05:00:00	73.5	1733.0	54.4	8.2	0.0	142.5
03/18/15	06:00:00	72.5	1732.8	52.2	8.1	0.0	142.8
03/18/15	07:00:00	71.6	1727.6	50.8	6.2	0.0	143.1
03/18/15	08:00:00	70.2	1726.9	49.9	6.1	0.0	143.3
03/18/15	09:00:00	73.5	1725.0	49.3	5.2	0.0	143.5
03/18/15	10:00:00	81.8	1722.6	51.2	4.2	0.0	143.7
03/18/15	11:00:00	86.6	1726.3	52.8	6.1	0.0	144.0
03/18/15	12:00:00	89.9	1726.6	54.6	6.1	0.0	144.2
03/18/15	13:00:00	92.6	1726.8	56.8	6.0	0.0	144.5
03/18/15	14:00:00	95.6	1727.3	59.4	6.1	0.0	144.7
03/18/15	15:00:00	97.9	1727.7	62.3	6.2	0.0	145.0
03/18/15	16:00:00	99.4	1728.1	65.4	6.2	0.0	145.3
03/18/15	17:00:00	99.2	1728.3	68.3	6.2	0.0	145.5
03/18/15	18:00:00	98.0	1728.4	70.7	6.2	0.0	145.8
03/18/15	19:00:00	94.0	1727.8	71.7	6.0	0.0	146.0
03/18/15	20:00:00	87.7	1728.1	70.5	6.2	0.0	146.3
03/18/15	21:00:00	85.3	1728.3	68.8	6.3	0.0	146.5
03/18/15	22:00:00	83.0	1728.4	66.9	6.4	0.0	146.8
03/18/15	23:00:00	81.5	1728.4	64.9	6.4	0.0	147.1
03/19/15	00:00:00	80.1	1728.4	63.0	6.4	0.0	147.3
03/19/15	01:00:00	80.9	1728.3	61.8	6.3	0.0	147.6

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/19/15	02:00:00	78.9	1728.2	60.5	6.4	0.0	147.9
03/19/15	03:00:00	76.3	1728.2	58.6	6.4	0.0	148.1
03/19/15	04:00:00	75.2	1728.2	56.7	6.4	0.0	148.4
03/19/15	05:00:00	74.7	1728.1	55.2	6.5	0.0	148.7
03/19/15	06:00:00	72.4	1728.0	53.4	6.5	0.0	148.9
03/19/15	07:00:00	69.9	1727.2	51.6	6.2	0.0	149.2
03/19/15	08:00:00	68.5	1726.4	49.7	5.7	0.0	149.4
03/19/15	09:00:00	69.7	1719.4	50.6	2.2	0.0	149.5
03/19/15	10:00:00	75.9	1719.8	52.5	3.0	0.0	149.7
03/19/15	11:00:00	82.7	1723.4	53.4	5.1	0.0	149.9
03/19/15	12:00:00	88.8	1726.2	54.4	6.1	0.0	150.1
03/19/15	13:00:00	93.2	1726.8	56.5	6.1	0.0	150.4
03/19/15	14:00:00	96.4	1727.6	59.3	6.3	0.0	150.6
03/19/15	15:00:00	100.5	1728.1	62.7	6.2	0.0	150.9
03/19/15	16:00:00	102.6	1727.6	66.6	5.8	0.0	151.1
03/19/15	17:00:00	102.6	1723.1	69.1	3.8	0.0	151.3
03/19/15	18:00:00	99.9	1726.2	71.2	5.3	0.0	151.5
03/19/15	19:00:00	96.9	1728.4	72.8	6.2	0.0	151.8
03/19/15	20:00:00	93.0	1728.6	72.9	6.2	0.0	152.0
03/19/15	21:00:00	88.7	1728.9	71.9	6.2	0.0	152.3
03/19/15	22:00:00	86.2	1729.1	70.1	6.3	0.0	152.6
03/19/15	23:00:00	86.1	1729.2	68.8	6.2	0.0	152.8
03/20/15	00:00:00	81.9	1729.1	67.2	6.3	0.0	153.1
03/20/15	01:00:00	80.5	1727.8	64.9	5.6	0.0	153.3
03/20/15	02:00:00	77.5	1724.3	63.8	4.2	0.0	153.5
03/20/15	03:00:00	74.8	1728.6	61.3	6.4	0.0	153.8
03/20/15	04:00:00	73.8	1728.8	58.4	6.4	0.0	154.0
03/20/15	05:00:00	75.1	1728.8	56.6	6.4	0.0	154.3
03/20/15	06:00:00	74.3	1728.9	55.0	6.4	0.0	154.6
03/20/15	07:00:00	72.5	1728.9	53.3	6.4	0.0	154.8
03/20/15	08:00:00	71.3	1729.1	51.5	6.5	0.0	155.1
03/20/15	09:00:00	77.1	1729.4	51.0	6.5	0.0	155.4
03/20/15	10:00:00	81.9	1729.0	51.8	6.1	0.0	155.6
03/20/15	11:00:00	85.8	1728.5	53.3	5.8	0.0	155.9
03/20/15	12:00:00	90.8	1726.7	55.5	5.0	0.0	156.1
03/20/15	13:00:00	95.2	1729.6	58.4	6.1	0.0	156.3
03/20/15	14:00:00	95.7	1729.9	61.1	6.2	0.0	156.6
03/20/15	15:00:00	96.1	1730.5	63.5	6.3	0.0	156.8
03/20/15	16:00:00	96.8	1730.9	66.0	6.3	0.0	157.1
03/20/15	17:00:00	96.1	1731.3	67.9	6.4	0.0	157.4
03/20/15	18:00:00	94.5	1731.5	69.4	6.4	0.0	157.6
03/20/15	19:00:00	91.3	1731.7	69.8	6.4	0.0	157.9
03/20/15	20:00:00	86.5	1731.7	68.8	6.4	0.0	158.2
03/20/15	21:00:00	83.1	1731.7	66.8	6.4	0.0	158.4
03/20/15	22:00:00	81.3	1731.7	64.8	6.4	0.0	158.7
03/20/15	23:00:00	79.5	1731.8	63.0	6.4	0.0	159.0
03/21/15	00:00:00	78.4	1731.8	61.1	6.5	0.0	159.2
03/21/15	01:00:00	79.8	1731.8	59.9	6.4	0.0	159.5
03/21/15	02:00:00	79.4	1731.8	59.0	6.4	0.0	159.8
03/21/15	03:00:00	80.8	1731.8	58.4	6.4	0.0	160.0
03/21/15	04:00:00	80.8	1731.9	58.1	6.4	0.0	160.3
03/21/15	05:00:00	78.2	1731.8	57.2	6.4	0.0	160.6
03/21/15	06:00:00	76.0	1731.9	55.7	6.4	0.0	160.8
03/21/15	07:00:00	76.7	1732.0	54.7	6.4	0.0	161.1
03/21/15	08:00:00	75.5	1731.9	53.5	6.4	0.0	161.4
03/21/15	09:00:00	78.8	1731.5	53.1	6.1	0.0	161.6
03/21/15	10:00:00	83.2	1731.7	54.1	6.2	0.0	161.9
03/21/15	11:00:00	88.0	1732.2	55.5	6.3	0.0	162.1
03/21/15	12:00:00	91.5	1732.6	57.6	6.4	0.0	162.4
03/21/15	13:00:00	95.2	1732.8	60.4	6.3	0.0	162.7
03/21/15	14:00:00	97.5	1733.1	63.5	6.2	0.0	162.9
03/21/15	15:00:00	98.2	1733.6	66.6	6.3	0.0	163.2
03/21/15	16:00:00	98.7	1733.7	69.5	6.3	0.0	163.5
03/21/15	17:00:00	95.0	1733.0	71.0	5.9	0.0	163.7
03/21/15	18:00:00	96.8	1734.1	72.8	6.3	0.0	164.0
03/21/15	19:00:00	94.4	1734.4	73.9	6.4	0.0	164.2
03/21/15	20:00:00	90.1	1734.4	73.6	6.4	0.0	164.5

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/21/15	21:00:00	86.4	1734.6	72.0	6.4	0.0	164.8
03/21/15	22:00:00	84.9	1734.7	70.2	6.4	0.0	165.0
03/21/15	23:00:00	84.5	1734.6	68.8	6.4	0.0	165.3
03/22/15	00:00:00	83.6	1734.7	67.6	6.5	0.0	165.6
03/22/15	01:00:00	82.9	1734.7	66.4	6.4	0.0	165.8
03/22/15	02:00:00	81.2	1734.7	65.1	6.4	0.0	166.1
03/22/15	03:00:00	79.1	1734.7	63.3	6.5	0.0	166.4
03/22/15	04:00:00	79.3	1734.7	61.8	6.5	0.0	166.6
03/22/15	05:00:00	78.9	1734.7	60.5	6.5	0.0	166.9
03/22/15	06:00:00	78.6	1734.6	59.6	6.4	0.0	167.2
03/22/15	07:00:00	77.3	1734.5	58.3	6.4	0.0	167.4
03/22/15	08:00:00	76.9	1734.7	57.1	6.4	0.0	167.7
03/22/15	09:00:00	78.8	1734.8	56.3	6.4	0.0	168.0
03/22/15	10:00:00	85.6	1735.1	57.5	6.4	0.0	168.3
03/22/15	11:00:00	87.8	1735.2	58.8	6.5	0.0	168.5
03/22/15	12:00:00	90.3	1735.2	60.7	6.4	0.0	168.8
03/22/15	13:00:00	92.5	1735.6	62.7	6.4	0.0	169.1
03/22/15	14:00:00	91.8	1735.7	64.5	6.3	0.0	169.3
03/22/15	15:00:00	96.0	1735.5	66.7	6.0	0.0	169.6
03/22/15	16:00:00	95.4	1736.1	69.2	6.3	0.0	169.8
03/22/15	17:00:00	94.4	1736.4	70.8	6.4	0.0	170.1
03/22/15	18:00:00	93.3	1736.6	72.0	6.4	0.0	170.4
03/22/15	19:00:00	89.1	1736.8	71.8	6.5	0.0	170.6
03/22/15	20:00:00	85.7	1736.7	70.4	6.4	0.0	170.9
03/22/15	21:00:00	84.0	1736.7	68.8	6.4	0.0	171.2
03/22/15	22:00:00	83.0	1736.7	67.3	6.4	0.0	171.4
03/22/15	23:00:00	82.1	1736.8	65.9	6.4	0.0	171.7
03/23/15	00:00:00	79.8	1736.7	64.4	6.4	0.0	172.0
03/23/15	01:00:00	78.8	1736.7	62.6	6.5	0.0	172.2
03/23/15	02:00:00	78.5	1736.5	61.2	6.4	0.0	172.5
03/23/15	03:00:00	79.6	1736.5	60.3	6.3	0.0	172.8
03/23/15	04:00:00	79.2	1736.8	59.4	6.5	0.0	173.0
03/23/15	05:00:00	78.1	1736.8	58.6	6.4	0.0	173.3
03/23/15	06:00:00	73.9	1736.5	56.7	6.4	0.0	173.6
03/23/15	07:00:00	74.9	1736.4	55.2	6.3	0.0	173.8
03/23/15	08:00:00	74.1	1735.5	54.2	5.9	0.0	174.1
03/23/15	09:00:00	78.7	1736.7	53.9	6.4	0.0	174.3
03/23/15	10:00:00	82.4	1737.0	54.5	6.5	0.0	174.6
03/23/15	11:00:00	84.9	1737.2	55.5	6.5	0.0	174.9
03/23/15	12:00:00	87.6	1737.5	56.9	6.5	0.0	175.2
03/23/15	13:00:00	89.2	1737.6	58.6	6.4	0.0	175.4
03/23/15	14:00:00	89.8	1737.9	60.0	6.5	0.0	175.7
03/23/15	15:00:00	92.6	1738.1	62.0	6.4	0.0	176.0
03/23/15	16:00:00	92.3	1738.4	63.7	6.4	0.0	176.2
03/23/15	17:00:00	92.1	1738.6	65.3	6.5	0.0	176.5
03/23/15	18:00:00	90.6	1738.9	66.3	6.5	0.0	176.8
03/23/15	19:00:00	87.1	1739.0	66.1	6.5	0.0	177.0
03/23/15	20:00:00	82.7	1739.0	64.7	6.6	0.0	177.3
03/23/15	21:00:00	81.3	1738.9	63.1	6.5	0.0	177.6
03/23/15	22:00:00	80.2	1738.8	61.7	6.5	0.0	177.9
03/23/15	23:00:00	79.4	1738.9	60.4	6.5	0.0	178.1
03/24/15	00:00:00	78.7	1738.9	59.1	6.5	0.0	178.4
03/24/15	01:00:00	77.9	1738.9	57.9	6.5	0.0	178.7
03/24/15	02:00:00	76.7	1738.7	56.7	6.5	0.0	178.9
03/24/15	03:00:00	74.7	1738.7	55.2	6.4	0.0	179.2
03/24/15	04:00:00	74.8	1738.7	53.9	6.5	0.0	179.5
03/24/15	05:00:00	76.6	1738.8	53.3	6.4	0.0	179.7
03/24/15	06:00:00	76.5	1738.6	52.7	6.4	0.0	180.0
03/24/15	07:00:00	76.0	1738.6	52.2	6.4	0.0	180.3
03/24/15	08:00:00	75.4	1738.7	51.3	6.4	0.0	180.5
03/24/15	09:00:00	79.4	1738.9	51.4	6.4	0.0	180.8
03/24/15	10:00:00	82.7	1739.1	52.2	6.4	0.0	181.1
03/24/15	11:00:00	86.7	1739.4	53.6	6.4	0.0	181.3
03/24/15	12:00:00	88.9	1739.5	55.3	6.3	0.0	181.6
03/24/15	13:00:00	91.5	1739.8	57.4	6.3	0.0	181.9
03/24/15	14:00:00	92.5	1740.0	59.5	6.3	0.0	182.1
03/24/15	15:00:00	93.7	1740.4	61.5	6.3	0.0	182.4

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/24/15	16:00:00	94.1	1740.5	63.7	6.3	0.0	182.7
03/24/15	17:00:00	92.6	1740.8	65.0	6.4	0.0	182.9
03/24/15	18:00:00	92.7	1740.9	66.3	6.4	0.0	183.2
03/24/15	19:00:00	90.7	1741.0	67.0	6.4	0.0	183.5
03/24/15	20:00:00	86.9	1738.3	66.8	5.0	0.0	183.7
03/24/15	21:00:00	82.7	1740.8	65.3	6.4	0.0	183.9
03/24/15	22:00:00	82.3	1741.0	63.8	6.4	0.0	184.2
03/24/15	23:00:00	81.0	1741.1	62.4	6.5	0.0	184.5
03/25/15	00:00:00	79.6	1741.0	61.0	6.4	0.0	184.7
03/25/15	01:00:00	78.2	1741.0	59.5	6.4	0.0	185.0
03/25/15	02:00:00	77.3	1740.9	58.1	6.4	0.0	185.3
03/25/15	03:00:00	77.1	1741.0	56.8	6.4	0.0	185.5
03/25/15	04:00:00	77.1	1741.0	55.8	6.4	0.0	185.8
03/25/15	05:00:00	76.7	1741.0	54.9	6.4	0.0	186.1
03/25/15	06:00:00	74.9	1740.5	53.8	6.2	0.0	186.3
03/25/15	07:00:00	72.1	1739.9	52.4	6.0	0.0	186.6
03/25/15	08:00:00	73.7	1740.4	51.3	6.3	0.0	186.8
03/25/15	09:00:00	78.1	1740.1	51.3	6.0	0.0	187.1
03/25/15	10:00:00	82.3	1740.2	52.3	5.8	0.0	187.3
03/25/15	11:00:00	79.2	1730.5	54.3	0.0	0.0	187.3
03/25/15	12:00:00	86.0	1729.0	57.0	0.0	0.0	187.3
03/25/15	13:00:00	93.6	1728.1	59.2	0.0	0.0	187.3
03/25/15	14:00:00	97.6	1727.4	61.1	0.0	0.0	187.3
03/25/15	15:00:00	100.2	1726.8	62.8	0.0	0.0	187.3
03/25/15	16:00:00	102.1	1726.2	64.3	0.0	0.0	187.3
03/25/15	17:00:00	101.7	1726.2	65.8	1.2	0.5	187.4
03/25/15	18:00:00	95.5	1728.5	67.1	2.4	0.0	187.5
03/25/15	19:00:00	94.1	1727.6	67.7	1.9	0.0	187.5
03/25/15	20:00:00	89.7	1727.2	67.9	1.7	0.0	187.6
03/25/15	21:00:00	86.9	1734.2	67.2	5.4	0.0	187.8
03/25/15	22:00:00	87.2	1745.6	64.6	9.4	0.0	188.2
03/25/15	23:00:00	84.7	1747.0	62.0	9.5	0.0	188.6
03/26/15	00:00:00	85.2	1748.4	60.5	9.6	0.0	189.0
03/26/15	01:00:00	84.0	1749.2	59.6	9.6	0.0	189.4
03/26/15	02:00:00	82.0	1746.8	58.2	8.6	0.0	189.8
03/26/15	03:00:00	82.2	1749.9	57.6	9.5	0.0	190.2
03/26/15	04:00:00	81.7	1751.8	56.7	9.9	0.0	190.6
03/26/15	05:00:00	78.5	1752.8	54.9	10.1	0.0	191.0
03/26/15	06:00:00	78.7	1753.1	53.6	10.0	0.0	191.4
03/26/15	07:00:00	75.4	1752.8	51.7	9.8	0.0	191.8
03/26/15	08:00:00	77.1	1753.5	50.2	9.9	0.0	192.2
03/26/15	09:00:00	79.0	1753.8	50.0	9.8	0.0	192.7
03/26/15	10:00:00	87.7	1752.0	51.7	8.9	0.0	193.0
03/26/15	11:00:00	94.5	1747.0	55.6	6.9	0.0	193.3
03/26/15	12:00:00	98.5	1754.5	60.6	9.5	0.0	193.7
03/26/15	13:00:00	101.6	1755.6	67.0	9.4	0.0	194.1
03/26/15	14:00:00	105.1	1751.5	73.4	7.8	0.0	194.4
03/26/15	15:00:00	106.2	1753.6	80.1	8.4	0.0	194.8
03/26/15	16:00:00	106.1	1757.4	88.3	9.4	0.0	195.2
03/26/15	17:00:00	105.9	1758.6	96.3	9.5	0.0	195.6
03/26/15	18:00:00	105.5	1759.3	103.7	9.6	0.0	196.0
03/26/15	19:00:00	105.1	1760.2	111.0	9.6	0.0	196.4
03/26/15	20:00:00	99.2	1760.5	114.1	9.6	0.0	196.8
03/26/15	21:00:00	92.6	1760.8	110.9	9.6	0.0	197.2
03/26/15	22:00:00	90.6	1761.3	106.5	9.7	0.0	197.6
03/26/15	23:00:00	90.0	1761.7	103.2	9.8	0.0	198.0
03/27/15	00:00:00	87.5	1762.1	100.1	9.9	0.0	198.4
03/27/15	01:00:00	84.5	1762.1	94.5	9.9	0.0	198.8
03/27/15	02:00:00	83.1	1762.3	89.7	9.9	0.0	199.2
03/27/15	03:00:00	81.8	1762.3	84.9	9.9	0.0	199.6
03/27/15	04:00:00	79.9	1762.1	80.3	9.9	0.0	200.0
03/27/15	05:00:00	78.7	1762.2	75.8	9.9	0.0	200.4
03/27/15	06:00:00	77.4	1762.3	71.4	9.9	0.0	200.9
03/27/15	07:00:00	76.5	1762.4	67.6	10.0	0.0	201.3
03/27/15	08:00:00	78.0	1762.8	64.8	10.1	0.0	201.7
03/27/15	09:00:00	82.2	1762.9	63.9	10.0	0.0	202.1
03/27/15	10:00:00	90.1	1763.4	66.5	9.9	0.0	202.5

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/27/15	11:00:00	96.4	1763.7	71.5	9.8	0.0	202.9
03/27/15	12:00:00	101.7	1764.4	79.2	9.8	0.0	203.3
03/27/15	13:00:00	105.4	1764.8	88.8	9.7	0.0	203.8
03/27/15	14:00:00	107.8	1764.8	99.6	9.5	0.0	204.1
03/27/15	15:00:00	108.6	1765.3	110.6	9.4	0.0	204.5
03/27/15	16:00:00	108.6	1765.9	121.3	9.5	0.0	204.9
03/27/15	17:00:00	106.8	1766.8	130.8	9.7	0.0	205.3
03/27/15	18:00:00	103.9	1767.6	136.8	9.8	0.0	205.7
03/27/15	19:00:00	100.7	1768.2	139.2	9.8	0.0	206.2
03/27/15	20:00:00	96.6	1768.2	138.0	9.9	0.0	206.6
03/27/15	21:00:00	92.1	1768.3	133.0	9.9	0.0	207.0
03/27/15	22:00:00	88.7	1768.3	124.7	9.9	0.0	207.4
03/27/15	23:00:00	86.2	1768.5	117.7	10.0	0.0	207.8
03/28/15	00:00:00	83.7	1768.5	109.2	10.0	0.0	208.2
03/28/15	01:00:00	80.6	1768.7	100.9	10.1	0.0	208.6
03/28/15	02:00:00	82.9	1768.5	94.7	10.0	0.0	209.1
03/28/15	03:00:00	84.5	1768.7	91.9	10.1	0.0	209.5
03/28/15	04:00:00	83.6	1768.7	88.9	10.1	0.0	209.9
03/28/15	05:00:00	82.7	1768.8	85.6	10.1	0.0	210.3
03/28/15	06:00:00	81.7	1768.8	82.5	10.1	0.0	210.7
03/28/15	07:00:00	78.2	1768.8	78.1	10.1	0.0	211.2
03/28/15	08:00:00	75.8	1769.3	72.5	10.3	0.0	211.6
03/28/15	09:00:00	79.6	1768.8	69.4	10.1	0.0	212.0
03/28/15	10:00:00	85.0	1768.7	69.8	9.9	0.0	212.4
03/28/15	11:00:00	91.6	1768.6	73.0	9.8	0.0	212.8
03/28/15	12:00:00	95.4	1769.6	78.0	10.0	0.0	213.2
03/28/15	13:00:00	99.6	1769.9	84.9	9.8	0.0	213.7
03/28/15	14:00:00	102.9	1770.2	93.3	9.7	0.0	214.1
03/28/15	15:00:00	106.3	1770.7	103.7	9.7	0.0	214.5
03/28/15	16:00:00	107.2	1771.3	115.1	9.7	0.0	214.9
03/28/15	17:00:00	107.4	1772.1	126.1	9.8	0.0	215.3
03/28/15	18:00:00	106.6	1772.6	136.2	9.8	0.0	215.7
03/28/15	19:00:00	103.0	1773.3	142.6	9.9	0.0	216.1
03/28/15	20:00:00	97.9	1773.4	143.2	10.0	0.0	216.5
03/28/15	21:00:00	93.2	1771.8	138.6	9.0	0.0	216.9
03/28/15	22:00:00	84.0	1753.8	129.4	1.5	0.0	217.0
03/28/15	23:00:00	85.4	1762.9	120.8	7.2	0.0	217.3
03/29/15	00:00:00	84.7	1765.0	113.1	8.0	0.0	217.6
03/29/15	01:00:00	84.2	1765.0	106.5	8.0	0.0	217.9
03/29/15	02:00:00	84.1	1765.3	101.9	8.2	0.0	218.3
03/29/15	03:00:00	81.3	1765.3	96.9	8.3	0.0	218.6
03/29/15	04:00:00	77.6	1765.2	90.3	8.3	0.0	219.0
03/29/15	05:00:00	78.7	1765.1	85.2	8.3	0.0	219.3
03/29/15	06:00:00	76.0	1764.7	80.6	8.3	0.0	219.6
03/29/15	07:00:00	74.5	1764.6	75.7	8.3	0.0	220.0
03/29/15	08:00:00	74.7	1764.7	71.7	8.4	0.0	220.3
03/29/15	09:00:00	80.5	1764.3	70.2	8.2	0.0	220.7
03/29/15	10:00:00	89.5	1764.3	72.5	8.0	0.0	221.0
03/29/15	11:00:00	96.4	1764.6	77.3	7.9	0.0	221.3
03/29/15	12:00:00	99.8	1765.0	83.3	7.9	0.0	221.7
03/29/15	13:00:00	104.3	1765.4	90.7	7.9	0.0	222.0
03/29/15	14:00:00	107.2	1766.1	99.7	8.0	0.0	222.3
03/29/15	15:00:00	107.8	1766.6	108.9	8.0	0.0	222.7
03/29/15	16:00:00	108.9	1766.6	117.8	7.9	0.0	223.0
03/29/15	17:00:00	109.4	1767.0	126.8	7.9	0.0	223.3
03/29/15	18:00:00	108.2	1767.3	134.6	7.9	0.0	223.7
03/29/15	19:00:00	104.2	1767.9	139.2	8.0	0.0	224.0
03/29/15	20:00:00	98.0	1767.8	138.3	8.1	0.0	224.3
03/29/15	21:00:00	93.5	1768.1	133.8	8.2	0.0	224.7
03/29/15	22:00:00	90.0	1768.1	127.3	8.2	0.0	225.0
03/29/15	23:00:00	87.2	1768.1	120.4	8.3	0.0	225.4
03/30/15	00:00:00	83.7	1768.0	113.2	8.3	0.0	225.7
03/30/15	01:00:00	83.6	1767.7	106.6	8.2	0.0	226.1
03/30/15	02:00:00	83.6	1767.8	101.7	8.3	0.0	226.4
03/30/15	03:00:00	81.2	1767.8	97.0	8.3	0.0	226.7
03/30/15	04:00:00	80.0	1767.8	91.5	8.4	0.0	227.1
03/30/15	05:00:00	78.9	1767.3	87.1	8.2	0.0	227.4

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/30/15	06:00:00	76.9	1767.1	82.4	8.2	0.0	227.8
03/30/15	07:00:00	75.9	1767.1	78.0	8.3	0.0	228.1
03/30/15	08:00:00	75.1	1767.1	73.9	8.3	0.0	228.5
03/30/15	09:00:00	81.0	1767.0	72.4	8.1	0.0	228.8
03/30/15	10:00:00	90.0	1765.5	74.9	7.4	0.0	229.1
03/30/15	11:00:00	94.5	1772.7	79.4	9.7	0.0	229.5
03/30/15	12:00:00	100.2	1774.0	86.5	9.8	0.0	229.9
03/30/15	13:00:00	103.2	1774.8	95.9	9.8	0.0	230.3
03/30/15	14:00:00	104.8	1775.6	106.0	9.7	0.0	230.7
03/30/15	15:00:00	106.4	1776.5	116.7	9.8	0.0	231.1
03/30/15	16:00:00	108.9	1776.9	129.4	9.7	0.0	231.5
03/30/15	17:00:00	108.2	1777.3	142.0	9.7	0.0	232.0
03/30/15	18:00:00	104.5	1777.8	150.0	9.7	0.0	232.4
03/30/15	19:00:00	98.9	1778.5	150.9	9.9	0.0	232.8
03/30/15	20:00:00	96.2	1779.0	148.5	9.9	0.0	233.2
03/30/15	21:00:00	92.0	1779.1	143.4	10.0	0.0	233.6
03/30/15	22:00:00	86.0	1777.9	133.2	9.6	0.0	234.0
03/30/15	23:00:00	83.6	1772.9	123.1	8.2	0.0	234.3
03/31/15	00:00:00	83.2	1772.9	115.2	8.3	0.0	234.7
03/31/15	01:00:00	82.1	1773.0	107.9	8.5	0.0	235.0
03/31/15	02:00:00	85.1	1773.4	103.9	8.6	0.0	235.4
03/31/15	03:00:00	85.2	1773.2	101.1	8.6	0.0	235.8
03/31/15	04:00:00	84.1	1773.3	98.0	8.6	0.0	236.1
03/31/15	05:00:00	82.6	1773.1	94.2	8.6	0.0	236.5
03/31/15	06:00:00	81.1	1772.9	90.0	8.6	0.0	236.8
03/31/15	07:00:00	81.1	1772.7	86.4	8.5	0.0	237.2
03/31/15	08:00:00	81.9	1772.6	83.8	8.5	0.0	237.5
03/31/15	09:00:00	84.2	1772.7	82.8	8.5	0.0	237.9
03/31/15	10:00:00	87.2	1772.8	83.1	8.5	0.0	238.2
03/31/15	11:00:00	90.4	1772.7	84.9	8.4	0.0	238.6
03/31/15	12:00:00	93.7	1773.0	88.0	8.4	0.0	238.9
03/31/15	13:00:00	96.2	1773.2	92.3	8.3	0.0	239.3
03/31/15	14:00:00	98.1	1773.4	97.1	8.2	0.0	239.6
03/31/15	15:00:00	99.6	1773.7	102.2	8.3	0.0	240.0
03/31/15	16:00:00	99.6	1774.0	107.2	8.3	0.0	240.3
03/31/15	17:00:00	98.5	1774.3	110.9	8.3	0.0	240.7
03/31/15	18:00:00	97.6	1774.5	113.5	8.3	0.0	241.0
03/31/15	19:00:00	95.2	1774.9	114.7	8.4	0.0	241.4
03/31/15	20:00:00	89.9	1774.9	112.5	8.5	0.0	241.7
03/31/15	21:00:00	85.6	1775.0	107.1	8.5	0.0	242.1
03/31/15	22:00:00	82.1	1775.0	100.3	8.6	0.0	242.4
03/31/15	23:00:00	80.7	1775.1	94.6	8.7	0.0	242.8
04/01/15	00:00:00	78.4	1775.0	88.6	8.7	0.0	243.2
04/01/15	01:00:00	77.7	1774.9	83.5	8.7	0.0	243.5
04/01/15	02:00:00	76.9	1774.6	79.1	8.6	0.0	243.9
04/01/15	03:00:00	75.7	1774.5	75.1	8.6	0.0	244.2
04/01/15	04:00:00	73.6	1774.5	70.9	8.8	0.0	244.6
04/01/15	05:00:00	72.2	1774.4	66.9	8.7	0.0	245.0
04/01/15	06:00:00	71.7	1774.2	63.2	8.7	0.0	245.3
04/01/15	07:00:00	70.8	1774.1	60.2	8.8	0.0	245.7
04/01/15	08:00:00	57.0	1759.1	61.6	0.3	0.0	245.7
04/01/15	09:00:00	52.3	1756.8	66.6	0.0	0.0	245.7
04/01/15	10:00:00	58.1	1755.8	70.1	0.0	0.0	245.7
04/01/15	11:00:00	67.9	1754.9	72.9	0.0	0.0	245.7
04/01/15	12:00:00	76.4	1754.1	75.4	0.0	0.0	245.7
04/01/15	13:00:00	78.4	1753.4	77.5	0.0	0.0	245.7
04/01/15	14:00:00	80.1	1752.8	79.3	0.0	0.0	245.7
04/01/15	15:00:00	84.8	1752.2	80.8	0.0	0.0	245.7
04/01/15	16:00:00	88.5	1751.5	82.2	0.0	0.0	245.7
04/01/15	17:00:00	86.0	1751.0	83.5	0.0	0.0	245.7
04/01/15	18:00:00	81.8	1750.5	84.5	0.0	0.0	245.7
04/01/15	19:00:00	73.6	1750.2	85.4	0.0	0.0	245.7
04/01/15	20:00:00	64.1	1749.6	86.1	0.0	0.0	245.7
04/01/15	21:00:00	58.4	1749.3	86.7	0.0	0.0	245.7
04/01/15	22:00:00	55.3	1748.9	87.2	0.0	0.0	245.7
04/01/15	23:00:00	52.4	1748.6	87.7	0.0	0.0	245.7
04/02/15	00:00:00	52.4	1748.2	88.1	0.0	0.0	245.7

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/02/15	01:00:00	51.5	1747.9	88.5	0.0	0.0	245.7
04/02/15	02:00:00	50.1	1747.6	88.8	0.0	0.0	245.7
04/02/15	03:00:00	50.0	1747.3	89.1	0.0	0.0	245.7
04/02/15	04:00:00	50.4	1747.0	89.4	0.0	0.0	245.7
04/02/15	05:00:00	50.2	1746.7	89.7	0.0	0.0	245.7
04/02/15	06:00:00	49.2	1746.5	89.9	0.0	0.0	245.7
04/02/15	07:00:00	48.6	1746.3	90.1	0.0	0.0	245.7
04/02/15	08:00:00	48.6	1746.0	90.3	0.0	0.0	245.7
04/02/15	09:00:00	51.4	1745.8	90.7	0.0	0.0	245.7
04/02/15	10:00:00	57.5	1745.6	91.0	0.0	0.0	245.7
04/02/15	11:00:00	67.6	1745.3	91.4	0.0	0.0	245.7
04/02/15	12:00:00	77.6	1745.0	92.0	0.0	0.0	245.7
04/02/15	13:00:00	82.6	1744.8	92.5	0.0	0.0	245.7
04/02/15	14:00:00	86.5	1744.6	92.9	0.0	0.0	245.7
04/02/15	15:00:00	87.7	1744.4	93.4	0.0	0.0	245.7
04/02/15	16:00:00	87.5	1744.2	93.8	0.0	0.0	245.7
04/02/15	17:00:00	84.4	1744.0	94.2	0.0	0.0	245.7
04/02/15	18:00:00	79.7	1743.9	94.4	0.0	0.0	245.7
04/02/15	19:00:00	74.0	1743.9	94.6	0.0	0.0	245.7
04/02/15	20:00:00	67.5	1743.5	94.7	0.0	0.0	245.7
04/02/15	21:00:00	60.5	1743.4	94.8	0.0	0.0	245.7
04/02/15	22:00:00	56.2	1743.3	94.8	0.0	0.0	245.7
04/02/15	23:00:00	54.0	1743.2	94.8	0.0	0.0	245.7
04/03/15	00:00:00	53.2	1743.1	94.8	0.0	0.0	245.7
04/03/15	01:00:00	51.8	1743.0	94.8	0.0	0.0	245.7
04/03/15	02:00:00	50.6	1742.8	94.8	0.0	0.0	245.7
04/03/15	03:00:00	49.2	1742.7	94.8	0.0	0.0	245.7
04/03/15	04:00:00	46.4	1742.6	94.8	0.0	0.0	245.7
04/03/15	05:00:00	43.7	1742.5	94.7	0.0	0.0	245.7
04/03/15	06:00:00	44.4	1742.5	94.7	0.0	0.0	245.7
04/03/15	07:00:00	44.0	1742.3	94.7	0.0	0.0	245.7
04/03/15	08:00:00	(2)	(2)	(2)	0.0	0.0	245.7
04/03/15	09:00:00	50.0	1742.0	95.0	4.6	4.5	245.7
04/03/15	10:00:00	64.5	1742.2	95.1	3.1	6.2	245.6
04/03/15	11:00:00	85.6	1762.1	88.0	9.6	0.0	246.0
04/03/15	12:00:00	91.5	1764.5	81.6	9.8	0.0	246.4
04/03/15	13:00:00	97.1	1765.9	82.3	9.7	0.0	246.8
04/03/15	14:00:00	100.0	1767.3	85.8	9.7	0.0	247.2
04/03/15	15:00:00	102.2	1768.4	91.2	9.6	0.0	247.6
04/03/15	16:00:00	103.5	1767.8	97.4	8.8	0.0	248.0
04/03/15	17:00:00	102.7	1769.3	102.3	9.2	0.0	248.3
04/03/15	18:00:00	102.2	1771.3	107.6	9.5	0.0	248.7
04/03/15	19:00:00	98.9	1772.5	110.9	9.6	0.0	249.1
04/03/15	20:00:00	91.8	1772.9	108.9	9.7	0.0	249.5
04/03/15	21:00:00	87.1	1773.9	102.9	9.8	0.0	250.0
04/03/15	22:00:00	83.3	1775.0	96.2	10.0	0.0	250.4
04/03/15	23:00:00	79.7	1775.7	88.7	10.2	0.0	250.8
04/04/15	00:00:00	76.2	1775.8	81.0	10.2	0.0	251.2
04/04/15	01:00:00	77.4	1775.9	75.3	10.1	0.0	251.6
04/04/15	02:00:00	78.8	1776.0	71.7	10.0	0.0	252.1
04/04/15	03:00:00	79.8	1776.4	69.8	10.0	0.0	252.5
04/04/15	04:00:00	77.4	1776.6	66.9	10.0	0.0	252.9
04/04/15	05:00:00	75.9	1776.9	63.7	10.1	0.0	253.3
04/04/15	06:00:00	72.8	1776.9	60.3	10.0	0.0	253.7
04/04/15	07:00:00	70.2	1776.8	56.1	10.0	0.0	254.2
04/04/15	08:00:00	74.9	1777.0	54.0	9.9	0.0	254.6
04/04/15	09:00:00	79.7	1777.0	54.2	9.8	0.0	255.0
04/04/15	10:00:00	85.6	1777.8	56.2	9.9	0.0	255.4
04/04/15	11:00:00	89.1	1778.7	59.1	9.9	0.0	255.8
04/04/15	12:00:00	91.6	1778.4	62.5	9.6	0.0	256.2
04/04/15	13:00:00	95.6	1778.6	67.1	9.5	0.0	256.6
04/04/15	14:00:00	98.2	1779.3	72.8	9.5	0.0	257.0
04/04/15	15:00:00	99.8	1779.8	78.9	9.4	0.0	257.4
04/04/15	16:00:00	100.6	1780.4	85.3	9.4	0.0	257.8
04/04/15	17:00:00	99.6	1778.3	90.9	8.6	0.0	258.1
04/04/15	18:00:00	93.7	1779.8	92.2	9.2	0.0	258.5
04/04/15	19:00:00	89.4	1782.0	90.7	9.8	0.0	258.9

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/04/15	20:00:00	86.9	1781.9	88.1	9.6	0.0	259.3
04/04/15	21:00:00	85.4	1782.7	85.4	9.9	0.0	259.7
04/04/15	22:00:00	84.4	1782.9	82.7	9.9	0.0	260.2
04/04/15	23:00:00	83.7	1783.1	80.2	9.9	0.0	260.6
04/05/15	00:00:00	82.2	1783.6	77.7	10.1	0.0	261.0
04/05/15	01:00:00	80.8	1783.6	74.6	10.0	0.0	261.4
04/05/15	02:00:00	80.1	1783.5	71.7	10.0	0.0	261.8
04/05/15	03:00:00	79.3	1783.8	69.1	10.0	0.0	262.2
04/05/15	04:00:00	78.3	1783.8	66.5	10.0	0.0	262.7
04/05/15	05:00:00	76.7	1783.7	63.8	10.0	0.0	263.1
04/05/15	06:00:00	76.0	1783.7	61.0	10.0	0.0	263.5
04/05/15	07:00:00	73.5	1783.6	58.1	10.0	0.0	263.9
04/05/15	08:00:00	75.1	1784.2	55.9	10.2	0.0	264.3
04/05/15	09:00:00	78.8	1783.9	55.1	10.0	0.0	264.7
04/05/15	10:00:00	84.6	1783.8	56.6	9.8	0.0	265.1
04/05/15	11:00:00	88.1	1784.0	59.1	9.6	0.0	265.6
04/05/15	12:00:00	90.1	1784.5	62.1	9.7	0.0	266.0
04/05/15	13:00:00	88.7	1785.5	64.9	9.9	0.0	266.4
04/05/15	14:00:00	80.4	1785.9	63.4	10.1	0.0	266.8
04/05/15	15:00:00	83.0	1785.8	62.2	9.9	0.0	267.2
04/05/15	16:00:00	84.5	1786.4	62.6	10.0	0.0	267.6
04/05/15	17:00:00	86.9	1786.3	64.1	9.9	0.0	268.0
04/05/15	18:00:00	87.2	1786.8	65.6	9.9	0.0	268.4
04/05/15	19:00:00	85.7	1786.9	66.4	9.9	0.0	268.9
04/05/15	20:00:00	82.4	1787.0	65.7	10.0	0.0	269.3
04/05/15	21:00:00	79.2	1787.0	63.4	10.0	0.0	269.7
04/05/15	22:00:00	78.3	1787.1	61.2	10.0	0.0	270.1
04/05/15	23:00:00	76.4	1787.0	59.0	9.9	0.0	270.5
04/06/15	00:00:00	73.9	1783.5	56.8	9.0	0.0	270.9
04/06/15	01:00:00	75.4	1787.2	54.5	10.1	0.0	271.3
04/06/15	02:00:00	73.6	1787.1	52.7	10.0	0.0	271.7
04/06/15	03:00:00	72.3	1787.4	50.6	10.2	0.0	272.2
04/06/15	04:00:00	71.9	1787.2	48.4	10.1	0.0	272.6
04/06/15	05:00:00	70.5	1786.8	46.7	10.0	0.0	273.0
04/06/15	06:00:00	69.9	1786.7	45.0	10.0	0.0	273.4
04/06/15	07:00:00	70.1	1786.9	43.4	10.0	0.0	273.8
04/06/15	08:00:00	72.2	1787.3	42.5	10.1	0.0	274.2
04/06/15	09:00:00	77.1	1787.3	43.0	10.0	0.0	274.7
04/06/15	10:00:00	80.5	1787.3	44.2	9.8	0.0	275.1
04/06/15	11:00:00	83.5	1787.6	46.0	9.8	0.0	275.5
04/06/15	12:00:00	85.5	1788.1	47.9	9.8	0.0	275.9
04/06/15	13:00:00	90.1	1788.2	50.9	9.7	0.0	276.3
04/06/15	14:00:00	93.7	1788.6	55.0	9.6	0.0	276.7
04/06/15	15:00:00	95.6	1789.2	59.5	9.6	0.0	277.1
04/06/15	16:00:00	95.5	1790.3	63.9	9.8	0.0	277.5
04/06/15	17:00:00	94.6	1790.7	67.8	9.8	0.0	277.9
04/06/15	18:00:00	92.6	1791.1	70.3	9.8	0.0	278.3
04/06/15	19:00:00	92.3	1791.1	72.6	9.7	0.0	278.7
04/06/15	20:00:00	89.2	1791.4	73.4	9.8	0.0	279.1
04/06/15	21:00:00	86.8	1792.0	73.0	9.9	0.0	279.5
04/06/15	22:00:00	84.9	1792.4	71.8	10.0	0.0	280.0
04/06/15	23:00:00	84.4	1792.3	70.7	10.0	0.0	280.4
04/07/15	00:00:00	80.3	1792.6	68.7	10.1	0.0	280.8
04/07/15	01:00:00	79.6	1792.4	65.3	10.0	0.0	281.2
04/07/15	02:00:00	80.2	1792.5	63.5	10.1	0.0	281.6
04/07/15	03:00:00	83.4	1792.7	63.4	10.0	0.0	282.0
04/07/15	04:00:00	87.0	1792.8	64.7	9.9	0.0	282.5
04/07/15	05:00:00	81.8	1792.8	64.4	9.9	0.0	282.9
04/07/15	06:00:00	80.9	1792.7	62.7	9.9	0.0	283.3
04/07/15	07:00:00	80.4	1792.9	61.4	9.9	0.0	283.7
04/07/15	08:00:00	78.4	1792.8	59.4	9.9	0.0	284.1
04/07/15	09:00:00	78.7	1792.8	57.9	9.9	0.0	284.5
04/07/15	10:00:00	78.6	1792.8	56.4	9.9	0.0	284.9
04/07/15	11:00:00	84.1	1793.2	56.9	9.9	0.0	285.3
04/07/15	12:00:00	88.5	1793.7	59.4	9.9	0.0	285.8
04/07/15	13:00:00	85.5	1793.7	61.7	9.8	0.0	286.2
04/07/15	14:00:00	83.1	1793.6	60.3	9.7	0.0	286.6

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
04/07/15	15:00:00	86.2	1794.2	61.9	9.8	0.0	287.0
04/07/15	16:00:00	88.2	1794.8	63.4	9.9	0.0	287.4
04/07/15	17:00:00	85.9	1794.8	64.7	9.9	0.0	287.8
04/07/15	18:00:00	78.3	1795.5	62.4	10.2	0.0	288.2
04/07/15	19:00:00	78.4	1795.1	59.8	9.9	0.0	288.6
04/07/15	20:00:00	79.0	1794.8	58.6	9.9	0.0	289.1
04/07/15	21:00:00	77.7	1795.1	57.2	10.0	0.0	289.5
04/07/15	22:00:00	76.8	1791.0	55.8	8.8	0.0	289.8
04/07/15	23:00:00	75.3	1792.7	54.6	9.4	0.0	290.2
04/08/15	00:00:00	72.8	1795.0	52.1	10.1	0.0	290.6
04/08/15	01:00:00	75.0	1795.4	50.5	10.1	0.0	291.1
04/08/15	02:00:00	75.0	1795.5	49.6	10.2	0.0	291.5
04/08/15	03:00:00	73.0	1795.4	47.9	10.1	0.0	291.9
04/08/15	04:00:00	72.3	1795.4	46.6	10.1	0.0	292.3
04/08/15	05:00:00	70.8	1795.4	44.9	10.2	0.0	292.8
04/08/15	06:00:00	71.9	1795.1	43.9	10.0	0.0	293.2
04/08/15	07:00:00	71.6	1795.3	43.1	10.1	0.0	293.6
04/08/15	08:00:00	70.0	1795.5	41.9	10.2	0.0	294.0
04/08/15	09:00:00	71.6	1795.0	41.1	10.0	0.0	294.4
04/08/15	10:00:00	76.1	1795.7	41.3	10.1	0.0	294.9
04/08/15	11:00:00	78.8	1795.2	42.4	9.8	0.0	295.3
04/08/15	12:00:00	83.8	1795.2	44.3	9.7	0.0	295.7
04/08/15	13:00:00	84.4	1796.0	46.4	9.8	0.0	296.1
04/08/15	14:00:00	85.8	1796.4	48.2	9.8	0.0	296.5
04/08/15	15:00:00	87.4	1796.6	50.7	9.7	0.0	296.9
04/08/15	16:00:00	88.5	1797.0	53.0	9.7	0.0	297.3
04/08/15	17:00:00	88.5	1797.6	55.3	9.8	0.0	297.7
04/08/15	18:00:00	88.4	1798.0	57.3	9.8	0.0	298.1
04/08/15	19:00:00	86.5	1798.6	58.6	9.9	0.0	298.5
04/08/15	20:00:00	83.2	1798.7	58.7	9.9	0.0	298.9
04/08/15	21:00:00	79.1	1798.9	57.2	10.0	0.0	299.3
04/08/15	22:00:00	77.5	1798.8	55.4	10.0	0.0	299.8
04/08/15	23:00:00	75.7	1798.8	53.5	10.0	0.0	300.2
04/09/15	00:00:00	74.3	1799.0	51.7	10.1	0.0	300.6
04/09/15	01:00:00	72.6	1799.1	49.5	10.1	0.0	301.0
04/09/15	02:00:00	72.2	1799.1	47.8	10.1	0.0	301.4
04/09/15	03:00:00	72.9	1798.8	46.4	10.1	0.0	301.9
04/09/15	04:00:00	70.8	1798.8	45.2	10.1	0.0	302.3
04/09/15	05:00:00	69.4	1798.7	43.5	10.1	0.0	302.7
04/09/15	06:00:00	68.3	1798.6	41.9	10.1	0.0	303.1
04/09/15	07:00:00	68.2	1798.5	40.6	10.1	0.0	303.5
04/09/15	08:00:00	69.3	1798.7	39.6	10.1	0.0	304.0
04/09/15	09:00:00	73.0	1798.6	39.5	10.0	0.0	304.4
04/09/15	10:00:00	78.5	1798.7	40.5	9.9	0.0	304.8
04/09/15	11:00:00	83.7	1798.9	42.5	9.8	0.0	305.2
04/09/15	12:00:00	87.3	1799.2	45.2	9.7	0.0	305.6
04/09/15	13:00:00	89.6	1799.7	48.3	9.7	0.0	306.0
04/09/15	14:00:00	91.0	1800.3	51.5	9.7	0.0	306.4
04/09/15	15:00:00	92.9	1800.8	55.1	9.7	0.0	306.8
04/09/15	16:00:00	92.1	1801.5	58.3	9.8	0.0	307.2
04/09/15	17:00:00	92.8	1801.9	61.5	9.7	0.0	307.6
04/09/15	18:00:00	92.5	1802.2	64.5	9.8	0.0	308.0
04/09/15	19:00:00	91.6	1802.7	66.9	9.8	0.0	308.4
04/09/15	20:00:00	88.5	1802.8	68.2	9.8	0.0	308.9
04/09/15	21:00:00	85.5	1803.3	67.7	9.9	0.0	309.3
04/09/15	22:00:00	83.0	1803.6	66.5	10.0	0.0	309.7
04/09/15	23:00:00	82.4	1803.8	65.2	10.1	0.0	310.1
04/10/15	00:00:00	80.2	1798.4	63.8	8.3	0.0	310.5
04/10/15	01:00:00	78.1	1797.5	62.1	8.3	0.0	310.8
04/10/15	02:00:00	76.1	1797.1	60.0	8.2	0.0	311.1
04/10/15	03:00:00	74.5	1796.9	57.8	8.2	0.0	311.5
04/10/15	04:00:00	74.5	1796.7	56.1	8.2	0.0	311.8
04/10/15	05:00:00	72.9	1796.5	54.3	8.3	0.0	312.2
04/10/15	06:00:00	70.7	1796.3	52.2	8.3	0.0	312.5
04/10/15	07:00:00	73.0	1796.1	50.8	8.3	0.0	312.9
04/10/15	08:00:00	72.0	1796.0	49.7	8.3	0.0	313.2
04/10/15	09:00:00	76.7	1795.8	49.6	8.1	0.0	313.5

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/10/15	10:00:00	82.3	1796.0	50.7	8.1	0.0	313.9
04/10/15	11:00:00	88.1	1796.3	53.0	8.0	0.0	314.2
04/10/15	12:00:00	92.0	1796.6	56.2	8.0	0.0	314.5
04/10/15	13:00:00	95.2	1797.0	59.9	8.0	0.0	314.9
04/10/15	14:00:00	97.5	1797.3	64.0	8.0	0.0	315.2
04/10/15	15:00:00	99.6	1797.7	68.7	8.0	0.0	315.5
04/10/15	16:00:00	100.5	1798.0	73.4	7.9	0.0	315.9
04/10/15	17:00:00	100.2	1798.4	77.7	7.9	0.0	316.2
04/10/15	18:00:00	99.2	1798.6	81.4	8.0	0.0	316.5
04/10/15	19:00:00	96.2	1799.0	83.7	8.0	0.0	316.9
04/10/15	20:00:00	91.0	1798.9	83.6	8.1	0.0	317.2
04/10/15	21:00:00	86.9	1799.0	81.4	8.1	0.0	317.5
04/10/15	22:00:00	84.3	1799.0	78.8	8.1	0.0	317.9
04/10/15	23:00:00	81.5	1799.0	75.8	8.2	0.0	318.2
04/11/15	00:00:00	80.1	1798.9	72.6	8.2	0.0	318.6
04/11/15	01:00:00	81.6	1799.0	71.0	8.2	0.0	318.9
04/11/15	02:00:00	78.3	1798.8	68.9	8.2	0.0	319.3
04/11/15	03:00:00	75.0	1798.7	65.5	8.3	0.0	319.6
04/11/15	04:00:00	74.1	1798.6	62.6	8.3	0.0	319.9
04/11/15	05:00:00	73.9	1798.4	60.2	8.3	0.0	320.3
04/11/15	06:00:00	72.9	1798.3	58.0	8.3	0.0	320.6
04/11/15	07:00:00	73.1	1798.1	56.2	8.2	0.0	321.0
04/11/15	08:00:00	75.8	1798.2	55.2	8.2	0.0	321.3
04/11/15	09:00:00	83.1	1798.2	56.2	8.0	0.0	321.7
04/11/15	10:00:00	87.6	1798.4	58.5	8.0	0.0	322.0
04/11/15	11:00:00	92.4	1798.8	61.6	8.0	0.0	322.3
04/11/15	12:00:00	93.2	1799.0	65.1	8.0	0.0	322.7
04/11/15	13:00:00	95.2	1799.6	68.4	8.0	0.0	323.0
04/11/15	14:00:00	99.1	1799.9	72.9	8.0	0.0	323.3
04/11/15	15:00:00	100.9	1800.2	78.1	7.9	0.0	323.6
04/11/15	16:00:00	101.4	1800.6	83.2	7.9	0.0	324.0
04/11/15	17:00:00	101.4	1801.0	87.9	7.9	0.0	324.3
04/11/15	18:00:00	100.7	1801.0	92.0	7.9	0.0	324.6
04/11/15	19:00:00	97.4	1801.4	94.5	7.9	0.0	325.0
04/11/15	20:00:00	92.7	1801.7	94.2	8.1	0.0	325.3
04/11/15	21:00:00	89.3	1801.9	92.1	8.2	0.0	325.6
04/11/15	22:00:00	87.6	1801.2	89.7	7.9	0.0	326.0
04/11/15	23:00:00	87.3	1801.9	87.9	8.2	0.0	326.3
04/12/15	00:00:00	85.9	1801.9	86.0	8.2	0.0	326.7
04/12/15	01:00:00	84.3	1802.1	83.7	8.2	0.0	327.0
04/12/15	02:00:00	80.9	1802.1	80.6	8.3	0.0	327.3
04/12/15	03:00:00	78.9	1801.9	76.9	8.3	0.0	327.7
04/12/15	04:00:00	78.7	1801.8	73.7	8.3	0.0	328.0
04/12/15	05:00:00	78.3	1801.8	71.3	8.3	0.0	328.4
04/12/15	06:00:00	76.0	1801.7	68.4	8.3	0.0	328.7
04/12/15	07:00:00	75.0	1801.6	65.5	8.3	0.0	329.1
04/12/15	08:00:00	76.9	1800.5	63.6	7.7	0.0	329.4
04/12/15	09:00:00	80.0	1792.4	64.6	3.7	0.0	329.5
04/12/15	10:00:00	86.0	1791.6	66.8	3.4	0.0	329.7
04/12/15	11:00:00	91.0	1796.4	69.1	6.4	0.0	330.0
04/12/15	12:00:00	96.0	1800.7	72.5	7.9	0.0	330.3
04/12/15	13:00:00	99.4	1801.2	77.2	7.8	0.0	330.6
04/12/15	14:00:00	102.4	1799.2	82.5	6.9	0.0	330.9
04/12/15	15:00:00	103.8	1800.0	87.7	7.2	0.0	331.2
04/12/15	16:00:00	105.0	1802.2	94.2	7.8	0.0	331.5
04/12/15	17:00:00	105.4	1802.8	100.7	7.8	0.0	331.8
04/12/15	18:00:00	104.2	1803.1	106.3	7.8	0.0	332.2
04/12/15	19:00:00	103.1	1803.6	110.6	7.8	0.0	332.5
04/12/15	20:00:00	99.8	1803.7	113.4	7.9	0.0	332.8
04/12/15	21:00:00	94.1	1804.1	112.1	8.1	0.0	333.2
04/12/15	22:00:00	90.8	1804.2	108.8	8.0	0.0	333.5
04/12/15	23:00:00	89.5	1804.3	105.3	8.1	0.0	333.8
04/13/15	00:00:00	88.3	1804.5	102.7	8.2	0.0	334.2
04/13/15	01:00:00	85.5	1804.4	99.1	8.1	0.0	334.5
04/13/15	02:00:00	84.3	1804.4	94.9	8.1	0.0	334.9
04/13/15	03:00:00	82.8	1804.5	91.8	8.2	0.0	335.2
04/13/15	04:00:00	78.9	1800.6	87.5	6.7	0.0	335.5

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/13/15	05:00:00	75.5	1801.7	83.0	7.4	0.0	335.8
04/13/15	06:00:00	75.9	1803.7	77.9	8.2	0.0	336.1
04/13/15	07:00:00	76.7	1803.7	74.6	8.2	0.0	336.5
04/13/15	08:00:00	78.0	1803.8	72.0	8.2	0.0	336.8
04/13/15	09:00:00	83.0	1803.5	71.8	8.0	0.0	337.1
04/13/15	10:00:00	88.2	1803.8	73.7	8.0	0.0	337.5
04/13/15	11:00:00	93.1	1804.1	76.8	7.9	0.0	337.8
04/13/15	12:00:00	98.2	1802.4	81.9	6.9	0.0	338.1
04/13/15	13:00:00	99.9	1803.8	86.7	7.6	0.0	338.4
04/13/15	14:00:00	103.5	1805.0	93.4	7.8	0.0	338.7
04/13/15	15:00:00	105.2	1804.1	100.3	7.2	0.0	339.0
04/13/15	16:00:00	103.1	1805.9	106.0	7.9	0.0	339.4
04/13/15	17:00:00	100.7	1806.5	109.9	8.0	0.0	339.7
04/13/15	18:00:00	97.7	1806.7	111.7	8.1	0.0	340.0
04/13/15	19:00:00	93.9	1807.1	111.1	8.1	0.0	340.4
04/13/15	20:00:00	90.1	1806.7	108.2	8.1	0.0	340.7
04/13/15	21:00:00	86.1	1806.9	103.6	8.2	0.0	341.1
04/13/15	22:00:00	83.6	1806.8	98.3	8.2	0.0	341.4
04/13/15	23:00:00	83.1	1806.8	93.9	8.2	0.0	341.7
04/14/15	00:00:00	82.9	1806.7	90.5	8.2	0.0	342.1
04/14/15	01:00:00	82.8	1806.7	87.8	8.2	0.0	342.4
04/14/15	02:00:00	82.2	1806.7	85.4	8.2	0.0	342.8
04/14/15	03:00:00	80.9	1806.8	82.8	8.2	0.0	343.1
04/14/15	04:00:00	78.4	1806.7	79.4	8.3	0.0	343.4
04/14/15	05:00:00	77.2	1806.6	75.9	8.3	0.0	343.8
04/14/15	06:00:00	74.7	1806.4	72.4	8.3	0.0	344.1
04/14/15	07:00:00	72.2	1806.4	68.4	8.3	0.0	344.5
04/14/15	08:00:00	72.7	1801.8	66.1	6.2	0.0	344.7
04/14/15	09:00:00	76.6	1809.8	64.8	9.5	0.0	345.1
04/14/15	10:00:00	81.5	1811.7	64.0	9.8	0.0	345.5
04/14/15	11:00:00	85.3	1812.1	65.2	9.8	0.0	346.0
04/14/15	12:00:00	88.0	1809.3	67.4	8.6	0.0	346.3
04/14/15	13:00:00	90.9	1813.3	70.4	9.9	0.0	346.7
04/14/15	14:00:00	92.8	1813.9	74.2	9.8	0.0	347.1
04/14/15	15:00:00	94.0	1814.4	78.0	9.8	0.0	347.5
04/14/15	16:00:00	94.7	1815.0	82.1	9.8	0.0	347.9
04/14/15	17:00:00	94.5	1815.6	85.7	9.8	0.0	348.4
04/14/15	18:00:00	93.9	1816.0	88.8	9.8	0.0	348.8
04/14/15	19:00:00	92.9	1816.4	91.0	9.9	0.0	349.2
04/14/15	20:00:00	90.0	1816.3	91.6	9.8	0.0	349.6
04/14/15	21:00:00	84.7	1816.4	89.0	9.8	0.0	350.0
04/14/15	22:00:00	82.7	1816.6	84.9	9.9	0.0	350.4
04/14/15	23:00:00	81.4	1816.6	81.7	9.9	0.0	350.8
04/15/15	00:00:00	79.7	1817.2	78.1	10.1	0.0	351.2
04/15/15	01:00:00	77.1	1817.5	73.9	10.2	0.0	351.7
04/15/15	02:00:00	78.4	1817.3	70.6	10.1	0.0	352.1
04/15/15	03:00:00	77.9	1817.5	68.5	10.2	0.0	352.5
04/15/15	04:00:00	76.0	1817.4	65.6	10.2	0.0	352.9
04/15/15	05:00:00	76.6	1817.6	63.2	10.2	0.0	353.4
04/15/15	06:00:00	76.0	1817.3	61.3	10.1	0.0	353.8
04/15/15	07:00:00	75.8	1817.3	59.4	10.1	0.0	354.2
04/15/15	08:00:00	77.5	1817.6	58.2	10.2	0.0	354.6
04/15/15	09:00:00	80.8	1817.3	58.5	10.0	0.0	355.1
04/15/15	10:00:00	85.0	1817.5	60.1	9.9	0.0	355.5
04/15/15	11:00:00	88.6	1817.9	62.8	9.9	0.0	355.9
04/15/15	12:00:00	92.8	1818.5	66.8	9.9	0.0	356.3
04/15/15	13:00:00	96.0	1819.0	72.1	9.8	0.0	356.7
04/15/15	14:00:00	98.6	1819.5	78.1	9.8	0.0	357.1
04/15/15	15:00:00	100.3	1820.3	85.0	9.9	0.0	357.5
04/15/15	16:00:00	101.5	1820.9	92.6	9.9	0.0	357.9
04/15/15	17:00:00	101.6	1821.3	99.8	9.8	0.0	358.3
04/15/15	18:00:00	101.0	1821.6	106.3	9.8	0.0	358.7
04/15/15	19:00:00	98.9	1822.2	111.1	9.8	0.0	359.1
04/15/15	20:00:00	96.8	1822.0	113.6	9.8	0.0	359.6
04/15/15	21:00:00	93.6	1822.5	114.1	9.9	0.0	360.0
04/15/15	22:00:00	88.0	1822.9	110.0	10.0	0.0	360.4
04/15/15	23:00:00	85.8	1823.2	104.6	10.2	0.0	360.8

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/16/15	00:00:00	85.0	1823.2	100.2	10.1	0.0	361.2
04/16/15	01:00:00	83.0	1823.3	95.4	10.2	0.0	361.7
04/16/15	02:00:00	81.8	1823.2	90.8	10.2	0.0	362.1
04/16/15	03:00:00	78.9	1823.0	85.5	10.2	0.0	362.5
04/16/15	04:00:00	77.3	1822.9	80.5	10.2	0.0	362.9
04/16/15	05:00:00	76.0	1822.9	75.6	10.2	0.0	363.4
04/16/15	06:00:00	73.6	1822.6	70.8	10.2	0.0	363.8
04/16/15	07:00:00	72.1	1822.4	66.2	10.2	0.0	364.2
04/16/15	08:00:00	74.8	1822.3	63.1	10.2	0.0	364.6
04/16/15	09:00:00	81.9	1820.6	63.4	9.5	0.0	365.0
04/16/15	10:00:00	87.2	1821.3	65.9	9.6	0.0	365.4
04/16/15	11:00:00	92.2	1821.8	69.9	9.6	0.0	365.8
04/16/15	12:00:00	96.8	1822.2	75.6	9.5	0.0	366.2
04/16/15	13:00:00	102.4	1821.4	83.7	9.1	0.0	366.6
04/16/15	14:00:00	102.1	1809.3	88.6	2.1	0.0	366.7
04/16/15	15:00:00	106.9	1803.2	87.3	0.0	0.0	366.7
04/16/15	16:00:00	105.8	1802.0	87.5	0.0	0.0	366.7
04/16/15	17:00:00	101.3	1801.2	88.0	0.0	0.0	366.7
04/16/15	18:00:00	95.2	1800.3	88.6	0.0	0.0	366.7
04/16/15	19:00:00	88.1	1799.7	89.2	0.0	0.0	366.7
04/16/15	20:00:00	79.6	1798.7	89.7	0.0	0.0	366.7
04/16/15	21:00:00	70.3	1798.1	90.1	0.0	0.0	366.7
04/16/15	22:00:00	64.8	1797.7	90.5	0.0	0.0	366.7
04/16/15	23:00:00	62.7	1797.2	90.7	0.0	0.0	366.7
04/17/15	00:00:00	61.4	1796.7	90.9	0.0	0.0	366.7
04/17/15	01:00:00	59.5	1796.2	91.1	0.0	0.0	366.7
04/17/15	02:00:00	55.6	1795.7	91.3	0.0	0.0	366.7
04/17/15	03:00:00	52.2	1795.3	91.4	0.0	0.0	366.7
04/17/15	04:00:00	50.2	1795.0	91.6	0.0	0.0	366.7
04/17/15	05:00:00	49.6	1794.6	91.7	0.0	0.0	366.7
04/17/15	06:00:00	47.9	1794.2	91.8	0.0	0.0	366.7
04/17/15	07:00:00	46.4	1793.9	91.9	0.0	0.0	366.7
04/17/15	08:00:00	47.7	1793.6	92.1	0.0	0.0	366.7
04/17/15	09:00:00	53.0	1793.2	92.5	0.0	0.0	366.7
04/17/15	10:00:00	61.3	1792.9	92.8	0.0	0.0	366.7
04/17/15	11:00:00	74.9	1792.5	93.1	0.0	0.0	366.7
04/17/15	12:00:00	94.1	1792.2	93.5	0.0	0.0	366.7
04/17/15	13:00:00	103.2	1791.9	94.0	0.0	0.0	366.7
04/17/15	14:00:00	108.6	1791.7	94.4	0.0	0.0	366.7
04/17/15	15:00:00	109.0	1791.4	94.8	0.0	0.0	366.7
04/17/15	16:00:00	106.7	1791.2	95.2	0.0	0.0	366.7
04/17/15	17:00:00	103.5	1791.1	95.6	0.0	0.0	366.7
04/17/15	18:00:00	96.4	1790.7	95.9	0.0	0.0	366.7
04/17/15	19:00:00	87.9	1790.7	96.2	0.0	0.0	366.7
04/17/15	20:00:00	78.7	1790.2	96.4	0.0	0.0	366.7
04/17/15	21:00:00	71.0	1790.1	96.5	0.0	0.0	366.7
04/17/15	22:00:00	65.8	1790.0	96.5	0.0	0.0	366.7
04/17/15	23:00:00	62.5	1789.8	96.5	0.0	0.0	366.7
04/18/15	00:00:00	59.0	1789.7	96.5	0.0	0.0	366.7
04/18/15	01:00:00	55.3	1789.5	96.5	0.0	0.0	366.7
04/18/15	02:00:00	52.9	1789.4	96.4	0.0	0.0	366.7
04/18/15	03:00:00	51.9	1789.3	96.4	0.0	0.0	366.7
04/18/15	04:00:00	55.8	1789.1	96.4	0.3	0.3	366.7
04/18/15	05:00:00	67.7	1789.7	95.6	1.0	0.1	366.7
04/18/15	06:00:00	71.5	1790.5	91.8	1.9	0.0	366.8
04/18/15	07:00:00	72.6	1790.8	89.2	1.9	0.0	366.9
04/18/15	08:00:00	77.0	1791.4	87.5	1.9	0.0	367.0
04/18/15	09:00:00	81.5	1792.1	85.8	3.6	0.0	367.1
04/18/15	10:00:00	85.9	1792.7	84.2	3.6	0.0	367.3
04/18/15	11:00:00	90.9	1793.3	82.9	3.6	0.0	367.4
04/18/15	12:00:00	96.8	1796.0	83.9	4.9	0.0	367.6
04/18/15	13:00:00	101.8	1797.9	86.4	5.5	0.0	367.9
04/18/15	14:00:00	105.0	1798.7	90.0	5.5	0.0	368.1
04/18/15	15:00:00	106.7	1799.0	94.0	5.3	0.0	368.3
04/18/15	16:00:00	108.2	1801.7	98.7	6.5	0.0	368.6
04/18/15	17:00:00	107.8	1805.7	104.9	7.6	0.0	368.9
04/18/15	18:00:00	107.4	1806.3	110.8	7.6	0.0	369.2

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/18/15	19:00:00	105.3	1806.9	115.4	7.6	0.0	369.5
04/18/15	20:00:00	99.1	1807.4	116.4	7.7	0.0	369.8
04/18/15	21:00:00	93.3	1807.9	113.0	7.7	0.0	370.2
04/18/15	22:00:00	92.0	1808.3	109.5	7.7	0.0	370.5
04/18/15	23:00:00	91.2	1808.6	107.1	7.7	0.0	370.8
04/19/15	00:00:00	89.7	1809.1	104.7	7.8	0.0	371.1
04/19/15	01:00:00	87.4	1810.0	101.9	8.1	0.0	371.5
04/19/15	02:00:00	86.6	1810.2	98.7	8.0	0.0	371.8
04/19/15	03:00:00	82.8	1810.3	94.7	8.1	0.0	372.1
04/19/15	04:00:00	80.1	1810.4	89.8	8.0	0.0	372.5
04/19/15	05:00:00	79.2	1810.6	85.5	8.1	0.0	372.8
04/19/15	06:00:00	77.4	1810.5	81.3	8.1	0.0	373.1
04/19/15	07:00:00	77.9	1810.7	77.9	8.1	0.0	373.5
04/19/15	08:00:00	80.0	1810.7	75.8	8.0	0.0	373.8
04/19/15	09:00:00	83.8	1810.8	75.7	7.9	0.0	374.1
04/19/15	10:00:00	87.8	1811.2	76.9	7.9	0.0	374.5
04/19/15	11:00:00	93.7	1811.4	80.2	7.8	0.0	374.8
04/19/15	12:00:00	98.1	1811.9	85.3	7.7	0.0	375.1
04/19/15	13:00:00	101.9	1812.4	91.7	7.7	0.0	375.4
04/19/15	14:00:00	104.3	1813.0	98.8	7.7	0.0	375.8
04/19/15	15:00:00	107.5	1813.5	107.1	7.7	0.0	376.1
04/19/15	16:00:00	109.6	1814.1	116.8	7.7	0.0	376.4
04/19/15	17:00:00	110.3	1814.6	126.6	7.7	0.0	376.7
04/19/15	18:00:00	108.4	1814.8	134.7	7.7	0.0	377.0
04/19/15	19:00:00	103.0	1815.4	138.2	7.8	0.0	377.4
04/19/15	20:00:00	96.1	1815.5	135.8	7.9	0.0	377.7
04/19/15	21:00:00	91.8	1815.7	129.9	7.9	0.0	378.0
04/19/15	22:00:00	89.5	1815.8	124.1	7.9	0.0	378.4
04/19/15	23:00:00	88.3	1815.8	119.0	7.9	0.0	378.7
04/20/15	00:00:00	87.1	1815.9	114.4	7.9	0.0	379.0
04/20/15	01:00:00	83.9	1815.9	109.3	8.0	0.0	379.3
04/20/15	02:00:00	82.5	1815.9	103.7	8.0	0.0	379.7
04/20/15	03:00:00	81.7	1815.8	99.1	8.0	0.0	380.0
04/20/15	04:00:00	80.7	1815.7	94.6	8.0	0.0	380.3
04/20/15	05:00:00	81.0	1815.7	91.0	8.0	0.0	380.7
04/20/15	06:00:00	80.4	1815.7	87.8	8.0	0.0	381.0
04/20/15	07:00:00	79.9	1815.7	84.7	8.0	0.0	381.3
04/20/15	08:00:00	81.8	1815.8	82.7	8.0	0.0	381.7
04/20/15	09:00:00	84.5	1815.2	82.3	7.7	0.0	382.0
04/20/15	10:00:00	89.1	1814.8	83.9	7.4	0.0	382.3
04/20/15	11:00:00	92.9	1814.9	86.7	7.3	0.0	382.6
04/20/15	12:00:00	96.1	1808.9	89.9	4.1	0.0	382.8
04/20/15	13:00:00	98.8	1814.2	93.6	6.8	0.0	383.1
04/20/15	14:00:00	102.0	1821.8	100.8	9.5	0.0	383.5
04/20/15	15:00:00	104.7	1822.5	110.1	9.4	0.0	383.8
04/20/15	16:00:00	105.3	1823.4	119.7	9.4	0.0	384.2
04/20/15	17:00:00	104.2	1824.2	128.1	9.5	0.0	384.6
04/20/15	18:00:00	101.1	1824.5	133.7	9.5	0.0	385.0
04/20/15	19:00:00	97.0	1824.8	134.9	9.5	0.0	385.4
04/20/15	20:00:00	93.3	1825.1	132.3	9.5	0.0	385.8
04/20/15	21:00:00	90.3	1825.5	127.9	9.6	0.0	386.2
04/20/15	22:00:00	88.2	1825.6	122.6	9.6	0.0	386.6
04/20/15	23:00:00	86.4	1826.0	117.1	9.7	0.0	387.0
04/21/15	00:00:00	84.8	1826.2	111.5	9.8	0.0	387.4
04/21/15	01:00:00	84.5	1822.8	106.7	8.6	0.0	387.8
04/21/15	02:00:00	83.4	1819.9	102.9	7.7	0.0	388.1
04/21/15	03:00:00	83.0	1819.7	99.4	7.7	0.0	388.4
04/21/15	04:00:00	82.7	1823.0	96.1	8.9	0.0	388.8
04/21/15	05:00:00	82.9	1826.1	92.5	9.8	0.0	389.2
04/21/15	06:00:00	82.5	1826.1	89.5	9.8	0.0	389.6
04/21/15	07:00:00	82.8	1826.3	87.1	9.8	0.0	390.0
04/21/15	08:00:00	83.8	1826.6	85.5	9.8	0.0	390.4
04/21/15	09:00:00	86.2	1826.7	85.5	9.8	0.0	390.9
04/21/15	10:00:00	89.1	1826.8	87.0	9.7	0.0	391.3
04/21/15	11:00:00	92.3	1826.1	90.2	9.2	0.0	391.6
04/21/15	12:00:00	94.6	1821.8	94.0	7.7	0.0	392.0
04/21/15	13:00:00	98.9	1820.3	98.3	6.3	0.5	392.2

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/21/15	14:00:00	100.1	1825.8	102.8	9.0	0.0	392.6
04/21/15	15:00:00	100.5	1827.8	110.2	9.5	0.0	393.0
04/21/15	16:00:00	100.3	1828.7	116.5	9.5	0.0	393.4
04/21/15	17:00:00	99.1	1829.2	121.6	9.6	0.0	393.8
04/21/15	18:00:00	96.4	1829.7	124.5	9.7	0.0	394.2
04/21/15	19:00:00	93.5	1829.7	124.1	9.6	0.0	394.6
04/21/15	20:00:00	90.4	1829.5	121.5	9.5	0.0	395.0
04/21/15	21:00:00	85.9	1824.8	116.1	8.0	0.0	395.3
04/21/15	22:00:00	82.4	1828.5	109.3	9.4	0.0	395.7
04/21/15	23:00:00	80.7	1829.9	101.8	9.9	0.0	396.1
04/22/15	00:00:00	79.6	1829.6	95.6	9.8	0.0	396.5
04/22/15	01:00:00	78.4	1829.5	90.1	9.8	0.0	396.9
04/22/15	02:00:00	78.2	1829.7	85.3	9.8	0.0	397.3
04/22/15	03:00:00	77.8	1829.8	81.4	9.9	0.0	397.7
04/22/15	04:00:00	77.0	1829.8	77.7	9.9	0.0	398.2
04/22/15	05:00:00	76.5	1829.7	74.2	9.8	0.0	398.6
04/22/15	06:00:00	79.0	1829.9	72.2	9.8	0.0	399.0
04/22/15	07:00:00	81.2	1829.9	71.8	9.8	0.0	399.4
04/22/15	08:00:00	81.9	1830.3	71.6	9.8	0.0	399.8
04/22/15	09:00:00	85.2	1830.3	72.5	9.7	0.0	400.2
04/22/15	10:00:00	84.1	1830.7	73.4	9.8	0.0	400.6
04/22/15	11:00:00	88.5	1830.4	74.9	9.5	0.0	401.0
04/22/15	12:00:00	93.2	1830.6	79.3	9.5	0.0	401.4
04/22/15	13:00:00	96.2	1826.2	84.4	7.8	0.0	401.7
04/22/15	14:00:00	98.0	1825.2	89.6	7.4	0.0	402.0
04/22/15	15:00:00	100.0	1823.8	94.2	6.6	0.0	402.3
04/22/15	16:00:00	102.9	1822.4	99.3	5.8	0.0	402.5
04/22/15	17:00:00	104.8	1831.3	108.3	9.4	0.0	402.9
04/22/15	18:00:00	105.0	1832.3	117.9	9.4	0.0	403.3
04/22/15	19:00:00	102.8	1832.9	126.1	9.5	0.0	403.7
04/22/15	20:00:00	97.5	1833.2	128.8	9.5	0.0	404.1
04/22/15	21:00:00	92.7	1833.7	126.5	9.6	0.0	404.5
04/22/15	22:00:00	91.9	1833.9	123.6	9.6	0.0	404.9
04/22/15	23:00:00	90.2	1834.2	121.0	9.7	0.0	405.3
04/23/15	00:00:00	88.3	1834.5	117.4	9.8	0.0	405.7
04/23/15	01:00:00	85.5	1834.4	112.5	9.7	0.0	406.1
04/23/15	02:00:00	85.6	1834.7	108.6	9.8	0.0	406.5
04/23/15	03:00:00	83.2	1835.1	103.7	10.0	0.0	407.0
04/23/15	04:00:00	81.6	1834.8	98.3	9.9	0.0	407.4
04/23/15	05:00:00	80.0	1834.7	93.3	9.9	0.0	407.8
04/23/15	06:00:00	78.2	1834.5	88.0	9.9	0.0	408.2
04/23/15	07:00:00	77.9	1834.5	83.4	9.9	0.0	408.6
04/23/15	08:00:00	79.7	1834.8	80.2	9.9	0.0	409.0
04/23/15	09:00:00	83.1	1834.5	79.7	9.8	0.0	409.4
04/23/15	10:00:00	88.1	1834.6	81.4	9.7	0.0	409.8
04/23/15	11:00:00	92.4	1834.9	85.3	9.6	0.0	410.2
04/23/15	12:00:00	96.5	1835.4	91.3	9.6	0.0	410.6
04/23/15	13:00:00	99.9	1835.7	98.7	9.5	0.0	411.0
04/23/15	14:00:00	104.1	1836.4	108.7	9.5	0.0	411.4
04/23/15	15:00:00	106.6	1836.9	120.4	9.5	0.0	411.8
04/23/15	16:00:00	108.7	1837.3	133.5	9.4	0.0	412.2
04/23/15	17:00:00	106.6	1837.8	145.0	9.4	0.0	412.6
04/23/15	18:00:00	102.2	1838.2	150.4	9.5	0.0	413.0
04/23/15	19:00:00	100.0	1838.4	152.9	9.5	0.0	413.4
04/23/15	20:00:00	97.1	1838.3	152.3	9.5	0.0	413.8
04/23/15	21:00:00	94.8	1838.8	150.4	9.6	0.0	414.2
04/23/15	22:00:00	92.7	1839.2	146.5	9.7	0.0	414.6
04/23/15	23:00:00	86.2	1839.5	138.6	9.8	0.0	415.0
04/24/15	00:00:00	86.2	1839.2	129.2	9.8	0.0	415.4
04/24/15	01:00:00	90.0	1839.2	126.4	9.7	0.0	415.8
04/24/15	02:00:00	89.9	1839.3	125.0	9.7	0.0	416.2
04/24/15	03:00:00	88.4	1839.4	122.3	9.8	0.0	416.6
04/24/15	04:00:00	86.8	1839.7	118.2	9.9	0.0	417.1
04/24/15	05:00:00	86.1	1839.7	114.1	9.9	0.0	417.5
04/24/15	06:00:00	85.7	1839.6	110.2	9.8	0.0	417.9
04/24/15	07:00:00	76.2	1822.4	108.7	0.2	0.0	417.9
04/24/15	08:00:00	56.5	1819.5	110.5	0.0	0.0	417.9

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/24/15	09:00:00	59.2	1818.7	111.1	0.0	0.0	417.9
04/24/15	10:00:00	63.3	1817.9	111.5	0.0	0.0	417.9
04/24/15	11:00:00	69.9	1817.1	111.8	0.0	0.0	417.9
04/24/15	12:00:00	81.5	1816.4	112.2	0.0	0.0	417.9
04/24/15	13:00:00	87.1	1815.8	112.4	0.0	0.0	417.9
04/24/15	14:00:00	96.0	1816.1	112.6	1.4	0.5	417.9
04/24/15	15:00:00	97.1	1827.8	113.4	7.7	0.0	418.2
04/24/15	16:00:00	98.3	1834.1	115.6	9.6	0.0	418.6
04/24/15	17:00:00	98.9	1834.8	119.3	9.6	0.0	419.0
04/24/15	18:00:00	96.2	1835.3	122.0	9.6	0.0	419.4
04/24/15	19:00:00	92.2	1835.7	120.5	9.6	0.0	419.8
04/24/15	20:00:00	90.1	1836.1	117.7	9.6	0.0	420.2
04/24/15	21:00:00	89.2	1836.5	114.7	9.7	0.0	420.6
04/24/15	22:00:00	88.5	1836.8	112.4	9.7	0.0	421.0
04/24/15	23:00:00	88.2	1837.2	110.2	9.7	0.0	421.4
04/25/15	00:00:00	85.5	1837.3	107.1	9.7	0.0	421.9
04/25/15	01:00:00	84.5	1837.5	102.9	9.7	0.0	422.3
04/25/15	02:00:00	84.2	1837.6	99.8	9.7	0.0	422.7
04/25/15	03:00:00	83.2	1837.7	95.8	9.7	0.0	423.1
04/25/15	04:00:00	84.1	1838.1	93.7	9.8	0.0	423.5
04/25/15	05:00:00	84.9	1838.3	92.0	9.8	0.0	423.9
04/25/15	06:00:00	84.9	1838.5	91.1	9.7	0.0	424.3
04/25/15	07:00:00	84.5	1838.7	89.9	9.8	0.0	424.7
04/25/15	08:00:00	86.1	1838.8	89.2	9.7	0.0	425.1
04/25/15	09:00:00	88.1	1839.2	90.3	9.8	0.0	425.5
04/25/15	10:00:00	89.3	1839.4	91.9	9.7	0.0	425.9
04/25/15	11:00:00	90.7	1839.6	93.8	9.6	0.0	426.3
04/25/15	12:00:00	93.0	1840.0	97.1	9.6	0.0	426.7
04/25/15	13:00:00	92.9	1840.4	100.0	9.6	0.0	427.1
04/25/15	14:00:00	94.7	1839.5	103.5	9.1	0.0	427.5
04/25/15	15:00:00	97.2	1839.8	108.0	9.2	0.0	427.9
04/25/15	16:00:00	98.8	1842.0	114.3	9.7	0.0	428.3
04/25/15	17:00:00	99.1	1842.3	120.6	9.7	0.0	428.7
04/25/15	18:00:00	98.2	1842.5	125.4	9.7	0.0	429.1
04/25/15	19:00:00	96.4	1842.9	128.5	9.7	0.0	429.5
04/25/15	20:00:00	92.6	1842.9	128.0	9.7	0.0	429.9
04/25/15	21:00:00	89.8	1843.3	124.5	9.8	0.0	430.3
04/25/15	22:00:00	87.5	1843.3	120.3	9.8	0.0	430.7
04/25/15	23:00:00	87.7	1843.8	116.4	9.9	0.0	431.1
04/26/15	00:00:00	86.3	1843.9	113.0	9.9	0.0	431.5
04/26/15	01:00:00	84.9	1843.9	108.6	10.0	0.0	432.0
04/26/15	02:00:00	84.3	1843.9	104.5	9.9	0.0	432.4
04/26/15	03:00:00	83.3	1843.8	100.7	9.9	0.0	432.8
04/26/15	04:00:00	82.5	1843.9	96.8	10.0	0.0	433.2
04/26/15	05:00:00	81.0	1843.9	92.6	10.0	0.0	433.6
04/26/15	06:00:00	80.2	1844.0	88.7	10.0	0.0	434.0
04/26/15	07:00:00	79.8	1843.9	85.0	10.0	0.0	434.4
04/26/15	08:00:00	83.3	1843.8	83.6	9.9	0.0	434.9
04/26/15	09:00:00	87.6	1843.6	84.9	9.7	0.0	435.3
04/26/15	10:00:00	91.8	1844.0	88.5	9.7	0.0	435.7
04/26/15	11:00:00	93.9	1844.1	93.0	9.6	0.0	436.1
04/26/15	12:00:00	95.4	1844.4	97.9	9.5	0.0	436.5
04/26/15	13:00:00	99.2	1845.2	104.3	9.6	0.0	436.9
04/26/15	14:00:00	102.1	1845.4	113.0	9.5	0.0	437.3
04/26/15	15:00:00	104.5	1846.1	123.3	9.5	0.0	437.7
04/26/15	16:00:00	104.6	1846.6	133.2	9.5	0.0	438.0
04/26/15	17:00:00	105.7	1846.9	142.9	9.5	0.0	438.4
04/26/15	18:00:00	106.0	1847.0	153.1	9.4	0.0	438.8
04/26/15	19:00:00	104.1	1847.5	161.0	9.4	0.0	439.2
04/26/15	20:00:00	99.4	1847.6	163.7	9.5	0.0	439.6
04/26/15	21:00:00	94.5	1847.8	159.7	9.6	0.0	440.0
04/26/15	22:00:00	91.9	1848.2	153.4	9.7	0.0	440.4
04/26/15	23:00:00	90.9	1848.5	147.9	9.8	0.0	440.8
04/27/15	00:00:00	89.7	1848.7	142.4	9.8	0.0	441.2
04/27/15	01:00:00	89.1	1848.6	137.5	9.8	0.0	441.6
04/27/15	02:00:00	87.8	1848.7	132.7	9.8	0.0	442.1
04/27/15	03:00:00	85.5	1848.9	126.9	9.9	0.0	442.5

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/27/15	04:00:00	84.5	1848.7	119.7	9.8	0.0	442.9
04/27/15	05:00:00	86.3	1848.6	116.1	9.8	0.0	443.3
04/27/15	06:00:00	85.7	1848.7	113.3	9.8	0.0	443.7
04/27/15	07:00:00	83.5	1848.6	108.5	9.8	0.0	444.1
04/27/15	08:00:00	85.2	1848.3	105.1	9.7	0.0	444.5
04/27/15	09:00:00	89.9	1848.0	106.0	9.5	0.0	444.9
04/27/15	10:00:00	94.1	1848.6	109.8	9.6	0.0	445.3
04/27/15	11:00:00	97.2	1849.0	115.9	9.6	0.0	445.7
04/27/15	12:00:00	101.6	1849.4	124.5	9.6	0.0	446.1
04/27/15	13:00:00	103.7	1849.6	134.9	9.5	0.0	446.5
04/27/15	14:00:00	107.0	1849.4	146.8	9.2	0.0	446.9
04/27/15	15:00:00	109.7	1850.1	160.9	9.2	0.0	447.3
04/27/15	16:00:00	111.3	1850.6	176.1	9.2	0.0	447.7
04/27/15	17:00:00	110.9	1851.0	191.1	9.2	0.0	448.0
04/27/15	18:00:00	109.3	1851.3	202.6	9.3	0.0	448.4
04/27/15	19:00:00	108.5	1851.9	211.6	9.3	0.0	448.8
04/27/15	20:00:00	107.8	1852.0	219.2	9.3	0.0	449.2
04/27/15	21:00:00	103.2	1852.5	222.3	9.4	0.0	449.6
04/27/15	22:00:00	99.3	1852.7	216.8	9.4	0.0	450.0
04/27/15	23:00:00	99.0	1853.2	212.1	9.6	0.0	450.4
04/28/15	00:00:00	96.3	1853.8	207.5	9.7	0.0	450.8
04/28/15	01:00:00	92.5	1853.9	197.9	9.8	0.0	451.2
04/28/15	02:00:00	86.8	1853.7	184.1	9.8	0.0	451.6
04/28/15	03:00:00	85.2	1853.4	168.4	9.8	0.0	452.0
04/28/15	04:00:00	86.5	1853.4	157.7	9.8	0.0	452.4
04/28/15	05:00:00	84.6	1853.4	148.4	9.9	0.0	452.8
04/28/15	06:00:00	86.1	1853.4	141.3	9.8	0.0	453.2
04/28/15	07:00:00	85.8	1853.5	135.6	9.8	0.0	453.7
04/28/15	08:00:00	87.8	1853.6	131.8	9.8	0.0	454.1
04/28/15	09:00:00	88.9	1852.9	130.1	9.6	0.0	454.5
04/28/15	10:00:00	93.4	1852.8	131.4	9.5	0.0	454.9
04/28/15	11:00:00	99.8	1852.8	138.4	9.4	0.0	455.3
04/28/15	12:00:00	103.7	1853.2	149.3	9.3	0.0	455.6
04/28/15	13:00:00	107.8	1853.7	163.0	9.3	0.0	456.0
04/28/15	14:00:00	111.2	1854.1	180.0	9.2	0.0	456.4
04/28/15	15:00:00	113.4	1854.7	198.5	9.2	0.0	456.8
04/28/15	16:00:00	114.5	1854.9	217.7	9.1	0.0	457.2
04/28/15	17:00:00	112.8	1855.6	232.9	9.3	0.0	457.6
04/28/15	18:00:00	111.4	1856.0	245.0	9.3	0.0	458.0
04/28/15	19:00:00	108.0	1856.4	251.5	9.3	0.0	458.3
04/28/15	20:00:00	103.4	1856.5	250.2	9.4	0.0	458.7
04/28/15	21:00:00	99.9	1856.9	244.5	9.6	0.0	459.1
04/28/15	22:00:00	94.2	1857.1	232.7	9.7	0.0	459.5
04/28/15	23:00:00	89.6	1857.2	215.9	9.7	0.0	459.9
04/29/15	00:00:00	87.2	1857.0	198.4	9.8	0.0	460.4
04/29/15	01:00:00	86.3	1857.3	184.5	9.9	0.0	460.8
04/29/15	02:00:00	83.3	1857.1	169.1	9.9	0.0	461.2
04/29/15	03:00:00	83.5	1857.0	156.5	9.9	0.0	461.6
04/29/15	04:00:00	82.7	1856.7	145.7	9.9	0.0	462.0
04/29/15	05:00:00	81.9	1856.6	136.1	9.9	0.0	462.4
04/29/15	06:00:00	81.4	1856.3	127.4	9.9	0.0	462.8
04/29/15	07:00:00	84.5	1856.3	122.5	9.8	0.0	463.2
04/29/15	08:00:00	85.7	1856.5	120.3	9.8	0.0	463.6
04/29/15	09:00:00	89.9	1856.0	120.2	9.7	0.0	464.0
04/29/15	10:00:00	95.6	1856.2	125.2	9.6	0.0	464.4
04/29/15	11:00:00	99.8	1856.3	133.4	9.5	0.0	464.8
04/29/15	12:00:00	104.0	1856.6	144.9	9.3	0.0	465.2
04/29/15	13:00:00	106.9	1857.2	158.6	9.4	0.0	465.6
04/29/15	14:00:00	109.8	1857.6	174.4	9.3	0.0	466.0
04/29/15	15:00:00	111.7	1858.3	191.7	9.3	0.0	466.4
04/29/15	16:00:00	113.2	1858.7	209.9	9.3	0.0	466.8
04/29/15	17:00:00	112.9	1859.0	226.5	9.3	0.0	467.2

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/29/15	18:00:00	111.9	1859.2	240.5	9.3	0.0	467.6
04/29/15	19:00:00	109.1	1859.7	249.7	9.3	0.0	467.9
04/29/15	20:00:00	103.6	1859.6	250.7	9.3	0.0	468.3
04/29/15	21:00:00	98.0	1859.8	241.7	9.4	0.0	468.7
04/29/15	22:00:00	95.4	1860.2	230.2	9.5	0.0	469.1
04/29/15	23:00:00	95.0	1860.5	221.3	9.6	0.0	469.5
04/30/15	00:00:00	92.4	1860.6	211.7	9.7	0.0	469.9
04/30/15	01:00:00	89.9	1860.5	201.6	9.7	0.0	470.3
04/30/15	02:00:00	86.5	1860.5	186.7	9.8	0.0	470.7
04/30/15	03:00:00	85.0	1860.5	173.2	9.8	0.0	471.1
04/30/15	04:00:00	83.7	1860.3	161.3	9.8	0.0	471.6
04/30/15	05:00:00	84.0	1860.0	150.2	9.8	0.0	472.0
04/30/15	06:00:00	84.3	1859.8	142.7	9.7	0.0	472.4
04/30/15	07:00:00	82.1	1859.5	134.1	9.7	0.0	472.8
04/30/15	08:00:00	85.4	1859.5	128.8	9.7	0.0	473.2
04/30/15	09:00:00	91.9	1859.2	129.8	9.5	0.0	473.6
04/30/15	10:00:00	97.6	1859.6	136.7	9.5	0.0	474.0
04/30/15	11:00:00	101.9	1859.7	146.8	9.4	0.0	474.4
04/30/15	12:00:00	106.3	1859.8	159.9	9.2	0.0	474.7
04/30/15	13:00:00	110.1	1860.3	176.7	9.2	0.0	475.1
04/30/15	14:00:00	113.6	1861.1	196.2	9.2	0.0	475.5
04/30/15	15:00:00	115.4	1861.9	218.4	9.2	0.0	475.9
04/30/15	16:00:00	116.3	1862.3	239.8	9.2	0.0	476.3
04/30/15	17:00:00	115.9	1862.7	259.0	9.2	0.0	476.7
04/30/15	18:00:00	115.3	1862.8	275.5	9.2	0.0	477.0
04/30/15	19:00:00	112.3	1863.1	286.8	9.1	0.0	477.4
04/30/15	20:00:00	109.8	1863.2	291.6	9.2	0.0	477.8
04/30/15	21:00:00	104.7	1863.5	290.7	9.3	0.0	478.2
04/30/15	22:00:00	101.4	1864.1	282.0	9.5	0.0	478.6
04/30/15	23:00:00	97.8	1864.3	271.9	9.5	0.0	479.0
05/01/15	00:00:00	97.2	1864.6	261.4	9.6	0.0	479.4

Monthly Statistics

February Average:	71.4	1638.8	38.8	2.7	0.0	February Monthly Total
February Minimum:	42.4	1615.3	20.2	0.0	0.0	38.6
February Maximum:	111.3	1672.5	85.7	6.4	5.0	
March Average:	83.6	1720.5	59.4	6.6	0.0	March Monthly Total
March Minimum:	49.5	1656.1	25.4	0.0	0.0	204.5
March Maximum:	117.6	1783.5	151.9	10.7	6.2	
April Average:	85.9	1810.4	98.2	7.9	0.0	April Monthly Total
April Minimum:	42.8	1739.6	39.0	0.0	0.0	236.2
April Maximum:	117.7	1864.8	293.3	12.2	9.8	

Notes:
1) Data are missing on 3/08/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
2) Data are missing on 4/03/15 at 08:00:00 hours because the DAS data recording system was down.
No data was being recorded during this period.

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/08/15	01:00:00	0.0	0.0
02/08/15	02:00:00	0.0	0.0
02/08/15	03:00:00	0.0	0.0
02/08/15	04:00:00	0.0	0.0
02/08/15	05:00:00	0.0	0.0
02/08/15	06:00:00	0.0	0.0
02/08/15	07:00:00	0.0	0.0
02/08/15	08:00:00	0.0	0.0
02/08/15	09:00:00	0.0	0.0
02/08/15	10:00:00	0.0	0.0
02/08/15	11:00:00	0.0	0.0
02/08/15	12:00:00	0.0	0.0
02/08/15	13:00:00	0.0	0.0
02/08/15	14:00:00	0.0	0.0
02/08/15	15:00:00	0.0	0.0
02/08/15	16:00:00	0.0	0.0
02/08/15	17:00:00	0.0	0.0
02/08/15	18:00:00	0.0	0.0
02/08/15	19:00:00	0.0	0.0
02/08/15	20:00:00	0.0	0.0
02/08/15	21:00:00	0.0	0.0
02/08/15	22:00:00	0.0	0.0
02/08/15	23:00:00	0.0	0.0
02/09/15	00:00:00	0.0	0.0
02/09/15	01:00:00	0.0	0.0
02/09/15	02:00:00	0.0	0.0
02/09/15	03:00:00	0.0	0.0
02/09/15	04:00:00	0.0	0.0
02/09/15	05:00:00	0.0	0.0
02/09/15	06:00:00	0.0	0.0
02/09/15	07:00:00	0.0	0.0
02/09/15	08:00:00	0.0	0.0
02/09/15	09:00:00	0.0	0.0
02/09/15	10:00:00	0.0	0.0
02/09/15	11:00:00	0.0	0.0
02/09/15	12:00:00	0.0	0.0
02/09/15	13:00:00	0.0	0.0
02/09/15	14:00:00	0.0	0.0
02/09/15	15:00:00	0.0	0.0
02/09/15	16:00:00	0.0	0.0
02/09/15	17:00:00	0.0	0.0
02/09/15	18:00:00	0.0	0.0
02/09/15	19:00:00	0.0	0.0
02/09/15	20:00:00	0.0	0.0
02/09/15	21:00:00	0.0	0.0
02/09/15	22:00:00	0.0	0.0
02/09/15	23:00:00	0.0	0.0
02/10/15	00:00:00	0.0	0.0
02/10/15	01:00:00	0.0	0.0
02/10/15	02:00:00	0.0	0.0
02/10/15	03:00:00	0.0	0.0
02/10/15	04:00:00	0.0	0.0
02/10/15	05:00:00	0.0	0.0
02/10/15	06:00:00	0.0	0.0
02/10/15	07:00:00	0.0	0.0
02/10/15	08:00:00	0.0	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/10/15	09:00:00	0.0	0.0
02/10/15	10:00:00	0.0	0.0
02/10/15	11:00:00	0.0	0.0
02/10/15	12:00:00	0.0	0.0
02/10/15	13:00:00	0.0	0.0
02/10/15	14:00:00	0.0	0.0
02/10/15	15:00:00	0.0	0.0
02/10/15	16:00:00	0.0	0.0
02/10/15	17:00:00	0.0	0.0
02/10/15	18:00:00	0.0	0.0
02/10/15	19:00:00	0.0	0.0
02/10/15	20:00:00	0.0	0.0
02/10/15	21:00:00	0.0	0.0
02/10/15	22:00:00	0.0	0.0
02/10/15	23:00:00	0.0	0.0
02/11/15	00:00:00	0.0	0.0
02/11/15	01:00:00	0.0	0.0
02/11/15	02:00:00	0.0	0.0
02/11/15	03:00:00	0.0	0.0
02/11/15	04:00:00	0.0	0.0
02/11/15	05:00:00	0.0	0.0
02/11/15	06:00:00	0.0	0.0
02/11/15	07:00:00	0.0	0.0
02/11/15	08:00:00	0.0	0.0
02/11/15	09:00:00	0.0	0.0
02/11/15	10:00:00	0.0	0.0
02/11/15	11:00:00	0.0	0.0
02/11/15	12:00:00	0.0	0.0
02/11/15	13:00:00	0.0	0.0
02/11/15	14:00:00	0.0	0.0
02/11/15	15:00:00	0.0	0.0
02/11/15	16:00:00	0.7	0.0
02/11/15	17:00:00	1.8	0.0
02/11/15	18:00:00	2.4	0.0
02/11/15	19:00:00	2.9	0.0
02/11/15	20:00:00	3.4	0.0
02/11/15	21:00:00	4.0	0.0
02/11/15	22:00:00	4.5	0.0
02/11/15	23:00:00	5.0	0.0
02/12/15	00:00:00	5.5	0.0
02/12/15	01:00:00	6.1	0.0
02/12/15	02:00:00	6.6	0.0
02/12/15	03:00:00	7.2	0.0
02/12/15	04:00:00	7.7	0.0
02/12/15	05:00:00	8.3	0.0
02/12/15	06:00:00	8.9	0.0
02/12/15	07:00:00	9.5	0.0
02/12/15	08:00:00	10.3	0.0
02/12/15	09:00:00	11.2	0.0
02/12/15	10:00:00	12.2	0.0
02/12/15	11:00:00	13.6	0.0
02/12/15	12:00:00	14.7	0.0
02/12/15	13:00:00	15.9	0.0
02/12/15	14:00:00	17.1	0.0
02/12/15	15:00:00	18.2	0.0
02/12/15	16:00:00	19.1	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/12/15	17:00:00	20.1	0.0
02/12/15	18:00:00	20.5	0.0
02/12/15	19:00:00	21.1	0.0
02/12/15	20:00:00	21.6	0.0
02/12/15	21:00:00	22.2	0.0
02/12/15	22:00:00	22.8	0.0
02/12/15	23:00:00	23.3	0.0
02/13/15	00:00:00	23.9	0.0
02/13/15	01:00:00	24.5	0.0
02/13/15	02:00:00	25.0	0.0
02/13/15	03:00:00	25.6	0.0
02/13/15	04:00:00	26.2	0.0
02/13/15	05:00:00	26.8	0.0
02/13/15	06:00:00	27.4	0.0
02/13/15	07:00:00	28.1	0.0
02/13/15	08:00:00	28.8	0.0
02/13/15	09:00:00	29.9	0.0
02/13/15	10:00:00	31.2	0.0
02/13/15	11:00:00	32.8	0.0
02/13/15	12:00:00	34.2	0.0
02/13/15	13:00:00	35.6	0.0
02/13/15	14:00:00	533.3	0.0
02/13/15	15:00:00	1684.1	0.0
02/13/15	16:00:00	1683.9	0.0
02/13/15	17:00:00	1664.3	1.1
02/13/15	18:00:00	1638.4	0.0
02/13/15	19:00:00	1637.7	0.0
02/13/15	20:00:00	1637.5	0.0
02/13/15	21:00:00	1637.4	0.0
02/13/15	22:00:00	1637.3	0.0
02/13/15	23:00:00	1637.2	0.0
02/14/15	00:00:00	1637.2	0.0
02/14/15	01:00:00	1637.2	0.0
02/14/15	02:00:00	1637.2	0.0
02/14/15	03:00:00	1637.2	0.0
02/14/15	04:00:00	1637.2	0.0
02/14/15	05:00:00	1637.2	0.0
02/14/15	06:00:00	1637.2	0.0
02/14/15	07:00:00	1637.2	0.0
02/14/15	08:00:00	1637.3	0.0
02/14/15	09:00:00	1637.4	0.0
02/14/15	10:00:00	1637.3	0.0
02/14/15	11:00:00	1637.4	0.0
02/14/15	12:00:00	1637.0	0.0
02/14/15	13:00:00	1637.2	0.0
02/14/15	14:00:00	1636.6	1.1
02/14/15	15:00:00	1630.8	2.3
02/14/15	16:00:00	1632.2	2.3
02/14/15	17:00:00	1631.9	1.9
02/14/15	18:00:00	1625.4	1.1
02/14/15	19:00:00	1626.4	1.3
02/14/15	20:00:00	1628.9	1.9
02/14/15	21:00:00	1629.3	1.8
02/14/15	22:00:00	1629.5	1.9
02/14/15	23:00:00	1629.8	1.9
02/15/15	00:00:00	1628.2	1.5

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/15/15	01:00:00	1629.3	1.9
02/15/15	02:00:00	1626.5	1.1
02/15/15	03:00:00	1627.3	1.7
02/15/15	04:00:00	1629.8	2.1
02/15/15	05:00:00	1630.0	2.1
02/15/15	06:00:00	1630.2	2.1
02/15/15	07:00:00	1630.5	2.1
02/15/15	08:00:00	1630.6	2.0
02/15/15	09:00:00	1630.1	1.9
02/15/15	10:00:00	1629.7	1.8
02/15/15	11:00:00	1629.0	1.6
02/15/15	12:00:00	1629.5	1.8
02/15/15	13:00:00	1629.6	1.8
02/15/15	14:00:00	1628.0	1.2
02/15/15	15:00:00	1627.5	1.5
02/15/15	16:00:00	1628.7	1.6
02/15/15	17:00:00	1629.1	1.7
02/15/15	18:00:00	1629.2	1.8
02/15/15	19:00:00	1629.3	1.8
02/15/15	20:00:00	1629.5	1.9
02/15/15	21:00:00	1629.8	1.9
02/15/15	22:00:00	1629.9	1.9
02/15/15	23:00:00	1630.0	1.9
02/16/15	00:00:00	1630.1	1.9
02/16/15	01:00:00	1630.1	1.9
02/16/15	02:00:00	1630.7	2.1
02/16/15	03:00:00	1631.0	2.1
02/16/15	04:00:00	1631.0	2.1
02/16/15	05:00:00	1631.0	2.1
02/16/15	06:00:00	1630.5	1.9
02/16/15	07:00:00	1630.8	2.0
02/16/15	08:00:00	1631.0	2.0
02/16/15	09:00:00	1630.6	1.9
02/16/15	10:00:00	1630.6	1.9
02/16/15	11:00:00	1630.5	1.8
02/16/15	12:00:00	1630.3	1.7
02/16/15	13:00:00	1630.4	1.6
02/16/15	14:00:00	1630.3	1.6
02/16/15	15:00:00	1630.2	1.6
02/16/15	16:00:00	1629.9	1.6
02/16/15	17:00:00	1630.3	1.7
02/16/15	18:00:00	1629.9	1.7
02/16/15	19:00:00	1630.1	1.8
02/16/15	20:00:00	1630.3	1.9
02/16/15	21:00:00	1630.6	1.9
02/16/15	22:00:00	1630.8	2.0
02/16/15	23:00:00	1631.2	2.0
02/17/15	00:00:00	1631.0	1.9
02/17/15	01:00:00	1630.8	1.9
02/17/15	02:00:00	1630.9	2.0
02/17/15	03:00:00	1631.1	2.0
02/17/15	04:00:00	1631.4	2.2
02/17/15	05:00:00	1631.7	2.2
02/17/15	06:00:00	1631.8	2.1
02/17/15	07:00:00	1625.5	0.0
02/17/15	08:00:00	1623.2	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/17/15	09:00:00	1621.8	0.0
02/17/15	10:00:00	1620.8	0.0
02/17/15	11:00:00	1620.0	0.0
02/17/15	12:00:00	1619.5	0.0
02/17/15	13:00:00	1618.9	0.0
02/17/15	14:00:00	1618.6	0.0
02/17/15	15:00:00	1618.3	0.0
02/17/15	16:00:00	1617.8	0.0
02/17/15	17:00:00	1617.8	0.0
02/17/15	18:00:00	1617.4	0.0
02/17/15	19:00:00	1617.3	0.0
02/17/15	20:00:00	1617.2	0.0
02/17/15	21:00:00	1617.1	0.0
02/17/15	22:00:00	1617.0	0.0
02/17/15	23:00:00	1616.8	0.0
02/18/15	00:00:00	1616.7	0.0
02/18/15	01:00:00	1616.6	0.0
02/18/15	02:00:00	1616.6	0.0
02/18/15	03:00:00	1616.5	0.0
02/18/15	04:00:00	1616.4	0.0
02/18/15	05:00:00	1616.4	0.0
02/18/15	06:00:00	1616.3	0.0
02/18/15	07:00:00	1616.2	0.0
02/18/15	08:00:00	1616.4	0.0
02/18/15	09:00:00	1616.3	0.0
02/18/15	10:00:00	1616.1	0.0
02/18/15	11:00:00	1616.0	0.0
02/18/15	12:00:00	1616.0	0.0
02/18/15	13:00:00	1616.0	0.0
02/18/15	14:00:00	1616.0	0.0
02/18/15	15:00:00	1616.2	0.0
02/18/15	16:00:00	1615.7	0.0
02/18/15	17:00:00	1615.9	0.0
02/18/15	18:00:00	1615.6	0.0
02/18/15	19:00:00	1615.6	0.1
02/18/15	20:00:00	1615.6	0.1
02/18/15	21:00:00	1615.7	0.0
02/18/15	22:00:00	1615.7	0.0
02/18/15	23:00:00	1621.0	1.4
02/19/15	00:00:00	1624.7	1.8
02/19/15	01:00:00	1624.9	1.4
02/19/15	02:00:00	1619.6	0.0
02/19/15	03:00:00	1618.6	0.0
02/19/15	04:00:00	1618.8	0.3
02/19/15	05:00:00	1625.0	1.8
02/19/15	06:00:00	1626.6	1.8
02/19/15	07:00:00	1627.6	1.8
02/19/15	08:00:00	1628.3	1.8
02/19/15	09:00:00	1628.7	1.8
02/19/15	10:00:00	1629.1	1.8
02/19/15	11:00:00	1629.5	1.8
02/19/15	12:00:00	1629.8	1.8
02/19/15	13:00:00	1630.0	1.8
02/19/15	14:00:00	1630.2	1.8
02/19/15	15:00:00	1630.4	1.8
02/19/15	16:00:00	1630.6	1.9

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/19/15	17:00:00	1630.7	1.9
02/19/15	18:00:00	1630.8	1.9
02/19/15	19:00:00	1630.9	1.9
02/19/15	20:00:00	1631.0	1.9
02/19/15	21:00:00	1631.1	1.9
02/19/15	22:00:00	1631.1	1.9
02/19/15	23:00:00	1631.2	1.9
02/20/15	00:00:00	1631.3	1.9
02/20/15	01:00:00	1631.4	1.9
02/20/15	02:00:00	1631.4	1.9
02/20/15	03:00:00	1631.4	1.9
02/20/15	04:00:00	1631.4	1.9
02/20/15	05:00:00	1631.5	1.9
02/20/15	06:00:00	1631.5	1.9
02/20/15	07:00:00	1631.5	1.9
02/20/15	08:00:00	1631.7	1.9
02/20/15	09:00:00	1631.7	1.9
02/20/15	10:00:00	1631.7	1.9
02/20/15	11:00:00	1626.8	0.1
02/20/15	12:00:00	1624.2	0.0
02/20/15	13:00:00	1622.8	0.0
02/20/15	14:00:00	1622.1	0.0
02/20/15	15:00:00	1621.5	0.0
02/20/15	16:00:00	1623.8	1.1
02/20/15	17:00:00	1628.6	2.0
02/20/15	18:00:00	1627.6	1.3
02/20/15	19:00:00	1622.9	0.0
02/20/15	20:00:00	1627.1	1.7
02/20/15	21:00:00	1629.6	2.0
02/20/15	22:00:00	1630.3	2.1
02/20/15	23:00:00	1630.9	2.1
02/21/15	00:00:00	1631.4	2.1
02/21/15	01:00:00	1631.8	2.1
02/21/15	02:00:00	1632.0	2.0
02/21/15	03:00:00	1632.3	2.1
02/21/15	04:00:00	1632.4	2.1
02/21/15	05:00:00	1632.5	2.1
02/21/15	06:00:00	1632.6	2.1
02/21/15	07:00:00	1632.7	2.1
02/21/15	08:00:00	1632.8	2.1
02/21/15	09:00:00	1632.9	2.1
02/21/15	10:00:00	1633.0	2.1
02/21/15	11:00:00	1633.1	2.1
02/21/15	12:00:00	1633.2	2.1
02/21/15	13:00:00	1633.3	2.0
02/21/15	14:00:00	1633.1	2.0
02/21/15	15:00:00	1632.7	1.8
02/21/15	16:00:00	1632.5	1.8
02/21/15	17:00:00	1632.8	1.9
02/21/15	18:00:00	1632.6	1.9
02/21/15	19:00:00	1632.5	1.9
02/21/15	20:00:00	1632.7	1.9
02/21/15	21:00:00	1632.7	2.0
02/21/15	22:00:00	1632.7	2.0
02/21/15	23:00:00	1632.7	2.0
02/22/15	00:00:00	1632.8	2.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/22/15	01:00:00	1632.9	2.0
02/22/15	02:00:00	1633.0	1.9
02/22/15	03:00:00	1633.0	1.9
02/22/15	04:00:00	1633.0	1.9
02/22/15	05:00:00	1632.9	2.0
02/22/15	06:00:00	1632.9	2.0
02/22/15	07:00:00	1632.9	2.0
02/22/15	08:00:00	1633.0	2.0
02/22/15	09:00:00	1633.0	2.0
02/22/15	10:00:00	1633.4	2.0
02/22/15	11:00:00	1633.4	1.9
02/22/15	12:00:00	1633.4	1.8
02/22/15	13:00:00	1633.7	1.9
02/22/15	14:00:00	1633.9	1.9
02/22/15	15:00:00	1634.0	1.9
02/22/15	16:00:00	1633.9	1.9
02/22/15	17:00:00	1634.2	2.0
02/22/15	18:00:00	1634.0	2.0
02/22/15	19:00:00	1634.1	2.0
02/22/15	20:00:00	1634.2	2.1
02/22/15	21:00:00	1634.3	2.1
02/22/15	22:00:00	1634.4	2.2
02/22/15	23:00:00	1634.4	2.2
02/23/15	00:00:00	1634.5	2.1
02/23/15	01:00:00	1634.5	2.1
02/23/15	02:00:00	1634.6	2.2
02/23/15	03:00:00	1634.6	2.2
02/23/15	04:00:00	1634.6	2.2
02/23/15	05:00:00	1634.6	2.2
02/23/15	06:00:00	1634.7	2.1
02/23/15	07:00:00	1634.7	2.1
02/23/15	08:00:00	1634.8	2.1
02/23/15	09:00:00	1634.9	2.1
02/23/15	10:00:00	1634.9	2.0
02/23/15	11:00:00	1634.9	2.0
02/23/15	12:00:00	1634.9	1.9
02/23/15	13:00:00	1635.1	1.9
02/23/15	14:00:00	1635.1	1.9
02/23/15	15:00:00	1637.3	2.7
02/23/15	16:00:00	1640.2	3.5
02/23/15	17:00:00	1641.8	3.6
02/23/15	18:00:00	1642.4	3.7
02/23/15	19:00:00	1642.8	3.6
02/23/15	20:00:00	1640.5	2.6
02/23/15	21:00:00	1640.9	3.1
02/23/15	22:00:00	1642.5	3.6
02/23/15	23:00:00	1642.8	3.6
02/24/15	00:00:00	1643.0	3.6
02/24/15	01:00:00	1643.0	3.5
02/24/15	02:00:00	1643.2	3.5
02/24/15	03:00:00	1643.2	3.5
02/24/15	04:00:00	1643.1	3.4
02/24/15	05:00:00	1643.2	3.4
02/24/15	06:00:00	1643.3	3.5
02/24/15	07:00:00	1643.3	3.5
02/24/15	08:00:00	1643.6	3.5

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/24/15	09:00:00	1643.5	3.4
02/24/15	10:00:00	1643.7	3.4
02/24/15	11:00:00	1643.7	3.4
02/24/15	12:00:00	1644.2	3.4
02/24/15	13:00:00	1645.0	3.6
02/24/15	14:00:00	1649.5	4.8
02/24/15	15:00:00	1650.7	4.8
02/24/15	16:00:00	1651.2	4.7
02/24/15	17:00:00	1652.5	4.8
02/24/15	18:00:00	1651.6	4.4
02/24/15	19:00:00	1652.2	4.7
02/24/15	20:00:00	1653.1	4.9
02/24/15	21:00:00	1653.3	4.8
02/24/15	22:00:00	1653.5	4.9
02/24/15	23:00:00	1653.7	4.8
02/25/15	00:00:00	1653.8	4.9
02/25/15	01:00:00	1654.1	5.0
02/25/15	02:00:00	1654.2	5.0
02/25/15	03:00:00	1654.2	5.0
02/25/15	04:00:00	1654.2	4.9
02/25/15	05:00:00	1654.1	4.9
02/25/15	06:00:00	1654.1	4.9
02/25/15	07:00:00	1654.1	4.9
02/25/15	08:00:00	1654.2	4.9
02/25/15	09:00:00	1654.3	4.9
02/25/15	10:00:00	1654.5	4.8
02/25/15	11:00:00	1650.5	3.4
02/25/15	12:00:00	1649.8	3.4
02/25/15	13:00:00	1648.7	2.7
02/25/15	14:00:00	1640.9	0.0
02/25/15	15:00:00	1638.3	0.0
02/25/15	16:00:00	1636.9	0.0
02/25/15	17:00:00	1636.0	0.1
02/25/15	18:00:00	1639.9	2.4
02/25/15	19:00:00	1646.3	4.3
02/25/15	20:00:00	1652.9	5.6
02/25/15	21:00:00	1654.7	5.5
02/25/15	22:00:00	1655.3	5.4
02/25/15	23:00:00	1656.0	5.3
02/26/15	00:00:00	1656.6	5.4
02/26/15	01:00:00	1657.4	5.5
02/26/15	02:00:00	1657.8	5.6
02/26/15	03:00:00	1658.0	5.5
02/26/15	04:00:00	1658.4	5.5
02/26/15	05:00:00	1658.5	5.6
02/26/15	06:00:00	1658.8	5.7
02/26/15	07:00:00	1659.0	5.6
02/26/15	08:00:00	1659.2	5.6
02/26/15	09:00:00	1659.2	5.5
02/26/15	10:00:00	1659.2	5.3
02/26/15	11:00:00	1659.3	5.2
02/26/15	12:00:00	1660.4	5.5
02/26/15	13:00:00	1657.6	4.2
02/26/15	14:00:00	1660.0	5.1
02/26/15	15:00:00	1647.7	0.0
02/26/15	16:00:00	1644.1	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/26/15	17:00:00	1642.4	0.0
02/26/15	18:00:00	1645.7	2.5
02/26/15	19:00:00	1655.3	5.4
02/26/15	20:00:00	1657.7	5.5
02/26/15	21:00:00	1659.0	5.5
02/26/15	22:00:00	1659.8	5.5
02/26/15	23:00:00	1660.6	5.5
02/27/15	00:00:00	1661.0	5.5
02/27/15	01:00:00	1661.5	5.5
02/27/15	02:00:00	1661.9	5.5
02/27/15	03:00:00	1662.4	5.6
02/27/15	04:00:00	1662.7	5.6
02/27/15	05:00:00	1662.9	5.6
02/27/15	06:00:00	1662.7	5.5
02/27/15	07:00:00	1661.2	4.8
02/27/15	08:00:00	1660.3	4.6
02/27/15	09:00:00	1662.3	5.4
02/27/15	10:00:00	1662.9	5.4
02/27/15	11:00:00	1663.3	5.4
02/27/15	12:00:00	1663.7	5.4
02/27/15	13:00:00	1664.1	5.4
02/27/15	14:00:00	1664.5	5.4
02/27/15	15:00:00	1665.1	5.5
02/27/15	16:00:00	1665.3	5.5
02/27/15	17:00:00	1665.8	5.6
02/27/15	18:00:00	1665.7	5.5
02/27/15	19:00:00	1665.8	5.6
02/27/15	20:00:00	1666.6	5.8
02/27/15	21:00:00	1666.9	5.8
02/27/15	22:00:00	1667.0	5.8
02/27/15	23:00:00	1667.2	5.8
02/28/15	00:00:00	1667.2	5.8
02/28/15	01:00:00	1667.3	5.7
02/28/15	02:00:00	1667.4	5.7
02/28/15	03:00:00	1665.2	4.9
02/28/15	04:00:00	1667.3	5.7
02/28/15	05:00:00	1667.4	5.7
02/28/15	06:00:00	1667.6	5.7
02/28/15	07:00:00	1667.8	5.7
02/28/15	08:00:00	1667.9	5.7
02/28/15	09:00:00	1668.0	5.6
02/28/15	10:00:00	1667.8	5.5
02/28/15	11:00:00	1668.0	5.5
02/28/15	12:00:00	1669.3	5.8
02/28/15	13:00:00	1669.9	6.0
02/28/15	14:00:00	1670.4	6.1
02/28/15	15:00:00	1671.2	6.1
02/28/15	16:00:00	1671.3	6.1
02/28/15	17:00:00	1671.5	6.2
02/28/15	18:00:00	1671.8	6.2
02/28/15	19:00:00	1672.1	6.2
02/28/15	20:00:00	1672.0	6.2
02/28/15	21:00:00	1672.1	6.2
02/28/15	22:00:00	1672.0	6.1
02/28/15	23:00:00	1672.0	6.0
03/01/15	00:00:00	1670.5	5.6

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/01/15	01:00:00	1671.8	6.1
03/01/15	02:00:00	1667.6	4.4
03/01/15	03:00:00	1665.7	4.1
03/01/15	04:00:00	1665.0	4.1
03/01/15	05:00:00	1664.7	4.1
03/01/15	06:00:00	1664.2	4.0
03/01/15	07:00:00	1664.1	4.1
03/01/15	08:00:00	1663.9	4.1
03/01/15	09:00:00	1667.5	5.5
03/01/15	10:00:00	1669.4	5.7
03/01/15	11:00:00	1669.8	5.6
03/01/15	12:00:00	1670.1	5.5
03/01/15	13:00:00	1670.9	5.7
03/01/15	14:00:00	1671.6	5.8
03/01/15	15:00:00	1672.1	5.8
03/01/15	16:00:00	1672.4	5.8
03/01/15	17:00:00	1672.8	5.8
03/01/15	18:00:00	1673.2	5.9
03/01/15	19:00:00	1673.7	6.0
03/01/15	20:00:00	1673.9	6.0
03/01/15	21:00:00	1674.1	6.0
03/01/15	22:00:00	1674.3	6.0
03/01/15	23:00:00	1674.5	6.1
03/02/15	00:00:00	1674.7	6.1
03/02/15	01:00:00	1675.0	6.2
03/02/15	02:00:00	1675.0	6.1
03/02/15	03:00:00	1675.2	6.1
03/02/15	04:00:00	1675.4	6.2
03/02/15	05:00:00	1675.6	6.1
03/02/15	06:00:00	1675.7	6.1
03/02/15	07:00:00	1675.9	6.1
03/02/15	08:00:00	1676.0	6.1
03/02/15	09:00:00	1676.2	6.0
03/02/15	10:00:00	1676.2	5.9
03/02/15	11:00:00	1676.5	6.0
03/02/15	12:00:00	1677.1	6.0
03/02/15	13:00:00	1677.3	6.0
03/02/15	14:00:00	1676.2	5.3
03/02/15	15:00:00	1671.3	3.7
03/02/15	16:00:00	1670.8	4.0
03/02/15	17:00:00	1676.1	5.9
03/02/15	18:00:00	1676.7	5.9
03/02/15	19:00:00	1677.0	6.0
03/02/15	20:00:00	1677.3	6.0
03/02/15	21:00:00	1677.6	6.0
03/02/15	22:00:00	1677.6	6.0
03/02/15	23:00:00	1677.7	6.0
03/03/15	00:00:00	1677.9	6.1
03/03/15	01:00:00	1678.1	6.1
03/03/15	02:00:00	1678.3	6.2
03/03/15	03:00:00	1678.1	6.1
03/03/15	04:00:00	1678.1	6.1
03/03/15	05:00:00	1678.1	6.0
03/03/15	06:00:00	1677.9	5.9
03/03/15	07:00:00	1676.7	5.6

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/03/15	08:00:00	1670.8	2.2
03/03/15	09:00:00	1663.8	0.0
03/03/15	10:00:00	1661.9	0.0
03/03/15	11:00:00	1660.6	0.0
03/03/15	12:00:00	1659.6	0.0
03/03/15	13:00:00	1659.0	0.0
03/03/15	14:00:00	1658.3	0.0
03/03/15	15:00:00	1657.7	0.1
03/03/15	16:00:00	1657.0	0.1
03/03/15	17:00:00	1657.9	0.9
03/03/15	18:00:00	1664.2	3.8
03/03/15	19:00:00	1668.2	5.0
03/03/15	20:00:00	1671.6	5.7
03/03/15	21:00:00	1672.7	5.8
03/03/15	22:00:00	1673.5	5.8
03/03/15	23:00:00	1674.1	5.8
03/04/15	00:00:00	1674.6	5.8
03/04/15	01:00:00	1675.3	6.0
03/04/15	02:00:00	1675.6	5.9
03/04/15	03:00:00	1674.6	5.4
03/04/15	04:00:00	1676.2	6.1
03/04/15	05:00:00	1676.6	6.1
03/04/15	06:00:00	1676.9	6.0
03/04/15	07:00:00	1677.0	6.0
03/04/15	08:00:00	1677.3	6.0
03/04/15	09:00:00	1677.4	6.0
03/04/15	10:00:00	1677.7	5.9
03/04/15	11:00:00	1678.0	5.8
03/04/15	12:00:00	1678.5	5.8
03/04/15	13:00:00	1678.9	5.8
03/04/15	14:00:00	1679.5	5.8
03/04/15	15:00:00	1680.1	5.8
03/04/15	16:00:00	1680.4	5.9
03/04/15	17:00:00	1680.9	5.9
03/04/15	18:00:00	1681.4	6.1
03/04/15	19:00:00	1681.8	6.2
03/04/15	20:00:00	1681.8	6.0
03/04/15	21:00:00	1682.1	6.1
03/04/15	22:00:00	1682.1	6.1
03/04/15	23:00:00	1682.1	6.0
03/05/15	00:00:00	1681.9	5.9
03/05/15	01:00:00	1682.0	6.0
03/05/15	02:00:00	1682.1	6.0
03/05/15	03:00:00	1682.1	6.0
03/05/15	04:00:00	1682.3	6.1
03/05/15	05:00:00	1682.3	6.1
03/05/15	06:00:00	1682.2	6.1
03/05/15	07:00:00	1682.2	6.1
03/05/15	08:00:00	1682.3	6.0
03/05/15	09:00:00	1682.4	5.9
03/05/15	10:00:00	1682.9	6.0
03/05/15	11:00:00	1683.1	6.0
03/05/15	12:00:00	1683.5	5.9
03/05/15	13:00:00	1683.7	5.8
03/05/15	14:00:00	1682.9	5.3
03/05/15	15:00:00	1684.7	5.9

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/05/15	16:00:00	1685.2	6.0
03/05/15	17:00:00	1685.7	6.1
03/05/15	18:00:00	1686.2	6.2
03/05/15	19:00:00	1686.6	6.2
03/05/15	20:00:00	1686.5	6.1
03/05/15	21:00:00	1686.4	6.0
03/05/15	22:00:00	1686.5	6.0
03/05/15	23:00:00	1686.5	6.1
03/06/15	00:00:00	1686.5	6.0
03/06/15	01:00:00	1686.4	6.0
03/06/15	02:00:00	1686.5	6.0
03/06/15	03:00:00	1686.6	6.1
03/06/15	04:00:00	1686.6	6.1
03/06/15	05:00:00	1686.7	6.1
03/06/15	06:00:00	1686.5	6.1
03/06/15	07:00:00	1686.5	6.1
03/06/15	08:00:00	1686.5	6.0
03/06/15	09:00:00	1686.1	5.8
03/06/15	10:00:00	1686.6	5.9
03/06/15	11:00:00	1687.1	6.0
03/06/15	12:00:00	1685.1	5.1
03/06/15	13:00:00	1687.5	5.8
03/06/15	14:00:00	1688.0	5.8
03/06/15	15:00:00	1688.5	5.8
03/06/15	16:00:00	1688.9	5.9
03/06/15	17:00:00	1689.4	5.9
03/06/15	18:00:00	1689.7	6.0
03/06/15	19:00:00	1690.1	6.1
03/06/15	20:00:00	1690.3	6.1
03/06/15	21:00:00	1690.4	6.1
03/06/15	22:00:00	1690.5	6.1
03/06/15	23:00:00	1690.4	6.0
03/07/15	00:00:00	1690.3	6.0
03/07/15	01:00:00	1690.4	6.1
03/07/15	02:00:00	1690.3	6.0
03/07/15	03:00:00	1690.3	6.1
03/07/15	04:00:00	1690.4	6.1
03/07/15	05:00:00	1690.3	6.1
03/07/15	06:00:00	1690.1	6.0
03/07/15	07:00:00	1690.0	6.0
03/07/15	08:00:00	1690.3	6.0
03/07/15	09:00:00	1690.3	5.9
03/07/15	10:00:00	1690.5	5.8
03/07/15	11:00:00	1690.7	5.8
03/07/15	12:00:00	1691.4	6.0
03/07/15	13:00:00	1692.0	6.0
03/07/15	14:00:00	1692.4	6.0
03/07/15	15:00:00	1692.8	5.9
03/07/15	16:00:00	1693.0	6.0
03/07/15	17:00:00	1693.3	6.0
03/07/15	18:00:00	1693.3	6.0
03/07/15	19:00:00	1693.7	6.1
03/07/15	20:00:00	1693.7	6.0
03/07/15	21:00:00	1693.8	6.0
03/07/15	22:00:00	1693.9	6.1
03/07/15	23:00:00	1693.8	6.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/08/15	00:00:00	1693.8	6.0
03/08/15	01:00:00	1693.8	6.0
03/08/15	02:00:00	(1)	(1)
03/08/15	03:00:00	1693.9	6.0
03/08/15	04:00:00	1693.7	6.0
03/08/15	05:00:00	1693.6	5.9
03/08/15	06:00:00	1693.6	6.0
03/08/15	07:00:00	1693.5	6.0
03/08/15	08:00:00	1693.5	6.1
03/08/15	09:00:00	1693.6	6.0
03/08/15	10:00:00	1693.5	5.9
03/08/15	11:00:00	1693.4	5.7
03/08/15	12:00:00	1693.9	5.8
03/08/15	13:00:00	1694.3	5.9
03/08/15	14:00:00	1694.8	5.8
03/08/15	15:00:00	1695.2	5.7
03/08/15	16:00:00	1695.8	5.9
03/08/15	17:00:00	1696.1	5.9
03/08/15	18:00:00	1696.5	6.0
03/08/15	19:00:00	1696.8	6.1
03/08/15	20:00:00	1696.8	6.0
03/08/15	21:00:00	1697.0	6.0
03/08/15	22:00:00	1697.2	6.1
03/08/15	23:00:00	1697.2	6.0
03/09/15	00:00:00	1697.2	6.0
03/09/15	01:00:00	1697.1	6.0
03/09/15	02:00:00	1697.0	5.9
03/09/15	03:00:00	1697.0	6.0
03/09/15	04:00:00	1697.1	6.0
03/09/15	05:00:00	1697.2	6.1
03/09/15	06:00:00	1697.1	6.1
03/09/15	07:00:00	1697.1	6.1
03/09/15	08:00:00	1697.1	6.0
03/09/15	09:00:00	1697.3	6.1
03/09/15	10:00:00	1697.3	5.9
03/09/15	11:00:00	1697.3	5.8
03/09/15	12:00:00	1697.5	5.8
03/09/15	13:00:00	1697.7	5.7
03/09/15	14:00:00	1698.1	5.7
03/09/15	15:00:00	1698.6	5.8
03/09/15	16:00:00	1699.1	5.9
03/09/15	17:00:00	1699.3	5.8
03/09/15	18:00:00	1699.8	5.9
03/09/15	19:00:00	1700.0	6.0
03/09/15	20:00:00	1699.9	5.9
03/09/15	21:00:00	1700.1	5.9
03/09/15	22:00:00	1700.5	6.1
03/09/15	23:00:00	1700.6	6.1
03/10/15	00:00:00	1700.6	6.1
03/10/15	01:00:00	1700.6	6.1
03/10/15	02:00:00	1700.6	6.1
03/10/15	03:00:00	1699.7	5.7
03/10/15	04:00:00	1699.3	5.7
03/10/15	05:00:00	1698.9	5.5
03/10/15	06:00:00	1698.9	5.5

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/10/15	07:00:00	1698.5	5.4
03/10/15	08:00:00	1698.0	5.0
03/10/15	09:00:00	1694.6	4.0
03/10/15	10:00:00	1698.8	5.8
03/10/15	11:00:00	1699.9	6.0
03/10/15	12:00:00	1699.3	5.5
03/10/15	13:00:00	1700.3	5.8
03/10/15	14:00:00	1700.9	5.8
03/10/15	15:00:00	1701.1	5.7
03/10/15	16:00:00	1702.2	6.1
03/10/15	17:00:00	1702.2	5.9
03/10/15	18:00:00	1702.3	5.8
03/10/15	19:00:00	1705.1	6.8
03/10/15	20:00:00	1708.2	7.7
03/10/15	21:00:00	1703.7	5.9
03/10/15	22:00:00	1701.5	5.0
03/10/15	23:00:00	1698.6	3.9
03/11/15	00:00:00	1700.4	5.1
03/11/15	01:00:00	1706.7	7.4
03/11/15	02:00:00	1703.5	5.9
03/11/15	03:00:00	1702.8	5.7
03/11/15	04:00:00	1704.9	6.5
03/11/15	05:00:00	1706.3	6.8
03/11/15	06:00:00	1703.3	5.7
03/11/15	07:00:00	1703.1	5.7
03/11/15	08:00:00	1701.2	4.8
03/11/15	09:00:00	1703.0	5.8
03/11/15	10:00:00	1703.8	6.0
03/11/15	11:00:00	1706.9	7.0
03/11/15	12:00:00	1708.4	7.2
03/11/15	13:00:00	1705.5	6.1
03/11/15	14:00:00	1705.6	6.1
03/11/15	15:00:00	1710.9	7.9
03/11/15	16:00:00	1708.2	6.6
03/11/15	17:00:00	1706.7	6.1
03/11/15	18:00:00	1707.0	6.2
03/11/15	19:00:00	1707.4	6.3
03/11/15	20:00:00	1707.5	6.4
03/11/15	21:00:00	1707.6	6.4
03/11/15	22:00:00	1707.3	6.3
03/11/15	23:00:00	1706.9	6.1
03/12/15	00:00:00	1707.0	6.2
03/12/15	01:00:00	1707.3	6.3
03/12/15	02:00:00	1707.6	6.4
03/12/15	03:00:00	1707.7	6.4
03/12/15	04:00:00	1707.7	6.4
03/12/15	05:00:00	1707.7	6.4
03/12/15	06:00:00	1707.7	6.4
03/12/15	07:00:00	1707.7	6.4
03/12/15	08:00:00	1707.9	6.5
03/12/15	09:00:00	1708.0	6.4
03/12/15	10:00:00	1707.9	6.2
03/12/15	11:00:00	1708.0	6.1
03/12/15	12:00:00	1708.4	6.2
03/12/15	13:00:00	1708.8	6.2
03/12/15	14:00:00	1709.1	6.2

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/12/15	15:00:00	1709.6	6.2
03/12/15	16:00:00	1709.9	6.2
03/12/15	17:00:00	1710.2	6.2
03/12/15	18:00:00	1710.4	6.2
03/12/15	19:00:00	1710.6	6.3
03/12/15	20:00:00	1710.8	6.3
03/12/15	21:00:00	1710.9	6.3
03/12/15	22:00:00	1711.0	6.3
03/12/15	23:00:00	1714.5	7.5
03/13/15	00:00:00	1716.3	8.0
03/13/15	01:00:00	1716.3	7.7
03/13/15	02:00:00	1710.2	5.5
03/13/15	03:00:00	1703.4	2.7
03/13/15	04:00:00	1714.1	7.6
03/13/15	05:00:00	1712.1	6.5
03/13/15	06:00:00	1710.2	5.9
03/13/15	07:00:00	1710.2	6.0
03/13/15	08:00:00	1710.2	6.0
03/13/15	09:00:00	1710.2	5.9
03/13/15	10:00:00	1710.1	5.8
03/13/15	11:00:00	1711.2	6.1
03/13/15	12:00:00	1715.2	7.4
03/13/15	13:00:00	1713.3	6.6
03/13/15	14:00:00	1716.9	7.6
03/13/15	15:00:00	1717.4	7.4
03/13/15	16:00:00	1718.9	7.7
03/13/15	17:00:00	1719.4	7.8
03/13/15	18:00:00	1719.9	7.8
03/13/15	19:00:00	1719.2	7.5
03/13/15	20:00:00	1720.9	8.0
03/13/15	21:00:00	1721.1	7.9
03/13/15	22:00:00	1720.7	7.8
03/13/15	23:00:00	1718.0	6.7
03/14/15	00:00:00	1717.6	6.7
03/14/15	01:00:00	1721.1	7.9
03/14/15	02:00:00	1720.8	7.7
03/14/15	03:00:00	1720.8	7.7
03/14/15	04:00:00	1721.5	7.9
03/14/15	05:00:00	1721.1	7.8
03/14/15	06:00:00	1721.4	7.8
03/14/15	07:00:00	1722.1	8.0
03/14/15	08:00:00	1722.1	8.0
03/14/15	09:00:00	1722.1	7.9
03/14/15	10:00:00	1721.8	7.7
03/14/15	11:00:00	1722.3	7.7
03/14/15	12:00:00	1722.4	7.6
03/14/15	13:00:00	1723.0	7.7
03/14/15	14:00:00	1724.1	7.8
03/14/15	15:00:00	1715.8	4.2
03/14/15	16:00:00	1713.0	3.4
03/14/15	17:00:00	1712.1	3.4
03/14/15	18:00:00	1711.7	3.6
03/14/15	19:00:00	1714.0	4.9
03/14/15	20:00:00	1716.0	5.6
03/14/15	21:00:00	1716.3	5.7
03/14/15	22:00:00	1716.6	5.8

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/14/15	23:00:00	1716.0	5.5
03/15/15	00:00:00	1716.9	6.1
03/15/15	01:00:00	1716.1	5.6
03/15/15	02:00:00	1716.7	6.0
03/15/15	03:00:00	1716.8	6.0
03/15/15	04:00:00	1716.7	6.0
03/15/15	05:00:00	1716.7	5.9
03/15/15	06:00:00	1716.7	6.0
03/15/15	07:00:00	1716.8	6.0
03/15/15	08:00:00	1716.8	6.0
03/15/15	09:00:00	1715.5	5.4
03/15/15	10:00:00	1713.9	4.8
03/15/15	11:00:00	1717.1	6.1
03/15/15	12:00:00	1712.4	3.9
03/15/15	13:00:00	1708.8	2.1
03/15/15	14:00:00	1708.3	2.3
03/15/15	15:00:00	1714.3	5.5
03/15/15	16:00:00	1713.3	4.9
03/15/15	17:00:00	1716.1	5.9
03/15/15	18:00:00	1716.5	5.9
03/15/15	19:00:00	1716.8	6.0
03/15/15	20:00:00	1717.1	6.1
03/15/15	21:00:00	1717.2	6.1
03/15/15	22:00:00	1717.3	6.1
03/15/15	23:00:00	1717.4	6.2
03/16/15	00:00:00	1717.5	6.2
03/16/15	01:00:00	1717.4	6.1
03/16/15	02:00:00	1714.2	4.6
03/16/15	03:00:00	1715.0	5.3
03/16/15	04:00:00	1716.9	6.1
03/16/15	05:00:00	1717.1	6.1
03/16/15	06:00:00	1717.2	6.1
03/16/15	07:00:00	1717.2	6.1
03/16/15	08:00:00	1717.3	6.1
03/16/15	09:00:00	1717.3	6.1
03/16/15	10:00:00	1717.5	6.1
03/16/15	11:00:00	1717.7	6.1
03/16/15	12:00:00	1717.9	6.1
03/16/15	13:00:00	1718.0	6.0
03/16/15	14:00:00	1717.4	5.5
03/16/15	15:00:00	1724.1	7.9
03/16/15	16:00:00	1720.6	5.9
03/16/15	17:00:00	1725.3	8.1
03/16/15	18:00:00	1726.0	8.1
03/16/15	19:00:00	1726.6	8.1
03/16/15	20:00:00	1726.6	7.9
03/16/15	21:00:00	1727.2	8.1
03/16/15	22:00:00	1727.6	8.2
03/16/15	23:00:00	1727.8	8.2
03/17/15	00:00:00	1727.9	8.2
03/17/15	01:00:00	1728.2	8.2
03/17/15	02:00:00	1728.5	8.2
03/17/15	03:00:00	1728.3	8.1
03/17/15	04:00:00	1728.5	8.1
03/17/15	05:00:00	1728.7	8.1
03/17/15	06:00:00	1728.8	8.1

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/17/15	07:00:00	1728.9	8.1
03/17/15	08:00:00	1729.0	8.2
03/17/15	09:00:00	1729.3	8.1
03/17/15	10:00:00	1729.4	8.0
03/17/15	11:00:00	1729.7	8.0
03/17/15	12:00:00	1730.0	8.0
03/17/15	13:00:00	1730.5	8.0
03/17/15	14:00:00	1731.3	8.1
03/17/15	15:00:00	1731.8	8.1
03/17/15	16:00:00	1732.1	8.1
03/17/15	17:00:00	1732.3	8.0
03/17/15	18:00:00	1732.6	8.0
03/17/15	19:00:00	1732.9	8.0
03/17/15	20:00:00	1733.2	8.2
03/17/15	21:00:00	1733.2	8.1
03/17/15	22:00:00	1732.9	8.0
03/17/15	23:00:00	1733.2	8.1
03/18/15	00:00:00	1733.3	8.1
03/18/15	01:00:00	1733.4	8.2
03/18/15	02:00:00	1732.8	8.0
03/18/15	03:00:00	1732.2	7.8
03/18/15	04:00:00	1732.9	8.2
03/18/15	05:00:00	1733.0	8.2
03/18/15	06:00:00	1732.8	8.1
03/18/15	07:00:00	1727.6	6.2
03/18/15	08:00:00	1726.9	6.1
03/18/15	09:00:00	1725.0	5.2
03/18/15	10:00:00	1722.6	4.2
03/18/15	11:00:00	1726.3	6.1
03/18/15	12:00:00	1726.6	6.1
03/18/15	13:00:00	1726.8	6.0
03/18/15	14:00:00	1727.3	6.1
03/18/15	15:00:00	1727.7	6.2
03/18/15	16:00:00	1728.1	6.2
03/18/15	17:00:00	1728.3	6.2
03/18/15	18:00:00	1728.4	6.2
03/18/15	19:00:00	1727.8	6.0
03/18/15	20:00:00	1728.1	6.2
03/18/15	21:00:00	1728.3	6.3
03/18/15	22:00:00	1728.4	6.4
03/18/15	23:00:00	1728.4	6.4
03/19/15	00:00:00	1728.4	6.4
03/19/15	01:00:00	1728.3	6.3
03/19/15	02:00:00	1728.2	6.4
03/19/15	03:00:00	1728.2	6.4
03/19/15	04:00:00	1728.2	6.4
03/19/15	05:00:00	1728.1	6.5
03/19/15	06:00:00	1728.0	6.5
03/19/15	07:00:00	1727.2	6.2
03/19/15	08:00:00	1726.4	5.7
03/19/15	09:00:00	1719.4	2.2
03/19/15	10:00:00	1719.8	3.0
03/19/15	11:00:00	1723.4	5.1
03/19/15	12:00:00	1726.2	6.1
03/19/15	13:00:00	1726.8	6.1
03/19/15	14:00:00	1727.6	6.3

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/19/15	15:00:00	1728.1	6.2
03/19/15	16:00:00	1727.6	5.8
03/19/15	17:00:00	1723.1	3.8
03/19/15	18:00:00	1726.2	5.3
03/19/15	19:00:00	1728.4	6.2
03/19/15	20:00:00	1728.6	6.2
03/19/15	21:00:00	1728.9	6.2
03/19/15	22:00:00	1729.1	6.3
03/19/15	23:00:00	1729.2	6.2
03/20/15	00:00:00	1729.1	6.3
03/20/15	01:00:00	1727.8	5.6
03/20/15	02:00:00	1724.3	4.2
03/20/15	03:00:00	1728.6	6.4
03/20/15	04:00:00	1728.8	6.4
03/20/15	05:00:00	1728.8	6.4
03/20/15	06:00:00	1728.9	6.4
03/20/15	07:00:00	1728.9	6.4
03/20/15	08:00:00	1729.1	6.5
03/20/15	09:00:00	1729.4	6.5
03/20/15	10:00:00	1729.0	6.1
03/20/15	11:00:00	1728.5	5.8
03/20/15	12:00:00	1726.7	5.0
03/20/15	13:00:00	1729.6	6.1
03/20/15	14:00:00	1729.9	6.2
03/20/15	15:00:00	1730.5	6.3
03/20/15	16:00:00	1730.9	6.3
03/20/15	17:00:00	1731.3	6.4
03/20/15	18:00:00	1731.5	6.4
03/20/15	19:00:00	1731.7	6.4
03/20/15	20:00:00	1731.7	6.4
03/20/15	21:00:00	1731.7	6.4
03/20/15	22:00:00	1731.7	6.4
03/20/15	23:00:00	1731.8	6.4
03/21/15	00:00:00	1731.8	6.5
03/21/15	01:00:00	1731.8	6.4
03/21/15	02:00:00	1731.8	6.4
03/21/15	03:00:00	1731.8	6.4
03/21/15	04:00:00	1731.9	6.4
03/21/15	05:00:00	1731.8	6.4
03/21/15	06:00:00	1731.9	6.4
03/21/15	07:00:00	1732.0	6.4
03/21/15	08:00:00	1731.9	6.4
03/21/15	09:00:00	1731.5	6.1
03/21/15	10:00:00	1731.7	6.2
03/21/15	11:00:00	1732.2	6.3
03/21/15	12:00:00	1732.6	6.4
03/21/15	13:00:00	1732.8	6.3
03/21/15	14:00:00	1733.1	6.2
03/21/15	15:00:00	1733.6	6.3
03/21/15	16:00:00	1733.7	6.3
03/21/15	17:00:00	1733.0	5.9
03/21/15	18:00:00	1734.1	6.3
03/21/15	19:00:00	1734.4	6.4
03/21/15	20:00:00	1734.4	6.4
03/21/15	21:00:00	1734.6	6.4
03/21/15	22:00:00	1734.7	6.4

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/21/15	23:00:00	1734.6	6.4
03/22/15	00:00:00	1734.7	6.5
03/22/15	01:00:00	1734.7	6.4
03/22/15	02:00:00	1734.7	6.4
03/22/15	03:00:00	1734.7	6.5
03/22/15	04:00:00	1734.7	6.5
03/22/15	05:00:00	1734.7	6.5
03/22/15	06:00:00	1734.6	6.4
03/22/15	07:00:00	1734.5	6.4
03/22/15	08:00:00	1734.7	6.4
03/22/15	09:00:00	1734.8	6.4
03/22/15	10:00:00	1735.1	6.4
03/22/15	11:00:00	1735.2	6.5
03/22/15	12:00:00	1735.2	6.4
03/22/15	13:00:00	1735.6	6.4
03/22/15	14:00:00	1735.7	6.3
03/22/15	15:00:00	1735.5	6.0
03/22/15	16:00:00	1736.1	6.3
03/22/15	17:00:00	1736.4	6.4
03/22/15	18:00:00	1736.6	6.4
03/22/15	19:00:00	1736.8	6.5
03/22/15	20:00:00	1736.7	6.4
03/22/15	21:00:00	1736.7	6.4
03/22/15	22:00:00	1736.7	6.4
03/22/15	23:00:00	1736.8	6.4
03/23/15	00:00:00	1736.7	6.4
03/23/15	01:00:00	1736.7	6.5
03/23/15	02:00:00	1736.5	6.4
03/23/15	03:00:00	1736.5	6.3
03/23/15	04:00:00	1736.8	6.5
03/23/15	05:00:00	1736.8	6.4
03/23/15	06:00:00	1736.5	6.4
03/23/15	07:00:00	1736.4	6.3
03/23/15	08:00:00	1735.5	5.9
03/23/15	09:00:00	1736.7	6.4
03/23/15	10:00:00	1737.0	6.5
03/23/15	11:00:00	1737.2	6.5
03/23/15	12:00:00	1737.5	6.5
03/23/15	13:00:00	1737.6	6.4
03/23/15	14:00:00	1737.9	6.5
03/23/15	15:00:00	1738.1	6.4
03/23/15	16:00:00	1738.4	6.4
03/23/15	17:00:00	1738.6	6.5
03/23/15	18:00:00	1738.9	6.5
03/23/15	19:00:00	1739.0	6.5
03/23/15	20:00:00	1739.0	6.6
03/23/15	21:00:00	1738.9	6.5
03/23/15	22:00:00	1738.8	6.5
03/23/15	23:00:00	1738.9	6.5
03/24/15	00:00:00	1738.9	6.5
03/24/15	01:00:00	1738.9	6.5
03/24/15	02:00:00	1738.7	6.5
03/24/15	03:00:00	1738.7	6.4
03/24/15	04:00:00	1738.7	6.5
03/24/15	05:00:00	1738.8	6.4
03/24/15	06:00:00	1738.6	6.4

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/24/15	07:00:00	1738.6	6.4
03/24/15	08:00:00	1738.7	6.4
03/24/15	09:00:00	1738.9	6.4
03/24/15	10:00:00	1739.1	6.4
03/24/15	11:00:00	1739.4	6.4
03/24/15	12:00:00	1739.5	6.3
03/24/15	13:00:00	1739.8	6.3
03/24/15	14:00:00	1740.0	6.3
03/24/15	15:00:00	1740.4	6.3
03/24/15	16:00:00	1740.5	6.3
03/24/15	17:00:00	1740.8	6.4
03/24/15	18:00:00	1740.9	6.4
03/24/15	19:00:00	1741.0	6.4
03/24/15	20:00:00	1738.3	5.0
03/24/15	21:00:00	1740.8	6.4
03/24/15	22:00:00	1741.0	6.4
03/24/15	23:00:00	1741.1	6.5
03/25/15	00:00:00	1741.0	6.4
03/25/15	01:00:00	1741.0	6.4
03/25/15	02:00:00	1740.9	6.4
03/25/15	03:00:00	1741.0	6.4
03/25/15	04:00:00	1741.0	6.4
03/25/15	05:00:00	1741.0	6.4
03/25/15	06:00:00	1740.5	6.2
03/25/15	07:00:00	1739.9	6.0
03/25/15	08:00:00	1740.4	6.3
03/25/15	09:00:00	1740.1	6.0
03/25/15	10:00:00	1740.2	5.8
03/25/15	11:00:00	1730.5	0.0
03/25/15	12:00:00	1729.0	0.0
03/25/15	13:00:00	1728.1	0.0
03/25/15	14:00:00	1727.4	0.0
03/25/15	15:00:00	1726.8	0.0
03/25/15	16:00:00	1726.2	0.0
03/25/15	17:00:00	1726.2	0.6
03/25/15	18:00:00	1728.5	2.4
03/25/15	19:00:00	1727.6	1.9
03/25/15	20:00:00	1727.2	1.7
03/25/15	21:00:00	1734.2	5.4
03/25/15	22:00:00	1745.6	9.4
03/25/15	23:00:00	1747.0	9.5
03/26/15	00:00:00	1748.4	9.6
03/26/15	01:00:00	1749.2	9.6
03/26/15	02:00:00	1746.8	8.6
03/26/15	03:00:00	1749.9	9.5
03/26/15	04:00:00	1751.8	9.9
03/26/15	05:00:00	1752.8	10.1
03/26/15	06:00:00	1753.1	10.0
03/26/15	07:00:00	1752.8	9.8
03/26/15	08:00:00	1753.5	9.9
03/26/15	09:00:00	1753.8	9.8
03/26/15	10:00:00	1752.0	8.9
03/26/15	11:00:00	1747.0	6.9
03/26/15	12:00:00	1754.5	9.5
03/26/15	13:00:00	1755.6	9.4
03/26/15	14:00:00	1751.5	7.8

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/26/15	15:00:00	1753.6	8.4
03/26/15	16:00:00	1757.4	9.4
03/26/15	17:00:00	1758.6	9.5
03/26/15	18:00:00	1759.3	9.6
03/26/15	19:00:00	1760.2	9.6
03/26/15	20:00:00	1760.5	9.6
03/26/15	21:00:00	1760.8	9.6
03/26/15	22:00:00	1761.3	9.7
03/26/15	23:00:00	1761.7	9.8
03/27/15	00:00:00	1762.1	9.9
03/27/15	01:00:00	1762.1	9.9
03/27/15	02:00:00	1762.3	9.9
03/27/15	03:00:00	1762.3	9.9
03/27/15	04:00:00	1762.1	9.9
03/27/15	05:00:00	1762.2	9.9
03/27/15	06:00:00	1762.3	9.9
03/27/15	07:00:00	1762.4	10.0
03/27/15	08:00:00	1762.8	10.1
03/27/15	09:00:00	1762.9	10.0
03/27/15	10:00:00	1763.4	9.9
03/27/15	11:00:00	1763.7	9.8
03/27/15	12:00:00	1764.4	9.8
03/27/15	13:00:00	1764.8	9.7
03/27/15	14:00:00	1764.8	9.5
03/27/15	15:00:00	1765.3	9.4
03/27/15	16:00:00	1765.9	9.5
03/27/15	17:00:00	1766.8	9.7
03/27/15	18:00:00	1767.6	9.8
03/27/15	19:00:00	1768.2	9.8
03/27/15	20:00:00	1768.2	9.9
03/27/15	21:00:00	1768.3	9.9
03/27/15	22:00:00	1768.3	9.9
03/27/15	23:00:00	1768.5	10.0
03/28/15	00:00:00	1768.5	10.0
03/28/15	01:00:00	1768.7	10.1
03/28/15	02:00:00	1768.5	10.0
03/28/15	03:00:00	1768.7	10.1
03/28/15	04:00:00	1768.7	10.1
03/28/15	05:00:00	1768.8	10.1
03/28/15	06:00:00	1768.8	10.1
03/28/15	07:00:00	1768.8	10.1
03/28/15	08:00:00	1769.3	10.3
03/28/15	09:00:00	1768.8	10.1
03/28/15	10:00:00	1768.7	9.9
03/28/15	11:00:00	1768.6	9.8
03/28/15	12:00:00	1769.6	10.0
03/28/15	13:00:00	1769.9	9.8
03/28/15	14:00:00	1770.2	9.7
03/28/15	15:00:00	1770.7	9.7
03/28/15	16:00:00	1771.3	9.7
03/28/15	17:00:00	1772.1	9.8
03/28/15	18:00:00	1772.6	9.8
03/28/15	19:00:00	1773.3	9.9
03/28/15	20:00:00	1773.4	10.0
03/28/15	21:00:00	1771.8	9.0
03/28/15	22:00:00	1753.8	1.5

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/28/15	23:00:00	1762.9	7.2
03/29/15	00:00:00	1765.0	8.0
03/29/15	01:00:00	1765.0	8.0
03/29/15	02:00:00	1765.3	8.2
03/29/15	03:00:00	1765.3	8.3
03/29/15	04:00:00	1765.2	8.3
03/29/15	05:00:00	1765.1	8.3
03/29/15	06:00:00	1764.7	8.3
03/29/15	07:00:00	1764.6	8.3
03/29/15	08:00:00	1764.7	8.4
03/29/15	09:00:00	1764.3	8.2
03/29/15	10:00:00	1764.3	8.0
03/29/15	11:00:00	1764.6	7.9
03/29/15	12:00:00	1765.0	7.9
03/29/15	13:00:00	1765.4	7.9
03/29/15	14:00:00	1766.1	8.0
03/29/15	15:00:00	1766.6	8.0
03/29/15	16:00:00	1766.6	7.9
03/29/15	17:00:00	1767.0	7.9
03/29/15	18:00:00	1767.3	7.9
03/29/15	19:00:00	1767.9	8.0
03/29/15	20:00:00	1767.8	8.1
03/29/15	21:00:00	1768.1	8.2
03/29/15	22:00:00	1768.1	8.2
03/29/15	23:00:00	1768.1	8.3
03/30/15	00:00:00	1768.0	8.3
03/30/15	01:00:00	1767.7	8.2
03/30/15	02:00:00	1767.8	8.3
03/30/15	03:00:00	1767.8	8.3
03/30/15	04:00:00	1767.8	8.4
03/30/15	05:00:00	1767.3	8.2
03/30/15	06:00:00	1767.1	8.2
03/30/15	07:00:00	1767.1	8.3
03/30/15	08:00:00	1767.1	8.3
03/30/15	09:00:00	1767.0	8.1
03/30/15	10:00:00	1765.5	7.4
03/30/15	11:00:00	1772.7	9.7
03/30/15	12:00:00	1774.0	9.8
03/30/15	13:00:00	1774.8	9.8
03/30/15	14:00:00	1775.6	9.7
03/30/15	15:00:00	1776.5	9.8
03/30/15	16:00:00	1776.9	9.7
03/30/15	17:00:00	1777.3	9.7
03/30/15	18:00:00	1777.8	9.7
03/30/15	19:00:00	1778.5	9.9
03/30/15	20:00:00	1779.0	9.9
03/30/15	21:00:00	1779.1	10.0
03/30/15	22:00:00	1777.9	9.6
03/30/15	23:00:00	1772.9	8.2
03/31/15	00:00:00	1772.9	8.3
03/31/15	01:00:00	1773.0	8.5
03/31/15	02:00:00	1773.4	8.6
03/31/15	03:00:00	1773.2	8.6
03/31/15	04:00:00	1773.3	8.6
03/31/15	05:00:00	1773.1	8.6
03/31/15	06:00:00	1772.9	8.6

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/31/15	07:00:00	1772.7	8.5
03/31/15	08:00:00	1772.6	8.5
03/31/15	09:00:00	1772.7	8.5
03/31/15	10:00:00	1772.8	8.5
03/31/15	11:00:00	1772.7	8.4
03/31/15	12:00:00	1773.0	8.4
03/31/15	13:00:00	1773.2	8.3
03/31/15	14:00:00	1773.4	8.2
03/31/15	15:00:00	1773.7	8.3
03/31/15	16:00:00	1774.0	8.3
03/31/15	17:00:00	1774.3	8.3
03/31/15	18:00:00	1774.5	8.3
03/31/15	19:00:00	1774.9	8.4
03/31/15	20:00:00	1774.9	8.5
03/31/15	21:00:00	1775.0	8.5
03/31/15	22:00:00	1775.0	8.6
03/31/15	23:00:00	1775.1	8.7
04/01/15	00:00:00	1775.0	8.7
04/01/15	01:00:00	1774.9	8.7
04/01/15	02:00:00	1774.6	8.6
04/01/15	03:00:00	1774.5	8.6
04/01/15	04:00:00	1774.5	8.8
04/01/15	05:00:00	1774.4	8.7
04/01/15	06:00:00	1774.2	8.7
04/01/15	07:00:00	1774.1	8.8
04/01/15	08:00:00	1759.1	0.3
04/01/15	09:00:00	1756.8	0.0
04/01/15	10:00:00	1755.8	0.0
04/01/15	11:00:00	1754.9	0.0
04/01/15	12:00:00	1754.1	0.0
04/01/15	13:00:00	1753.4	0.0
04/01/15	14:00:00	1752.8	0.0
04/01/15	15:00:00	1752.2	0.0
04/01/15	16:00:00	1751.5	0.0
04/01/15	17:00:00	1751.0	0.0
04/01/15	18:00:00	1750.5	0.0
04/01/15	19:00:00	1750.2	0.0
04/01/15	20:00:00	1749.6	0.0
04/01/15	21:00:00	1749.3	0.0
04/01/15	22:00:00	1748.9	0.0
04/01/15	23:00:00	1748.6	0.0
04/02/15	00:00:00	1748.2	0.0
04/02/15	01:00:00	1747.9	0.0
04/02/15	02:00:00	1747.6	0.0
04/02/15	03:00:00	1747.3	0.0
04/02/15	04:00:00	1747.0	0.0
04/02/15	05:00:00	1746.7	0.0
04/02/15	06:00:00	1746.5	0.0
04/02/15	07:00:00	1746.3	0.0
04/02/15	08:00:00	1746.0	0.0
04/02/15	09:00:00	1745.8	0.0
04/02/15	10:00:00	1745.6	0.0
04/02/15	11:00:00	1745.3	0.0
04/02/15	12:00:00	1745.0	0.0
04/02/15	13:00:00	1744.8	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/02/15	14:00:00	1744.6	0.0
04/02/15	15:00:00	1744.4	0.0
04/02/15	16:00:00	1744.2	0.0
04/02/15	17:00:00	1744.0	0.0
04/02/15	18:00:00	1743.9	0.0
04/02/15	19:00:00	1743.9	0.0
04/02/15	20:00:00	1743.5	0.0
04/02/15	21:00:00	1743.4	0.0
04/02/15	22:00:00	1743.3	0.0
04/02/15	23:00:00	1743.2	0.0
04/03/15	00:00:00	1743.1	0.0
04/03/15	01:00:00	1743.0	0.0
04/03/15	02:00:00	1742.8	0.0
04/03/15	03:00:00	1742.7	0.0
04/03/15	04:00:00	1742.6	0.0
04/03/15	05:00:00	1742.5	0.0
04/03/15	06:00:00	1742.5	0.0
04/03/15	07:00:00	1742.3	0.0
04/03/15	08:00:00	(2)	0.0
04/03/15	09:00:00	1742.0	0.1
04/03/15	10:00:00	1742.2	0.0
04/03/15	11:00:00	1762.1	9.6
04/03/15	12:00:00	1764.5	9.8
04/03/15	13:00:00	1765.9	9.7
04/03/15	14:00:00	1767.3	9.7
04/03/15	15:00:00	1768.4	9.6
04/03/15	16:00:00	1767.8	8.8
04/03/15	17:00:00	1769.3	9.2
04/03/15	18:00:00	1771.3	9.5
04/03/15	19:00:00	1772.5	9.6
04/03/15	20:00:00	1772.9	9.7
04/03/15	21:00:00	1773.9	9.8
04/03/15	22:00:00	1775.0	10.0
04/03/15	23:00:00	1775.7	10.2
04/04/15	00:00:00	1775.8	10.2
04/04/15	01:00:00	1775.9	10.1
04/04/15	02:00:00	1776.0	10.0
04/04/15	03:00:00	1776.4	10.0
04/04/15	04:00:00	1776.6	10.0
04/04/15	05:00:00	1776.9	10.1
04/04/15	06:00:00	1776.9	10.0
04/04/15	07:00:00	1776.8	10.0
04/04/15	08:00:00	1777.0	9.9
04/04/15	09:00:00	1777.0	9.8
04/04/15	10:00:00	1777.8	9.9
04/04/15	11:00:00	1778.7	9.9
04/04/15	12:00:00	1778.4	9.6
04/04/15	13:00:00	1778.6	9.5
04/04/15	14:00:00	1779.3	9.5
04/04/15	15:00:00	1779.8	9.4
04/04/15	16:00:00	1780.4	9.4
04/04/15	17:00:00	1778.3	8.6
04/04/15	18:00:00	1779.8	9.2
04/04/15	19:00:00	1782.0	9.8
04/04/15	20:00:00	1781.9	9.6

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/04/15	21:00:00	1782.7	9.9
04/04/15	22:00:00	1782.9	9.9
04/04/15	23:00:00	1783.1	9.9
04/05/15	00:00:00	1783.6	10.1
04/05/15	01:00:00	1783.6	10.0
04/05/15	02:00:00	1783.5	10.0
04/05/15	03:00:00	1783.8	10.0
04/05/15	04:00:00	1783.8	10.0
04/05/15	05:00:00	1783.7	10.0
04/05/15	06:00:00	1783.7	10.0
04/05/15	07:00:00	1783.6	10.0
04/05/15	08:00:00	1784.2	10.2
04/05/15	09:00:00	1783.9	10.0
04/05/15	10:00:00	1783.8	9.8
04/05/15	11:00:00	1784.0	9.6
04/05/15	12:00:00	1784.5	9.7
04/05/15	13:00:00	1785.5	9.9
04/05/15	14:00:00	1785.9	10.1
04/05/15	15:00:00	1785.8	9.9
04/05/15	16:00:00	1786.4	10.0
04/05/15	17:00:00	1786.3	9.9
04/05/15	18:00:00	1786.8	9.9
04/05/15	19:00:00	1786.9	9.9
04/05/15	20:00:00	1787.0	10.0
04/05/15	21:00:00	1787.0	10.0
04/05/15	22:00:00	1787.1	10.0
04/05/15	23:00:00	1787.0	9.9
04/06/15	00:00:00	1783.5	9.0
04/06/15	01:00:00	1787.2	10.1
04/06/15	02:00:00	1787.1	10.0
04/06/15	03:00:00	1787.4	10.2
04/06/15	04:00:00	1787.2	10.1
04/06/15	05:00:00	1786.8	10.0
04/06/15	06:00:00	1786.7	10.0
04/06/15	07:00:00	1786.9	10.0
04/06/15	08:00:00	1787.3	10.1
04/06/15	09:00:00	1787.3	10.0
04/06/15	10:00:00	1787.3	9.8
04/06/15	11:00:00	1787.6	9.8
04/06/15	12:00:00	1788.1	9.8
04/06/15	13:00:00	1788.2	9.7
04/06/15	14:00:00	1788.6	9.6
04/06/15	15:00:00	1789.2	9.6
04/06/15	16:00:00	1790.3	9.8
04/06/15	17:00:00	1790.7	9.8
04/06/15	18:00:00	1791.1	9.8
04/06/15	19:00:00	1791.1	9.7
04/06/15	20:00:00	1791.4	9.8
04/06/15	21:00:00	1792.0	9.9
04/06/15	22:00:00	1792.4	10.0
04/06/15	23:00:00	1792.3	10.0
04/07/15	00:00:00	1792.6	10.1
04/07/15	01:00:00	1792.4	10.0
04/07/15	02:00:00	1792.5	10.1
04/07/15	03:00:00	1792.7	10.0
04/07/15	04:00:00	1792.8	9.9

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/07/15	05:00:00	1792.8	9.9
04/07/15	06:00:00	1792.7	9.9
04/07/15	07:00:00	1792.9	9.9
04/07/15	08:00:00	1792.8	9.9
04/07/15	09:00:00	1792.8	9.9
04/07/15	10:00:00	1792.8	9.9
04/07/15	11:00:00	1793.2	9.9
04/07/15	12:00:00	1793.7	9.9
04/07/15	13:00:00	1793.7	9.8
04/07/15	14:00:00	1793.6	9.7
04/07/15	15:00:00	1794.2	9.8
04/07/15	16:00:00	1794.8	9.9
04/07/15	17:00:00	1794.8	9.9
04/07/15	18:00:00	1795.5	10.2
04/07/15	19:00:00	1795.1	9.9
04/07/15	20:00:00	1794.8	9.9
04/07/15	21:00:00	1795.1	10.0
04/07/15	22:00:00	1791.0	8.8
04/07/15	23:00:00	1792.7	9.4
04/08/15	00:00:00	1795.0	10.1
04/08/15	01:00:00	1795.4	10.1
04/08/15	02:00:00	1795.5	10.2
04/08/15	03:00:00	1795.4	10.1
04/08/15	04:00:00	1795.4	10.1
04/08/15	05:00:00	1795.4	10.2
04/08/15	06:00:00	1795.1	10.0
04/08/15	07:00:00	1795.3	10.1
04/08/15	08:00:00	1795.5	10.2
04/08/15	09:00:00	1795.0	10.0
04/08/15	10:00:00	1795.7	10.1
04/08/15	11:00:00	1795.2	9.8
04/08/15	12:00:00	1795.2	9.7
04/08/15	13:00:00	1796.0	9.8
04/08/15	14:00:00	1796.4	9.8
04/08/15	15:00:00	1796.6	9.7
04/08/15	16:00:00	1797.0	9.7
04/08/15	17:00:00	1797.6	9.8
04/08/15	18:00:00	1798.0	9.8
04/08/15	19:00:00	1798.6	9.9
04/08/15	20:00:00	1798.7	9.9
04/08/15	21:00:00	1798.9	10.0
04/08/15	22:00:00	1798.8	10.0
04/08/15	23:00:00	1798.8	10.0
04/09/15	00:00:00	1799.0	10.1
04/09/15	01:00:00	1799.1	10.1
04/09/15	02:00:00	1799.1	10.1
04/09/15	03:00:00	1798.8	10.1
04/09/15	04:00:00	1798.8	10.1
04/09/15	05:00:00	1798.7	10.1
04/09/15	06:00:00	1798.6	10.1
04/09/15	07:00:00	1798.5	10.1
04/09/15	08:00:00	1798.7	10.1
04/09/15	09:00:00	1798.6	10.0
04/09/15	10:00:00	1798.7	9.9
04/09/15	11:00:00	1798.9	9.8
04/09/15	12:00:00	1799.2	9.7

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/09/15	13:00:00	1799.7	9.7
04/09/15	14:00:00	1800.3	9.7
04/09/15	15:00:00	1800.8	9.7
04/09/15	16:00:00	1801.5	9.8
04/09/15	17:00:00	1801.9	9.7
04/09/15	18:00:00	1802.2	9.8
04/09/15	19:00:00	1802.7	9.8
04/09/15	20:00:00	1802.8	9.8
04/09/15	21:00:00	1803.3	9.9
04/09/15	22:00:00	1803.6	10.0
04/09/15	23:00:00	1803.8	10.1
04/10/15	00:00:00	1798.4	8.3
04/10/15	01:00:00	1797.5	8.3
04/10/15	02:00:00	1797.1	8.2
04/10/15	03:00:00	1796.9	8.2
04/10/15	04:00:00	1796.7	8.2
04/10/15	05:00:00	1796.5	8.3
04/10/15	06:00:00	1796.3	8.3
04/10/15	07:00:00	1796.1	8.3
04/10/15	08:00:00	1796.0	8.3
04/10/15	09:00:00	1795.8	8.1
04/10/15	10:00:00	1796.0	8.1
04/10/15	11:00:00	1796.3	8.0
04/10/15	12:00:00	1796.6	8.0
04/10/15	13:00:00	1797.0	8.0
04/10/15	14:00:00	1797.3	8.0
04/10/15	15:00:00	1797.7	8.0
04/10/15	16:00:00	1798.0	7.9
04/10/15	17:00:00	1798.4	7.9
04/10/15	18:00:00	1798.6	8.0
04/10/15	19:00:00	1799.0	8.0
04/10/15	20:00:00	1798.9	8.1
04/10/15	21:00:00	1799.0	8.1
04/10/15	22:00:00	1799.0	8.1
04/10/15	23:00:00	1799.0	8.2
04/11/15	00:00:00	1798.9	8.2
04/11/15	01:00:00	1799.0	8.2
04/11/15	02:00:00	1798.8	8.2
04/11/15	03:00:00	1798.7	8.3
04/11/15	04:00:00	1798.6	8.3
04/11/15	05:00:00	1798.4	8.3
04/11/15	06:00:00	1798.3	8.3
04/11/15	07:00:00	1798.1	8.2
04/11/15	08:00:00	1798.2	8.2
04/11/15	09:00:00	1798.2	8.0
04/11/15	10:00:00	1798.4	8.0
04/11/15	11:00:00	1798.8	8.0
04/11/15	12:00:00	1799.0	8.0
04/11/15	13:00:00	1799.6	8.0
04/11/15	14:00:00	1799.9	8.0
04/11/15	15:00:00	1800.2	7.9
04/11/15	16:00:00	1800.6	7.9
04/11/15	17:00:00	1801.0	7.9
04/11/15	18:00:00	1801.0	7.9
04/11/15	19:00:00	1801.4	7.9
04/11/15	20:00:00	1801.7	8.1

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/11/15	21:00:00	1801.9	8.2
04/11/15	22:00:00	1801.2	7.9
04/11/15	23:00:00	1801.9	8.2
04/12/15	00:00:00	1801.9	8.2
04/12/15	01:00:00	1802.1	8.2
04/12/15	02:00:00	1802.1	8.3
04/12/15	03:00:00	1801.9	8.3
04/12/15	04:00:00	1801.8	8.3
04/12/15	05:00:00	1801.8	8.3
04/12/15	06:00:00	1801.7	8.3
04/12/15	07:00:00	1801.6	8.3
04/12/15	08:00:00	1800.5	7.7
04/12/15	09:00:00	1792.4	3.7
04/12/15	10:00:00	1791.6	3.4
04/12/15	11:00:00	1796.4	6.4
04/12/15	12:00:00	1800.7	7.9
04/12/15	13:00:00	1801.2	7.8
04/12/15	14:00:00	1799.2	6.9
04/12/15	15:00:00	1800.0	7.2
04/12/15	16:00:00	1802.2	7.8
04/12/15	17:00:00	1802.8	7.8
04/12/15	18:00:00	1803.1	7.8
04/12/15	19:00:00	1803.6	7.8
04/12/15	20:00:00	1803.7	7.9
04/12/15	21:00:00	1804.1	8.1
04/12/15	22:00:00	1804.2	8.0
04/12/15	23:00:00	1804.3	8.1
04/13/15	00:00:00	1804.5	8.2
04/13/15	01:00:00	1804.4	8.1
04/13/15	02:00:00	1804.4	8.1
04/13/15	03:00:00	1804.5	8.2
04/13/15	04:00:00	1800.6	6.7
04/13/15	05:00:00	1801.7	7.4
04/13/15	06:00:00	1803.7	8.2
04/13/15	07:00:00	1803.7	8.2
04/13/15	08:00:00	1803.8	8.2
04/13/15	09:00:00	1803.5	8.0
04/13/15	10:00:00	1803.8	8.0
04/13/15	11:00:00	1804.1	7.9
04/13/15	12:00:00	1802.4	6.9
04/13/15	13:00:00	1803.8	7.6
04/13/15	14:00:00	1805.0	7.8
04/13/15	15:00:00	1804.1	7.2
04/13/15	16:00:00	1805.9	7.9
04/13/15	17:00:00	1806.5	8.0
04/13/15	18:00:00	1806.7	8.1
04/13/15	19:00:00	1807.1	8.1
04/13/15	20:00:00	1806.7	8.1
04/13/15	21:00:00	1806.9	8.2
04/13/15	22:00:00	1806.8	8.2
04/13/15	23:00:00	1806.8	8.2
04/14/15	00:00:00	1806.7	8.2
04/14/15	01:00:00	1806.7	8.2
04/14/15	02:00:00	1806.7	8.2
04/14/15	03:00:00	1806.8	8.2
04/14/15	04:00:00	1806.7	8.3

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/14/15	05:00:00	1806.6	8.3
04/14/15	06:00:00	1806.4	8.3
04/14/15	07:00:00	1806.4	8.3
04/14/15	08:00:00	1801.8	6.2
04/14/15	09:00:00	1809.8	9.5
04/14/15	10:00:00	1811.7	9.8
04/14/15	11:00:00	1812.1	9.8
04/14/15	12:00:00	1809.3	8.6
04/14/15	13:00:00	1813.3	9.9
04/14/15	14:00:00	1813.9	9.8
04/14/15	15:00:00	1814.4	9.8
04/14/15	16:00:00	1815.0	9.8
04/14/15	17:00:00	1815.6	9.8
04/14/15	18:00:00	1816.0	9.8
04/14/15	19:00:00	1816.4	9.9
04/14/15	20:00:00	1816.3	9.8
04/14/15	21:00:00	1816.4	9.8
04/14/15	22:00:00	1816.6	9.9
04/14/15	23:00:00	1816.6	9.9
04/15/15	00:00:00	1817.2	10.1
04/15/15	01:00:00	1817.5	10.2
04/15/15	02:00:00	1817.3	10.1
04/15/15	03:00:00	1817.5	10.2
04/15/15	04:00:00	1817.4	10.2
04/15/15	05:00:00	1817.6	10.2
04/15/15	06:00:00	1817.3	10.1
04/15/15	07:00:00	1817.3	10.1
04/15/15	08:00:00	1817.6	10.2
04/15/15	09:00:00	1817.3	10.0
04/15/15	10:00:00	1817.5	9.9
04/15/15	11:00:00	1817.9	9.9
04/15/15	12:00:00	1818.5	9.9
04/15/15	13:00:00	1819.0	9.8
04/15/15	14:00:00	1819.5	9.8
04/15/15	15:00:00	1820.3	9.9
04/15/15	16:00:00	1820.9	9.9
04/15/15	17:00:00	1821.3	9.8
04/15/15	18:00:00	1821.6	9.8
04/15/15	19:00:00	1822.2	9.8
04/15/15	20:00:00	1822.0	9.8
04/15/15	21:00:00	1822.5	9.9
04/15/15	22:00:00	1822.9	10.0
04/15/15	23:00:00	1823.2	10.2
04/16/15	00:00:00	1823.2	10.1
04/16/15	01:00:00	1823.3	10.2
04/16/15	02:00:00	1823.2	10.2
04/16/15	03:00:00	1823.0	10.2
04/16/15	04:00:00	1822.9	10.2
04/16/15	05:00:00	1822.9	10.2
04/16/15	06:00:00	1822.6	10.2
04/16/15	07:00:00	1822.4	10.2
04/16/15	08:00:00	1822.3	10.2
04/16/15	09:00:00	1820.6	9.5
04/16/15	10:00:00	1821.3	9.6
04/16/15	11:00:00	1821.8	9.6
04/16/15	12:00:00	1822.2	9.5

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/16/15	13:00:00	1821.4	9.1
04/16/15	14:00:00	1809.3	2.1
04/16/15	15:00:00	1803.2	0.0
04/16/15	16:00:00	1802.0	0.0
04/16/15	17:00:00	1801.2	0.0
04/16/15	18:00:00	1800.3	0.0
04/16/15	19:00:00	1799.7	0.0
04/16/15	20:00:00	1798.7	0.0
04/16/15	21:00:00	1798.1	0.0
04/16/15	22:00:00	1797.7	0.0
04/16/15	23:00:00	1797.2	0.0
04/17/15	00:00:00	1796.7	0.0
04/17/15	01:00:00	1796.2	0.0
04/17/15	02:00:00	1795.7	0.0
04/17/15	03:00:00	1795.3	0.0
04/17/15	04:00:00	1795.0	0.0
04/17/15	05:00:00	1794.6	0.0
04/17/15	06:00:00	1794.2	0.0
04/17/15	07:00:00	1793.9	0.0
04/17/15	08:00:00	1793.6	0.0
04/17/15	09:00:00	1793.2	0.0
04/17/15	10:00:00	1792.9	0.0
04/17/15	11:00:00	1792.5	0.0
04/17/15	12:00:00	1792.2	0.0
04/17/15	13:00:00	1791.9	0.0
04/17/15	14:00:00	1791.7	0.0
04/17/15	15:00:00	1791.4	0.0
04/17/15	16:00:00	1791.2	0.0
04/17/15	17:00:00	1791.1	0.0
04/17/15	18:00:00	1790.7	0.0
04/17/15	19:00:00	1790.7	0.0
04/17/15	20:00:00	1790.2	0.0
04/17/15	21:00:00	1790.1	0.0
04/17/15	22:00:00	1790.0	0.0
04/17/15	23:00:00	1789.8	0.0
04/18/15	00:00:00	1789.7	0.0
04/18/15	01:00:00	1789.5	0.0
04/18/15	02:00:00	1789.4	0.0
04/18/15	03:00:00	1789.3	0.0
04/18/15	04:00:00	1789.1	0.0
04/18/15	05:00:00	1789.7	0.9
04/18/15	06:00:00	1790.5	1.9
04/18/15	07:00:00	1790.8	1.9
04/18/15	08:00:00	1791.4	1.9
04/18/15	09:00:00	1792.1	3.6
04/18/15	10:00:00	1792.7	3.6
04/18/15	11:00:00	1793.3	3.6
04/18/15	12:00:00	1796.0	4.9
04/18/15	13:00:00	1797.9	5.5
04/18/15	14:00:00	1798.7	5.5
04/18/15	15:00:00	1799.0	5.3
04/18/15	16:00:00	1801.7	6.5
04/18/15	17:00:00	1805.7	7.6
04/18/15	18:00:00	1806.3	7.6
04/18/15	19:00:00	1806.9	7.6
04/18/15	20:00:00	1807.4	7.7

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/18/15	21:00:00	1807.9	7.7
04/18/15	22:00:00	1808.3	7.7
04/18/15	23:00:00	1808.6	7.7
04/19/15	00:00:00	1809.1	7.8
04/19/15	01:00:00	1810.0	8.1
04/19/15	02:00:00	1810.2	8.0
04/19/15	03:00:00	1810.3	8.1
04/19/15	04:00:00	1810.4	8.0
04/19/15	05:00:00	1810.6	8.1
04/19/15	06:00:00	1810.5	8.1
04/19/15	07:00:00	1810.7	8.1
04/19/15	08:00:00	1810.7	8.0
04/19/15	09:00:00	1810.8	7.9
04/19/15	10:00:00	1811.2	7.9
04/19/15	11:00:00	1811.4	7.8
04/19/15	12:00:00	1811.9	7.7
04/19/15	13:00:00	1812.4	7.7
04/19/15	14:00:00	1813.0	7.7
04/19/15	15:00:00	1813.5	7.7
04/19/15	16:00:00	1814.1	7.7
04/19/15	17:00:00	1814.6	7.7
04/19/15	18:00:00	1814.8	7.7
04/19/15	19:00:00	1815.4	7.8
04/19/15	20:00:00	1815.5	7.9
04/19/15	21:00:00	1815.7	7.9
04/19/15	22:00:00	1815.8	7.9
04/19/15	23:00:00	1815.8	7.9
04/20/15	00:00:00	1815.9	7.9
04/20/15	01:00:00	1815.9	8.0
04/20/15	02:00:00	1815.9	8.0
04/20/15	03:00:00	1815.8	8.0
04/20/15	04:00:00	1815.7	8.0
04/20/15	05:00:00	1815.7	8.0
04/20/15	06:00:00	1815.7	8.0
04/20/15	07:00:00	1815.7	8.0
04/20/15	08:00:00	1815.8	8.0
04/20/15	09:00:00	1815.2	7.7
04/20/15	10:00:00	1814.8	7.4
04/20/15	11:00:00	1814.9	7.3
04/20/15	12:00:00	1808.9	4.1
04/20/15	13:00:00	1814.2	6.8
04/20/15	14:00:00	1821.8	9.5
04/20/15	15:00:00	1822.5	9.4
04/20/15	16:00:00	1823.4	9.4
04/20/15	17:00:00	1824.2	9.5
04/20/15	18:00:00	1824.5	9.5
04/20/15	19:00:00	1824.8	9.5
04/20/15	20:00:00	1825.1	9.5
04/20/15	21:00:00	1825.5	9.6
04/20/15	22:00:00	1825.6	9.6
04/20/15	23:00:00	1826.0	9.7
04/21/15	00:00:00	1826.2	9.8
04/21/15	01:00:00	1822.8	8.6
04/21/15	02:00:00	1819.9	7.7
04/21/15	03:00:00	1819.7	7.7
04/21/15	04:00:00	1823.0	8.9

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/21/15	05:00:00	1826.1	9.8
04/21/15	06:00:00	1826.1	9.8
04/21/15	07:00:00	1826.3	9.8
04/21/15	08:00:00	1826.6	9.8
04/21/15	09:00:00	1826.7	9.8
04/21/15	10:00:00	1826.8	9.7
04/21/15	11:00:00	1826.1	9.2
04/21/15	12:00:00	1821.8	7.7
04/21/15	13:00:00	1820.3	5.7
04/21/15	14:00:00	1825.8	9.0
04/21/15	15:00:00	1827.8	9.5
04/21/15	16:00:00	1828.7	9.5
04/21/15	17:00:00	1829.2	9.6
04/21/15	18:00:00	1829.7	9.7
04/21/15	19:00:00	1829.7	9.6
04/21/15	20:00:00	1829.5	9.5
04/21/15	21:00:00	1824.8	8.0
04/21/15	22:00:00	1828.5	9.4
04/21/15	23:00:00	1829.9	9.9
04/22/15	00:00:00	1829.6	9.8
04/22/15	01:00:00	1829.5	9.8
04/22/15	02:00:00	1829.7	9.8
04/22/15	03:00:00	1829.8	9.9
04/22/15	04:00:00	1829.8	9.9
04/22/15	05:00:00	1829.7	9.8
04/22/15	06:00:00	1829.9	9.8
04/22/15	07:00:00	1829.9	9.8
04/22/15	08:00:00	1830.3	9.8
04/22/15	09:00:00	1830.3	9.7
04/22/15	10:00:00	1830.7	9.8
04/22/15	11:00:00	1830.4	9.5
04/22/15	12:00:00	1830.6	9.5
04/22/15	13:00:00	1826.2	7.8
04/22/15	14:00:00	1825.2	7.4
04/22/15	15:00:00	1823.8	6.6
04/22/15	16:00:00	1822.4	5.8
04/22/15	17:00:00	1831.3	9.4
04/22/15	18:00:00	1832.3	9.4
04/22/15	19:00:00	1832.9	9.5
04/22/15	20:00:00	1833.2	9.5
04/22/15	21:00:00	1833.7	9.6
04/22/15	22:00:00	1833.9	9.6
04/22/15	23:00:00	1834.2	9.7
04/23/15	00:00:00	1834.5	9.8
04/23/15	01:00:00	1834.4	9.7
04/23/15	02:00:00	1834.7	9.8
04/23/15	03:00:00	1835.1	10.0
04/23/15	04:00:00	1834.8	9.9
04/23/15	05:00:00	1834.7	9.9
04/23/15	06:00:00	1834.5	9.9
04/23/15	07:00:00	1834.5	9.9
04/23/15	08:00:00	1834.8	9.9
04/23/15	09:00:00	1834.5	9.8
04/23/15	10:00:00	1834.6	9.7
04/23/15	11:00:00	1834.9	9.6
04/23/15	12:00:00	1835.4	9.6

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/23/15	13:00:00	1835.7	9.5
04/23/15	14:00:00	1836.4	9.5
04/23/15	15:00:00	1836.9	9.5
04/23/15	16:00:00	1837.3	9.4
04/23/15	17:00:00	1837.8	9.4
04/23/15	18:00:00	1838.2	9.5
04/23/15	19:00:00	1838.4	9.5
04/23/15	20:00:00	1838.3	9.5
04/23/15	21:00:00	1838.8	9.6
04/23/15	22:00:00	1839.2	9.7
04/23/15	23:00:00	1839.5	9.8
04/24/15	00:00:00	1839.2	9.8
04/24/15	01:00:00	1839.2	9.7
04/24/15	02:00:00	1839.3	9.7
04/24/15	03:00:00	1839.4	9.8
04/24/15	04:00:00	1839.7	9.9
04/24/15	05:00:00	1839.7	9.9
04/24/15	06:00:00	1839.6	9.8
04/24/15	07:00:00	1822.4	0.2
04/24/15	08:00:00	1819.5	0.0
04/24/15	09:00:00	1818.7	0.0
04/24/15	10:00:00	1817.9	0.0
04/24/15	11:00:00	1817.1	0.0
04/24/15	12:00:00	1816.4	0.0
04/24/15	13:00:00	1815.8	0.0
04/24/15	14:00:00	1816.1	0.9
04/24/15	15:00:00	1827.8	7.7
04/24/15	16:00:00	1834.1	9.6
04/24/15	17:00:00	1834.8	9.6
04/24/15	18:00:00	1835.3	9.6
04/24/15	19:00:00	1835.7	9.6
04/24/15	20:00:00	1836.1	9.6
04/24/15	21:00:00	1836.5	9.7
04/24/15	22:00:00	1836.8	9.7
04/24/15	23:00:00	1837.2	9.7
04/25/15	00:00:00	1837.3	9.7
04/25/15	01:00:00	1837.5	9.7
04/25/15	02:00:00	1837.6	9.7
04/25/15	03:00:00	1837.7	9.7
04/25/15	04:00:00	1838.1	9.8
04/25/15	05:00:00	1838.3	9.8
04/25/15	06:00:00	1838.5	9.7
04/25/15	07:00:00	1838.7	9.8
04/25/15	08:00:00	1838.8	9.7
04/25/15	09:00:00	1839.2	9.8
04/25/15	10:00:00	1839.4	9.7
04/25/15	11:00:00	1839.6	9.6
04/25/15	12:00:00	1840.0	9.6
04/25/15	13:00:00	1840.4	9.6
04/25/15	14:00:00	1839.5	9.1
04/25/15	15:00:00	1839.8	9.2
04/25/15	16:00:00	1842.0	9.7
04/25/15	17:00:00	1842.3	9.7
04/25/15	18:00:00	1842.5	9.7
04/25/15	19:00:00	1842.9	9.7
04/25/15	20:00:00	1842.9	9.7

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/25/15	21:00:00	1843.3	9.8
04/25/15	22:00:00	1843.3	9.8
04/25/15	23:00:00	1843.8	9.9
04/26/15	00:00:00	1843.9	9.9
04/26/15	01:00:00	1843.9	10.0
04/26/15	02:00:00	1843.9	9.9
04/26/15	03:00:00	1843.8	9.9
04/26/15	04:00:00	1843.9	10.0
04/26/15	05:00:00	1843.9	10.0
04/26/15	06:00:00	1844.0	10.0
04/26/15	07:00:00	1843.9	10.0
04/26/15	08:00:00	1843.8	9.9
04/26/15	09:00:00	1843.6	9.7
04/26/15	10:00:00	1844.0	9.7
04/26/15	11:00:00	1844.1	9.6
04/26/15	12:00:00	1844.4	9.5
04/26/15	13:00:00	1845.2	9.6
04/26/15	14:00:00	1845.4	9.5
04/26/15	15:00:00	1846.1	9.5
04/26/15	16:00:00	1846.6	9.5
04/26/15	17:00:00	1846.9	9.5
04/26/15	18:00:00	1847.0	9.4
04/26/15	19:00:00	1847.5	9.4
04/26/15	20:00:00	1847.6	9.5
04/26/15	21:00:00	1847.8	9.6
04/26/15	22:00:00	1848.2	9.7
04/26/15	23:00:00	1848.5	9.8
04/27/15	00:00:00	1848.7	9.8
04/27/15	01:00:00	1848.6	9.8
04/27/15	02:00:00	1848.7	9.8
04/27/15	03:00:00	1848.9	9.9
04/27/15	04:00:00	1848.7	9.8
04/27/15	05:00:00	1848.6	9.8
04/27/15	06:00:00	1848.7	9.8
04/27/15	07:00:00	1848.6	9.8
04/27/15	08:00:00	1848.3	9.7
04/27/15	09:00:00	1848.0	9.5
04/27/15	10:00:00	1848.6	9.6
04/27/15	11:00:00	1849.0	9.6
04/27/15	12:00:00	1849.4	9.6
04/27/15	13:00:00	1849.6	9.5
04/27/15	14:00:00	1849.4	9.2
04/27/15	15:00:00	1850.1	9.2
04/27/15	16:00:00	1850.6	9.2
04/27/15	17:00:00	1851.0	9.2
04/27/15	18:00:00	1851.3	9.3
04/27/15	19:00:00	1851.9	9.3
04/27/15	20:00:00	1852.0	9.3
04/27/15	21:00:00	1852.5	9.4
04/27/15	22:00:00	1852.7	9.4
04/27/15	23:00:00	1853.2	9.6
04/28/15	00:00:00	1853.8	9.7
04/28/15	01:00:00	1853.9	9.8
04/28/15	02:00:00	1853.7	9.8
04/28/15	03:00:00	1853.4	9.8
04/28/15	04:00:00	1853.4	9.8

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/28/15	05:00:00	1853.4	9.9
04/28/15	06:00:00	1853.4	9.8
04/28/15	07:00:00	1853.5	9.8
04/28/15	08:00:00	1853.6	9.8
04/28/15	09:00:00	1852.9	9.6
04/28/15	10:00:00	1852.8	9.5
04/28/15	11:00:00	1852.8	9.4
04/28/15	12:00:00	1853.2	9.3
04/28/15	13:00:00	1853.7	9.3
04/28/15	14:00:00	1854.1	9.2
04/28/15	15:00:00	1854.7	9.2
04/28/15	16:00:00	1854.9	9.1
04/28/15	17:00:00	1855.6	9.3
04/28/15	18:00:00	1856.0	9.3
04/28/15	19:00:00	1856.4	9.3
04/28/15	20:00:00	1856.5	9.4
04/28/15	21:00:00	1856.9	9.6
04/28/15	22:00:00	1857.1	9.7
04/28/15	23:00:00	1857.2	9.7
04/29/15	00:00:00	1857.0	9.8
04/29/15	01:00:00	1857.3	9.9
04/29/15	02:00:00	1857.1	9.9
04/29/15	03:00:00	1857.0	9.9
04/29/15	04:00:00	1856.7	9.9
04/29/15	05:00:00	1856.6	9.9
04/29/15	06:00:00	1856.3	9.9
04/29/15	07:00:00	1856.3	9.8
04/29/15	08:00:00	1856.5	9.8
04/29/15	09:00:00	1856.0	9.7
04/29/15	10:00:00	1856.2	9.6
04/29/15	11:00:00	1856.3	9.5
04/29/15	12:00:00	1856.6	9.3
04/29/15	13:00:00	1857.2	9.4
04/29/15	14:00:00	1857.6	9.3
04/29/15	15:00:00	1858.3	9.3
04/29/15	16:00:00	1858.7	9.3
04/29/15	17:00:00	1859.0	9.3
04/29/15	18:00:00	1859.2	9.3
04/29/15	19:00:00	1859.7	9.3
04/29/15	20:00:00	1859.6	9.3
04/29/15	21:00:00	1859.8	9.4
04/29/15	22:00:00	1860.2	9.5
04/29/15	23:00:00	1860.5	9.6
04/30/15	00:00:00	1860.6	9.7
04/30/15	01:00:00	1860.5	9.7
04/30/15	02:00:00	1860.5	9.8
04/30/15	03:00:00	1860.5	9.8
04/30/15	04:00:00	1860.3	9.8
04/30/15	05:00:00	1860.0	9.8
04/30/15	06:00:00	1859.8	9.7
04/30/15	07:00:00	1859.5	9.7
04/30/15	08:00:00	1859.5	9.7
04/30/15	09:00:00	1859.2	9.5
04/30/15	10:00:00	1859.6	9.5
04/30/15	11:00:00	1859.7	9.4
04/30/15	12:00:00	1859.8	9.2

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/30/15	13:00:00	1860.3	9.2
04/30/15	14:00:00	1861.1	9.2
04/30/15	15:00:00	1861.9	9.2
04/30/15	16:00:00	1862.3	9.2
04/30/15	17:00:00	1862.7	9.2
04/30/15	18:00:00	1862.8	9.2
04/30/15	19:00:00	1863.1	9.1
04/30/15	20:00:00	1863.2	9.2
04/30/15	21:00:00	1863.5	9.3
04/30/15	22:00:00	1864.1	9.5
04/30/15	23:00:00	1864.3	9.5
05/01/15	00:00:00	1864.6	9.6

Notes:

1) Data are missing on 3/08/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
2) Data are missing on 4/03/15 at 08:00:00 hours because the DAS data recording system was down. No data was being recorded during this period.

ATTACHMENT 2

Wellhead Tubing and Casing Annulus Data for Piacentine 1-27 Well

Attachment 2 - Continuous Monitoring Device Data for Piacentine 1-27 - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min)	Number of Data Points	Piacentine 1-27 Well											
						PIT-016A (PSIG) Tubing Pressure			PIT-016B (PSIG) Annulus Pressure			TIT-016A (°F) Tubing Temperature			TIT-016B (°F) Annulus Temperature		
						Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150113	01/13/15	14:23:01	23:59:56	09:36:55	6863	0.0	-0.6	0.4	-0.6	-1.0	-0.1						
CAES150114	01/14/15	00:00:01	23:59:56	23:59:55	14498	0.1	-0.5	0.4	-0.8	-1.0	-0.1	70.7	-35.3	73.8	72.1	69.9	72.1
CAES150115	01/15/15	00:00:01	23:59:56	23:59:55	17280	0.3	0.2	0.3	-1.0	-1.0	-0.9	73.8	73.8	73.8	72.1	72.1	72.1
CAES150116	01/16/15	00:00:01	09:52:26	09:52:25	7110	0.3	0.2	0.4	-1.0	-1.0	-0.9	73.8	73.8	73.8	72.1	72.1	72.1
	01/17/15					-14.7	-14.7	-14.7	-14.7	-14.7	-14.7						
	01/18/15					-14.7	-14.7	-14.7	-14.7	-14.7	-14.7						
CAES150119	01/19/15	10:59:06	23:59:56	13:00:50	9215	0.2	0.1	0.3	-1.0	-1.0	-0.9	73.8	73.8	73.8	72.1	72.1	72.1
CAES150120	01/20/15	00:00:01	23:59:56	23:59:55	17277	0.2	0.1	0.3	-0.7	-1.0	-0.1	53.9	12.6	73.8	53.3	14.5	72.1
CAES150121	01/21/15	00:00:01	23:59:56	23:59:55	16971	0.2	-0.5	0.5	985.9	-0.2	2988.5	49.4	12.6	124.3	49.4	14.5	120.4
CAES150122	01/22/15	00:00:00	23:59:55	23:59:55	17247	-1.1	-14.7	764.4	2667.8	-14.7	2992.4	122.9	0.0	124.4	119.1	0.0	120.5
CAES150123	01/23/15	00:00:00	23:59:55	23:59:55	17241	1.3	-0.2	3.1	1133.8	-0.7	2988.3	47.2	0.0	124.3	45.8	0.0	120.4
CAES150124	01/24/15	00:00:00	07:28:10	07:28:10	5379	2.2	2.1	2.9	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CAES150125	01/25/15					0.0	0.0	0.0	0.0	0.0	0.0						
CAES150126	01/26/15	08:28:45	23:59:55	15:31:10	11175	2.4	1.3	3.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CAES150127	01/27/15	00:00:00	16:59:00	16:59:00	12229	777.7	2.1	1686.5	3.9	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0
CAES150128	01/28/15					0.0	0.0	0.0	0.0	0.0	0.0						
CAES150129	01/29/15	07:46:05	23:59:55	16:13:50	11215	1678.6	1676.0	1681.7	17.8	16.8	19.2	62.8	51.8	76.5	60.2	55.3	67.0
CAES150130	01/30/15	00:00:00	16:40:50	16:40:50	11837	1682.6	1676.8	1686.5	17.1	15.4	18.5	54.3	39.1	77.1	56.7	50.0	67.4
CAES150131	01/31/15	15:36:35	23:59:55	08:23:20	6035	1663.5	1656.2	1666.6	111.1	19.1	2988.3	63.1	51.8	81.9	60.4	55.9	70.0
CAES150201	02/01/15	00:00:00	23:59:55	23:59:55	17280	1617.0	1577.9	1656.3	19.5	19.1	20.6	58.2	48.3	75.2	58.3	53.3	66.0
CAES150202	02/02/15	00:00:00	23:59:55	23:59:55	15827	1542.0	1504.5	1578.0	19.6	19.1	20.8	57.7	48.9	73.5	58.1	53.8	65.2
CAES150203	02/03/15	00:00:00	23:59:55	23:59:55	17280	1520.9	1473.0	1608.0	19.1	17.6	20.6	61.6	51.5	80.6	60.2	55.4	69.8
CAES150204	02/04/15	00:00:00	23:59:55	23:59:55	17280	1667.2	1608.0	1686.4	18.8	18.1	19.9	53.4	42.3	68.7	55.6	50.7	62.5
CAES150205	02/05/15	00:00:00	23:59:55	23:59:55	17207	1686.3	1686.2	1686.5	19.6	19.2	20.1	50.3	43.3	58.2	53.6	50.3	56.9
CAES150206	02/06/15	00:00:00	23:59:55	23:59:55	16349	1686.3	1686.2	1686.4	20.6	19.9	21.4	57.1	49.1	65.0	56.3	53.0	59.9
CAES150207	02/07/15	00:00:00	23:59:55	23:59:55	17280	1686.3	1686.2	1688.6	21.5	20.5	23.5	61.1	55.9	71.2	59.1	55.9	64.4
CAES150208	02/08/15	00:00:00	23:59:55	23:59:55	17280	1686.3	1686.2	1687.1	22.0	21.3	22.8	60.0	56.3	64.9	59.1	57.2	60.9
CAES150209	02/09/15	00:00:00	23:59:55	23:59:55	17280	1686.5	1686.2	1687.1	22.4	22.0	23.5	64.1	48.4	81.9	60.2	54.0	69.8
CAES150210	02/10/15	00:00:00	23:59:55	23:59:55	17268	1686.9	1686.2	1689.0	43.2	0.0	86.2	55.1	41.9	73.2	55.9	49.6	65.1
CAES150211	02/11/15	00:00:00	23:59:55	23:59:55	17280	1687.5	1686.8	1687.9	84.1	82.8	85.3	57.5	38.5	81.7	56.7	47.3	69.3
CAES150212	02/12/15	00:00:00	23:59:55	23:59:55	17280	1687.7	1686.8	1688.4	83.0	82.0	84.6	62.4	42.9	88.7	59.4	49.9	74.1
CAES150213	02/13/15	00:00:00	23:59:55	23:59:55	17280	1688.0	1686.8	1689.9	81.9	80.6	83.0	62.9	43.5	90.7	60.4	50.9	75.9
CAES150214	02/14/15	00:00:00	23:59:55	23:59:55	16079	1692.0	1687.7	1700.1	80.9	79.9	82.4	63.6	43.3	90.8	61.0	51.0	76.4
CAES150215	02/15/15	00:00:00	23:59:55	23:59:55	17280	1701.5	1697.9	1703.1	80.1	79.3	81.6	62.4	44.5	86.7	60.3	51.6	73.0
CAES150216	02/16/15	00:00:00	23:59:55	23:59:55	17280	1704.0	1702.9	1705.4	79.1	77.9	80.1	63.3	43.8	89.6	61.0	51.2	76.0
CAES150217	02/17/15	00:00:00	23:59:55	23:59:55	17280	1698.9	1693.5	1706.7	77.9	77.1	78.7	57.5	47.0	77.2	58.3	53.5	70.5
CAES150218	02/18/15	00:00:00	23:59:55	23:59:55	17198	1693.3	1692.0	1697.2	76.8	75.8	78.0	58.1	45.2	77.4	57.2	50.9	68.2
CAES150219	02/19/15	00:00:00	23:59:55	23:59:55	17243	1701.4	1694.1	1705.3	75.9	75.7	76.4	53.2	46.5	58.5	55.4	52.6	58.0
CAES150220	02/20/15	00:00:00	23:59:55	23:59:55	16689	1703.5	1697.9	1706.2	75.3	74.2	76.4	58.5	48.5	78.8	58.3	53.2	70.5
CAES150221	02/21/15	00:00:00	23:59:55	23:59:55	17280	1707.4	1705.2	1708.4	74.5	73.4	75.0	55.6	46.5	75.1	56.6	52.6	68.1
CAES150222	02/22/15	00:00:00	23:59:55	23:59:55	17280	1708.9	1708.1	1710.5	73.9	72.8	74.9	56.1	43.6	74.4	56.6	49.6	69.5
CAES150223	02/23/15	00:00:00	23:59:55	23:59:55	17280	1712.4	1709.6	1717.7	73.1	72.0	74.3	54.3	40.3	75.6	54.8	46.6	69.2
CAES150224	02/24/15	00:00:00	23:59:55	23:59:55	17280	1720.9	1717.0	1726.7	72.5	71.3	74.3	55.3	32.8	86.7	55.0	43.1	73.2
CAES150225	02/25/15	00:00:00	23:59:55	23:59:55	17280	1724.8	1715.6	1728.8	72.3	71.3	73.6	55.7	34.9	80.0	55.9	45.1	70.9
CAES150226	02/26/15	00:00:00	23:59:55	23:59:55	17280	1729.8	1721.3	1733.2	72.0	71.2	73.5	58.9	39.7	82.9	58.6	48.0	74.7
CAES150227	02/27/15	00:00:00	23:59:55	23:59:55	17274	1735.7	1732.3	1739.0	71.8	70.5	73.0	60.1	50.2	75.9	59.5	53.3	72.5
CAES150228	02/28/15	00:00:00	23:59:55	23:59:55	17280	1741.0	1738.3	1744.1	71.2	70.5	72.0	57.0	46.6	76.6	57.3	51.4	70.2
CAES150301	03/01/15	00:00:00	23:59:55	23:59:55	17280	1743.3	1740.3	1747.0	71.0	69.7	72.9	58.4	38.9	84.4	57.9	47.8	74.1
CAES150302	03/02/15	00:00:00	23:59:55	23:59:55	17280	1748.3	1746.4	1750.8	70.6	69.6	72.0	55.2	44.7	79.1	56.6	50.5	70.4
CAES150303	03/03/15	00:00:00	23:59:55	23:59:55	17280	1745.0	1736.9	1752.1	70.2	69.1	71.3	55.7	38.4	78.9	56.9	46.9	72.7
CAES150304	03/04/15	00:00:00	23:59:55	23:59:55	17280	1751.9	1746.9	1755.1	70.2	69.1	71.3	59.7	37.0	87.4	58.3	46.7	75.5
CAES150305	03/05/15	00:00:00	23:59:55	23:59:55	17280	1757.1	1755.0	1759.7	70.1	69.1	71.3	60.9	37.0	89.8	59.3	47.3	77.2
CAES150306	03/06/15	00:00:00	23:59:55	23:59:55	17280	1761.0	1758.7	1763.1	70.0	69.2	71.3	62.0	38.9	90.0	60.6	48.8	78.8
CAES150307	03/07/15	00:00:00	23:59:55	23:59:55	17280	1764.3	1762.4	1766.1	70.0	69.1	71.4	66.3	42.0	96.7	62.6	50.4	80.8
CAES150308	03/08/15	00:00:00	23:59:55	23:59:55	16560	1767.5	1765.4	1769.1	70.0	69.0	71.3	66.0	42.9	93.2	63.5	51.3	81.3
CAES150309	03/09/15	00:00:00	23:59:55	23:59:55	17280	1770.5	1769.1	1772.0	70.0	69.1	71.3	68.2	45.1	97.0	64.6	52.8	82.1
CAES150310	03/10/15	00:00:00	23:59:55	23:59:55	17280	1772.8	1771.1	1775.7	69.8	69.1	71.7	64.0	46.4	87.0	63.0	53.9	74.1
CAES150311	03/11/15	00:00:00	23:59:55	23:59:55	17280	1776.4	1773.4	1777.9	69.4	69.1	70.6	60.2	54.2	71.6	60.2	57.2	65.1
CAES150312	03/12/15	00:00:00	23:59:55	23:59:55	17280	1779.4	1777.6	1782.3	69.5	68.2	70.6	64.6	46.7	86.1	62.7	52.4	76.9
CAES150313	03/13/15	00:00:00	23:59:55	23:59:55	17280	1782.5	1778.5	1785.9	69.7	68.3	71.3	70.6	50.2	96.3	66.3	55.4	81.8
CAES150314	03/14/15	00:00:00	23:59:55	23:59:55	17069	1785.7	1782.7	1788.2	70.0	69.1	71.4	74.5	55.2	98.8	69.6	59.3	86.1
CAES150315	03/15/15	00:00:00	23:59:55	23:59:55	17280	1784.5	1781.3	1785.9	69.8	69.1	71.3	70.1	57.0	89.9	67.9	60.2	79.9
CAES150316	03/16/15	00:00:00	23:59:55	23:59:55	17280	1787.3	1784.2	1790.9	69.4	68.2	70.6	63.5	51.5	82.8	63.5	56.6	74.1
CAES150317	03/17/15	00:00:00	23:59:55	23:59:55	17280	1793.5	1790.8	1795.6	69.6	68.3	70.7	67.5	54.3	87.2	66.2	58.1	81.3
CAES150318	03/18/15	00:00:00	23:59:55	23:59:55	17280	1794.9	1793.8	1796.8	69.4	68.2	70.6	66.7	47.6	90.4	65.4	54.6	82.6
CAES150319	03/19/15	00:00:00	23:59:55	23:59:55	17280	1794.4	1792.3	1795.4	69.5	68.2	71.4	70.0	46.5	97.3	66.7	54.4	85.4
CAES150320	03/20/15	00:00:00	23:59:55	23:59:55	17238	1796.1	1793.8	1797.5	69.2	68.2	70.7	63.4	46.2	83.8	63.7	54.9	75.9
CAES150321	03/21/15	00:00:00	23:59:55	23:59:55	17280	1798.7	1797.4	1799.9	69.4	68.2	70.6	68.2	51.5	90.2	66.1	56.5	79.8
CAES150322	03/22/15	00:00:00	23:59:55	23:59:55	17280	1800.9	1799.7	1802.0	69.4	68.2	70.6	65.1	53.5	82.5	64.9	58.3	76.1
CAES150323	03/23/15	00:00:00	23:59:55	23:59:55	17280	1802.7	1801.9	1804.2	69.2	68.2	69.7	63.1	49.9	82.0	63.5	55.9	77.9
CAES150324	03/24/15	00:00:00	23:59:55	23:59:55	17280	1804.6	1803.3	1805.6	69.0	68.1	70.5	62.8	51.0	80.7	63.0	55.5	74.3
CAES150325	03/25/15	00:00:00	23:59:55	23:59:55	17280	1802.7	1797.5	1806.5	69.2	68.2	70.6	70.0	49.5	96.3	66.6	55.2	84.5

Attachment 2 - Continuous Monitoring Device Data for Piacentine 1-27 - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min)	Number of Data Points	Piacentine 1-27 Well											
						PIT-016A (PSIG) Tubing Pressure			PIT-016B (PSIG) Annulus Pressure			TIT-016A (°F) Tubing Temperature			TIT-016B (°F) Annulus Temperature		
						Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150326	03/26/15	00:00:00	23:59:55	23:59:55	17280	1810.3	1804.1	1814.5	69.7	68.2	71.3	75.1	49.7	106.3	70.0	56.8	88.9
CAES150327	03/27/15	00:00:00	23:59:55	23:59:55	17280	1817.3	1814.4	1820.2	70.0	69.1	71.4	72.2	53.0	96.2	70.4	59.6	87.8
CAES150328	03/28/15	00:00:00	23:59:55	23:59:55	17280	1821.6	1819.4	1823.9	69.8	69.1	71.4	70.4	51.8	96.1	69.1	57.9	88.2
CAES150329	03/29/15	00:00:00	23:59:55	23:59:55	17280	1822.0	1821.0	1823.3	70.0	68.2	71.4	72.7	48.2	100.0	70.2	56.4	90.2
CAES150330	03/30/15	00:00:00	23:59:55	23:59:55	17280	1726.2	(1)	1827.5	70.0	68.2	71.3	69.7	47.8	97.4	69.0	56.8	86.9
CAES150331	03/31/15	00:00:00	23:59:55	23:59:55	17280	1827.1	1826.0	1828.4	69.9	69.1	70.6	66.7	54.7	83.3	67.0	58.6	80.6
CAES150401	04/01/15	00:00:00	23:59:55	23:59:55	17280	1821.8	1814.4	1829.2	69.3	68.1	70.6	61.3	43.8	82.1	63.0	52.9	78.5
CAES150402	04/02/15	00:00:00	23:59:55	23:59:55	17280	1811.0	1808.6	1814.5	69.1	67.9	70.6	63.0	48.4	83.0	64.0	53.6	80.8
CAES150403	04/03/15	00:00:00	23:59:55	23:59:55	16140	1813.4	1806.5	1822.5	69.5	67.9	71.3	65.3	43.6	91.1	65.5	52.8	84.1
CAES150404	04/04/15	00:00:00	23:59:55	23:59:55	17280	1274.8	(2)	1826.2	69.7	68.2	72.1	60.4	42.8	84.2	62.4	52.7	78.2
CAES150405	04/05/15	00:00:00	23:59:55	23:59:55	17280	1824.7	1822.4	1826.9	69.3	68.2	70.6	55.3	46.1	67.2	57.9	53.3	65.4
CAES150406	04/06/15	00:00:00	23:59:55	23:59:55	17280	1828.3	1826.0	1829.9	69.2	68.2	70.7	57.2	38.0	76.4	58.7	48.1	71.3
CAES150407	04/07/15	00:00:00	23:59:55	23:59:55	17280	1831.2	1829.8	1832.7	68.9	68.2	69.8	52.4	46.0	66.0	54.2	49.6	62.2
CAES150408	04/08/15	00:00:00	23:59:55	23:59:55	17280	1834.1	1832.6	1835.8	69.0	68.2	70.7	57.0	41.2	79.3	57.3	48.7	72.1
CAES150409	04/09/15	00:00:00	23:59:55	23:59:55	17280	1837.1	1835.7	1838.6	69.5	68.2	70.7	62.9	40.1	89.0	61.0	49.6	77.3
CAES150410	04/10/15	00:00:00	23:59:55	23:59:55	17280	1837.3	1837.0	1837.9	70.0	69.1	71.4	65.1	44.4	89.9	63.7	52.7	80.5
CAES150411	04/11/15	00:00:00	23:59:55	23:59:55	17280	1838.3	1837.1	1839.3	70.1	69.1	71.3	65.7	46.0	91.6	64.5	53.6	81.7
CAES150412	04/12/15	00:00:00	23:59:55	23:59:55	17280	1839.1	1837.1	1840.1	70.4	69.1	72.0	70.0	48.0	95.9	67.0	54.5	85.0
CAES150413	04/13/15	00:00:00	23:59:55	23:59:55	17280	1840.7	1839.2	1842.2	70.6	69.1	72.0	65.9	47.5	85.9	65.8	55.6	80.5
CAES150414	04/14/15	00:00:00	23:59:55	23:59:55	17280	1843.9	1841.4	1846.7	70.5	69.2	72.0	61.4	44.7	78.7	62.1	52.1	76.3
CAES150415	04/15/15	00:00:00	23:59:55	23:59:55	17280	1848.5	1845.9	1850.3	71.0	69.6	72.8	64.7	46.7	86.8	63.8	52.4	80.8
CAES150416	04/16/15	00:00:00	23:59:55	23:59:55	17280	1847.9	1840.0	1852.0	71.8	69.8	73.4	71.1	43.8	99.5	67.4	52.6	87.1
CAES150417	04/17/15	00:00:00	23:59:55	23:59:55	17280	1836.0	1832.7	1840.1	72.5	70.9	74.3	73.2	47.2	100.1	70.0	55.8	89.0
CAES150418	04/18/15	00:00:00	23:59:55	23:59:55	14138	1835.2	1831.2	1840.2	73.5	71.8	74.9	74.5	50.4	103.9	71.1	58.1	90.3
CAES150419	04/19/15	00:00:00	23:59:55	23:59:55	17280	1842.9	1840.0	1845.2	74.3	72.8	75.8	72.3	52.5	101.2	70.8	59.4	89.7
CAES150420	04/20/15	00:00:00	23:59:55	23:59:55	17280	1846.6	1844.4	1849.6	74.9	73.4	76.4	66.0	51.9	86.1	67.0	57.7	82.4
CAES150421	04/21/15	00:00:00	23:59:55	23:59:55	17280	1850.7	1848.7	1852.5	75.6	74.3	77.3	64.1	51.6	82.4	65.0	56.5	78.2
CAES150422	04/22/15	00:00:00	23:59:55	23:59:55	17280	1853.9	1852.4	1855.4	76.9	74.9	78.7	67.8	48.7	95.0	67.2	56.5	83.9
CAES150423	04/23/15	00:00:00	23:59:55	23:59:55	17280	1857.2	1855.3	1859.1	78.4	76.3	80.1	68.5	50.4	91.4	68.5	58.2	84.1
CAES150424	04/24/15	00:00:00	23:59:55	23:59:55	16748	1855.4	1850.2	1859.1	79.3	77.8	81.0	65.5	55.2	80.7	66.5	59.0	79.2
CAES150425	04/25/15	00:00:00	23:59:55	23:59:55	17280	1859.6	1856.8	1862.0	80.2	78.6	81.5	64.0	52.9	81.5	63.7	56.3	76.5
CAES150426	04/26/15	00:00:00	23:59:55	23:59:55	17280	1863.2	1861.2	1864.9	81.8	80.0	83.9	67.8	49.1	90.5	66.2	54.9	83.1
CAES150427	04/27/15	00:00:00	23:59:55	23:59:55	17280	1866.0	1864.2	1867.2	84.0	82.4	86.0	78.5	53.7	108.6	72.2	58.6	91.3
CAES150428	04/28/15	00:00:00	23:59:55	23:59:55	17280	1868.3	1867.1	1869.3	85.8	83.8	87.6	74.6	52.6	98.6	72.5	60.3	89.5
CAES150429	04/29/15	00:00:00	23:59:55	23:59:55	17280	1444.4	(3)	1871.0	69.2	(3)	88.2	72.6	48.7	99.0	71.3	58.2	89.5
CAES150430	04/30/15	00:00:00	23:59:55	23:59:55	17280	1838.3	(4)	1862.9	89.0	86.7	91.3	79.0	52.3	110.1	73.8	60.2	92.9
					February Monthly Data (Operating Conditions Only):	1712.8	1687.7	1744.1	74.9	70.5	82.4	57.9	32.8	90.8	57.7	43.1	76.4
					March Monthly Data (Operating Conditions Only):	1786.7	1736.9	1827.5	69.8	68.1	72.9	65.9	37.0	106.3	64.4	46.7	90.2
					April Monthly Data (Operating Conditions Only):	1842.0	1806.5	1871.0	74.3	67.9	91.3	66.2	38.0	110.1	65.5	48.1	92.9

Notes:

1) Data are missing on 3/30/15 because the BHP tools were installed in the well for the mid-bubble build pressure survey and the pressure transmitter was taken out of service.

2) Data are missing on 4/4/15 because the Halliburton TMDL log was run in the well and the pressure transmitter was taken out of service.

3) Data are missing on 4/29/15 because the Piacentine 1-27 wellhead was out of service due to conducting temperature logging in the well.

4) Data are missing on 4/30/15 because the Piacentine 1-27 wellhead was out of service due to installation of the pressure-temperature recorder.

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/08/15	01:00:00	1686.3	21.7	56.5	57.3
02/08/15	02:00:00	1686.3	21.8	57.1	57.5
02/08/15	03:00:00	1686.3	21.8	57.8	57.8
02/08/15	04:00:00	1686.3	21.7	57.5	57.9
02/08/15	05:00:00	1686.3	21.9	57.5	57.9
02/08/15	06:00:00	1686.3	21.9	58.4	58.2
02/08/15	07:00:00	1686.3	22.0	58.8	58.4
02/08/15	08:00:00	1686.3	22.1	59.0	58.5
02/08/15	09:00:00	1686.3	22.0	58.5	58.2
02/08/15	10:00:00	1686.3	22.0	58.3	58.1
02/08/15	11:00:00	1686.4	22.0	60.2	59.1
02/08/15	12:00:00	1686.4	22.1	62.0	60.1
02/08/15	13:00:00	1686.3	22.1	61.7	60.5
02/08/15	14:00:00	1686.4	22.1	61.1	60.8
02/08/15	15:00:00	1686.3	22.1	61.3	60.6
02/08/15	16:00:00	1686.4	22.1	61.7	60.6
02/08/15	17:00:00	1686.3	22.1	62.9	60.6
02/08/15	18:00:00	1686.3	22.1	64.1	60.7
02/08/15	19:00:00	1686.3	22.0	62.5	60.6
02/08/15	20:00:00	1686.4	22.1	62.0	60.3
02/08/15	21:00:00	1686.4	22.1	61.3	59.7
02/08/15	22:00:00	1686.3	22.1	60.2	59.2
02/08/15	23:00:00	1686.3	22.1	59.5	58.7
02/09/15	00:00:00	1686.5	22.1	59.5	58.2
02/09/15	01:00:00	1686.4	22.1	60.0	57.8
02/09/15	02:00:00	1686.4	22.1	58.9	57.4
02/09/15	03:00:00	1686.3	22.1	57.4	57.0
02/09/15	04:00:00	1686.5	22.1	57.2	56.8
02/09/15	05:00:00	1686.3	22.1	57.5	56.6
02/09/15	06:00:00	1686.5	22.1	57.5	56.5
02/09/15	07:00:00	1686.4	22.1	57.0	56.2
02/09/15	08:00:00	1686.4	22.1	56.6	56.1
02/09/15	09:00:00	1686.9	22.5	58.2	56.2
02/09/15	10:00:00	1687.0	22.8	63.9	57.7
02/09/15	11:00:00	1687.0	22.8	68.9	60.4
02/09/15	12:00:00	1686.9	22.8	72.6	63.0
02/09/15	13:00:00	1686.7	22.7	75.7	65.3
02/09/15	14:00:00	1686.5	22.5	77.4	66.9
02/09/15	15:00:00	1686.4	22.7	80.2	68.8
02/09/15	16:00:00	1686.4	22.6	81.4	69.2
02/09/15	17:00:00	1686.4	22.8	80.1	67.4
02/09/15	18:00:00	1686.5	22.8	73.8	65.1
02/09/15	19:00:00	1686.5	22.8	66.9	62.6
02/09/15	20:00:00	1686.6	22.7	61.7	60.6
02/09/15	21:00:00	1686.4	22.6	58.2	58.9
02/09/15	22:00:00	1686.5	22.4	55.0	57.2
02/09/15	23:00:00	1686.4	22.2	52.2	55.9
02/10/15	00:00:00	1686.4	22.1	49.5	54.5
02/10/15	01:00:00	1686.3	22.1	47.6	53.7
02/10/15	02:00:00	1686.4	22.1	46.4	53.0
02/10/15	03:00:00	1686.5	22.1	45.7	52.3
02/10/15	04:00:00	1686.4	22.1	45.2	51.8
02/10/15	05:00:00	1686.7	22.1	44.3	51.1
02/10/15	06:00:00	1686.4	22.1	43.5	50.6
02/10/15	07:00:00	1686.6	22.1	42.6	50.0
02/10/15	08:00:00	1686.8	22.1	42.3	49.8
02/10/15	09:00:00	1687.0	22.7	46.7	50.8
02/10/15	10:00:00	1687.1	22.8	53.4	53.6
02/10/15	11:00:00	1687.1	22.8	59.5	56.6
02/10/15	12:00:00	1687.0	22.8	64.4	59.3
02/10/15	13:00:00	1687.1	22.6	67.7	61.5
02/10/15	14:00:00	1687.1	22.7	71.0	63.5
02/10/15	15:00:00	1687.1	22.7	72.6	64.5
02/10/15	16:00:00	1687.2	18.8	70.1	63.3
02/10/15	17:00:00	1687.3	86.0	68.8	62.4
02/10/15	18:00:00	1687.2	86.0	66.4	60.9
02/10/15	19:00:00	1687.2	85.4	62.4	59.2
02/10/15	20:00:00	1687.1	85.3	58.7	57.5
02/10/15	21:00:00	1687.3	85.2	55.2	56.0
02/10/15	22:00:00	1687.2	84.8	52.2	54.7
02/10/15	23:00:00	1687.2	84.5	49.6	53.4
02/11/15	00:00:00	1687.2	84.5	47.4	52.4
02/11/15	01:00:00	1687.4	84.5	45.5	51.6
02/11/15	02:00:00	1687.3	84.2	44.0	50.8
02/11/15	03:00:00	1687.5	83.9	42.8	50.0
02/11/15	04:00:00	1687.2	83.8	41.8	49.4
02/11/15	05:00:00	1687.4	83.8	40.8	48.8
02/11/15	06:00:00	1687.4	83.8	39.7	48.3
02/11/15	07:00:00	1687.4	83.7	39.0	47.7
02/11/15	08:00:00	1687.6	83.4	38.6	47.4
02/11/15	09:00:00	1687.7	83.8	43.4	48.5
02/11/15	10:00:00	1687.7	84.1	50.9	51.4
02/11/15	11:00:00	1687.7	84.4	59.0	55.2
02/11/15	12:00:00	1687.7	84.5	65.9	58.7
02/11/15	13:00:00	1687.7	84.5	72.2	62.5
02/11/15	14:00:00	1687.5	84.4	76.3	65.5
02/11/15	15:00:00	1687.3	84.5	80.5	68.1
02/11/15	16:00:00	1687.2	84.7	81.1	68.6
02/11/15	17:00:00	1687.6	84.7	77.8	66.4

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/11/15	18:00:00	1687.6	84.5	73.0	64.4
02/11/15	19:00:00	1687.5	84.5	68.5	62.4
02/11/15	20:00:00	1687.6	84.2	64.4	60.6
02/11/15	21:00:00	1687.6	83.9	60.9	59.1
02/11/15	22:00:00	1687.6	83.8	58.1	57.9
02/11/15	23:00:00	1687.6	83.8	55.5	56.7
02/12/15	00:00:00	1687.6	83.6	53.2	55.6
02/12/15	01:00:00	1687.7	83.1	51.3	54.7
02/12/15	02:00:00	1687.7	82.9	49.6	53.9
02/12/15	03:00:00	1687.7	82.9	48.2	53.2
02/12/15	04:00:00	1687.7	82.9	46.9	52.4
02/12/15	05:00:00	1687.6	82.8	45.6	51.7
02/12/15	06:00:00	1687.7	82.6	44.5	51.1
02/12/15	07:00:00	1687.8	82.4	43.6	50.3
02/12/15	08:00:00	1687.8	82.3	43.3	50.1
02/12/15	09:00:00	1687.8	82.8	47.8	51.0
02/12/15	10:00:00	1687.8	82.9	55.0	53.7
02/12/15	11:00:00	1687.8	83.2	62.2	57.2
02/12/15	12:00:00	1687.8	83.4	69.2	61.1
02/12/15	13:00:00	1687.8	83.1	75.1	64.7
02/12/15	14:00:00	1687.7	83.3	80.4	68.2
02/12/15	15:00:00	1687.6	83.1	84.7	71.2
02/12/15	16:00:00	1687.6	83.3	87.8	73.5
02/12/15	17:00:00	1687.4	83.6	88.3	71.2
02/12/15	18:00:00	1687.7	83.9	84.1	68.7
02/12/15	19:00:00	1687.7	83.6	77.5	66.2
02/12/15	20:00:00	1687.6	83.0	71.7	63.9
02/12/15	21:00:00	1687.6	82.9	66.4	61.7
02/12/15	22:00:00	1687.7	82.8	62.0	59.9
02/12/15	23:00:00	1687.7	82.5	58.4	58.3
02/13/15	00:00:00	1687.7	82.3	55.3	56.9
02/13/15	01:00:00	1687.7	82.3	52.7	55.7
02/13/15	02:00:00	1687.7	82.2	50.5	54.7
02/13/15	03:00:00	1687.7	81.8	48.6	53.9
02/13/15	04:00:00	1687.8	81.5	47.0	53.1
02/13/15	05:00:00	1687.8	81.4	45.7	52.3
02/13/15	06:00:00	1687.8	81.4	44.6	51.8
02/13/15	07:00:00	1687.8	81.4	43.8	51.3
02/13/15	08:00:00	1687.8	81.3	43.9	51.1
02/13/15	09:00:00	1687.9	81.4	47.2	51.8
02/13/15	10:00:00	1687.9	82.1	54.8	54.5
02/13/15	11:00:00	1687.8	82.2	62.7	58.3
02/13/15	12:00:00	1687.8	82.2	69.8	62.2
02/13/15	13:00:00	1687.8	82.3	76.5	66.1
02/13/15	14:00:00	1687.6	82.3	82.7	70.0
02/13/15	15:00:00	1687.7	82.3	86.9	72.8
02/13/15	16:00:00	1687.7	82.3	90.0	75.4
02/13/15	17:00:00	1689.0	82.6	89.5	72.9
02/13/15	18:00:00	1689.3	82.9	83.9	69.9
02/13/15	19:00:00	1688.5	82.3	76.9	67.1
02/13/15	20:00:00	1688.3	82.2	70.9	64.5
02/13/15	21:00:00	1688.2	81.9	66.0	62.5
02/13/15	22:00:00	1688.2	81.5	61.5	60.5
02/13/15	23:00:00	1687.9	81.5	58.1	58.9
02/14/15	00:00:00	1687.8	81.4	55.5	57.7
02/14/15	01:00:00	1687.8	81.0	53.1	56.4
02/14/15	02:00:00	1687.8	80.8	51.3	55.4
02/14/15	03:00:00	1687.8	80.8	50.1	54.7
02/14/15	04:00:00	1687.8	80.8	48.7	54.0
02/14/15	05:00:00	1687.8	80.7	47.5	53.2
02/14/15	06:00:00	1687.8	80.5	46.2	52.5
02/14/15	07:00:00	1687.8	80.1	44.7	51.7
02/14/15	08:00:00	1687.8	80.0	43.6	51.2
02/14/15	09:00:00	1688.2	80.4	46.7	51.9
02/14/15	10:00:00	1688.2	80.9	54.9	54.9
02/14/15	11:00:00	1688.4	81.0	59.4	56.9
02/14/15	12:00:00	1687.8	81.2	72.9	64.4
02/14/15	13:00:00	1687.7	81.0	76.4	66.7
02/14/15	14:00:00	1688.2	81.0	81.3	70.3
02/14/15	15:00:00	1692.1	81.3	85.7	73.4
02/14/15	16:00:00	1695.0	81.5	89.0	75.9
02/14/15	17:00:00	1697.1	81.5	90.6	73.6
02/14/15	18:00:00	1696.3	82.0	88.3	71.0
02/14/15	19:00:00	1696.6	81.5	80.7	68.3
02/14/15	20:00:00	1697.3	81.4	73.3	65.5
02/14/15	21:00:00	1698.1	81.1	67.5	63.2
02/14/15	22:00:00	1698.7	81.0	62.9	61.1
02/14/15	23:00:00	1699.4	80.8	58.7	59.3
02/15/15	00:00:00	1699.6	80.4	55.5	57.7
02/15/15	01:00:00	1699.7	80.1	52.8	56.5
02/15/15	02:00:00	1699.7	80.1	50.6	55.4
02/15/15	03:00:00	1698.6	80.0	48.6	54.3
02/15/15	04:00:00	1699.8	79.7	47.0	53.5
02/15/15	05:00:00	1700.8	79.6	45.9	52.9
02/15/15	06:00:00	1701.5	79.4	44.9	52.3
02/15/15	07:00:00	1701.7	79.4	44.8	52.0
02/15/15	08:00:00	1702.4	79.4	44.7	51.7
02/15/15	09:00:00	1702.7	79.7	48.1	52.4
02/15/15	10:00:00	1702.5	80.1	55.8	55.2

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/15/15	11:00:00	1702.2	80.1	63.8	58.9
02/15/15	12:00:00	1702.2	80.2	71.0	62.8
02/15/15	13:00:00	1702.3	80.2	77.2	66.4
02/15/15	14:00:00	1701.8	80.4	82.5	69.8
02/15/15	15:00:00	1700.5	80.7	85.7	72.0
02/15/15	16:00:00	1700.8	81.0	85.7	72.1
02/15/15	17:00:00	1701.2	81.0	84.1	70.7
02/15/15	18:00:00	1701.4	81.0	80.3	68.6
02/15/15	19:00:00	1701.5	80.5	75.0	66.3
02/15/15	20:00:00	1702.1	80.2	69.5	63.9
02/15/15	21:00:00	1702.3	80.1	64.7	62.0
02/15/15	22:00:00	1702.6	79.9	60.9	60.3
02/15/15	23:00:00	1702.7	79.4	57.7	58.8
02/16/15	00:00:00	1703.0	79.4	55.0	57.5
02/16/15	01:00:00	1703.0	79.4	52.7	56.4
02/16/15	02:00:00	1703.6	79.3	50.7	55.4
02/16/15	03:00:00	1703.8	79.1	49.1	54.5
02/16/15	04:00:00	1704.1	78.7	47.7	53.7
02/16/15	05:00:00	1704.3	78.7	46.3	53.0
02/16/15	06:00:00	1704.3	78.7	45.3	52.4
02/16/15	07:00:00	1704.3	78.7	44.5	51.8
02/16/15	08:00:00	1704.4	78.6	44.2	51.4
02/16/15	09:00:00	1704.5	78.7	48.5	52.4
02/16/15	10:00:00	1704.5	79.0	56.0	55.2
02/16/15	11:00:00	1704.5	79.3	63.7	59.0
02/16/15	12:00:00	1704.4	79.3	70.3	62.9
02/16/15	13:00:00	1704.0	79.3	75.9	66.6
02/16/15	14:00:00	1703.8	79.3	80.4	69.7
02/16/15	15:00:00	1703.3	79.4	84.7	72.8
02/16/15	16:00:00	1703.1	79.4	87.9	75.4
02/16/15	17:00:00	1703.2	79.6	89.1	73.4
02/16/15	18:00:00	1703.7	80.0	85.6	70.7
02/16/15	19:00:00	1703.8	79.5	79.1	68.0
02/16/15	20:00:00	1703.8	79.4	72.6	65.5
02/16/15	21:00:00	1704.0	79.3	67.1	63.3
02/16/15	22:00:00	1704.3	78.9	62.9	61.4
02/16/15	23:00:00	1704.4	78.7	59.4	59.8
02/17/15	00:00:00	1704.7	78.7	56.7	58.6
02/17/15	01:00:00	1704.7	78.6	54.2	57.3
02/17/15	02:00:00	1705.2	78.3	51.8	56.2
02/17/15	03:00:00	1705.2	78.1	50.0	55.2
02/17/15	04:00:00	1705.3	78.0	48.7	54.3
02/17/15	05:00:00	1705.9	77.9	47.4	53.7
02/17/15	06:00:00	1706.0	78.0	48.1	53.6
02/17/15	07:00:00	1704.1	77.9	49.3	53.7
02/17/15	08:00:00	1701.5	77.8	49.0	53.6
02/17/15	09:00:00	1699.8	77.8	51.2	54.3
02/17/15	10:00:00	1698.7	77.9	53.7	55.6
02/17/15	11:00:00	1697.9	77.9	55.8	56.8
02/17/15	12:00:00	1697.3	77.9	60.2	59.0
02/17/15	13:00:00	1696.7	78.2	66.4	62.2
02/17/15	14:00:00	1696.3	78.0	72.0	65.7
02/17/15	15:00:00	1695.8	78.1	75.7	68.5
02/17/15	16:00:00	1695.6	78.3	76.9	70.2
02/17/15	17:00:00	1695.0	78.3	74.4	67.4
02/17/15	18:00:00	1694.9	78.5	68.2	63.7
02/17/15	19:00:00	1694.9	78.0	60.5	60.4
02/17/15	20:00:00	1694.8	77.9	56.2	58.1
02/17/15	21:00:00	1694.3	77.6	53.9	56.6
02/17/15	22:00:00	1694.2	77.3	52.7	55.5
02/17/15	23:00:00	1694.2	77.2	51.8	54.7
02/18/15	00:00:00	1694.2	77.2	51.2	54.1
02/18/15	01:00:00	1693.8	77.2	50.5	53.6
02/18/15	02:00:00	1693.6	77.1	49.9	53.1
02/18/15	03:00:00	1693.5	76.9	49.3	52.8
02/18/15	04:00:00	1693.5	76.8	48.7	52.4
02/18/15	05:00:00	1693.5	76.6	48.1	52.1
02/18/15	06:00:00	1693.5	76.4	47.5	51.8
02/18/15	07:00:00	1693.5	76.3	46.4	51.3
02/18/15	08:00:00	1693.5	76.3	45.6	51.0
02/18/15	09:00:00	1693.5	76.8	49.5	52.3
02/18/15	10:00:00	1693.5	77.1	56.8	55.4
02/18/15	11:00:00	1693.4	77.1	61.3	57.9
02/18/15	12:00:00	1693.3	77.1	62.3	58.8
02/18/15	13:00:00	1693.1	77.1	62.6	59.4
02/18/15	14:00:00	1693.0	77.2	63.8	60.4
02/18/15	15:00:00	1692.8	76.4	69.3	64.1
02/18/15	16:00:00	1692.7	76.9	74.8	67.2
02/18/15	17:00:00	1692.8	77.2	77.1	66.3
02/18/15	18:00:00	1692.7	77.3	74.9	64.3
02/18/15	19:00:00	1692.7	77.2	69.9	62.3
02/18/15	20:00:00	1692.7	77.1	65.0	60.4
02/18/15	21:00:00	1692.7	76.7	60.9	58.8
02/18/15	22:00:00	1692.7	76.3	57.2	57.1
02/18/15	23:00:00	1693.7	76.3	53.8	55.6
02/19/15	00:00:00	1696.1	76.3	50.8	54.4
02/19/15	01:00:00	1697.8	76.3	48.8	53.6
02/19/15	02:00:00	1696.5	76.0	47.1	52.8
02/19/15	03:00:00	1695.4	75.8	46.7	52.8

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/19/15	04:00:00	1694.8	75.8	47.6	53.0
02/19/15	05:00:00	1696.6	75.8	48.5	53.1
02/19/15	06:00:00	1698.3	75.9	48.8	53.1
02/19/15	07:00:00	1699.5	75.8	49.0	53.2
02/19/15	08:00:00	1700.5	75.8	49.5	53.5
02/19/15	09:00:00	1701.1	75.8	50.8	53.9
02/19/15	10:00:00	1701.5	75.8	52.6	54.7
02/19/15	11:00:00	1702.1	75.9	54.3	55.5
02/19/15	12:00:00	1702.5	76.0	55.3	56.2
02/19/15	13:00:00	1702.9	76.0	56.4	56.8
02/19/15	14:00:00	1703.0	76.2	57.7	57.4
02/19/15	15:00:00	1703.3	76.1	58.1	57.7
02/19/15	16:00:00	1703.8	76.2	58.4	57.9
02/19/15	17:00:00	1703.8	76.1	58.2	57.8
02/19/15	18:00:00	1703.9	75.9	57.5	57.5
02/19/15	19:00:00	1704.1	75.8	56.8	57.2
02/19/15	20:00:00	1704.4	75.8	55.9	56.8
02/19/15	21:00:00	1704.4	75.8	55.2	56.6
02/19/15	22:00:00	1704.4	75.8	54.8	56.4
02/19/15	23:00:00	1704.7	75.8	54.3	56.1
02/20/15	00:00:00	1705.1	75.8	54.0	56.0
02/20/15	01:00:00	1705.2	75.8	53.8	55.9
02/20/15	02:00:00	1705.2	75.7	53.6	55.7
02/20/15	03:00:00	1705.2	75.7	53.4	55.5
02/20/15	04:00:00	1705.2	75.8	53.2	55.4
02/20/15	05:00:00	1705.8	75.5	53.0	55.3
02/20/15	06:00:00	1705.9	75.4	52.9	55.1
02/20/15	07:00:00	1706.0	75.3	52.6	54.8
02/20/15	08:00:00	1706.0	75.1	51.8	54.3
02/20/15	09:00:00	1706.0	75.0	51.7	54.4
02/20/15	10:00:00	1706.0	75.0	52.3	54.7
02/20/15	11:00:00	1705.0	74.9	53.0	55.0
02/20/15	12:00:00	1702.5	74.9	54.3	55.8
02/20/15	13:00:00	1700.7	74.9	61.0	59.3
02/20/15	14:00:00	1699.7	75.0	68.1	63.0
02/20/15	15:00:00	1698.9	74.9	74.4	66.9
02/20/15	16:00:00	1698.9	75.1	78.3	70.0
02/20/15	17:00:00	1701.0	75.5	77.9	67.9
02/20/15	18:00:00	1702.5	75.8	74.0	64.9
02/20/15	19:00:00	1700.8	75.7	66.5	62.1
02/20/15	20:00:00	1701.0	75.4	59.7	59.5
02/20/15	21:00:00	1702.6	75.0	55.1	57.4
02/20/15	22:00:00	1703.8	74.9	52.3	55.8
02/20/15	23:00:00	1704.6	74.9	50.3	54.6
02/21/15	00:00:00	1705.2	74.8	49.0	53.6
02/21/15	01:00:00	1705.8	74.7	48.4	53.0
02/21/15	02:00:00	1706.0	74.7	49.2	53.1
02/21/15	03:00:00	1706.4	74.5	49.5	53.2
02/21/15	04:00:00	1706.7	74.4	49.7	53.4
02/21/15	05:00:00	1706.7	74.4	49.8	53.5
02/21/15	06:00:00	1707.0	74.4	49.8	53.5
02/21/15	07:00:00	1707.4	74.4	49.8	53.4
02/21/15	08:00:00	1707.4	74.3	49.8	53.4
02/21/15	09:00:00	1707.4	74.3	50.0	53.5
02/21/15	10:00:00	1707.5	74.3	50.8	53.9
02/21/15	11:00:00	1707.8	74.3	52.3	54.6
02/21/15	12:00:00	1707.8	74.4	54.3	55.6
02/21/15	13:00:00	1708.0	74.4	57.2	57.1
02/21/15	14:00:00	1707.8	74.4	63.3	60.3
02/21/15	15:00:00	1707.4	74.4	69.5	64.2
02/21/15	16:00:00	1707.4	74.4	73.7	67.4
02/21/15	17:00:00	1707.4	74.6	74.8	66.0
02/21/15	18:00:00	1707.4	74.9	71.2	63.3
02/21/15	19:00:00	1707.5	74.9	63.9	60.7
02/21/15	20:00:00	1707.8	74.6	57.8	58.3
02/21/15	21:00:00	1707.9	74.4	53.9	56.5
02/21/15	22:00:00	1708.1	74.4	50.7	54.9
02/21/15	23:00:00	1708.1	74.2	48.5	53.6
02/22/15	00:00:00	1708.2	74.1	46.9	52.9
02/22/15	01:00:00	1708.1	73.8	46.6	52.8
02/22/15	02:00:00	1708.2	73.8	47.2	52.7
02/22/15	03:00:00	1708.2	73.7	47.7	52.8
02/22/15	04:00:00	1708.2	73.5	48.0	52.8
02/22/15	05:00:00	1708.2	73.6	47.3	52.0
02/22/15	06:00:00	1708.3	73.5	45.8	51.1
02/22/15	07:00:00	1708.5	73.5	44.4	50.3
02/22/15	08:00:00	1708.9	73.5	44.0	49.7
02/22/15	09:00:00	1708.9	73.8	47.7	50.8
02/22/15	10:00:00	1708.9	74.3	54.1	53.7
02/22/15	11:00:00	1709.0	74.4	60.0	56.7
02/22/15	12:00:00	1708.9	74.4	64.8	59.9
02/22/15	13:00:00	1708.9	74.4	69.3	63.1
02/22/15	14:00:00	1708.8	74.3	72.7	65.9
02/22/15	15:00:00	1708.8	74.3	73.8	67.8
02/22/15	16:00:00	1708.9	74.2	74.1	69.2
02/22/15	17:00:00	1709.0	74.3	72.4	66.2
02/22/15	18:00:00	1709.0	74.4	67.8	62.4
02/22/15	19:00:00	1709.3	74.3	61.1	59.4
02/22/15	20:00:00	1709.5	74.0	56.8	57.1

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/22/15	21:00:00	1709.6	73.5	53.3	55.2
02/22/15	22:00:00	1709.7	73.4	50.4	53.7
02/22/15	23:00:00	1709.7	73.4	48.4	52.4
02/23/15	00:00:00	1710.2	73.3	48.0	51.7
02/23/15	01:00:00	1710.4	73.2	48.0	51.2
02/23/15	02:00:00	1710.4	72.9	47.5	50.6
02/23/15	03:00:00	1710.4	72.9	46.3	49.8
02/23/15	04:00:00	1710.4	72.9	45.2	49.1
02/23/15	05:00:00	1710.4	72.9	43.8	48.5
02/23/15	06:00:00	1710.5	72.9	42.2	47.9
02/23/15	07:00:00	1710.5	72.7	40.9	47.2
02/23/15	08:00:00	1710.8	72.5	40.5	46.8
02/23/15	09:00:00	1711.0	72.9	43.8	48.4
02/23/15	10:00:00	1711.0	72.9	50.6	51.5
02/23/15	11:00:00	1711.0	73.2	57.2	54.9
02/23/15	12:00:00	1710.7	73.3	62.3	57.8
02/23/15	13:00:00	1710.5	73.3	67.2	61.2
02/23/15	14:00:00	1710.5	73.3	72.0	64.5
02/23/15	15:00:00	1710.7	73.4	74.4	67.2
02/23/15	16:00:00	1712.4	73.4	74.8	68.9
02/23/15	17:00:00	1713.8	73.4	72.9	65.8
02/23/15	18:00:00	1715.1	73.7	68.7	61.8
02/23/15	19:00:00	1715.8	73.5	61.2	58.6
02/23/15	20:00:00	1715.8	73.2	55.7	56.3
02/23/15	21:00:00	1715.1	72.9	51.7	54.3
02/23/15	22:00:00	1716.0	72.9	48.5	52.5
02/23/15	23:00:00	1716.6	72.8	45.5	51.2
02/24/15	00:00:00	1717.1	72.7	42.8	49.6
02/24/15	01:00:00	1717.5	72.2	40.2	48.2
02/24/15	02:00:00	1717.6	72.0	38.3	47.2
02/24/15	03:00:00	1717.6	72.0	36.7	46.2
02/24/15	04:00:00	1717.6	72.0	35.3	45.4
02/24/15	05:00:00	1717.7	71.9	34.0	44.6
02/24/15	06:00:00	1718.3	71.7	33.2	43.9
02/24/15	07:00:00	1718.5	71.5	33.0	43.4
02/24/15	08:00:00	1718.9	71.8	34.3	43.5
02/24/15	09:00:00	1719.1	72.1	41.0	45.9
02/24/15	10:00:00	1719.1	72.8	49.3	49.9
02/24/15	11:00:00	1719.1	72.9	56.9	53.8
02/24/15	12:00:00	1719.1	72.9	63.3	57.5
02/24/15	13:00:00	1719.1	73.0	69.3	61.3
02/24/15	14:00:00	1720.6	72.9	75.5	65.1
02/24/15	15:00:00	1721.7	72.9	81.1	69.0
02/24/15	16:00:00	1722.6	73.0	84.7	72.4
02/24/15	17:00:00	1723.2	73.2	86.2	70.6
02/24/15	18:00:00	1723.9	73.4	81.6	66.8
02/24/15	19:00:00	1723.9	73.4	73.2	63.6
02/24/15	20:00:00	1724.6	73.1	66.3	60.7
02/24/15	21:00:00	1725.1	72.9	60.3	58.2
02/24/15	22:00:00	1725.4	72.8	55.4	56.0
02/24/15	23:00:00	1725.8	72.6	51.4	54.1
02/25/15	00:00:00	1725.8	72.2	47.7	52.4
02/25/15	01:00:00	1726.4	72.0	44.4	51.0
02/25/15	02:00:00	1726.6	72.0	42.3	49.9
02/25/15	03:00:00	1727.0	71.9	40.3	48.7
02/25/15	04:00:00	1727.2	71.7	38.7	47.8
02/25/15	05:00:00	1727.2	71.6	37.7	47.2
02/25/15	06:00:00	1727.2	71.4	36.6	46.4
02/25/15	07:00:00	1728.0	71.3	35.5	45.7
02/25/15	08:00:00	1728.2	71.6	36.1	45.6
02/25/15	09:00:00	1728.7	72.0	42.4	47.7
02/25/15	10:00:00	1728.8	72.5	50.6	51.4
02/25/15	11:00:00	1727.7	72.8	57.6	54.9
02/25/15	12:00:00	1726.5	72.7	64.2	58.4
02/25/15	13:00:00	1725.6	72.9	70.7	62.4
02/25/15	14:00:00	1721.9	72.7	76.4	66.2
02/25/15	15:00:00	1719.3	73.0	79.2	68.1
02/25/15	16:00:00	1717.5	72.7	78.7	69.4
02/25/15	17:00:00	1716.1	72.9	78.8	68.6
02/25/15	18:00:00	1716.7	72.9	74.7	65.5
02/25/15	19:00:00	1719.3	72.9	69.6	62.9
02/25/15	20:00:00	1722.8	72.9	64.1	60.5
02/25/15	21:00:00	1725.1	72.5	59.8	58.4
02/25/15	22:00:00	1726.4	72.1	55.9	56.7
02/25/15	23:00:00	1727.2	72.0	52.6	55.1
02/26/15	00:00:00	1728.1	72.0	50.0	53.8
02/26/15	01:00:00	1728.8	71.9	47.7	52.7
02/26/15	02:00:00	1729.5	71.7	45.8	51.8
02/26/15	03:00:00	1729.9	71.6	44.2	51.0
02/26/15	04:00:00	1730.4	71.4	43.0	50.1
02/26/15	05:00:00	1730.8	71.3	41.8	49.5
02/26/15	06:00:00	1731.1	71.3	40.9	48.9
02/26/15	07:00:00	1731.8	71.3	40.0	48.4
02/26/15	08:00:00	1732.1	71.4	40.8	48.3
02/26/15	09:00:00	1732.3	71.9	46.3	50.2
02/26/15	10:00:00	1732.5	72.1	53.8	53.7
02/26/15	11:00:00	1732.4	72.4	61.0	57.3
02/26/15	12:00:00	1732.5	72.2	67.2	61.3
02/26/15	13:00:00	1732.3	72.4	72.4	64.8

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/26/15	14:00:00	1732.1	72.4	77.2	68.1
02/26/15	15:00:00	1728.3	72.2	80.9	71.6
02/26/15	16:00:00	1724.7	72.3	82.6	74.3
02/26/15	17:00:00	1722.5	72.7	82.1	72.0
02/26/15	18:00:00	1722.4	72.9	77.8	68.6
02/26/15	19:00:00	1726.0	72.9	70.2	65.3
02/26/15	20:00:00	1728.4	72.4	64.4	62.6
02/26/15	21:00:00	1729.9	72.2	61.0	60.6
02/26/15	22:00:00	1730.9	72.0	59.0	59.3
02/26/15	23:00:00	1731.6	72.0	57.3	58.1
02/27/15	00:00:00	1732.3	72.0	56.1	57.2
02/27/15	01:00:00	1732.8	71.9	54.8	56.3
02/27/15	02:00:00	1733.2	71.6	53.4	55.4
02/27/15	03:00:00	1733.5	71.5	52.5	54.8
02/27/15	04:00:00	1733.8	71.4	51.7	54.2
02/27/15	05:00:00	1734.4	71.3	51.4	53.9
02/27/15	06:00:00	1734.6	71.3	51.4	53.7
02/27/15	07:00:00	1734.4	71.3	51.4	53.4
02/27/15	08:00:00	1733.8	71.7	53.0	53.8
02/27/15	09:00:00	1734.6	72.0	58.2	56.1
02/27/15	10:00:00	1735.1	72.2	62.9	59.1
02/27/15	11:00:00	1735.2	72.4	66.3	62.0
02/27/15	12:00:00	1735.2	72.4	69.1	64.5
02/27/15	13:00:00	1735.4	72.1	72.0	67.0
02/27/15	14:00:00	1736.0	72.3	74.5	68.9
02/27/15	15:00:00	1736.0	72.1	75.4	70.6
02/27/15	16:00:00	1736.1	72.1	75.5	72.1
02/27/15	17:00:00	1736.8	72.1	73.1	68.7
02/27/15	18:00:00	1736.9	72.3	68.3	64.4
02/27/15	19:00:00	1737.1	72.1	61.1	61.0
02/27/15	20:00:00	1737.5	71.8	56.6	58.4
02/27/15	21:00:00	1737.9	71.5	54.3	56.7
02/27/15	22:00:00	1738.3	71.3	52.9	55.6
02/27/15	23:00:00	1738.4	71.3	51.6	54.5
02/28/15	00:00:00	1738.8	71.3	50.4	53.8
02/28/15	01:00:00	1738.9	71.3	50.3	53.6
02/28/15	02:00:00	1738.9	71.3	50.4	53.5
02/28/15	03:00:00	1738.6	71.2	50.1	53.1
02/28/15	04:00:00	1738.9	71.1	49.7	52.8
02/28/15	05:00:00	1739.2	71.0	49.6	52.7
02/28/15	06:00:00	1739.8	70.9	48.5	52.3
02/28/15	07:00:00	1739.8	70.8	47.4	51.8
02/28/15	08:00:00	1739.8	70.6	46.9	51.6
02/28/15	09:00:00	1740.1	70.7	48.3	52.4
02/28/15	10:00:00	1740.2	71.0	51.4	53.8
02/28/15	11:00:00	1740.4	71.3	57.1	56.4
02/28/15	12:00:00	1740.5	71.4	64.2	60.2
02/28/15	13:00:00	1741.2	71.6	70.2	63.9
02/28/15	14:00:00	1741.4	71.9	71.8	64.8
02/28/15	15:00:00	1741.8	71.5	70.8	65.2
02/28/15	16:00:00	1741.8	71.4	75.3	68.8
02/28/15	17:00:00	1742.4	71.9	73.9	66.2
02/28/15	18:00:00	1742.7	71.9	68.2	63.5
02/28/15	19:00:00	1742.9	71.4	61.5	60.7
02/28/15	20:00:00	1743.1	71.3	57.9	58.7
02/28/15	21:00:00	1743.2	71.3	54.8	57.1
02/28/15	22:00:00	1743.2	71.2	52.2	55.6
02/28/15	23:00:00	1743.3	70.9	49.9	54.4
03/01/15	00:00:00	1743.2	70.7	47.7	53.2
03/01/15	01:00:00	1743.8	70.6	45.7	52.0
03/01/15	02:00:00	1743.2	70.6	44.1	51.2
03/01/15	03:00:00	1741.8	70.6	42.9	50.4
03/01/15	04:00:00	1741.2	70.5	41.6	49.8
03/01/15	05:00:00	1741.0	70.4	41.4	49.6
03/01/15	06:00:00	1740.3	70.3	40.7	49.0
03/01/15	07:00:00	1740.3	70.1	39.5	48.2
03/01/15	08:00:00	1740.4	70.4	40.6	48.1
03/01/15	09:00:00	1741.3	70.8	47.4	50.5
03/01/15	10:00:00	1742.5	71.3	54.5	53.9
03/01/15	11:00:00	1742.7	71.3	60.3	57.0
03/01/15	12:00:00	1743.0	71.3	66.0	60.3
03/01/15	13:00:00	1743.2	71.3	71.3	63.6
03/01/15	14:00:00	1743.2	71.3	75.9	66.7
03/01/15	15:00:00	1743.9	71.4	79.5	69.9
03/01/15	16:00:00	1744.1	71.4	82.6	73.0
03/01/15	17:00:00	1744.1	71.3	84.2	71.5
03/01/15	18:00:00	1744.8	71.8	82.2	68.2
03/01/15	19:00:00	1745.2	71.8	74.8	65.3
03/01/15	20:00:00	1745.5	71.4	67.2	62.5
03/01/15	21:00:00	1745.5	71.3	60.7	59.9
03/01/15	22:00:00	1746.0	71.1	56.3	57.9
03/01/15	23:00:00	1746.4	70.8	53.0	56.2
03/02/15	00:00:00	1746.4	70.6	50.3	54.7
03/02/15	01:00:00	1746.9	70.6	48.2	53.7
03/02/15	02:00:00	1746.9	70.7	46.3	52.5
03/02/15	03:00:00	1746.9	70.6	45.5	51.9
03/02/15	04:00:00	1747.4	70.5	45.4	51.6
03/02/15	05:00:00	1747.8	70.5	45.1	51.2

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/02/15	06:00:00	1747.8	70.4	45.4	51.0
03/02/15	07:00:00	1747.9	70.2	45.5	50.7
03/02/15	08:00:00	1748.4	70.1	46.1	50.7
03/02/15	09:00:00	1748.4	70.5	48.6	51.9
03/02/15	10:00:00	1748.5	70.6	54.2	54.6
03/02/15	11:00:00	1748.6	70.6	60.5	57.9
03/02/15	12:00:00	1749.1	70.7	65.6	61.1
03/02/15	13:00:00	1749.2	70.9	70.4	64.3
03/02/15	14:00:00	1749.1	70.8	74.4	66.9
03/02/15	15:00:00	1747.4	71.1	77.9	69.1
03/02/15	16:00:00	1746.6	71.6	73.5	66.5
03/02/15	17:00:00	1747.7	71.3	65.0	62.8
03/02/15	18:00:00	1748.4	71.2	61.4	60.7
03/02/15	19:00:00	1748.7	70.8	57.7	58.6
03/02/15	20:00:00	1749.3	70.6	54.2	56.8
03/02/15	21:00:00	1749.4	70.5	51.8	55.5
03/02/15	22:00:00	1749.9	70.5	49.5	54.2
03/02/15	23:00:00	1749.9	70.3	47.4	53.0
03/03/15	00:00:00	1749.9	70.1	45.7	52.1
03/03/15	01:00:00	1750.7	69.7	44.1	51.3
03/03/15	02:00:00	1750.7	69.7	42.6	50.3
03/03/15	03:00:00	1750.9	69.7	41.4	49.6
03/03/15	04:00:00	1750.9	69.7	40.4	48.9
03/03/15	05:00:00	1751.5	69.7	39.8	48.3
03/03/15	06:00:00	1751.6	69.7	39.4	47.9
03/03/15	07:00:00	1751.2	69.6	38.8	47.4
03/03/15	08:00:00	1750.2	69.7	40.0	47.3
03/03/15	09:00:00	1746.2	69.9	46.4	49.7
03/03/15	10:00:00	1744.0	70.5	53.8	53.4
03/03/15	11:00:00	1742.2	70.5	60.5	56.9
03/03/15	12:00:00	1741.0	70.5	65.8	60.4
03/03/15	13:00:00	1740.1	70.5	70.2	63.8
03/03/15	14:00:00	1739.1	70.5	74.3	66.9
03/03/15	15:00:00	1738.3	70.5	77.0	69.8
03/03/15	16:00:00	1737.5	70.5	78.6	72.2
03/03/15	17:00:00	1737.2	70.9	76.3	69.3
03/03/15	18:00:00	1739.3	71.2	71.3	65.7
03/03/15	19:00:00	1741.1	70.8	65.7	62.8
03/03/15	20:00:00	1743.4	70.6	61.1	60.5
03/03/15	21:00:00	1744.7	70.6	57.0	58.4
03/03/15	22:00:00	1745.8	70.4	53.4	56.5
03/03/15	23:00:00	1746.5	70.0	50.8	54.9
03/04/15	00:00:00	1747.1	69.7	48.6	53.6
03/04/15	01:00:00	1747.8	69.7	47.0	52.7
03/04/15	02:00:00	1748.3	69.7	45.3	51.9
03/04/15	03:00:00	1748.4	69.7	43.5	50.9
03/04/15	04:00:00	1749.0	69.6	41.7	49.9
03/04/15	05:00:00	1749.6	69.5	39.9	48.9
03/04/15	06:00:00	1749.8	69.3	38.5	47.9
03/04/15	07:00:00	1750.6	69.2	37.5	47.2
03/04/15	08:00:00	1751.3	69.6	38.8	47.3
03/04/15	09:00:00	1751.6	69.7	46.1	49.8
03/04/15	10:00:00	1752.0	70.4	54.5	53.6
03/04/15	11:00:00	1752.1	70.6	61.2	57.2
03/04/15	12:00:00	1752.1	70.6	67.1	60.8
03/04/15	13:00:00	1752.1	70.6	73.0	64.5
03/04/15	14:00:00	1752.2	70.6	78.0	68.0
03/04/15	15:00:00	1752.3	70.6	82.0	71.4
03/04/15	16:00:00	1753.0	70.6	85.4	74.7
03/04/15	17:00:00	1753.0	70.6	87.1	73.3
03/04/15	18:00:00	1753.3	71.0	85.5	69.5
03/04/15	19:00:00	1753.6	71.1	78.7	66.5
03/04/15	20:00:00	1754.0	70.6	71.7	63.6
03/04/15	21:00:00	1754.5	70.6	65.0	61.0
03/04/15	22:00:00	1754.5	70.3	59.4	58.6
03/04/15	23:00:00	1754.7	69.9	55.0	56.7
03/05/15	00:00:00	1754.9	69.7	51.4	54.9
03/05/15	01:00:00	1755.1	69.7	48.2	53.4
03/05/15	02:00:00	1755.1	69.7	45.3	52.1
03/05/15	03:00:00	1755.3	69.5	43.0	50.9
03/05/15	04:00:00	1755.9	69.3	41.2	50.0
03/05/15	05:00:00	1755.9	69.2	39.7	49.1
03/05/15	06:00:00	1755.9	69.1	38.4	48.3
03/05/15	07:00:00	1756.2	69.1	37.4	47.6
03/05/15	08:00:00	1756.5	69.3	39.3	47.8
03/05/15	09:00:00	1757.0	69.7	46.7	50.5
03/05/15	10:00:00	1757.2	70.4	55.6	54.4
03/05/15	11:00:00	1757.3	70.5	63.5	58.2
03/05/15	12:00:00	1757.3	70.5	70.5	62.3
03/05/15	13:00:00	1757.1	70.5	76.7	66.2
03/05/15	14:00:00	1756.9	70.5	82.4	69.8
03/05/15	15:00:00	1757.0	70.5	86.8	73.5
03/05/15	16:00:00	1757.3	70.6	89.2	76.6
03/05/15	17:00:00	1757.5	70.6	89.2	74.9
03/05/15	18:00:00	1758.0	71.0	85.7	70.7
03/05/15	19:00:00	1758.3	71.0	78.0	67.5
03/05/15	20:00:00	1758.7	70.6	71.0	64.6
03/05/15	21:00:00	1758.8	70.5	64.9	61.9
03/05/15	22:00:00	1758.8	70.1	59.9	59.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/05/15	23:00:00	1758.8	69.7	55.7	57.6
03/06/15	00:00:00	1759.0	69.7	52.3	56.0
03/06/15	01:00:00	1759.4	69.8	49.4	54.5
03/06/15	02:00:00	1759.6	69.6	46.9	53.3
03/06/15	03:00:00	1759.6	69.5	45.0	52.2
03/06/15	04:00:00	1759.7	69.3	43.1	51.2
03/06/15	05:00:00	1760.0	69.2	41.5	50.3
03/06/15	06:00:00	1760.2	69.2	40.3	49.6
03/06/15	07:00:00	1760.2	69.2	39.3	49.0
03/06/15	08:00:00	1760.9	69.4	41.2	49.1
03/06/15	09:00:00	1761.0	69.8	48.3	51.5
03/06/15	10:00:00	1761.1	70.1	56.8	55.2
03/06/15	11:00:00	1761.1	70.3	64.8	59.2
03/06/15	12:00:00	1760.5	70.4	71.5	63.6
03/06/15	13:00:00	1760.7	70.3	77.6	67.6
03/06/15	14:00:00	1760.9	70.5	83.2	71.3
03/06/15	15:00:00	1761.1	70.5	86.9	74.9
03/06/15	16:00:00	1761.1	70.5	89.0	78.1
03/06/15	17:00:00	1761.3	70.6	89.7	76.7
03/06/15	18:00:00	1761.6	71.0	86.8	72.6
03/06/15	19:00:00	1761.7	70.9	77.6	69.0
03/06/15	20:00:00	1761.8	70.6	71.0	65.9
03/06/15	21:00:00	1762.3	70.5	65.4	63.3
03/06/15	22:00:00	1762.5	70.1	61.0	61.1
03/06/15	23:00:00	1762.5	69.8	57.2	59.0
03/07/15	00:00:00	1762.5	69.7	53.7	57.3
03/07/15	01:00:00	1762.6	69.7	50.8	55.8
03/07/15	02:00:00	1762.8	69.6	48.8	54.6
03/07/15	03:00:00	1763.1	69.3	47.4	53.6
03/07/15	04:00:00	1763.0	69.2	45.9	52.7
03/07/15	05:00:00	1763.0	69.2	44.7	52.0
03/07/15	06:00:00	1763.2	69.2	43.4	51.3
03/07/15	07:00:00	1763.4	69.2	42.3	50.6
03/07/15	08:00:00	1763.9	69.3	44.1	50.8
03/07/15	09:00:00	1764.0	69.7	51.2	53.5
03/07/15	10:00:00	1764.2	69.7	59.8	57.3
03/07/15	11:00:00	1764.1	70.0	68.1	61.4
03/07/15	12:00:00	1764.1	70.4	75.4	65.6
03/07/15	13:00:00	1764.5	70.6	81.8	69.4
03/07/15	14:00:00	1764.6	70.6	87.6	73.0
03/07/15	15:00:00	1764.5	70.6	92.1	76.7
03/07/15	16:00:00	1764.6	70.6	95.0	79.9
03/07/15	17:00:00	1764.6	70.7	96.5	78.7
03/07/15	18:00:00	1765.1	71.1	94.0	74.8
03/07/15	19:00:00	1765.3	71.1	85.6	71.5
03/07/15	20:00:00	1765.3	70.6	77.9	68.4
03/07/15	21:00:00	1765.4	70.5	72.1	65.8
03/07/15	22:00:00	1765.6	70.2	66.7	63.5
03/07/15	23:00:00	1765.9	69.8	62.2	61.4
03/08/15	00:00:00	1766.0	69.7	58.3	59.5
03/08/15	01:00:00	1766.1	69.7	54.7	57.9
03/08/15	02:00:00	(1)	(1)	(1)	(1)
03/08/15	03:00:00	1766.1	69.6	52.2	56.6
03/08/15	04:00:00	1766.1	69.3	50.0	55.4
03/08/15	05:00:00	1766.2	69.1	48.1	54.4
03/08/15	06:00:00	1766.8	69.1	46.5	53.5
03/08/15	07:00:00	1766.8	69.1	45.0	52.6
03/08/15	08:00:00	1766.8	69.1	43.4	51.8
03/08/15	09:00:00	1767.5	69.2	44.6	51.7
03/08/15	10:00:00	1767.7	69.6	51.1	54.0
03/08/15	11:00:00	1767.7	69.7	59.5	57.8
03/08/15	12:00:00	1767.7	70.0	67.6	61.9
03/08/15	13:00:00	1767.7	70.4	74.8	66.0
03/08/15	14:00:00	1767.7	70.4	80.8	70.0
03/08/15	15:00:00	1767.7	70.5	86.0	73.6
03/08/15	16:00:00	1767.7	70.6	90.5	77.3
03/08/15	17:00:00	1767.7	70.6	92.7	80.6
03/08/15	18:00:00	1768.0	70.7	92.2	79.0
03/08/15	19:00:00	1768.2	71.0	88.5	74.8
03/08/15	20:00:00	1768.2	70.8	81.5	71.5
03/08/15	21:00:00	1768.3	70.6	75.0	68.6
03/08/15	22:00:00	1768.6	70.5	69.0	65.9
03/08/15	23:00:00	1769.1	70.1	64.4	63.7
03/09/15	00:00:00	1769.1	69.8	60.8	61.9
03/09/15	01:00:00	1769.1	69.7	57.5	60.1
03/09/15	02:00:00	1769.1	69.7	54.8	58.6
03/09/15	03:00:00	1769.1	69.6	52.6	57.4
03/09/15	04:00:00	1769.6	69.4	50.7	56.2
03/09/15	05:00:00	1769.7	69.2	49.5	55.3
03/09/15	06:00:00	1769.7	69.1	48.3	54.5
03/09/15	07:00:00	1769.7	69.1	46.9	53.7
03/09/15	08:00:00	1770.1	69.1	45.6	53.1
03/09/15	09:00:00	1770.6	69.2	47.4	53.3
03/09/15	10:00:00	1770.7	69.6	54.6	55.9
03/09/15	11:00:00	1770.7	69.8	62.5	59.5
03/09/15	12:00:00	1770.7	70.1	69.7	63.5
03/09/15	13:00:00	1770.6	70.3	76.3	67.4
03/09/15	14:00:00	1770.6	70.4	82.5	71.2
03/09/15	15:00:00	1770.6	70.5	88.0	74.7

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/09/15	16:00:00	1770.6	70.5	91.9	78.2
03/09/15	17:00:00	1770.7	70.6	95.1	81.4
03/09/15	18:00:00	1771.0	70.6	96.7	80.2
03/09/15	19:00:00	1771.1	71.0	94.6	76.5
03/09/15	20:00:00	1771.1	70.9	87.1	73.3
03/09/15	21:00:00	1771.1	70.6	79.9	70.2
03/09/15	22:00:00	1771.5	70.5	73.2	67.4
03/09/15	23:00:00	1771.9	70.0	67.5	64.9
03/10/15	00:00:00	1771.9	69.8	63.1	62.8
03/10/15	01:00:00	1772.0	69.7	59.5	61.1
03/10/15	02:00:00	1772.3	69.7	56.3	59.6
03/10/15	03:00:00	1772.4	69.5	53.9	58.3
03/10/15	04:00:00	1772.0	69.4	51.9	57.2
03/10/15	05:00:00	1771.9	69.3	50.1	56.2
03/10/15	06:00:00	1772.0	69.2	48.8	55.4
03/10/15	07:00:00	1772.0	69.2	47.7	54.7
03/10/15	08:00:00	1772.5	69.1	46.8	54.2
03/10/15	09:00:00	1771.1	69.1	47.5	54.4
03/10/15	10:00:00	1771.8	69.2	52.6	56.3
03/10/15	11:00:00	1772.6	69.6	59.8	59.3
03/10/15	12:00:00	1772.7	69.7	68.5	63.4
03/10/15	13:00:00	1772.7	69.7	74.9	67.0
03/10/15	14:00:00	1772.7	69.9	80.3	70.1
03/10/15	15:00:00	1772.7	70.4	85.8	73.3
03/10/15	16:00:00	1773.1	70.7	84.8	73.5
03/10/15	17:00:00	1773.4	70.6	81.0	72.4
03/10/15	18:00:00	1773.4	70.5	78.3	71.3
03/10/15	19:00:00	1773.8	70.5	75.4	69.6
03/10/15	20:00:00	1774.9	70.4	72.0	67.9
03/10/15	21:00:00	1774.8	70.0	68.8	66.3
03/10/15	22:00:00	1774.5	69.8	66.0	64.8
03/10/15	23:00:00	1773.3	69.7	63.4	63.5
03/11/15	00:00:00	1773.0	69.7	61.0	62.1
03/11/15	01:00:00	1774.4	69.7	59.2	61.1
03/11/15	02:00:00	1774.8	69.7	57.9	60.2
03/11/15	03:00:00	1774.8	69.5	57.2	59.7
03/11/15	04:00:00	1775.0	69.6	56.9	59.3
03/11/15	05:00:00	1775.7	69.5	56.2	58.8
03/11/15	06:00:00	1775.6	69.3	55.3	58.2
03/11/15	07:00:00	1775.5	69.2	54.7	58.0
03/11/15	08:00:00	1775.2	69.2	54.4	57.6
03/11/15	09:00:00	1774.8	69.2	54.3	57.4
03/11/15	10:00:00	1775.6	69.2	54.6	57.5
03/11/15	11:00:00	1775.9	69.1	55.6	57.6
03/11/15	12:00:00	1776.8	69.2	57.1	58.4
03/11/15	13:00:00	1776.3	69.3	60.2	59.8
03/11/15	14:00:00	1776.4	69.5	62.8	60.8
03/11/15	15:00:00	1777.4	69.6	65.9	62.3
03/11/15	16:00:00	1777.7	69.7	69.2	64.1
03/11/15	17:00:00	1777.6	69.7	71.2	64.9
03/11/15	18:00:00	1777.4	69.7	69.8	64.7
03/11/15	19:00:00	1777.6	69.6	68.7	64.1
03/11/15	20:00:00	1777.7	69.7	66.4	62.8
03/11/15	21:00:00	1777.7	69.6	63.0	61.4
03/11/15	22:00:00	1777.7	69.4	60.0	60.1
03/11/15	23:00:00	1777.7	69.2	57.5	59.0
03/12/15	00:00:00	1777.7	69.2	55.5	58.0
03/12/15	01:00:00	1777.9	69.1	53.7	57.1
03/12/15	02:00:00	1778.3	69.1	52.1	56.2
03/12/15	03:00:00	1778.5	69.1	50.8	55.5
03/12/15	04:00:00	1778.5	69.1	49.7	54.7
03/12/15	05:00:00	1778.5	69.0	48.8	54.0
03/12/15	06:00:00	1778.5	68.9	48.2	53.6
03/12/15	07:00:00	1779.0	68.6	47.2	53.0
03/12/15	08:00:00	1779.3	68.5	47.0	52.5
03/12/15	09:00:00	1779.3	69.1	50.3	53.3
03/12/15	10:00:00	1779.4	69.4	56.8	56.1
03/12/15	11:00:00	1779.4	69.7	63.5	59.7
03/12/15	12:00:00	1779.3	69.7	68.6	63.2
03/12/15	13:00:00	1779.4	69.8	73.0	66.5
03/12/15	14:00:00	1779.3	69.8	77.5	69.6
03/12/15	15:00:00	1779.3	69.7	81.5	72.4
03/12/15	16:00:00	1779.6	69.8	85.1	75.2
03/12/15	17:00:00	1779.7	70.0	85.7	76.3
03/12/15	18:00:00	1779.9	70.2	84.8	74.9
03/12/15	19:00:00	1780.0	70.3	82.6	72.4
03/12/15	20:00:00	1780.0	70.3	77.8	69.9
03/12/15	21:00:00	1780.0	69.8	72.4	67.4
03/12/15	22:00:00	1780.3	69.7	67.7	65.4
03/12/15	23:00:00	1780.7	69.7	64.0	63.5
03/13/15	00:00:00	1781.6	69.6	61.3	62.0
03/13/15	01:00:00	1782.3	69.4	59.8	60.9
03/13/15	02:00:00	1781.4	69.2	57.4	59.6
03/13/15	03:00:00	1779.5	69.1	55.2	58.6
03/13/15	04:00:00	1780.3	69.1	53.5	57.5
03/13/15	05:00:00	1781.1	69.1	52.0	56.7
03/13/15	06:00:00	1780.8	69.1	50.9	56.0
03/13/15	07:00:00	1780.9	69.0	50.3	55.7
03/13/15	08:00:00	1780.8	69.0	50.4	55.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/13/15	09:00:00	1781.3	69.1	51.6	55.9
03/13/15	10:00:00	1781.4	69.4	57.9	58.2
03/13/15	11:00:00	1781.3	69.7	66.6	61.9
03/13/15	12:00:00	1782.3	69.7	74.6	66.0
03/13/15	13:00:00	1782.0	69.7	81.7	70.3
03/13/15	14:00:00	1782.7	69.9	86.9	73.6
03/13/15	15:00:00	1782.8	69.7	91.1	76.9
03/13/15	16:00:00	1783.2	70.2	95.0	79.7
03/13/15	17:00:00	1783.7	70.6	95.4	80.2
03/13/15	18:00:00	1784.0	70.7	95.1	79.7
03/13/15	19:00:00	1784.2	70.8	90.1	76.7
03/13/15	20:00:00	1784.4	70.6	83.7	74.0
03/13/15	21:00:00	1785.0	70.5	78.8	71.7
03/13/15	22:00:00	1785.1	70.2	74.8	69.9
03/13/15	23:00:00	1784.8	70.0	71.9	68.5
03/14/15	00:00:00	1784.5	69.7	69.3	67.2
03/14/15	01:00:00	1785.1	69.7	67.4	66.2
03/14/15	02:00:00	1785.5	69.7	65.7	65.2
03/14/15	03:00:00	1785.8	69.7	63.7	63.9
03/14/15	04:00:00	1785.9	69.6	61.5	62.7
03/14/15	05:00:00	1786.1	69.5	59.5	61.6
03/14/15	06:00:00	1786.6	69.2	57.8	60.7
03/14/15	07:00:00	1786.5	69.2	56.4	59.9
03/14/15	08:00:00	1787.0	69.1	55.4	59.4
03/14/15	09:00:00	1787.3	69.6	58.1	60.1
03/14/15	10:00:00	1787.3	69.7	64.9	62.5
03/14/15	11:00:00	1787.2	69.8	68.5	64.4
03/14/15	12:00:00	1787.6	69.8	72.7	66.5
03/14/15	13:00:00	1787.5	69.9	79.0	70.3
03/14/15	14:00:00	1787.9	69.9	86.2	74.9
03/14/15	15:00:00	1786.6	70.0	92.7	79.3
03/14/15	16:00:00	1784.9	70.5	96.7	82.8
03/14/15	17:00:00	1784.1	70.8	97.4	83.9
03/14/15	18:00:00	1783.6	70.8	95.7	82.4
03/14/15	19:00:00	1783.8	71.2	91.5	79.5
03/14/15	20:00:00	1784.2	70.7	86.8	76.7
03/14/15	21:00:00	1784.2	70.6	82.5	74.4
03/14/15	22:00:00	1784.3	70.6	78.6	72.2
03/14/15	23:00:00	1784.4	70.4	74.8	70.4
03/15/15	00:00:00	1784.3	69.9	71.4	68.7
03/15/15	01:00:00	1784.6	69.8	68.5	67.2
03/15/15	02:00:00	1784.7	69.7	66.0	65.9
03/15/15	03:00:00	1785.1	69.7	63.7	64.7
03/15/15	04:00:00	1785.1	69.7	61.7	63.4
03/15/15	05:00:00	1785.1	69.5	59.9	62.5
03/15/15	06:00:00	1785.1	69.4	58.5	61.6
03/15/15	07:00:00	1785.1	69.2	57.6	61.0
03/15/15	08:00:00	1785.1	69.2	57.3	60.5
03/15/15	09:00:00	1785.2	69.2	57.6	60.5
03/15/15	10:00:00	1784.9	69.7	63.0	62.7
03/15/15	11:00:00	1785.3	69.9	71.5	66.4
03/15/15	12:00:00	1784.6	70.0	77.2	69.6
03/15/15	13:00:00	1783.1	70.1	81.2	72.1
03/15/15	14:00:00	1782.1	70.3	85.3	75.0
03/15/15	15:00:00	1782.9	70.5	89.1	77.9
03/15/15	16:00:00	1783.1	70.6	87.7	78.3
03/15/15	17:00:00	1783.7	70.3	84.5	78.5
03/15/15	18:00:00	1784.0	70.2	84.2	77.6
03/15/15	19:00:00	1784.2	70.5	80.3	73.7
03/15/15	20:00:00	1784.5	70.2	74.2	70.7
03/15/15	21:00:00	1785.0	69.8	69.2	68.0
03/15/15	22:00:00	1785.1	69.7	64.9	65.6
03/15/15	23:00:00	1785.2	69.6	61.1	63.6
03/16/15	00:00:00	1785.4	69.3	58.5	61.9
03/16/15	01:00:00	1785.8	69.2	56.6	60.7
03/16/15	02:00:00	1785.3	69.1	55.3	59.8
03/16/15	03:00:00	1784.6	69.1	54.3	59.1
03/16/15	04:00:00	1785.4	69.1	53.7	58.5
03/16/15	05:00:00	1785.8	69.1	53.1	58.0
03/16/15	06:00:00	1785.8	69.1	52.4	57.4
03/16/15	07:00:00	1785.8	69.0	51.8	57.0
03/16/15	08:00:00	1785.9	68.9	51.6	56.8
03/16/15	09:00:00	1786.3	68.9	52.3	57.0
03/16/15	10:00:00	1786.5	69.0	53.9	57.7
03/16/15	11:00:00	1786.6	69.1	57.8	59.5
03/16/15	12:00:00	1786.6	69.2	63.2	62.1
03/16/15	13:00:00	1786.6	69.5	69.6	65.3
03/16/15	14:00:00	1786.3	69.6	74.9	68.4
03/16/15	15:00:00	1787.3	69.8	79.3	71.3
03/16/15	16:00:00	1787.1	69.7	82.3	73.5
03/16/15	17:00:00	1788.1	69.8	81.9	73.7
03/16/15	18:00:00	1788.7	70.1	78.8	72.1
03/16/15	19:00:00	1789.3	69.8	74.1	70.0
03/16/15	20:00:00	1789.4	69.7	70.2	68.0
03/16/15	21:00:00	1790.0	69.7	67.3	66.4
03/16/15	22:00:00	1790.3	69.7	65.1	65.2
03/16/15	23:00:00	1790.5	69.5	63.5	64.2
03/17/15	00:00:00	1790.9	69.3	62.1	63.3
03/17/15	01:00:00	1790.9	69.2	61.0	62.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/17/15	02:00:00	1791.6	69.2	60.0	62.0
03/17/15	03:00:00	1791.7	69.2	59.3	61.5
03/17/15	04:00:00	1791.7	69.2	58.9	61.1
03/17/15	05:00:00	1792.1	69.2	58.4	60.6
03/17/15	06:00:00	1792.3	69.2	57.6	60.0
03/17/15	07:00:00	1792.3	69.2	56.4	59.3
03/17/15	08:00:00	1792.6	69.1	55.0	58.5
03/17/15	09:00:00	1793.1	69.2	55.3	58.5
03/17/15	10:00:00	1793.4	69.5	61.0	60.5
03/17/15	11:00:00	1793.8	69.8	66.9	63.6
03/17/15	12:00:00	1793.8	69.8	71.2	66.5
03/17/15	13:00:00	1793.9	69.8	74.6	69.4
03/17/15	14:00:00	1793.8	69.8	78.5	72.3
03/17/15	15:00:00	1793.9	69.8	82.1	74.9
03/17/15	16:00:00	1793.9	69.9	84.9	77.7
03/17/15	17:00:00	1794.4	70.0	86.7	80.6
03/17/15	18:00:00	1794.6	70.1	86.7	79.0
03/17/15	19:00:00	1794.6	70.3	83.2	74.3
03/17/15	20:00:00	1794.8	70.2	74.5	70.5
03/17/15	21:00:00	1795.1	69.7	67.0	67.1
03/17/15	22:00:00	1795.3	69.7	62.7	64.6
03/17/15	23:00:00	1795.3	69.4	60.2	62.9
03/18/15	00:00:00	1795.3	69.2	58.5	61.5
03/18/15	01:00:00	1795.5	69.2	57.0	60.3
03/18/15	02:00:00	1795.5	69.2	55.6	59.4
03/18/15	03:00:00	1795.9	69.1	54.0	58.5
03/18/15	04:00:00	1796.0	69.1	52.4	57.7
03/18/15	05:00:00	1796.0	69.0	50.9	56.7
03/18/15	06:00:00	1796.2	68.7	49.8	56.0
03/18/15	07:00:00	1795.6	68.5	48.6	55.3
03/18/15	08:00:00	1795.3	68.4	47.8	54.8
03/18/15	09:00:00	1795.2	69.1	50.7	55.3
03/18/15	10:00:00	1794.2	69.2	59.1	58.2
03/18/15	11:00:00	1794.3	69.7	66.5	62.0
03/18/15	12:00:00	1794.5	69.7	71.5	65.6
03/18/15	13:00:00	1794.5	69.7	75.5	69.0
03/18/15	14:00:00	1794.0	69.7	79.7	72.3
03/18/15	15:00:00	1794.1	69.7	84.2	75.4
03/18/15	16:00:00	1794.1	69.7	87.7	78.8
03/18/15	17:00:00	1794.1	69.7	89.8	82.0
03/18/15	18:00:00	1794.3	70.1	89.7	80.3
03/18/15	19:00:00	1794.5	70.2	86.0	75.6
03/18/15	20:00:00	1794.4	70.3	79.8	72.5
03/18/15	21:00:00	1794.6	69.7	73.1	69.6
03/18/15	22:00:00	1794.6	69.7	67.8	67.2
03/18/15	23:00:00	1794.6	69.5	63.7	64.9
03/19/15	00:00:00	1794.6	69.2	60.4	63.1
03/19/15	01:00:00	1794.6	69.2	58.6	61.7
03/19/15	02:00:00	1794.6	69.1	56.9	60.6
03/19/15	03:00:00	1794.6	69.1	54.6	59.3
03/19/15	04:00:00	1794.9	69.0	52.5	58.2
03/19/15	05:00:00	1795.0	68.7	51.0	57.3
03/19/15	06:00:00	1795.1	68.6	49.5	56.3
03/19/15	07:00:00	1795.1	68.4	47.9	55.3
03/19/15	08:00:00	1795.3	68.4	46.9	54.6
03/19/15	09:00:00	1793.8	69.1	50.3	55.1
03/19/15	10:00:00	1792.9	69.2	57.7	57.5
03/19/15	11:00:00	1793.4	69.6	66.2	61.3
03/19/15	12:00:00	1793.9	69.7	74.2	65.7
03/19/15	13:00:00	1793.9	69.7	80.9	69.9
03/19/15	14:00:00	1794.3	69.8	87.0	73.7
03/19/15	15:00:00	1794.5	69.9	92.3	77.4
03/19/15	16:00:00	1794.5	70.0	95.8	81.5
03/19/15	17:00:00	1793.3	70.4	96.9	84.9
03/19/15	18:00:00	1793.5	70.6	95.2	83.0
03/19/15	19:00:00	1794.1	70.7	92.3	78.7
03/19/15	20:00:00	1794.6	70.6	86.6	75.4
03/19/15	21:00:00	1794.6	69.9	80.0	72.3
03/19/15	22:00:00	1794.7	69.8	73.7	69.5
03/19/15	23:00:00	1794.8	69.7	68.6	67.0
03/20/15	00:00:00	1795.2	69.5	64.2	64.7
03/20/15	01:00:00	1795.2	69.2	60.3	62.8
03/20/15	02:00:00	1794.2	69.2	57.5	61.2
03/20/15	03:00:00	1794.6	69.2	54.7	59.8
03/20/15	04:00:00	1795.3	69.1	52.3	58.5
03/20/15	05:00:00	1795.4	68.7	50.2	57.4
03/20/15	06:00:00	1795.4	68.5	48.6	56.3
03/20/15	07:00:00	1795.6	68.3	47.2	55.5
03/20/15	08:00:00	1796.1	68.4	46.5	55.1
03/20/15	09:00:00	1796.2	68.7	50.1	55.8
03/20/15	10:00:00	1796.2	69.0	55.9	58.2
03/20/15	11:00:00	1796.1	69.1	62.0	60.9
03/20/15	12:00:00	1795.5	69.2	67.6	63.8
03/20/15	13:00:00	1796.0	69.3	73.5	67.2
03/20/15	14:00:00	1796.0	69.8	79.2	70.2
03/20/15	15:00:00	1796.4	69.8	81.6	72.5
03/20/15	16:00:00	1796.6	69.8	83.4	74.7
03/20/15	17:00:00	1796.7	70.2	82.3	74.5
03/20/15	18:00:00	1796.7	69.9	79.7	73.1

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/20/15	19:00:00	1796.8	69.9	76.3	71.0
03/20/15	20:00:00	1796.9	69.8	70.7	68.3
03/20/15	21:00:00	1797.2	69.6	65.7	65.8
03/20/15	22:00:00	1797.3	69.3	62.2	63.8
03/20/15	23:00:00	1797.4	69.2	59.0	61.9
03/21/15	00:00:00	1797.5	69.2	56.4	60.4
03/21/15	01:00:00	1797.5	69.1	55.5	59.5
03/21/15	02:00:00	1797.5	69.0	55.2	59.0
03/21/15	03:00:00	1797.5	69.0	56.0	59.0
03/21/15	04:00:00	1798.3	69.1	56.5	59.0
03/21/15	05:00:00	1798.0	69.0	55.8	58.5
03/21/15	06:00:00	1798.2	68.6	53.9	57.6
03/21/15	07:00:00	1798.4	68.4	52.4	56.9
03/21/15	08:00:00	1798.4	68.6	51.8	56.6
03/21/15	09:00:00	1798.6	68.9	54.1	57.3
03/21/15	10:00:00	1798.7	69.1	61.4	59.8
03/21/15	11:00:00	1798.9	69.6	68.6	63.4
03/21/15	12:00:00	1799.0	69.6	74.4	67.2
03/21/15	13:00:00	1799.0	69.6	79.6	70.9
03/21/15	14:00:00	1798.9	69.6	83.9	74.3
03/21/15	15:00:00	1799.0	69.9	87.5	76.9
03/21/15	16:00:00	1799.0	70.2	89.8	78.9
03/21/15	17:00:00	1798.9	70.3	88.7	79.0
03/21/15	18:00:00	1798.9	70.4	87.2	78.0
03/21/15	19:00:00	1799.0	70.4	82.3	75.1
03/21/15	20:00:00	1799.0	69.9	77.2	72.4
03/21/15	21:00:00	1799.2	69.7	71.8	69.8
03/21/15	22:00:00	1799.6	69.6	67.3	67.5
03/21/15	23:00:00	1799.7	69.4	63.8	65.4
03/22/15	00:00:00	1799.8	69.2	61.8	64.1
03/22/15	01:00:00	1799.8	69.1	60.5	63.1
03/22/15	02:00:00	1799.8	69.1	59.1	62.0
03/22/15	03:00:00	1799.8	69.1	57.7	61.2
03/22/15	04:00:00	1800.1	69.1	56.9	60.5
03/22/15	05:00:00	1800.3	69.1	56.3	60.1
03/22/15	06:00:00	1800.4	69.1	55.7	59.6
03/22/15	07:00:00	1800.5	69.0	54.8	59.1
03/22/15	08:00:00	1800.5	68.8	53.8	58.5
03/22/15	09:00:00	1800.6	69.0	54.6	58.7
03/22/15	10:00:00	1801.0	69.3	61.7	60.9
03/22/15	11:00:00	1801.2	69.7	69.8	64.3
03/22/15	12:00:00	1801.1	69.7	74.7	67.3
03/22/15	13:00:00	1801.2	69.7	76.1	69.2
03/22/15	14:00:00	1801.2	69.7	76.9	70.6
03/22/15	15:00:00	1801.1	69.6	79.1	73.0
03/22/15	16:00:00	1801.1	69.9	81.6	75.0
03/22/15	17:00:00	1801.2	69.9	79.2	74.4
03/22/15	18:00:00	1801.2	69.9	77.2	73.3
03/22/15	19:00:00	1801.2	69.7	70.8	69.6
03/22/15	20:00:00	1801.2	69.6	65.5	66.7
03/22/15	21:00:00	1801.3	69.4	62.0	64.3
03/22/15	22:00:00	1801.4	69.2	59.9	62.9
03/22/15	23:00:00	1801.8	69.2	59.0	62.0
03/23/15	00:00:00	1801.9	69.1	58.5	61.5
03/23/15	01:00:00	1801.9	69.1	57.2	60.8
03/23/15	02:00:00	1801.9	69.1	56.0	59.9
03/23/15	03:00:00	1801.9	69.1	55.2	59.3
03/23/15	04:00:00	1801.9	69.0	54.8	58.8
03/23/15	05:00:00	1801.9	68.9	54.0	58.1
03/23/15	06:00:00	1802.0	68.5	52.4	57.3
03/23/15	07:00:00	1802.4	68.3	50.7	56.5
03/23/15	08:00:00	1802.1	68.4	50.2	56.0
03/23/15	09:00:00	1802.6	69.0	54.1	56.9
03/23/15	10:00:00	1802.7	69.1	59.6	59.1
03/23/15	11:00:00	1802.7	69.1	63.2	61.1
03/23/15	12:00:00	1802.8	69.4	67.4	63.5
03/23/15	13:00:00	1802.8	69.5	72.2	66.6
03/23/15	14:00:00	1802.9	69.4	74.7	68.7
03/23/15	15:00:00	1802.7	69.5	77.8	71.6
03/23/15	16:00:00	1802.9	69.5	80.4	74.7
03/23/15	17:00:00	1803.0	69.7	81.7	77.3
03/23/15	18:00:00	1803.2	69.7	79.8	74.6
03/23/15	19:00:00	1803.4	69.7	75.0	70.4
03/23/15	20:00:00	1803.4	69.6	67.1	66.8
03/23/15	21:00:00	1803.4	69.2	61.4	63.8
03/23/15	22:00:00	1803.4	69.1	58.3	61.7
03/23/15	23:00:00	1803.5	69.1	56.6	60.3
03/24/15	00:00:00	1804.0	69.0	55.5	59.3
03/24/15	01:00:00	1803.8	68.8	54.7	58.5
03/24/15	02:00:00	1804.0	68.6	53.8	57.9
03/24/15	03:00:00	1803.9	68.4	52.7	57.3
03/24/15	04:00:00	1804.1	68.3	51.6	56.6
03/24/15	05:00:00	1804.1	68.3	51.3	56.2
03/24/15	06:00:00	1804.0	68.3	51.4	55.8
03/24/15	07:00:00	1804.1	68.3	51.4	55.6
03/24/15	08:00:00	1804.2	68.3	51.4	55.7
03/24/15	09:00:00	1804.8	68.7	54.6	56.6
03/24/15	10:00:00	1804.7	69.0	59.5	58.7
03/24/15	11:00:00	1804.9	69.1	64.7	61.8

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/24/15	12:00:00	1805.0	69.2	68.5	64.6
03/24/15	13:00:00	1805.0	69.5	72.6	67.7
03/24/15	14:00:00	1805.0	69.5	75.1	69.9
03/24/15	15:00:00	1805.0	69.4	77.6	71.8
03/24/15	16:00:00	1805.0	69.8	79.6	73.2
03/24/15	17:00:00	1805.0	69.6	76.9	72.3
03/24/15	18:00:00	1805.0	69.6	75.8	71.6
03/24/15	19:00:00	1805.0	69.7	72.4	69.7
03/24/15	20:00:00	1804.7	69.6	68.6	67.6
03/24/15	21:00:00	1804.9	69.4	64.9	65.5
03/24/15	22:00:00	1805.0	69.1	61.7	63.6
03/24/15	23:00:00	1805.0	69.1	59.3	62.1
03/25/15	00:00:00	1805.3	69.1	57.4	60.8
03/25/15	01:00:00	1805.5	69.0	55.7	59.7
03/25/15	02:00:00	1805.5	68.9	54.3	58.8
03/25/15	03:00:00	1805.5	68.5	53.3	57.9
03/25/15	04:00:00	1805.5	68.4	52.5	57.3
03/25/15	05:00:00	1805.5	68.3	52.2	56.7
03/25/15	06:00:00	1805.5	68.3	51.5	56.3
03/25/15	07:00:00	1805.5	68.3	50.5	55.7
03/25/15	08:00:00	1805.8	68.3	49.9	55.3
03/25/15	09:00:00	1806.3	69.0	54.2	56.1
03/25/15	10:00:00	1806.4	69.1	61.1	58.4
03/25/15	11:00:00	1804.0	69.0	67.1	62.0
03/25/15	12:00:00	1802.3	69.2	72.8	66.0
03/25/15	13:00:00	1801.1	69.3	77.6	69.7
03/25/15	14:00:00	1800.2	69.4	82.2	73.4
03/25/15	15:00:00	1799.3	69.3	86.8	76.8
03/25/15	16:00:00	1798.7	69.5	91.6	80.5
03/25/15	17:00:00	1798.2	69.6	95.0	83.9
03/25/15	18:00:00	1798.6	69.7	96.0	81.7
03/25/15	19:00:00	1798.3	69.9	94.5	78.5
03/25/15	20:00:00	1798.4	70.4	88.9	75.6
03/25/15	21:00:00	1799.1	69.8	81.6	72.8
03/25/15	22:00:00	1801.6	69.7	74.3	70.2
03/25/15	23:00:00	1803.1	69.7	69.7	68.1
03/26/15	00:00:00	1804.0	69.5	66.0	66.1
03/26/15	01:00:00	1805.0	69.3	62.5	64.3
03/26/15	02:00:00	1805.5	69.2	59.3	62.7
03/26/15	03:00:00	1806.0	69.1	56.8	61.3
03/26/15	04:00:00	1807.1	69.1	54.7	60.1
03/26/15	05:00:00	1807.8	68.9	53.2	59.2
03/26/15	06:00:00	1808.5	68.8	52.0	58.3
03/26/15	07:00:00	1808.7	68.5	50.9	57.5
03/26/15	08:00:00	1809.5	68.7	50.1	57.0
03/26/15	09:00:00	1810.3	69.1	54.6	57.7
03/26/15	10:00:00	1810.5	69.4	63.0	60.4
03/26/15	11:00:00	1809.7	69.7	71.8	64.5
03/26/15	12:00:00	1810.2	69.8	79.3	68.9
03/26/15	13:00:00	1810.6	69.7	85.6	73.3
03/26/15	14:00:00	1810.6	69.8	91.1	77.4
03/26/15	15:00:00	1810.6	69.8	96.4	81.1
03/26/15	16:00:00	1811.3	70.2	101.1	85.1
03/26/15	17:00:00	1811.7	70.5	104.1	88.4
03/26/15	18:00:00	1812.1	70.7	105.7	86.6
03/26/15	19:00:00	1812.5	70.8	102.6	83.4
03/26/15	20:00:00	1813.0	70.9	94.3	80.2
03/26/15	21:00:00	1813.4	70.5	86.3	76.9
03/26/15	22:00:00	1813.7	70.4	79.9	74.1
03/26/15	23:00:00	1814.0	69.9	75.4	71.8
03/27/15	00:00:00	1814.3	69.7	71.3	69.7
03/27/15	01:00:00	1814.4	69.7	67.6	67.7
03/27/15	02:00:00	1815.1	69.6	64.3	66.0
03/27/15	03:00:00	1815.1	69.5	61.6	64.6
03/27/15	04:00:00	1815.3	69.3	59.3	63.3
03/27/15	05:00:00	1815.8	69.1	57.3	62.2
03/27/15	06:00:00	1815.8	69.1	55.6	61.3
03/27/15	07:00:00	1816.1	69.1	54.1	60.4
03/27/15	08:00:00	1816.7	69.1	53.4	59.7
03/27/15	09:00:00	1817.3	69.6	57.9	60.5
03/27/15	10:00:00	1817.3	69.7	66.2	63.1
03/27/15	11:00:00	1817.5	70.0	74.4	67.2
03/27/15	12:00:00	1817.8	70.5	81.6	71.8
03/27/15	13:00:00	1817.8	70.6	86.9	76.2
03/27/15	14:00:00	1817.8	70.6	90.2	79.8
03/27/15	15:00:00	1817.8	70.7	93.0	82.7
03/27/15	16:00:00	1817.9	70.7	95.6	85.7
03/27/15	17:00:00	1817.9	70.7	94.6	87.5
03/27/15	18:00:00	1818.2	70.6	90.8	83.9
03/27/15	19:00:00	1818.7	70.7	87.0	79.1
03/27/15	20:00:00	1818.7	70.7	78.8	75.2
03/27/15	21:00:00	1819.0	70.5	71.8	71.8
03/27/15	22:00:00	1819.3	69.9	66.8	68.9
03/27/15	23:00:00	1819.4	69.8	63.0	66.5
03/28/15	00:00:00	1819.4	69.7	60.4	64.8
03/28/15	01:00:00	1819.8	69.4	58.0	63.4
03/28/15	02:00:00	1820.1	69.2	56.4	62.0
03/28/15	03:00:00	1820.2	69.2	56.6	61.1
03/28/15	04:00:00	1820.4	69.2	56.4	60.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/28/15	05:00:00	1820.9	69.1	55.3	59.8
03/28/15	06:00:00	1821.0	69.1	54.4	59.2
03/28/15	07:00:00	1821.0	69.1	53.3	58.6
03/28/15	08:00:00	1821.6	69.1	52.2	58.0
03/28/15	09:00:00	1821.8	69.2	56.0	58.7
03/28/15	10:00:00	1821.9	69.5	61.2	60.9
03/28/15	11:00:00	1821.9	69.7	68.2	64.7
03/28/15	12:00:00	1822.2	69.8	74.7	68.8
03/28/15	13:00:00	1822.3	70.0	79.8	72.9
03/28/15	14:00:00	1822.3	70.1	84.6	76.8
03/28/15	15:00:00	1822.3	70.2	89.6	80.4
03/28/15	16:00:00	1822.4	70.6	93.6	84.2
03/28/15	17:00:00	1822.4	70.6	95.6	87.6
03/28/15	18:00:00	1822.5	70.9	94.6	85.2
03/28/15	19:00:00	1823.0	70.8	90.6	80.6
03/28/15	20:00:00	1823.2	70.8	83.7	76.9
03/28/15	21:00:00	1823.2	70.6	76.1	73.4
03/28/15	22:00:00	1820.3	70.1	70.3	70.5
03/28/15	23:00:00	1820.4	69.8	65.6	67.8
03/29/15	00:00:00	1821.1	69.7	62.0	65.7
03/29/15	01:00:00	1821.3	69.6	59.4	64.0
03/29/15	02:00:00	1821.5	69.4	58.1	62.8
03/29/15	03:00:00	1821.6	69.2	57.0	61.7
03/29/15	04:00:00	1821.7	69.1	54.6	60.4
03/29/15	05:00:00	1821.8	69.1	52.7	59.3
03/29/15	06:00:00	1821.8	69.1	51.3	58.3
03/29/15	07:00:00	1821.8	69.0	49.6	57.3
03/29/15	08:00:00	1822.0	69.0	48.7	56.6
03/29/15	09:00:00	1822.5	69.4	53.9	57.7
03/29/15	10:00:00	1822.5	69.6	63.4	61.3
03/29/15	11:00:00	1822.4	69.7	72.5	66.0
03/29/15	12:00:00	1822.1	70.3	78.9	70.5
03/29/15	13:00:00	1822.0	70.5	83.8	74.8
03/29/15	14:00:00	1821.7	70.6	89.0	78.8
03/29/15	15:00:00	1821.8	70.6	94.0	82.3
03/29/15	16:00:00	1821.9	70.6	97.7	86.1
03/29/15	17:00:00	1821.7	70.9	99.6	89.6
03/29/15	18:00:00	1822.1	71.2	99.0	87.7
03/29/15	19:00:00	1822.3	71.1	95.9	82.9
03/29/15	20:00:00	1822.4	71.2	89.4	79.1
03/29/15	21:00:00	1822.5	70.6	82.6	75.8
03/29/15	22:00:00	1822.5	70.5	76.5	72.9
03/29/15	23:00:00	1822.6	70.0	71.1	70.2
03/30/15	00:00:00	1822.8	69.7	66.4	67.6
03/30/15	01:00:00	1822.9	69.7	62.4	65.6
03/30/15	02:00:00	1823.2	69.6	58.8	63.8
03/30/15	03:00:00	1823.2	69.3	56.1	62.2
03/30/15	04:00:00	1823.2	69.2	54.0	60.8
03/30/15	05:00:00	1823.2	69.1	51.9	59.6
03/30/15	06:00:00	1823.2	69.1	50.1	58.5
03/30/15	07:00:00	1823.3	69.1	48.8	57.5
03/30/15	08:00:00	1823.7	69.1	48.4	57.0
03/30/15	09:00:00	1824.0	69.5	54.1	58.2
03/30/15	10:00:00	1823.9	69.7	63.9	61.9
03/30/15	11:00:00	1824.5	70.0	72.3	66.2
03/30/15	12:00:00	1825.0	70.5	79.4	70.9
03/30/15	13:00:00	1825.4	70.5	85.2	75.0
03/30/15	14:00:00	(2)	70.5	89.6	78.2
03/30/15	15:00:00	1143.4	70.7	92.7	80.4
03/30/15	16:00:00	1825.4	70.6	95.8	84.0
03/30/15	17:00:00	1825.8	71.1	96.8	86.3
03/30/15	18:00:00	1826.1	71.2	92.3	83.8
03/30/15	19:00:00	1826.1	71.1	84.0	78.9
03/30/15	20:00:00	1826.7	70.7	76.3	74.8
03/30/15	21:00:00	1826.8	70.6	70.9	71.6
03/30/15	22:00:00	1826.8	70.1	66.8	69.1
03/30/15	23:00:00	1826.6	69.8	62.9	66.9
03/31/15	00:00:00	1826.2	69.7	59.9	65.0
03/31/15	01:00:00	1826.3	69.6	57.4	63.4
03/31/15	02:00:00	1826.7	69.5	57.9	62.4
03/31/15	03:00:00	1826.8	69.5	58.6	61.9
03/31/15	04:00:00	1826.8	69.3	58.7	61.4
03/31/15	05:00:00	1826.8	69.3	58.0	60.6
03/31/15	06:00:00	1826.8	69.2	57.1	59.8
03/31/15	07:00:00	1826.8	69.2	56.5	59.2
03/31/15	08:00:00	1826.8	69.3	56.0	58.8
03/31/15	09:00:00	1826.8	69.7	59.3	59.8
03/31/15	10:00:00	1827.0	69.7	63.9	62.3
03/31/15	11:00:00	1827.3	69.9	67.8	65.2
03/31/15	12:00:00	1827.0	70.3	70.8	68.1
03/31/15	13:00:00	1827.0	70.4	73.7	71.0
03/31/15	14:00:00	1826.9	70.2	76.8	73.6
03/31/15	15:00:00	1826.9	70.0	80.2	75.9
03/31/15	16:00:00	1826.9	70.5	82.7	78.3
03/31/15	17:00:00	1827.2	70.5	83.1	80.3
03/31/15	18:00:00	1827.3	70.5	82.1	79.2
03/31/15	19:00:00	1827.5	70.5	79.2	74.4
03/31/15	20:00:00	1827.5	70.5	74.1	71.5
03/31/15	21:00:00	1827.5	70.0	68.2	68.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/31/15	22:00:00	1827.7	69.7	63.1	65.9
03/31/15	23:00:00	1828.0	69.7	59.4	63.8
04/01/15	00:00:00	1828.1	69.5	56.1	61.8
04/01/15	01:00:00	1828.4	69.2	53.3	59.9
04/01/15	02:00:00	1828.4	69.1	51.5	58.5
04/01/15	03:00:00	1828.4	69.1	50.1	57.4
04/01/15	04:00:00	1828.4	69.1	48.6	56.3
04/01/15	05:00:00	1828.5	68.9	46.7	55.2
04/01/15	06:00:00	1828.8	68.6	45.4	54.3
04/01/15	07:00:00	1828.9	68.5	44.6	53.4
04/01/15	08:00:00	1826.6	68.6	44.6	53.1
04/01/15	09:00:00	1824.3	69.0	50.5	54.5
04/01/15	10:00:00	1823.1	69.2	58.3	57.7
04/01/15	11:00:00	1822.2	69.5	64.0	61.3
04/01/15	12:00:00	1821.3	69.5	68.4	65.1
04/01/15	13:00:00	1820.5	69.5	71.2	67.8
04/01/15	14:00:00	1819.7	69.5	73.7	69.8
04/01/15	15:00:00	1818.9	69.5	77.3	72.2
04/01/15	16:00:00	1818.3	69.9	80.1	74.5
04/01/15	17:00:00	1817.7	69.5	81.2	77.1
04/01/15	18:00:00	1817.2	69.6	81.7	77.3
04/01/15	19:00:00	1816.7	69.8	78.3	72.2
04/01/15	20:00:00	1816.3	69.7	70.1	68.2
04/01/15	21:00:00	1815.9	69.5	62.7	64.7
04/01/15	22:00:00	1815.3	69.2	58.4	62.3
04/01/15	23:00:00	1815.1	69.0	55.6	60.6
04/02/15	00:00:00	1814.5	69.0	53.9	59.3
04/02/15	01:00:00	1814.2	69.0	52.4	58.2
04/02/15	02:00:00	1813.7	68.8	50.9	57.2
04/02/15	03:00:00	1813.6	68.7	50.3	56.5
04/02/15	04:00:00	1813.0	68.5	50.3	55.9
04/02/15	05:00:00	1812.9	68.4	50.1	55.3
04/02/15	06:00:00	1812.5	68.3	49.4	54.7
04/02/15	07:00:00	1812.2	68.1	48.8	54.0
04/02/15	08:00:00	1811.9	68.4	48.9	53.8
04/02/15	09:00:00	1811.5	68.9	53.1	55.0
04/02/15	10:00:00	1811.5	68.9	58.7	57.8
04/02/15	11:00:00	1811.3	69.3	63.5	61.3
04/02/15	12:00:00	1810.9	69.4	67.5	64.9
04/02/15	13:00:00	1810.8	69.5	70.9	68.4
04/02/15	14:00:00	1810.2	69.5	74.7	71.5
04/02/15	15:00:00	1810.0	69.5	78.6	74.4
04/02/15	16:00:00	1810.0	69.6	81.4	77.4
04/02/15	17:00:00	1809.6	69.5	82.7	80.2
04/02/15	18:00:00	1809.4	69.6	82.2	79.3
04/02/15	19:00:00	1809.3	69.8	80.3	74.6
04/02/15	20:00:00	1809.3	70.1	75.1	71.3
04/02/15	21:00:00	1809.1	69.6	68.2	68.0
04/02/15	22:00:00	1808.8	69.5	61.7	64.7
04/02/15	23:00:00	1808.6	69.1	57.2	62.1
04/03/15	00:00:00	1808.6	69.0	54.8	60.3
04/03/15	01:00:00	1808.3	69.0	52.6	58.8
04/03/15	02:00:00	1808.0	68.9	50.7	57.6
04/03/15	03:00:00	1807.9	68.6	49.3	56.6
04/03/15	04:00:00	1807.9	68.4	47.6	55.6
04/03/15	05:00:00	1807.7	68.2	45.6	54.5
04/03/15	06:00:00	1807.5	68.1	44.9	53.7
04/03/15	07:00:00	1807.2	68.1	44.3	53.1
04/03/15	08:00:00	(3)	(3)	(3)	(3)
04/03/15	09:00:00	1807.2	68.9	50.5	54.4
04/03/15	10:00:00	1807.2	69.0	57.1	57.1
04/03/15	11:00:00	1809.9	69.5	64.7	61.0
04/03/15	12:00:00	1812.2	69.7	70.7	65.1
04/03/15	13:00:00	1813.5	69.7	75.2	69.3
04/03/15	14:00:00	1814.6	69.7	79.9	73.1
04/03/15	15:00:00	1815.4	69.9	85.1	76.7
04/03/15	16:00:00	1816.2	70.4	89.0	80.4
04/03/15	17:00:00	1816.5	70.5	90.8	83.4
04/03/15	18:00:00	1817.7	70.6	90.0	82.7
04/03/15	19:00:00	1818.4	70.7	85.8	77.3
04/03/15	20:00:00	1819.2	70.6	77.0	72.9
04/03/15	21:00:00	1819.7	70.2	67.8	68.5
04/03/15	22:00:00	1820.5	69.7	61.5	65.2
04/03/15	23:00:00	1821.2	69.7	57.6	62.9
04/04/15	00:00:00	1821.8	69.3	53.8	60.6
04/04/15	01:00:00	1822.4	69.1	50.6	58.7
04/04/15	02:00:00	1822.9	69.1	49.1	57.5
04/04/15	03:00:00	1823.3	69.1	49.7	56.8
04/04/15	04:00:00	1823.8	69.1	48.4	55.7
04/04/15	05:00:00	1824.3	69.0	46.7	54.8
04/04/15	06:00:00	1824.7	68.6	45.1	53.9
04/04/15	07:00:00	1824.9	68.5	43.6	53.3
04/04/15	08:00:00	1825.4	68.6	43.4	52.9
04/04/15	09:00:00	(4)	69.1	49.1	54.4
04/04/15	10:00:00	(4)	69.4	58.0	57.7
04/04/15	11:00:00	(4)	69.8	65.1	61.6
04/04/15	12:00:00	(4)	69.9	71.2	65.4
04/04/15	13:00:00	(4)	70.5	74.1	68.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/04/15	14:00:00	(4)	70.2	76.4	71.1
04/04/15	15:00:00	(4)	70.0	80.6	73.3
04/04/15	16:00:00	(4)	71.3	82.3	75.3
04/04/15	17:00:00	1820.7	71.2	83.1	77.2
04/04/15	18:00:00	1820.5	71.3	75.4	72.5
04/04/15	19:00:00	1821.0	70.6	67.2	68.0
04/04/15	20:00:00	1821.1	70.3	62.3	64.9
04/04/15	21:00:00	1821.7	69.8	59.5	62.8
04/04/15	22:00:00	1821.7	69.7	58.0	61.4
04/04/15	23:00:00	1821.9	69.7	56.6	60.2
04/05/15	00:00:00	1822.5	69.6	55.1	59.0
04/05/15	01:00:00	1822.5	69.4	53.9	58.0
04/05/15	02:00:00	1822.9	69.1	52.8	57.2
04/05/15	03:00:00	1823.2	69.1	51.9	56.5
04/05/15	04:00:00	1823.2	69.2	51.2	55.7
04/05/15	05:00:00	1823.3	69.1	49.7	54.9
04/05/15	06:00:00	1823.8	69.1	48.1	54.2
04/05/15	07:00:00	1823.9	69.0	46.8	53.7
04/05/15	08:00:00	1824.1	69.1	46.9	53.7
04/05/15	09:00:00	1824.2	69.1	49.6	54.7
04/05/15	10:00:00	1824.6	69.1	53.4	56.7
04/05/15	11:00:00	1824.6	69.3	58.1	59.2
04/05/15	12:00:00	1824.6	69.5	62.1	61.4
04/05/15	13:00:00	1824.9	69.7	65.3	63.4
04/05/15	14:00:00	1825.3	69.8	59.6	60.1
04/05/15	15:00:00	1825.3	69.4	56.9	59.0
04/05/15	16:00:00	1825.3	69.2	58.2	59.8
04/05/15	17:00:00	1825.4	69.2	62.5	62.4
04/05/15	18:00:00	1825.5	69.3	65.5	64.3
04/05/15	19:00:00	1825.8	69.4	66.4	62.3
04/05/15	20:00:00	1826.0	69.6	61.6	59.9
04/05/15	21:00:00	1826.1	69.2	55.9	57.7
04/05/15	22:00:00	1826.1	69.1	52.4	56.2
04/05/15	23:00:00	1826.4	69.1	49.9	54.8
04/06/15	00:00:00	1826.2	68.9	47.9	53.8
04/06/15	01:00:00	1826.5	68.7	46.0	52.9
04/06/15	02:00:00	1826.8	68.5	44.7	52.1
04/06/15	03:00:00	1826.8	68.3	43.7	51.4
04/06/15	04:00:00	1827.0	68.3	42.3	50.8
04/06/15	05:00:00	1827.3	68.3	41.1	50.2
04/06/15	06:00:00	1827.4	68.3	39.8	49.4
04/06/15	07:00:00	1827.5	68.3	38.5	48.7
04/06/15	08:00:00	1827.8	68.3	38.8	48.4
04/06/15	09:00:00	1828.3	68.9	44.9	50.4
04/06/15	10:00:00	1828.4	69.2	53.1	54.1
04/06/15	11:00:00	1828.4	69.6	60.7	57.6
04/06/15	12:00:00	1828.6	69.7	66.1	60.8
04/06/15	13:00:00	1828.5	69.8	71.2	64.4
04/06/15	14:00:00	1828.3	69.8	74.1	67.3
04/06/15	15:00:00	1828.4	69.8	75.9	69.3
04/06/15	16:00:00	1828.7	69.8	76.1	70.6
04/06/15	17:00:00	1828.8	70.3	73.9	69.7
04/06/15	18:00:00	1829.0	69.9	70.9	68.1
04/06/15	19:00:00	1829.1	69.9	69.5	66.9
04/06/15	20:00:00	1829.1	69.8	65.9	64.8
04/06/15	21:00:00	1829.1	69.7	62.4	62.7
04/06/15	22:00:00	1829.2	69.6	59.5	61.0
04/06/15	23:00:00	1829.8	69.4	57.6	59.7
04/07/15	00:00:00	1829.8	69.2	55.3	58.4
04/07/15	01:00:00	1829.8	69.1	52.6	57.1
04/07/15	02:00:00	1829.8	69.1	50.8	56.0
04/07/15	03:00:00	1830.0	69.2	49.3	55.2
04/07/15	04:00:00	1830.4	69.1	49.1	54.7
04/07/15	05:00:00	1830.5	69.0	48.8	54.1
04/07/15	06:00:00	1830.5	68.9	47.7	52.9
04/07/15	07:00:00	1830.5	68.8	46.8	51.7
04/07/15	08:00:00	1830.6	68.4	46.5	50.6
04/07/15	09:00:00	1830.7	68.3	46.6	50.0
04/07/15	10:00:00	1831.0	68.3	46.7	49.8
04/07/15	11:00:00	1831.2	68.6	49.2	51.5
04/07/15	12:00:00	1831.2	69.2	55.1	54.8
04/07/15	13:00:00	1831.2	69.2	58.7	56.3
04/07/15	14:00:00	1831.2	69.1	58.7	56.5
04/07/15	15:00:00	1831.3	69.2	58.9	57.1
04/07/15	16:00:00	1831.7	69.0	62.8	59.0
04/07/15	17:00:00	1831.8	69.4	63.8	59.6
04/07/15	18:00:00	1831.9	69.4	56.1	55.7
04/07/15	19:00:00	1831.9	68.5	55.2	54.7
04/07/15	20:00:00	1831.9	69.2	55.6	54.2
04/07/15	21:00:00	1832.1	68.9	52.3	53.3
04/07/15	22:00:00	1832.1	68.7	50.5	52.6
04/07/15	23:00:00	1831.9	68.5	48.8	52.0
04/08/15	00:00:00	1832.3	68.3	46.9	51.3
04/08/15	01:00:00	1832.7	68.3	46.1	51.1
04/08/15	02:00:00	1832.7	68.3	45.9	50.8
04/08/15	03:00:00	1832.9	68.3	44.8	50.3
04/08/15	04:00:00	1833.1	68.3	43.9	49.8
04/08/15	05:00:00	1833.3	68.3	42.7	49.3
04/08/15	06:00:00	1833.4	68.3	42.0	49.1

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/08/15	07:00:00	1833.4	68.3	41.5	48.8
04/08/15	08:00:00	1833.5	68.3	41.5	48.9
04/08/15	09:00:00	1833.8	68.3	44.0	50.0
04/08/15	10:00:00	1834.1	68.9	48.5	52.0
04/08/15	11:00:00	1834.2	69.2	53.3	54.1
04/08/15	12:00:00	1834.3	69.7	61.4	58.0
04/08/15	13:00:00	1834.1	69.8	66.5	60.5
04/08/15	14:00:00	1834.5	69.6	68.9	62.5
04/08/15	15:00:00	1834.5	69.5	74.1	65.6
04/08/15	16:00:00	1834.2	69.6	77.6	68.8
04/08/15	17:00:00	1834.5	69.7	78.9	71.2
04/08/15	18:00:00	1834.7	69.7	78.3	71.5
04/08/15	19:00:00	1834.9	69.8	74.9	67.0
04/08/15	20:00:00	1835.0	69.8	68.7	63.7
04/08/15	21:00:00	1835.0	69.7	62.4	61.0
04/08/15	22:00:00	1835.0	69.3	57.8	58.9
04/08/15	23:00:00	1835.2	69.2	54.0	57.0
04/09/15	00:00:00	1835.5	69.1	50.7	55.3
04/09/15	01:00:00	1835.7	69.1	48.1	53.9
04/09/15	02:00:00	1835.8	69.0	46.4	53.1
04/09/15	03:00:00	1835.8	68.9	45.1	52.3
04/09/15	04:00:00	1836.1	68.7	44.2	51.9
04/09/15	05:00:00	1836.3	68.6	43.1	51.2
04/09/15	06:00:00	1836.4	68.4	41.8	50.5
04/09/15	07:00:00	1836.4	68.3	40.6	49.9
04/09/15	08:00:00	1836.7	68.6	40.9	49.9
04/09/15	09:00:00	1837.1	69.2	46.3	51.5
04/09/15	10:00:00	1837.1	69.6	54.5	54.9
04/09/15	11:00:00	1837.2	69.7	61.9	58.2
04/09/15	12:00:00	1837.1	69.8	68.0	61.5
04/09/15	13:00:00	1837.2	70.1	72.6	64.7
04/09/15	14:00:00	1837.5	70.0	77.0	67.5
04/09/15	15:00:00	1837.5	69.9	81.6	70.4
04/09/15	16:00:00	1837.4	70.1	83.4	72.3
04/09/15	17:00:00	1837.6	70.0	86.7	75.5
04/09/15	18:00:00	1837.8	70.2	88.7	76.8
04/09/15	19:00:00	1837.8	70.6	87.2	73.0
04/09/15	20:00:00	1837.8	70.6	81.6	70.0
04/09/15	21:00:00	1837.8	70.4	75.1	67.3
04/09/15	22:00:00	1837.9	69.9	69.9	65.1
04/09/15	23:00:00	1838.3	69.7	64.9	62.8
04/10/15	00:00:00	1838.1	69.7	59.7	60.4
04/10/15	01:00:00	1837.7	69.6	55.9	58.6
04/10/15	02:00:00	1837.3	69.3	53.3	57.4
04/10/15	03:00:00	1837.3	69.2	51.2	56.5
04/10/15	04:00:00	1837.2	69.1	49.4	55.5
04/10/15	05:00:00	1837.1	69.1	48.0	54.6
04/10/15	06:00:00	1837.1	69.2	46.4	53.7
04/10/15	07:00:00	1837.1	69.2	45.1	53.0
04/10/15	08:00:00	1837.3	69.2	45.4	52.9
04/10/15	09:00:00	1837.7	69.6	51.6	54.8
04/10/15	10:00:00	1837.7	70.1	59.6	58.0
04/10/15	11:00:00	1837.8	70.5	66.5	61.4
04/10/15	12:00:00	1837.7	70.6	72.2	64.9
04/10/15	13:00:00	1837.7	70.6	76.8	68.1
04/10/15	14:00:00	1837.6	70.6	81.3	71.2
04/10/15	15:00:00	1837.2	70.6	85.4	74.0
04/10/15	16:00:00	1837.1	70.6	88.3	77.2
04/10/15	17:00:00	1837.1	70.6	89.7	79.8
04/10/15	18:00:00	1837.1	70.7	88.6	79.7
04/10/15	19:00:00	1837.1	70.7	84.2	74.6
04/10/15	20:00:00	1837.1	70.9	76.5	70.5
04/10/15	21:00:00	1837.1	70.6	68.5	66.8
04/10/15	22:00:00	1837.2	70.2	63.1	63.9
04/10/15	23:00:00	1837.3	69.7	59.3	61.7
04/11/15	00:00:00	1837.5	69.7	56.6	60.2
04/11/15	01:00:00	1837.6	69.7	55.2	58.8
04/11/15	02:00:00	1837.8	69.6	53.6	57.7
04/11/15	03:00:00	1837.8	69.4	51.8	56.9
04/11/15	04:00:00	1837.8	69.2	50.1	56.0
04/11/15	05:00:00	1837.8	69.2	48.6	55.2
04/11/15	06:00:00	1837.8	69.1	47.4	54.5
04/11/15	07:00:00	1837.8	69.1	46.4	53.9
04/11/15	08:00:00	1838.0	69.1	46.8	54.0
04/11/15	09:00:00	1838.4	69.6	52.4	55.9
04/11/15	10:00:00	1838.6	70.2	60.9	59.3
04/11/15	11:00:00	1838.6	70.5	68.9	63.4
04/11/15	12:00:00	1838.4	70.5	73.5	66.5
04/11/15	13:00:00	1838.6	70.5	75.3	68.3
04/11/15	14:00:00	1838.6	70.5	79.9	71.2
04/11/15	15:00:00	1838.6	70.5	84.5	74.3
04/11/15	16:00:00	1838.6	70.6	88.2	77.7
04/11/15	17:00:00	1838.6	70.7	90.9	80.9
04/11/15	18:00:00	1838.6	71.2	89.6	80.8
04/11/15	19:00:00	1838.6	71.0	84.2	75.4
04/11/15	20:00:00	1838.6	71.1	76.2	71.0
04/11/15	21:00:00	1838.6	70.6	68.3	67.4
04/11/15	22:00:00	1838.6	70.5	63.9	64.9
04/11/15	23:00:00	1838.6	70.2	61.5	63.2

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/12/15	00:00:00	1838.6	69.8	59.7	61.8
04/12/15	01:00:00	1839.1	69.7	58.3	60.7
04/12/15	02:00:00	1839.1	69.7	56.5	59.7
04/12/15	03:00:00	1839.3	69.7	54.4	58.6
04/12/15	04:00:00	1839.3	69.7	52.7	57.5
04/12/15	05:00:00	1839.3	69.6	51.4	56.5
04/12/15	06:00:00	1839.3	69.4	50.0	55.7
04/12/15	07:00:00	1839.3	69.2	48.6	54.9
04/12/15	08:00:00	1839.8	69.4	49.3	54.8
04/12/15	09:00:00	1838.6	69.8	55.4	57.0
04/12/15	10:00:00	1837.8	70.5	62.7	60.4
04/12/15	11:00:00	1837.9	70.5	69.3	64.0
04/12/15	12:00:00	1838.7	70.7	74.9	67.6
04/12/15	13:00:00	1839.2	70.9	79.3	70.8
04/12/15	14:00:00	1838.9	71.1	83.6	74.0
04/12/15	15:00:00	1838.6	70.9	88.0	77.0
04/12/15	16:00:00	1839.0	70.9	91.7	80.5
04/12/15	17:00:00	1839.2	71.2	94.5	83.9
04/12/15	18:00:00	1839.2	71.3	95.6	84.6
04/12/15	19:00:00	1839.3	71.3	94.8	80.2
04/12/15	20:00:00	1839.3	71.7	88.2	76.4
04/12/15	21:00:00	1839.3	71.2	79.2	72.6
04/12/15	22:00:00	1839.4	71.0	72.2	69.5
04/12/15	23:00:00	1839.5	70.6	66.7	66.8
04/13/15	00:00:00	1839.8	70.6	63.3	64.9
04/13/15	01:00:00	1839.9	70.5	60.4	63.3
04/13/15	02:00:00	1840.0	70.2	57.6	61.6
04/13/15	03:00:00	1840.0	69.8	55.3	60.3
04/13/15	04:00:00	1839.8	69.7	53.3	59.2
04/13/15	05:00:00	1839.6	69.7	51.3	58.0
04/13/15	06:00:00	1840.0	69.7	49.5	56.9
04/13/15	07:00:00	1840.0	69.7	48.1	55.9
04/13/15	08:00:00	1840.7	69.7	49.1	55.9
04/13/15	09:00:00	1840.8	70.4	56.0	58.2
04/13/15	10:00:00	1840.8	70.9	64.8	61.9
04/13/15	11:00:00	1840.9	71.2	73.0	65.8
04/13/15	12:00:00	1840.9	71.3	78.8	69.6
04/13/15	13:00:00	1840.7	71.3	81.1	72.6
04/13/15	14:00:00	1840.8	71.2	83.3	75.3
04/13/15	15:00:00	1840.7	71.2	85.5	77.4
04/13/15	16:00:00	1840.8	71.2	84.9	78.7
04/13/15	17:00:00	1840.8	71.2	84.2	80.2
04/13/15	18:00:00	1841.0	71.2	81.1	78.5
04/13/15	19:00:00	1841.1	71.2	77.1	73.1
04/13/15	20:00:00	1841.3	71.2	71.1	69.0
04/13/15	21:00:00	1841.5	70.8	64.1	65.5
04/13/15	22:00:00	1841.5	70.6	59.6	62.6
04/13/15	23:00:00	1841.5	70.5	57.2	60.7
04/14/15	00:00:00	1841.5	70.3	55.6	59.5
04/14/15	01:00:00	1841.6	69.8	54.7	58.8
04/14/15	02:00:00	1841.8	69.9	54.3	58.3
04/14/15	03:00:00	1842.0	69.8	53.3	57.3
04/14/15	04:00:00	1842.2	69.7	51.3	55.8
04/14/15	05:00:00	1842.2	69.7	49.3	54.5
04/14/15	06:00:00	1842.1	69.7	47.5	53.4
04/14/15	07:00:00	1842.2	69.7	45.6	52.5
04/14/15	08:00:00	1842.0	69.8	46.2	52.5
04/14/15	09:00:00	1842.8	70.4	51.9	54.6
04/14/15	10:00:00	1843.6	70.7	58.8	57.9
04/14/15	11:00:00	1843.8	70.9	63.8	60.8
04/14/15	12:00:00	1843.7	71.0	67.5	63.6
04/14/15	13:00:00	1844.3	71.2	70.3	66.2
04/14/15	14:00:00	1844.5	71.1	72.7	68.6
04/14/15	15:00:00	1844.5	70.7	75.3	70.7
04/14/15	16:00:00	1844.8	70.8	77.3	73.2
04/14/15	17:00:00	1845.0	71.0	78.4	75.6
04/14/15	18:00:00	1845.2	71.1	77.9	75.6
04/14/15	19:00:00	1845.2	71.1	75.9	70.8
04/14/15	20:00:00	1845.4	71.3	71.4	67.4
04/14/15	21:00:00	1845.8	71.1	64.0	64.1
04/14/15	22:00:00	1845.9	70.6	58.7	61.5
04/14/15	23:00:00	1845.9	70.6	55.2	59.5
04/15/15	00:00:00	1846.3	70.6	52.6	57.9
04/15/15	01:00:00	1846.6	70.3	50.2	56.4
04/15/15	02:00:00	1846.7	70.0	48.7	55.3
04/15/15	03:00:00	1846.7	69.9	48.4	54.6
04/15/15	04:00:00	1847.2	69.9	47.3	53.7
04/15/15	05:00:00	1847.3	69.8	47.1	53.1
04/15/15	06:00:00	1847.3	69.8	47.8	52.9
04/15/15	07:00:00	1847.6	69.8	47.9	52.5
04/15/15	08:00:00	1848.1	70.1	49.8	52.9
04/15/15	09:00:00	1848.2	70.6	55.4	55.4
04/15/15	10:00:00	1848.5	71.2	61.4	58.7
04/15/15	11:00:00	1848.6	71.3	66.0	61.9
04/15/15	12:00:00	1848.8	71.3	69.9	65.0
04/15/15	13:00:00	1848.9	71.5	73.3	68.1
04/15/15	14:00:00	1848.9	71.6	76.9	70.9
04/15/15	15:00:00	1848.9	71.4	80.7	73.6
04/15/15	16:00:00	1848.9	71.4	84.1	76.9

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/15/15	17:00:00	1849.0	71.8	86.2	79.9
04/15/15	18:00:00	1849.5	71.9	86.5	80.3
04/15/15	19:00:00	1849.4	71.9	85.0	75.9
04/15/15	20:00:00	1849.6	72.0	79.9	72.3
04/15/15	21:00:00	1849.7	71.9	72.9	69.2
04/15/15	22:00:00	1849.7	71.6	66.8	66.1
04/15/15	23:00:00	1849.7	71.3	61.9	63.6
04/16/15	00:00:00	1849.9	71.3	58.8	61.6
04/16/15	01:00:00	1850.2	71.1	56.1	59.8
04/16/15	02:00:00	1850.3	71.0	53.9	58.5
04/16/15	03:00:00	1850.2	70.7	51.5	57.1
04/16/15	04:00:00	1850.3	70.6	49.7	56.0
04/16/15	05:00:00	1850.8	70.6	47.7	54.8
04/16/15	06:00:00	1851.0	70.6	45.8	53.7
04/16/15	07:00:00	1851.1	70.6	44.3	53.0
04/16/15	08:00:00	1851.5	70.6	45.6	53.1
04/16/15	09:00:00	1851.8	71.3	53.1	55.8
04/16/15	10:00:00	1851.8	71.7	62.2	59.8
04/16/15	11:00:00	1851.9	71.9	70.7	63.8
04/16/15	12:00:00	1851.9	72.2	78.0	68.0
04/16/15	13:00:00	1851.9	72.7	83.4	72.1
04/16/15	14:00:00	1850.3	72.6	88.1	75.6
04/16/15	15:00:00	1847.6	72.5	93.0	78.8
04/16/15	16:00:00	1846.3	72.6	96.7	82.5
04/16/15	17:00:00	1845.5	72.6	98.6	85.9
04/16/15	18:00:00	1844.6	72.6	99.3	86.7
04/16/15	19:00:00	1843.7	72.7	98.3	82.4
04/16/15	20:00:00	1842.9	73.1	94.4	78.9
04/16/15	21:00:00	1842.2	72.7	86.3	75.2
04/16/15	22:00:00	1841.5	72.7	76.7	71.4
04/16/15	23:00:00	1840.9	72.3	68.7	68.1
04/17/15	00:00:00	1840.5	71.9	64.5	65.9
04/17/15	01:00:00	1840.0	71.9	62.1	64.4
04/17/15	02:00:00	1839.3	71.9	59.5	62.7
04/17/15	03:00:00	1838.9	71.7	56.3	61.1
04/17/15	04:00:00	1838.6	71.3	53.5	59.6
04/17/15	05:00:00	1838.1	71.2	51.4	58.4
04/17/15	06:00:00	1837.7	71.2	49.6	57.2
04/17/15	07:00:00	1837.2	71.2	47.8	56.2
04/17/15	08:00:00	1837.2	71.3	49.0	56.1
04/17/15	09:00:00	1837.1	71.9	56.2	58.6
04/17/15	10:00:00	1836.8	72.4	65.7	62.6
04/17/15	11:00:00	1836.5	72.6	75.0	66.8
04/17/15	12:00:00	1836.3	73.0	82.6	71.1
04/17/15	13:00:00	1835.9	73.2	87.8	75.0
04/17/15	14:00:00	1835.6	73.2	92.0	78.4
04/17/15	15:00:00	1835.2	73.2	95.4	81.5
04/17/15	16:00:00	1834.9	73.3	98.1	85.1
04/17/15	17:00:00	1834.3	73.4	99.8	88.2
04/17/15	18:00:00	1834.2	73.6	98.8	88.5
04/17/15	19:00:00	1833.9	73.5	95.7	83.5
04/17/15	20:00:00	1833.5	73.8	89.6	79.4
04/17/15	21:00:00	1833.5	73.3	81.5	75.6
04/17/15	22:00:00	1833.2	73.3	74.6	72.4
04/17/15	23:00:00	1832.8	72.9	68.8	69.4
04/18/15	00:00:00	1832.7	72.7	65.0	67.1
04/18/15	01:00:00	1832.5	72.7	61.3	64.9
04/18/15	02:00:00	1832.0	72.5	58.0	63.1
04/18/15	03:00:00	1832.0	72.3	55.4	61.6
04/18/15	04:00:00	1831.9	72.0	53.4	60.4
04/18/15	05:00:00	1831.8	72.0	51.9	59.4
04/18/15	06:00:00	1832.1	72.0	51.0	58.6
04/18/15	07:00:00	1832.8	72.1	52.5	59.0
04/18/15	08:00:00	1833.1	72.5	57.7	61.0
04/18/15	09:00:00	1833.5	72.8	62.9	62.9
04/18/15	10:00:00	1833.8	73.1	68.2	64.9
04/18/15	11:00:00	1834.0	73.4	73.8	67.2
04/18/15	12:00:00	1834.4	73.8	80.6	70.9
04/18/15	13:00:00	1835.0	74.3	85.7	74.7
04/18/15	14:00:00	1835.5	74.3	90.0	78.1
04/18/15	15:00:00	1835.7	74.2	95.1	81.4
04/18/15	16:00:00	1836.0	74.3	100.1	85.4
04/18/15	17:00:00	1837.1	74.3	102.7	89.0
04/18/15	18:00:00	1837.5	74.5	103.4	89.9
04/18/15	19:00:00	1837.9	74.8	99.3	85.0
04/18/15	20:00:00	1838.4	74.8	91.2	80.5
04/18/15	21:00:00	1838.6	74.4	82.5	76.7
04/18/15	22:00:00	1839.0	74.3	74.8	73.1
04/18/15	23:00:00	1839.3	74.0	69.4	70.3
04/19/15	00:00:00	1839.8	73.6	66.2	68.3
04/19/15	01:00:00	1840.1	73.5	64.0	66.9
04/19/15	02:00:00	1840.5	73.4	61.6	65.3
04/19/15	03:00:00	1840.7	73.4	59.3	64.0
04/19/15	04:00:00	1841.1	73.3	57.3	62.7
04/19/15	05:00:00	1841.4	73.3	55.7	61.6
04/19/15	06:00:00	1841.6	73.1	54.2	60.7
04/19/15	07:00:00	1842.0	73.2	52.9	59.8
04/19/15	08:00:00	1842.2	73.3	54.1	59.7
04/19/15	09:00:00	1842.8	73.6	58.6	61.1

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/19/15	10:00:00	1843.0	74.2	64.1	63.6
04/19/15	11:00:00	1843.1	74.4	71.1	67.2
04/19/15	12:00:00	1843.4	74.7	77.8	71.0
04/19/15	13:00:00	1843.6	74.8	82.8	74.7
04/19/15	14:00:00	1843.7	74.8	86.6	78.0
04/19/15	15:00:00	1843.7	74.9	91.3	81.1
04/19/15	16:00:00	1843.7	75.0	96.8	85.1
04/19/15	17:00:00	1843.7	75.2	100.0	88.6
04/19/15	18:00:00	1843.8	75.7	99.9	89.1
04/19/15	19:00:00	1844.0	75.7	94.3	83.6
04/19/15	20:00:00	1844.3	75.6	84.2	78.1
04/19/15	21:00:00	1844.4	74.9	74.4	73.6
04/19/15	22:00:00	1844.4	74.8	67.7	70.0
04/19/15	23:00:00	1844.5	74.4	64.0	67.7
04/20/15	00:00:00	1844.9	74.3	61.9	66.0
04/20/15	01:00:00	1845.0	74.3	59.9	64.6
04/20/15	02:00:00	1845.1	74.3	57.8	63.2
04/20/15	03:00:00	1845.1	74.2	56.0	61.8
04/20/15	04:00:00	1845.1	74.1	54.6	60.7
04/20/15	05:00:00	1845.4	73.9	53.5	59.6
04/20/15	06:00:00	1845.8	73.5	52.7	58.6
04/20/15	07:00:00	1845.9	73.6	52.1	57.9
04/20/15	08:00:00	1845.9	74.1	53.8	58.1
04/20/15	09:00:00	1846.1	74.5	58.7	60.1
04/20/15	10:00:00	1846.0	74.9	63.8	62.9
04/20/15	11:00:00	1846.3	75.0	68.3	65.8
04/20/15	12:00:00	1845.4	75.3	72.7	68.9
04/20/15	13:00:00	1845.1	75.6	76.4	71.9
04/20/15	14:00:00	1846.5	75.7	79.7	74.7
04/20/15	15:00:00	1846.7	75.7	83.2	77.2
04/20/15	16:00:00	1847.3	75.8	85.5	79.8
04/20/15	17:00:00	1847.3	75.8	85.9	81.7
04/20/15	18:00:00	1847.6	76.2	82.1	78.3
04/20/15	19:00:00	1848.0	75.9	76.3	74.5
04/20/15	20:00:00	1848.0	75.8	70.2	70.8
04/20/15	21:00:00	1848.3	75.4	64.9	67.5
04/20/15	22:00:00	1848.7	75.0	61.2	65.1
04/20/15	23:00:00	1848.8	74.9	58.5	63.2
04/21/15	00:00:00	1849.1	74.9	56.3	61.5
04/21/15	01:00:00	1849.1	74.8	54.8	60.2
04/21/15	02:00:00	1848.7	74.7	53.9	59.2
04/21/15	03:00:00	1848.7	74.6	53.3	58.5
04/21/15	04:00:00	1848.9	74.4	52.8	57.9
04/21/15	05:00:00	1849.6	74.4	52.4	57.3
04/21/15	06:00:00	1849.7	74.5	51.9	57.0
04/21/15	07:00:00	1850.2	74.6	51.7	56.6
04/21/15	08:00:00	1850.2	74.8	53.1	56.8
04/21/15	09:00:00	1851.0	75.1	56.9	58.6
04/21/15	10:00:00	1851.1	75.6	61.6	61.2
04/21/15	11:00:00	1851.2	76.0	68.0	64.7
04/21/15	12:00:00	1851.0	76.3	73.8	68.1
04/21/15	13:00:00	1850.5	76.3	77.3	71.0
04/21/15	14:00:00	1850.1	76.3	79.2	73.4
04/21/15	15:00:00	1851.1	76.3	80.7	75.1
04/21/15	16:00:00	1851.1	76.4	81.7	77.0
04/21/15	17:00:00	1851.4	76.8	81.6	77.4
04/21/15	18:00:00	1851.7	76.8	78.7	75.5
04/21/15	19:00:00	1851.7	76.6	73.4	72.0
04/21/15	20:00:00	1851.8	76.4	68.0	68.6
04/21/15	21:00:00	1851.7	76.3	63.0	65.8
04/21/15	22:00:00	1851.7	76.0	59.4	64.0
04/21/15	23:00:00	1852.3	75.8	56.9	62.5
04/22/15	00:00:00	1852.5	75.8	54.9	61.3
04/22/15	01:00:00	1852.5	75.8	53.3	60.3
04/22/15	02:00:00	1852.7	75.8	51.9	59.5
04/22/15	03:00:00	1853.2	75.8	50.9	58.7
04/22/15	04:00:00	1853.2	75.7	50.0	58.0
04/22/15	05:00:00	1853.2	75.7	49.2	57.4
04/22/15	06:00:00	1853.6	75.7	48.8	56.7
04/22/15	07:00:00	1853.8	75.7	49.7	56.8
04/22/15	08:00:00	1853.9	75.8	51.7	57.4
04/22/15	09:00:00	1854.0	76.1	56.3	59.1
04/22/15	10:00:00	1854.3	76.1	60.3	61.1
04/22/15	11:00:00	1854.6	76.8	64.6	63.3
04/22/15	12:00:00	1854.7	77.2	71.7	66.8
04/22/15	13:00:00	1854.4	77.4	77.5	70.4
04/22/15	14:00:00	1853.9	77.8	82.7	73.9
04/22/15	15:00:00	1853.4	77.7	88.6	77.3
04/22/15	16:00:00	1852.9	78.0	93.7	81.0
04/22/15	17:00:00	1853.7	78.0	93.8	81.9
04/22/15	18:00:00	1853.9	78.0	94.1	83.4
04/22/15	19:00:00	1854.1	78.5	91.2	80.7
04/22/15	20:00:00	1854.5	78.3	81.0	75.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/22/15	21:00:00	1854.6	77.9	72.9	72.0
04/22/15	22:00:00	1854.7	77.9	67.7	69.2
04/22/15	23:00:00	1854.9	77.6	64.1	67.0
04/23/15	00:00:00	1855.2	77.3	61.6	65.4
04/23/15	01:00:00	1855.3	77.2	59.9	64.3
04/23/15	02:00:00	1855.4	77.2	58.0	63.1
04/23/15	03:00:00	1855.5	77.2	56.0	61.9
04/23/15	04:00:00	1856.2	77.2	54.2	60.9
04/23/15	05:00:00	1856.2	77.2	53.0	60.1
04/23/15	06:00:00	1856.2	77.2	51.9	59.3
04/23/15	07:00:00	1856.3	77.0	50.8	58.5
04/23/15	08:00:00	1856.8	77.2	52.0	58.6
04/23/15	09:00:00	1856.9	77.9	58.0	60.6
04/23/15	10:00:00	1857.2	78.4	65.7	63.8
04/23/15	11:00:00	1857.6	78.6	72.9	67.1
04/23/15	12:00:00	1857.7	78.7	78.2	70.4
04/23/15	13:00:00	1857.7	79.2	82.3	73.6
04/23/15	14:00:00	1857.7	79.3	85.3	76.5
04/23/15	15:00:00	1857.7	79.3	88.3	79.3
04/23/15	16:00:00	1857.7	79.3	90.7	82.3
04/23/15	17:00:00	1857.7	79.4	89.6	83.5
04/23/15	18:00:00	1857.7	79.4	84.1	80.7
04/23/15	19:00:00	1857.7	79.4	80.2	77.0
04/23/15	20:00:00	1857.8	79.4	74.4	73.3
04/23/15	21:00:00	1858.0	79.0	69.8	70.8
04/23/15	22:00:00	1858.4	78.7	65.5	68.2
04/23/15	23:00:00	1858.4	78.7	62.2	66.2
04/24/15	00:00:00	1858.4	78.7	60.0	64.8
04/24/15	01:00:00	1858.5	78.7	59.8	63.8
04/24/15	02:00:00	1858.7	78.7	60.1	63.2
04/24/15	03:00:00	1859.0	78.7	59.5	62.3
04/24/15	04:00:00	1859.1	78.5	58.3	61.3
04/24/15	05:00:00	1859.1	78.4	57.1	60.4
04/24/15	06:00:00	1859.1	78.4	55.9	59.6
04/24/15	07:00:00	1857.6	78.3	55.4	59.2
04/24/15	08:00:00	1854.8	78.6	57.6	59.8
04/24/15	09:00:00	1854.0	78.6	59.4	60.8
04/24/15	10:00:00	1853.2	78.9	62.8	62.8
04/24/15	11:00:00	1852.5	79.3	67.4	65.7
04/24/15	12:00:00	1852.0	79.6	71.7	68.7
04/24/15	13:00:00	1851.4	80.0	74.9	71.5
04/24/15	14:00:00	1850.7	80.0	77.7	73.9
04/24/15	15:00:00	1852.0	80.0	79.7	75.6
04/24/15	16:00:00	1853.6	80.0	80.1	77.1
04/24/15	17:00:00	1854.3	80.1	80.0	78.3
04/24/15	18:00:00	1854.7	80.2	76.8	75.1
04/24/15	19:00:00	1855.3	80.1	70.0	70.7
04/24/15	20:00:00	1855.4	80.0	65.0	67.5
04/24/15	21:00:00	1856.1	79.5	61.6	65.2
04/24/15	22:00:00	1856.3	79.4	59.9	64.1
04/24/15	23:00:00	1856.7	79.4	58.8	63.2
04/25/15	00:00:00	1856.8	79.4	56.5	61.9
04/25/15	01:00:00	1856.8	79.3	54.7	60.3
04/25/15	02:00:00	1857.5	79.2	54.1	59.1
04/25/15	03:00:00	1857.7	79.3	54.2	58.2
04/25/15	04:00:00	1857.8	79.2	53.8	57.8
04/25/15	05:00:00	1858.4	79.1	53.7	57.5
04/25/15	06:00:00	1858.4	79.3	53.8	57.3
04/25/15	07:00:00	1858.5	79.3	53.1	56.5
04/25/15	08:00:00	1859.1	79.4	54.8	57.0
04/25/15	09:00:00	1859.2	80.0	59.0	58.8
04/25/15	10:00:00	1859.5	80.0	62.8	61.0
04/25/15	11:00:00	1859.8	80.0	65.0	62.5
04/25/15	12:00:00	1859.9	80.3	67.9	64.6
04/25/15	13:00:00	1859.9	80.5	70.0	66.0
04/25/15	14:00:00	1859.9	80.8	72.1	67.6
04/25/15	15:00:00	1859.9	80.6	75.4	69.7
04/25/15	16:00:00	1860.4	80.9	79.1	72.9
04/25/15	17:00:00	1860.5	80.9	81.0	75.7
04/25/15	18:00:00	1860.5	81.0	80.2	75.6
04/25/15	19:00:00	1860.6	80.9	77.5	72.1
04/25/15	20:00:00	1860.6	81.1	71.6	68.2
04/25/15	21:00:00	1861.0	80.9	65.4	65.5
04/25/15	22:00:00	1861.3	80.9	61.3	63.5
04/25/15	23:00:00	1861.3	80.7	58.3	61.7
04/26/15	00:00:00	1861.3	80.4	56.6	60.2
04/26/15	01:00:00	1861.7	80.4	55.4	59.1
04/26/15	02:00:00	1861.9	80.2	54.3	58.1
04/26/15	03:00:00	1862.0	80.2	53.1	57.3
04/26/15	04:00:00	1862.0	80.2	52.0	56.6
04/26/15	05:00:00	1862.3	80.2	50.9	56.0

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/26/15	06:00:00	1862.6	80.1	50.0	55.5
04/26/15	07:00:00	1862.8	80.1	49.3	55.1
04/26/15	08:00:00	1863.0	80.8	52.0	55.6
04/26/15	09:00:00	1863.2	81.4	58.4	58.4
04/26/15	10:00:00	1863.4	81.6	64.8	61.6
04/26/15	11:00:00	1863.4	82.3	70.1	64.5
04/26/15	12:00:00	1863.4	82.4	74.3	67.4
04/26/15	13:00:00	1863.4	82.4	77.9	70.2
04/26/15	14:00:00	1863.4	82.5	80.8	72.8
04/26/15	15:00:00	1863.4	82.4	84.6	75.6
04/26/15	16:00:00	1863.5	82.5	88.1	78.8
04/26/15	17:00:00	1863.4	82.8	89.7	81.8
04/26/15	18:00:00	1863.5	83.0	89.8	82.6
04/26/15	19:00:00	1863.6	83.0	86.6	78.4
04/26/15	20:00:00	1864.1	83.0	80.1	74.2
04/26/15	21:00:00	1864.3	83.0	72.6	70.6
04/26/15	22:00:00	1864.3	82.7	67.3	67.9
04/26/15	23:00:00	1864.3	82.5	63.8	65.9
04/27/15	00:00:00	1864.6	82.4	61.4	64.3
04/27/15	01:00:00	1864.7	82.4	59.8	63.2
04/27/15	02:00:00	1864.8	82.4	58.7	62.3
04/27/15	03:00:00	1864.9	82.4	57.5	61.5
04/27/15	04:00:00	1864.9	82.4	56.1	60.7
04/27/15	05:00:00	1864.9	82.4	55.5	60.0
04/27/15	06:00:00	1865.3	82.4	55.3	59.6
04/27/15	07:00:00	1865.4	82.4	54.2	58.9
04/27/15	08:00:00	1865.7	82.7	56.3	59.5
04/27/15	09:00:00	1865.8	83.3	63.7	62.3
04/27/15	10:00:00	1866.0	83.8	71.4	65.8
04/27/15	11:00:00	1866.3	84.1	78.3	69.1
04/27/15	12:00:00	1866.4	84.5	84.5	72.6
04/27/15	13:00:00	1866.5	84.5	89.7	76.0
04/27/15	14:00:00	1866.4	84.9	94.3	79.2
04/27/15	15:00:00	1866.4	84.8	98.9	82.4
04/27/15	16:00:00	1866.3	85.0	103.5	86.4
04/27/15	17:00:00	1866.4	85.3	106.5	89.9
04/27/15	18:00:00	1866.4	85.3	108.1	90.9
04/27/15	19:00:00	1866.4	85.4	107.9	87.7
04/27/15	20:00:00	1866.4	85.9	102.7	83.9
04/27/15	21:00:00	1866.4	85.4	91.6	80.0
04/27/15	22:00:00	1866.5	85.3	82.5	76.3
04/27/15	23:00:00	1866.7	85.2	75.4	73.5
04/28/15	00:00:00	1867.0	84.9	70.8	71.1
04/28/15	01:00:00	1867.1	84.6	66.8	68.7
04/28/15	02:00:00	1867.1	84.6	63.4	66.8
04/28/15	03:00:00	1867.1	84.6	60.5	65.2
04/28/15	04:00:00	1867.5	84.5	58.0	63.8
04/28/15	05:00:00	1867.7	84.4	55.9	62.6
04/28/15	06:00:00	1867.8	84.3	54.2	61.5
04/28/15	07:00:00	1867.9	84.2	52.9	60.5
04/28/15	08:00:00	1868.3	84.6	55.6	61.0
04/28/15	09:00:00	1868.6	85.2	63.0	63.7
04/28/15	10:00:00	1868.6	85.6	71.3	67.2
04/28/15	11:00:00	1868.6	86.0	78.6	70.7
04/28/15	12:00:00	1868.6	86.2	83.7	74.0
04/28/15	13:00:00	1868.6	86.5	87.5	77.3
04/28/15	14:00:00	1868.6	86.7	91.2	80.4
04/28/15	15:00:00	1868.5	86.7	95.1	83.4
04/28/15	16:00:00	1868.5	86.7	98.2	86.6
04/28/15	17:00:00	1868.5	86.8	97.8	88.6
04/28/15	18:00:00	1868.6	87.0	97.0	88.7
04/28/15	19:00:00	1868.5	87.0	92.4	83.8
04/28/15	20:00:00	1868.8	87.0	85.2	79.2
04/28/15	21:00:00	1869.0	86.7	77.6	75.5
04/28/15	22:00:00	1869.1	86.6	72.2	72.7
04/28/15	23:00:00	1869.3	86.2	67.5	69.9
04/29/15	00:00:00	1869.3	86.0	63.4	67.5
04/29/15	01:00:00	1869.4	86.0	59.6	65.3
04/29/15	02:00:00	1869.7	85.8	56.5	63.6
04/29/15	03:00:00	1869.9	85.5	54.0	62.1
04/29/15	04:00:00	1870.0	85.4	52.0	60.8
04/29/15	05:00:00	1870.0	85.3	50.8	59.8
04/29/15	06:00:00	1870.0	85.3	49.6	59.0

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/29/15	07:00:00	1870.3	85.3	48.8	58.4
04/29/15	08:00:00	(5)	85.8	52.1	59.1
04/29/15	09:00:00	(5)	(5)	60.1	62.1
04/29/15	10:00:00	(5)	(5)	68.2	65.7
04/29/15	11:00:00	(5)	(5)	74.7	69.2
04/29/15	12:00:00	(5)	(5)	79.9	72.7
04/29/15	13:00:00	(5)	(5)	82.2	74.6
04/29/15	14:00:00	(5)	85.2	86.1	77.4
04/29/15	15:00:00	1861.1	87.8	91.2	80.8
04/29/15	16:00:00	1860.7	87.8	95.4	84.7
04/29/15	17:00:00	1860.8	88.2	98.2	88.3
04/29/15	18:00:00	1860.8	88.2	98.6	89.2
04/29/15	19:00:00	1860.8	88.2	96.7	85.4
04/29/15	20:00:00	1860.9	88.2	91.8	81.2
04/29/15	21:00:00	1861.0	88.1	83.6	77.5
04/29/15	22:00:00	1861.2	87.7	76.2	74.1
04/29/15	23:00:00	1861.2	87.6	70.5	71.2
04/30/15	00:00:00	1861.2	87.6	66.5	69.1
04/30/15	01:00:00	1861.3	87.4	63.1	67.1
04/30/15	02:00:00	1861.3	87.0	60.0	65.4
04/30/15	03:00:00	1861.5	86.8	57.5	64.0
04/30/15	04:00:00	1861.8	86.7	55.5	62.8
04/30/15	05:00:00	1862.0	86.7	53.8	61.7
04/30/15	06:00:00	1862.0	86.7	53.2	60.9
04/30/15	07:00:00	1862.0	86.8	52.6	60.4
04/30/15	08:00:00	1862.7	87.5	55.3	61.0
04/30/15	09:00:00	1862.8	88.1	63.3	63.8
04/30/15	10:00:00	1862.8	88.6	71.9	67.4
04/30/15	11:00:00	1862.8	89.0	79.5	71.0
04/30/15	12:00:00	1862.8	89.3	85.9	74.7
04/30/15	13:00:00	1862.8	89.6	90.8	78.3
04/30/15	14:00:00	1862.8	90.3	94.3	81.0
04/30/15	15:00:00	1756.7	90.5	94.5	81.3
04/30/15	16:00:00	1413.9	90.4	101.7	87.7
04/30/15	17:00:00	1861.0	90.5	108.0	91.5
04/30/15	18:00:00	1860.5	90.7	109.8	92.7
04/30/15	19:00:00	1860.0	90.8	109.3	89.1
04/30/15	20:00:00	1859.7	91.1	105.2	84.9
04/30/15	21:00:00	1859.3	90.7	95.4	80.8
04/30/15	22:00:00	1859.2	90.5	85.9	77.2
04/30/15	23:00:00	1859.1	90.5	77.9	74.2
05/01/15	00:00:00	1859.2	90.4	71.7	71.5
Monthly Statistics					
	February Average:	1712.8	74.9	57.9	57.7
	February Minimum:	1687.7	70.5	32.8	43.1
	February Maximum:	1744.1	82.4	90.8	76.4
	March Average:	1786.7	69.8	65.9	64.4
	March Minimum:	1736.9	68.1	37.0	46.7
	March Maximum:	1827.5	72.9	106.3	90.2
	April Average:	1842.0	74.3	66.2	65.5
	April Minimum:	1806.5	67.9	38.0	48.1
	April Maximum:	1871.0	91.3	110.1	92.9

Notes:

1) Data are missing on 3/8/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
2) Data are missing on 3/30/15 at 14:00:00 hours because the BHP tools were installed in the well for the mid-bubblebuild pressure survey and the pressure transmitter was taken out of service.
3) Data are missing on 4/3/15 at 08:00:00 hours because the BHP tools were retrieved and the pressure transmitter was taken out of service.
4) Data are missing on 4/4/15 from 09:00:00 hours to 16:00:00 hours because the Halliburton TMDL log was run in the well and the pressure transmitter was taken out of service.
5) Data are missing on 4/29/15 from 08:00:00 hours to 14:00:00 hours because the Piacentine 1-27 wellhead was out of service due to conducting temperature logging in the well.

ATTACHMENT 3

Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/08/15	01:00:00	0.0	1694.0	193.0	1887.0	Producing
02/08/15	02:00:00	0.0	1697.2	193.0	1890.2	Producing
02/08/15	03:00:00	0.0	1698.4	193.0	1891.4	Producing
02/08/15	04:00:00	0.0	1695.5	193.0	1888.5	Producing
02/08/15	05:00:00	0.0	1694.9	193.0	1887.9	Producing
02/08/15	06:00:00	0.0	1697.9	193.0	1890.9	Producing
02/08/15	07:00:00	0.0	1698.2	193.0	1891.2	Producing
02/08/15	08:00:00	0.0	1698.1	193.0	1891.1	Producing
02/08/15	09:00:00	0.0	1697.1	193.0	1890.1	Producing
02/08/15	10:00:00	0.0	1694.9	193.0	1887.9	Producing
02/08/15	11:00:00	0.0	1697.3	193.0	1890.3	Producing
02/08/15	12:00:00	0.0	1698.8	193.0	1891.8	Producing
02/08/15	13:00:00	0.0	1695.1	193.0	1888.1	Producing
02/08/15	14:00:00	0.0	1695.5	193.0	1888.5	Producing
02/08/15	15:00:00	0.0	1696.9	193.0	1889.9	Producing
02/08/15	16:00:00	0.0	1695.4	193.0	1888.4	Producing
02/08/15	17:00:00	0.0	1697.2	193.0	1890.2	Producing
02/08/15	18:00:00	0.0	1697.9	193.0	1890.9	Producing
02/08/15	19:00:00	0.0	1693.9	193.0	1886.9	Producing
02/08/15	20:00:00	0.0	1694.6	193.0	1887.6	Producing
02/08/15	21:00:00	0.0	1695.8	193.0	1888.8	Producing
02/08/15	22:00:00	0.0	1693.5	193.0	1886.5	Producing
02/08/15	23:00:00	0.0	1694.6	193.0	1887.6	Producing
02/09/15	00:00:00	0.0	1695.1	193.0	1888.1	Producing
02/09/15	01:00:00	0.0	1698.2	193.0	1891.2	Producing
02/09/15	02:00:00	0.0	1694.5	193.0	1887.5	Producing
02/09/15	03:00:00	0.0	1693.5	193.0	1886.5	Producing
02/09/15	04:00:00	0.0	1695.1	193.0	1888.1	Producing
02/09/15	05:00:00	0.0	1697.3	193.0	1890.3	Producing
02/09/15	06:00:00	0.0	1696.8	193.0	1889.8	Producing
02/09/15	07:00:00	0.0	1694.4	193.0	1887.4	Producing
02/09/15	08:00:00	0.0	1694.4	193.0	1887.4	Producing
02/09/15	09:00:00	0.0	1695.2	193.0	1888.2	Producing
02/09/15	10:00:00	0.0	1699.9	193.0	1892.9	Producing
02/09/15	11:00:00	0.0	1699.6	193.0	1892.6	Producing
02/09/15	12:00:00	0.0	1699.6	193.0	1892.6	Producing
02/09/15	13:00:00	0.0	1699.4	193.0	1892.4	Producing
02/09/15	14:00:00	0.0	1699.1	193.0	1892.1	Producing
02/09/15	15:00:00	0.0	1697.5	193.0	1890.5	Producing
02/09/15	16:00:00	0.0	1696.7	193.0	1889.7	Producing
02/09/15	17:00:00	0.0	1697.6	193.0	1890.6	Producing
02/09/15	18:00:00	0.0	1692.4	193.0	1885.4	Producing
02/09/15	19:00:00	0.0	1693.6	193.0	1886.6	Producing
02/09/15	20:00:00	0.0	1693.9	193.0	1886.9	Producing
02/09/15	21:00:00	0.0	1694.1	193.0	1887.1	Producing
02/09/15	22:00:00	0.0	1694.2	193.0	1887.2	Producing
02/09/15	23:00:00	0.0	1694.8	193.0	1887.8	Producing
02/10/15	00:00:00	0.0	1692.9	193.0	1885.9	Producing
02/10/15	01:00:00	0.0	1684.7	193.0	1877.7	Producing
02/10/15	02:00:00	0.0	1686.3	193.0	1879.3	Producing
02/10/15	03:00:00	0.0	1682.7	193.0	1875.7	Producing
02/10/15	04:00:00	0.0	1679.6	193.0	1872.6	Producing
02/10/15	05:00:00	0.0	1674.9	193.0	1867.9	Producing
02/10/15	06:00:00	0.0	1666.5	193.0	1859.5	Producing
02/10/15	07:00:00	0.0	1659.4	193.0	1852.4	Producing
02/10/15	08:00:00	0.0	1655.5	193.0	1848.5	Producing
02/10/15	09:00:00	0.0	1669.1	193.0	1862.1	Producing
02/10/15	10:00:00	0.0	1712.8	193.0	1905.8	Producing
02/10/15	11:00:00	0.0	1702.4	193.0	1895.4	Producing
02/10/15	12:00:00	0.0	1698.6	193.0	1891.6	Producing
02/10/15	13:00:00	0.0	1695.6	193.0	1888.6	Producing
02/10/15	14:00:00	0.0	1699.7	193.0	1892.7	Producing
02/10/15	15:00:00	0.0	1697.1	193.0	1890.1	Producing
02/10/15	16:00:00	0.0	1695.5	193.0	1888.5	Producing
02/10/15	17:00:00	0.0	1694.9	193.0	1887.9	Producing
02/10/15	18:00:00	0.0	1694.9	193.0	1887.9	Producing
02/10/15	19:00:00	0.0	1693.6	193.0	1886.6	Producing
02/10/15	20:00:00	0.0	1694.1	193.0	1887.1	Producing
02/10/15	21:00:00	0.0	1694.2	193.0	1887.2	Producing
02/10/15	22:00:00	0.0	1692.0	193.0	1885.0	Producing
02/10/15	23:00:00	0.0	1678.2	193.0	1871.2	Producing
02/11/15	00:00:00	0.0	1666.3	193.0	1859.3	Producing
02/11/15	01:00:00	0.0	1662.6	193.0	1855.6	Producing
02/11/15	02:00:00	0.0	1651.1	193.0	1844.1	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/11/15	03:00:00	0.0	1646.1	193.0	1839.1	Producing
02/11/15	04:00:00	0.0	1641.4	193.0	1834.4	Producing
02/11/15	05:00:00	0.0	1637.5	193.0	1830.5	Producing
02/11/15	06:00:00	0.0	1631.7	193.0	1824.7	Producing
02/11/15	07:00:00	0.0	1626.3	193.0	1819.3	Producing
02/11/15	08:00:00	0.0	1620.6	193.0	1813.6	Producing
02/11/15	09:00:00	0.0	1633.7	193.0	1826.7	Producing
02/11/15	10:00:00	0.0	1688.7	193.0	1881.7	Producing
02/11/15	11:00:00	0.0	1704.4	193.0	1897.4	Producing
02/11/15	12:00:00	0.0	1699.8	193.0	1892.8	Producing
02/11/15	13:00:00	0.0	1700.1	193.0	1893.1	Producing
02/11/15	14:00:00	0.0	1696.0	193.0	1889.0	Producing
02/11/15	15:00:00	0.0	1700.8	193.0	1893.8	Producing
02/11/15	16:00:00	0.0	1696.9	193.0	1889.9	Producing
02/11/15	17:00:00	0.0	1692.9	193.0	1885.9	Producing
02/11/15	18:00:00	0.0	1691.7	193.0	1884.7	Producing
02/11/15	19:00:00	0.0	1692.6	193.0	1885.6	Producing
02/11/15	20:00:00	0.0	1693.7	193.0	1886.7	Producing
02/11/15	21:00:00	0.0	1693.8	193.0	1886.8	Producing
02/11/15	22:00:00	0.0	1693.9	193.0	1886.9	Producing
02/11/15	23:00:00	0.0	1693.9	193.0	1886.9	Producing
02/12/15	00:00:00	0.0	1692.1	193.0	1885.1	Producing
02/12/15	01:00:00	0.0	1685.7	193.0	1878.7	Producing
02/12/15	02:00:00	0.0	1680.1	193.0	1873.1	Producing
02/12/15	03:00:00	0.0	1675.4	193.0	1868.4	Producing
02/12/15	04:00:00	0.0	1665.4	193.0	1858.4	Producing
02/12/15	05:00:00	0.0	1658.1	193.0	1851.1	Producing
02/12/15	06:00:00	0.0	1657.4	193.0	1850.4	Producing
02/12/15	07:00:00	0.0	1650.9	193.0	1843.9	Producing
02/12/15	08:00:00	0.0	1645.1	193.0	1838.1	Producing
02/12/15	09:00:00	0.0	1658.3	193.0	1851.3	Producing
02/12/15	10:00:00	0.0	1702.2	193.0	1895.2	Producing
02/12/15	11:00:00	0.0	1700.4	193.0	1893.4	Producing
02/12/15	12:00:00	0.0	1699.4	193.0	1892.4	Producing
02/12/15	13:00:00	0.0	1698.7	193.0	1891.7	Producing
02/12/15	14:00:00	0.0	1699.5	193.0	1892.5	Producing
02/12/15	15:00:00	0.0	1698.7	193.0	1891.7	Producing
02/12/15	16:00:00	0.0	1699.4	193.0	1892.4	Producing
02/12/15	17:00:00	0.0	1698.2	193.0	1891.2	Producing
02/12/15	18:00:00	0.0	1691.8	193.0	1884.8	Producing
02/12/15	19:00:00	0.0	1692.7	193.0	1885.7	Producing
02/12/15	20:00:00	0.0	1694.1	193.0	1887.1	Producing
02/12/15	21:00:00	0.0	1694.7	193.0	1887.7	Producing
02/12/15	22:00:00	0.0	1694.9	193.0	1887.9	Producing
02/12/15	23:00:00	0.0	1695.0	193.0	1888.0	Producing
02/13/15	00:00:00	0.0	1695.1	193.0	1888.1	Producing
02/13/15	01:00:00	0.0	1695.1	193.0	1888.1	Producing
02/13/15	02:00:00	0.0	1693.0	193.0	1886.0	Producing
02/13/15	03:00:00	0.0	1684.0	193.0	1877.0	Producing
02/13/15	04:00:00	0.0	1675.4	193.0	1868.4	Producing
02/13/15	05:00:00	0.0	1665.7	193.0	1858.7	Producing
02/13/15	06:00:00	0.0	1658.5	193.0	1851.5	Producing
02/13/15	07:00:00	0.0	1652.6	193.0	1845.6	Producing
02/13/15	08:00:00	0.0	1649.5	193.0	1842.5	Producing
02/13/15	09:00:00	0.0	1657.9	193.0	1850.9	Producing
02/13/15	10:00:00	0.0	1696.9	193.0	1889.9	Producing
02/13/15	11:00:00	0.0	1699.8	193.0	1892.8	Producing
02/13/15	12:00:00	0.0	1699.3	193.0	1892.3	Producing
02/13/15	13:00:00	0.0	1699.6	193.0	1892.6	Producing
02/13/15	14:00:00	0.0	1699.7	193.0	1892.7	Producing
02/13/15	15:00:00	0.0	1699.5	193.0	1892.5	Producing
02/13/15	16:00:00	0.0	1698.0	193.0	1891.0	Producing
02/13/15	17:00:00	0.1	1695.5	193.0	1888.5	Producing
02/13/15	18:00:00	0.0	1692.4	193.0	1885.4	Producing
02/13/15	19:00:00	0.0	1693.0	193.0	1886.0	Producing
02/13/15	20:00:00	0.0	1693.8	193.0	1886.8	Producing
02/13/15	21:00:00	0.0	1694.4	193.0	1887.4	Producing
02/13/15	22:00:00	0.0	1694.8	193.0	1887.8	Producing
02/13/15	23:00:00	0.0	1694.7	193.0	1887.7	Producing
02/14/15	00:00:00	0.0	1695.3	193.0	1888.3	Producing
02/14/15	01:00:00	0.0	1695.2	193.0	1888.2	Producing
02/14/15	02:00:00	0.0	1696.2	193.0	1889.2	Producing
02/14/15	03:00:00	0.0	1693.3	193.0	1886.3	Producing
02/14/15	04:00:00	0.0	1684.6	193.0	1877.6	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/14/15	05:00:00	0.0	1675.3	193.0	1868.3	Producing
02/14/15	06:00:00	0.0	1670.7	193.0	1863.7	Producing
02/14/15	07:00:00	0.0	1659.1	193.0	1852.1	Producing
02/14/15	08:00:00	0.0	1652.7	193.0	1845.7	Producing
02/14/15	09:00:00	0.0	1651.8	193.0	1844.8	Producing
02/14/15	10:00:00	0.0	1701.3	193.0	1894.3	Producing
02/14/15	11:00:00	0.0	1699.3	193.0	1892.3	Producing
02/14/15	12:00:00	0.0	1699.7	193.0	1892.7	Producing
02/14/15	13:00:00	0.1	1699.7	193.0	1892.7	Producing
02/14/15	14:00:00	0.1	1699.0	193.0	1892.0	Producing
02/14/15	15:00:00	0.2	1699.7	193.0	1892.7	Producing
02/14/15	16:00:00	0.3	1698.7	193.0	1891.7	Producing
02/14/15	17:00:00	0.4	1698.8	193.0	1891.8	Producing
02/14/15	18:00:00	0.4	1696.2	193.0	1889.2	Producing
02/14/15	19:00:00	0.5	1693.0	193.0	1886.0	Producing
02/14/15	20:00:00	0.6	1694.2	193.0	1887.2	Producing
02/14/15	21:00:00	0.6	1695.0	193.0	1888.0	Producing
02/14/15	22:00:00	0.7	1695.2	193.0	1888.2	Producing
02/14/15	23:00:00	0.8	1695.4	193.0	1888.4	Producing
02/15/15	00:00:00	0.8	1695.5	193.0	1888.5	Producing
02/15/15	01:00:00	0.9	1695.6	193.0	1888.6	Producing
02/15/15	02:00:00	1.0	1695.5	193.0	1888.5	Producing
02/15/15	03:00:00	1.0	1690.4	193.0	1883.4	Producing
02/15/15	04:00:00	1.1	1678.7	193.0	1871.7	Producing
02/15/15	05:00:00	1.2	1675.2	193.0	1868.2	Producing
02/15/15	06:00:00	1.3	1668.2	193.0	1861.2	Producing
02/15/15	07:00:00	1.4	1661.4	193.0	1854.4	Producing
02/15/15	08:00:00	1.5	1664.3	193.0	1857.3	Producing
02/15/15	09:00:00	1.6	1667.1	193.0	1860.1	Producing
02/15/15	10:00:00	1.6	1707.9	193.0	1900.9	Producing
02/15/15	11:00:00	1.7	1699.7	193.0	1892.7	Producing
02/15/15	12:00:00	1.8	1699.9	193.0	1892.9	Producing
02/15/15	13:00:00	1.8	1700.1	193.0	1893.1	Producing
02/15/15	14:00:00	1.9	1699.9	193.0	1892.9	Producing
02/15/15	15:00:00	2.0	1699.1	193.0	1892.1	Producing
02/15/15	16:00:00	2.0	1696.7	193.0	1889.7	Producing
02/15/15	17:00:00	2.1	1695.4	193.0	1888.4	Producing
02/15/15	18:00:00	2.2	1693.2	193.0	1886.2	Producing
02/15/15	19:00:00	2.2	1694.1	193.0	1887.1	Producing
02/15/15	20:00:00	2.3	1694.9	193.0	1887.9	Producing
02/15/15	21:00:00	2.4	1695.5	193.0	1888.5	Producing
02/15/15	22:00:00	2.5	1695.6	193.0	1888.6	Producing
02/15/15	23:00:00	2.6	1696.0	193.0	1889.0	Producing
02/16/15	00:00:00	2.6	1696.0	193.0	1889.0	Producing
02/16/15	01:00:00	2.7	1696.1	193.0	1889.1	Producing
02/16/15	02:00:00	2.8	1695.9	193.0	1888.9	Producing
02/16/15	03:00:00	2.9	1688.0	193.0	1881.0	Producing
02/16/15	04:00:00	3.0	1680.8	193.0	1873.8	Producing
02/16/15	05:00:00	3.1	1670.9	193.0	1863.9	Producing
02/16/15	06:00:00	3.1	1667.5	193.0	1860.5	Producing
02/16/15	07:00:00	3.2	1664.1	193.0	1857.1	Producing
02/16/15	08:00:00	3.3	1658.7	193.0	1851.7	Producing
02/16/15	09:00:00	3.4	1670.4	193.0	1863.4	Producing
02/16/15	10:00:00	3.5	1710.0	193.0	1903.0	Producing
02/16/15	11:00:00	3.5	1700.9	193.0	1893.9	Producing
02/16/15	12:00:00	3.6	1700.9	193.0	1893.9	Producing
02/16/15	13:00:00	3.7	1700.8	193.0	1893.8	Producing
02/16/15	14:00:00	3.8	1700.5	193.0	1893.5	Producing
02/16/15	15:00:00	3.8	1700.5	193.0	1893.5	Producing
02/16/15	16:00:00	3.9	1700.1	193.0	1893.1	Producing
02/16/15	17:00:00	4.0	1701.4	193.0	1894.4	Producing
02/16/15	18:00:00	4.0	1694.0	193.0	1887.0	Producing
02/16/15	19:00:00	4.1	1694.8	193.0	1887.8	Producing
02/16/15	20:00:00	4.2	1695.6	193.0	1888.6	Producing
02/16/15	21:00:00	4.3	1696.5	193.0	1889.5	Producing
02/16/15	22:00:00	4.3	1696.7	193.0	1889.7	Producing
02/16/15	23:00:00	4.4	1696.8	193.0	1889.8	Producing
02/17/15	00:00:00	4.5	1697.0	193.0	1890.0	Producing
02/17/15	01:00:00	4.6	1697.2	193.0	1890.2	Producing
02/17/15	02:00:00	4.7	1697.0	193.0	1890.0	Producing
02/17/15	03:00:00	4.8	1694.3	193.0	1887.3	Producing
02/17/15	04:00:00	4.8	1690.9	193.0	1883.9	Producing
02/17/15	05:00:00	4.9	1683.1	193.0	1876.1	Producing
02/17/15	06:00:00	5.0	1677.4	193.0	1870.4	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/17/15	07:00:00	5.0	1691.0	193.0	1884.0	Producing
02/17/15	08:00:00	5.0	1695.0	193.0	1888.0	Producing
02/17/15	09:00:00	5.0	1698.3	193.0	1891.3	Producing
02/17/15	10:00:00	5.0	1713.7	193.0	1906.7	Producing
02/17/15	11:00:00	5.0	1720.8	193.0	1913.8	Producing
02/17/15	12:00:00	5.0	1702.0	193.0	1895.0	Producing
02/17/15	13:00:00	5.0	1701.3	193.0	1894.3	Producing
02/17/15	14:00:00	5.0	1700.4	193.0	1893.4	Producing
02/17/15	15:00:00	5.0	1699.2	193.0	1892.2	Producing
02/17/15	16:00:00	5.0	1698.9	193.0	1891.9	Producing
02/17/15	17:00:00	5.0	1696.6	193.0	1889.6	Producing
02/17/15	18:00:00	5.0	1696.6	193.0	1889.6	Producing
02/17/15	19:00:00	5.0	1697.4	193.0	1890.4	Producing
02/17/15	20:00:00	5.0	1697.7	193.0	1890.7	Producing
02/17/15	21:00:00	5.0	1697.9	193.0	1890.9	Producing
02/17/15	22:00:00	5.0	1698.0	193.0	1891.0	Producing
02/17/15	23:00:00	5.0	1698.2	193.0	1891.2	Producing
02/18/15	00:00:00	5.0	1698.3	193.0	1891.3	Producing
02/18/15	01:00:00	5.0	1698.1	193.0	1891.1	Producing
02/18/15	02:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	03:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	04:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	05:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	06:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	07:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	08:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	09:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	10:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	11:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	12:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	13:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	14:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	15:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	16:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	17:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	18:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	19:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	20:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	21:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	22:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	23:00:00	5.1	(1)	193.0	(1)	Producing
02/19/15	00:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	01:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	02:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	03:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	04:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	05:00:00	5.3	(1)	193.0	(1)	Producing
02/19/15	06:00:00	5.4	(1)	193.0	(1)	Producing
02/19/15	07:00:00	5.5	(1)	193.0	(1)	Producing
02/19/15	08:00:00	5.5	(1)	193.0	(1)	Producing
02/19/15	09:00:00	5.6	(1)	193.0	(1)	Producing
02/19/15	10:00:00	5.7	(1)	193.0	(1)	Producing
02/19/15	11:00:00	5.8	(1)	193.0	(1)	Producing
02/19/15	12:00:00	5.8	(1)	193.0	(1)	Producing
02/19/15	13:00:00	5.9	(1)	193.0	(1)	Producing
02/19/15	14:00:00	6.0	(1)	193.0	(1)	Producing
02/19/15	15:00:00	6.1	(1)	193.0	(1)	Producing
02/19/15	16:00:00	6.1	(1)	193.0	(1)	Producing
02/19/15	17:00:00	6.2	(1)	193.0	(1)	Producing
02/19/15	18:00:00	6.3	(1)	193.0	(1)	Producing
02/19/15	19:00:00	6.4	(1)	193.0	(1)	Producing
02/19/15	20:00:00	6.5	(1)	193.0	(1)	Producing
02/19/15	21:00:00	6.5	(1)	193.0	(1)	Producing
02/19/15	22:00:00	6.6	(1)	193.0	(1)	Producing
02/19/15	23:00:00	6.7	(1)	193.0	(1)	Producing
02/20/15	00:00:00	6.8	(1)	193.0	(1)	Producing
02/20/15	01:00:00	6.8	(1)	193.0	(1)	Producing
02/20/15	02:00:00	6.9	(1)	193.0	(1)	Producing
02/20/15	03:00:00	7.0	(1)	193.0	(1)	Producing
02/20/15	04:00:00	7.1	(1)	193.0	(1)	Producing
02/20/15	05:00:00	7.2	(1)	193.0	(1)	Producing
02/20/15	06:00:00	7.2	(1)	193.0	(1)	Producing
02/20/15	07:00:00	7.3	(1)	193.0	(1)	Producing
02/20/15	08:00:00	7.4	(1)	193.0	(1)	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/20/15	09:00:00	7.5	(1)	193.0	(1)	Producing
02/20/15	10:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	11:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	12:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	13:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	14:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	15:00:00	7.6	1704.4	193.0	1897.4	Producing
02/20/15	16:00:00	7.6	1703.8	193.0	1896.8	Producing
02/20/15	17:00:00	7.7	1700.4	193.0	1893.4	Producing
02/20/15	18:00:00	7.7	1697.1	193.0	1890.1	Producing
02/20/15	19:00:00	7.7	1698.1	193.0	1891.1	Producing
02/20/15	20:00:00	7.8	1699.1	193.0	1892.1	Producing
02/20/15	21:00:00	7.9	1699.3	193.0	1892.3	Producing
02/20/15	22:00:00	8.0	1699.5	193.0	1892.5	Producing
02/20/15	23:00:00	8.1	1699.5	193.0	1892.5	Producing
02/21/15	00:00:00	8.2	1699.4	193.0	1892.4	Producing
02/21/15	01:00:00	8.2	1697.7	193.0	1890.7	Producing
02/21/15	02:00:00	8.3	1698.9	193.0	1891.9	Producing
02/21/15	03:00:00	8.4	1704.2	193.0	1897.2	Producing
02/21/15	04:00:00	8.5	1706.1	193.0	1899.1	Producing
02/21/15	05:00:00	8.6	1707.5	193.0	1900.5	Producing
02/21/15	06:00:00	8.7	1709.4	193.0	1902.4	Producing
02/21/15	07:00:00	8.8	1711.6	193.0	1904.6	Producing
02/21/15	08:00:00	8.8	1711.6	193.0	1904.6	Producing
02/21/15	09:00:00	8.9	1713.6	193.0	1906.6	Producing
02/21/15	10:00:00	9.0	1715.3	193.0	1908.3	Producing
02/21/15	11:00:00	9.1	1723.3	193.0	1916.3	Producing
02/21/15	12:00:00	9.2	1727.1	193.0	1920.1	Producing
02/21/15	13:00:00	9.3	1704.0	193.0	1897.0	Producing
02/21/15	14:00:00	9.4	1703.3	193.0	1896.3	Producing
02/21/15	15:00:00	9.4	1703.9	193.0	1896.9	Producing
02/21/15	16:00:00	9.5	1703.2	193.0	1896.2	Producing
02/21/15	17:00:00	9.6	1703.5	193.0	1896.5	Producing
02/21/15	18:00:00	9.7	1700.8	193.0	1893.8	Producing
02/21/15	19:00:00	9.7	1698.9	193.0	1891.9	Producing
02/21/15	20:00:00	9.8	1699.8	193.0	1892.8	Producing
02/21/15	21:00:00	9.9	1700.2	193.0	1893.2	Producing
02/21/15	22:00:00	10.0	1700.8	193.0	1893.8	Producing
02/21/15	23:00:00	10.1	1700.9	193.0	1893.9	Producing
02/22/15	00:00:00	10.2	1701.9	193.0	1894.9	Producing
02/22/15	01:00:00	10.2	1702.0	193.0	1895.0	Producing
02/22/15	02:00:00	10.3	1702.1	193.0	1895.1	Producing
02/22/15	03:00:00	10.4	1702.1	193.0	1895.1	Producing
02/22/15	04:00:00	10.5	1702.3	193.0	1895.3	Producing
02/22/15	05:00:00	10.6	1701.4	193.0	1894.4	Producing
02/22/15	06:00:00	10.6	1692.7	193.0	1885.7	Producing
02/22/15	07:00:00	10.7	1683.8	193.0	1876.8	Producing
02/22/15	08:00:00	10.8	1681.8	193.0	1874.8	Producing
02/22/15	09:00:00	10.9	1685.0	193.0	1878.0	Producing
02/22/15	10:00:00	11.0	1718.6	193.0	1911.6	Producing
02/22/15	11:00:00	11.0	1705.6	193.0	1898.6	Producing
02/22/15	12:00:00	11.1	1705.3	193.0	1898.3	Producing
02/22/15	13:00:00	11.2	1704.7	193.0	1897.7	Producing
02/22/15	14:00:00	11.3	1705.1	193.0	1898.1	Producing
02/22/15	15:00:00	11.4	1700.8	193.0	1893.8	Producing
02/22/15	16:00:00	11.4	1703.1	193.0	1896.1	Producing
02/22/15	17:00:00	11.5	1703.0	193.0	1896.0	Producing
02/22/15	18:00:00	11.6	1699.8	193.0	1892.8	Producing
02/22/15	19:00:00	11.7	1700.5	193.0	1893.5	Producing
02/22/15	20:00:00	11.8	1701.0	193.0	1894.0	Producing
02/22/15	21:00:00	11.9	1701.0	193.0	1894.0	Producing
02/22/15	22:00:00	12.0	1701.2	193.0	1894.2	Producing
02/22/15	23:00:00	12.0	1701.4	193.0	1894.4	Producing
02/23/15	00:00:00	12.1	1703.2	193.0	1896.2	Producing
02/23/15	01:00:00	12.2	1704.4	193.0	1897.4	Producing
02/23/15	02:00:00	12.3	1701.4	193.0	1894.4	Producing
02/23/15	03:00:00	12.4	1701.9	193.0	1894.9	Producing
02/23/15	04:00:00	12.5	1701.8	193.0	1894.8	Producing
02/23/15	05:00:00	12.6	1696.7	193.0	1889.7	Producing
02/23/15	06:00:00	12.7	1689.6	193.0	1882.6	Producing
02/23/15	07:00:00	12.8	1687.0	193.0	1880.0	Producing
02/23/15	08:00:00	12.8	1682.4	193.0	1875.4	Producing
02/23/15	09:00:00	12.9	1683.5	193.0	1876.5	Producing
02/23/15	10:00:00	13.0	1724.0	193.0	1917.0	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/23/15	11:00:00	13.1	1734.5	193.0	1927.5	Producing
02/23/15	12:00:00	13.2	1706.1	193.0	1899.1	Producing
02/23/15	13:00:00	13.3	1706.5	193.0	1899.5	Producing
02/23/15	14:00:00	13.3	1706.6	193.0	1899.6	Producing
02/23/15	15:00:00	13.5	1703.9	193.0	1896.9	Producing
02/23/15	16:00:00	13.6	1703.2	193.0	1896.2	Producing
02/23/15	17:00:00	13.7	1701.4	193.0	1894.4	Producing
02/23/15	18:00:00	13.9	1701.2	193.0	1894.2	Producing
02/23/15	19:00:00	14.1	1701.8	193.0	1894.8	Producing
02/23/15	20:00:00	14.2	1702.1	193.0	1895.1	Producing
02/23/15	21:00:00	14.3	1701.7	193.0	1894.7	Producing
02/23/15	22:00:00	14.4	1696.6	193.0	1889.6	Producing
02/23/15	23:00:00	14.6	1694.4	193.0	1887.4	Producing
02/24/15	00:00:00	14.7	1677.3	193.0	1870.3	Producing
02/24/15	01:00:00	14.9	1662.0	193.0	1855.0	Producing
02/24/15	02:00:00	15.0	1658.4	193.0	1851.4	Producing
02/24/15	03:00:00	15.2	1655.4	193.0	1848.4	Producing
02/24/15	04:00:00	15.3	1652.0	193.0	1845.0	Producing
02/24/15	05:00:00	15.5	1653.4	193.0	1846.4	Producing
02/24/15	06:00:00	15.6	1651.6	193.0	1844.6	Producing
02/24/15	07:00:00	15.8	1652.3	193.0	1845.3	Producing
02/24/15	08:00:00	15.9	1650.6	193.0	1843.6	Producing
02/24/15	09:00:00	16.0	1677.9	193.0	1870.9	Producing
02/24/15	10:00:00	16.2	1721.2	193.0	1914.2	Producing
02/24/15	11:00:00	16.3	1710.2	193.0	1903.2	Producing
02/24/15	12:00:00	16.5	1709.1	193.0	1902.1	Producing
02/24/15	13:00:00	16.6	1709.1	193.0	1902.1	Producing
02/24/15	14:00:00	16.8	1710.6	193.0	1903.6	Producing
02/24/15	15:00:00	17.0	1710.7	193.0	1903.7	Producing
02/24/15	16:00:00	17.2	1709.2	193.0	1902.2	Producing
02/24/15	17:00:00	17.4	1706.0	193.0	1899.0	Producing
02/24/15	18:00:00	17.6	1705.6	193.0	1898.6	Producing
02/24/15	19:00:00	17.8	1701.6	193.0	1894.6	Producing
02/24/15	20:00:00	18.0	1702.4	193.0	1895.4	Producing
02/24/15	21:00:00	18.2	1703.5	193.0	1896.5	Producing
02/24/15	22:00:00	18.4	1704.8	193.0	1897.8	Producing
02/24/15	23:00:00	18.6	1704.9	193.0	1897.9	Producing
02/25/15	00:00:00	18.8	1705.1	193.0	1898.1	Producing
02/25/15	01:00:00	19.0	1700.6	193.0	1893.6	Producing
02/25/15	02:00:00	19.2	1691.4	193.0	1884.4	Producing
02/25/15	03:00:00	19.4	1692.2	193.0	1885.2	Producing
02/25/15	04:00:00	19.6	1683.8	193.0	1876.8	Producing
02/25/15	05:00:00	19.8	1679.6	193.0	1872.6	Producing
02/25/15	06:00:00	20.0	1678.0	193.0	1871.0	Producing
02/25/15	07:00:00	20.2	1677.3	193.0	1870.3	Producing
02/25/15	08:00:00	20.5	1678.7	193.0	1871.7	Producing
02/25/15	09:00:00	20.7	1702.2	193.0	1895.2	Producing
02/25/15	10:00:00	20.9	1726.8	193.0	1919.8	Producing
02/25/15	11:00:00	21.0	1709.2	193.0	1902.2	Producing
02/25/15	12:00:00	21.1	1709.8	193.0	1902.8	Producing
02/25/15	13:00:00	21.3	1710.4	193.0	1903.4	Producing
02/25/15	14:00:00	21.3	1710.3	193.0	1903.3	Producing
02/25/15	15:00:00	21.3	1709.8	193.0	1902.8	Producing
02/25/15	16:00:00	21.3	1706.2	193.0	1899.2	Producing
02/25/15	17:00:00	21.3	1709.1	193.0	1902.1	Producing
02/25/15	18:00:00	21.4	1704.9	193.0	1897.9	Producing
02/25/15	19:00:00	21.5	1705.3	193.0	1898.3	Producing
02/25/15	20:00:00	21.8	1706.0	193.0	1899.0	Producing
02/25/15	21:00:00	22.0	1706.3	193.0	1899.3	Producing
02/25/15	22:00:00	22.2	1706.5	193.0	1899.5	Producing
02/25/15	23:00:00	22.4	1707.0	193.0	1900.0	Producing
02/26/15	00:00:00	22.7	1707.1	193.0	1900.1	Producing
02/26/15	01:00:00	22.9	1707.4	193.0	1900.4	Producing
02/26/15	02:00:00	23.1	1707.5	193.0	1900.5	Producing
02/26/15	03:00:00	23.4	1706.2	193.0	1899.2	Producing
02/26/15	04:00:00	23.6	1698.4	193.0	1891.4	Producing
02/26/15	05:00:00	23.8	1688.4	193.0	1881.4	Producing
02/26/15	06:00:00	24.1	1691.4	193.0	1884.4	Producing
02/26/15	07:00:00	24.3	1690.6	193.0	1883.6	Producing
02/26/15	08:00:00	24.5	1683.3	193.0	1876.3	Producing
02/26/15	09:00:00	24.8	1703.2	193.0	1896.2	Producing
02/26/15	10:00:00	25.0	1728.7	193.0	1921.7	Shut-in
02/26/15	11:00:00	25.2	1712.7	193.0	1905.7	Shut-in
02/26/15	12:00:00	25.4	1712.7	193.0	1905.7	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/26/15	13:00:00	25.6	1712.1	193.0	1905.1	Shut-in
02/26/15	14:00:00	25.8	1712.1	193.0	1905.1	Shut-in
02/26/15	15:00:00	25.8	1710.3	193.0	1903.3	Shut-in
02/26/15	16:00:00	25.8	1710.3	193.0	1903.3	Shut-in
02/26/15	17:00:00	25.8	1710.3	193.0	1903.3	Shut-in
02/26/15	18:00:00	25.9	1710.3	193.0	1903.3	Shut-in
02/26/15	19:00:00	26.1	1710.3	193.0	1903.3	Shut-in
02/26/15	20:00:00	26.4	1710.3	193.0	1903.3	Shut-in
02/26/15	21:00:00	26.6	1710.3	193.0	1903.3	Shut-in
02/26/15	22:00:00	26.8	1710.3	193.0	1903.3	Shut-in
02/26/15	23:00:00	27.1	1710.3	193.0	1903.3	Shut-in
02/27/15	00:00:00	27.3	1711.2	193.0	1904.2	Shut-in
02/27/15	01:00:00	27.5	1709.6	193.0	1902.6	Shut-in
02/27/15	02:00:00	27.8	1709.3	193.0	1902.3	Shut-in
02/27/15	03:00:00	28.0	1709.4	193.0	1902.4	Shut-in
02/27/15	04:00:00	28.2	1709.6	193.0	1902.6	Shut-in
02/27/15	05:00:00	28.5	1709.9	193.0	1902.9	Shut-in
02/27/15	06:00:00	28.7	1709.8	193.0	1902.8	Shut-in
02/27/15	07:00:00	28.9	1711.0	193.0	1904.0	Shut-in
02/27/15	08:00:00	29.1	1713.6	193.0	1906.6	Shut-in
02/27/15	09:00:00	29.3	1714.3	193.0	1907.3	Shut-in
02/27/15	10:00:00	29.5	1714.1	193.0	1907.1	Shut-in
02/27/15	11:00:00	29.8	1713.9	193.0	1906.9	Shut-in
02/27/15	12:00:00	30.0	1713.5	193.0	1906.5	Shut-in
02/27/15	13:00:00	30.2	1714.6	193.0	1907.6	Shut-in
02/27/15	14:00:00	30.4	1712.4	193.0	1905.4	Shut-in
02/27/15	15:00:00	30.7	1713.7	193.0	1906.7	Shut-in
02/27/15	16:00:00	30.9	1710.4	193.0	1903.4	Shut-in
02/27/15	17:00:00	31.1	1709.9	193.0	1902.9	Shut-in
02/27/15	18:00:00	31.4	1710.4	193.0	1903.4	Shut-in
02/27/15	19:00:00	31.6	1710.6	193.0	1903.6	Shut-in
02/27/15	20:00:00	31.8	1710.8	193.0	1903.8	Shut-in
02/27/15	21:00:00	32.1	1711.0	193.0	1904.0	Shut-in
02/27/15	22:00:00	32.3	1711.2	193.0	1904.2	Shut-in
02/27/15	23:00:00	32.6	1711.5	193.0	1904.5	Shut-in
02/28/15	00:00:00	32.8	1711.9	193.0	1904.9	Shut-in
02/28/15	01:00:00	33.0	1712.3	193.0	1905.3	Shut-in
02/28/15	02:00:00	33.3	1713.4	193.0	1906.4	Shut-in
02/28/15	03:00:00	33.5	1713.8	193.0	1906.8	Shut-in
02/28/15	04:00:00	33.7	1708.8	193.0	1901.8	Shut-in
02/28/15	05:00:00	34.0	1707.8	193.0	1900.8	Shut-in
02/28/15	06:00:00	34.2	1705.2	193.0	1898.2	Shut-in
02/28/15	07:00:00	34.4	1693.6	193.0	1886.6	Shut-in
02/28/15	08:00:00	34.7	1688.0	193.0	1881.0	Shut-in
02/28/15	09:00:00	34.9	1689.6	193.0	1882.6	Shut-in
02/28/15	10:00:00	35.1	1713.1	193.0	1906.1	Shut-in
02/28/15	11:00:00	35.4	1733.0	193.0	1926.0	Shut-in
02/28/15	12:00:00	35.6	1717.1	193.0	1910.1	Shut-in
02/28/15	13:00:00	35.9	1716.0	193.0	1909.0	Shut-in
02/28/15	14:00:00	36.1	1714.6	193.0	1907.6	Shut-in
02/28/15	15:00:00	36.4	1712.6	193.0	1905.6	Shut-in
02/28/15	16:00:00	36.6	1716.0	193.0	1909.0	Shut-in
02/28/15	17:00:00	36.9	1717.1	193.0	1910.1	Shut-in
02/28/15	18:00:00	37.1	1713.8	193.0	1906.8	Shut-in
02/28/15	19:00:00	37.4	1713.1	193.0	1906.1	Shut-in
02/28/15	20:00:00	37.6	1713.5	193.0	1906.5	Shut-in
02/28/15	21:00:00	37.9	1713.6	193.0	1906.6	Shut-in
02/28/15	22:00:00	38.2	1714.0	193.0	1907.0	Shut-in
02/28/15	23:00:00	38.4	1714.4	193.0	1907.4	Shut-in
03/01/15	00:00:00	38.6	1714.6	193.0	1907.6	Shut-in
03/01/15	01:00:00	38.9	1712.3	193.0	1905.3	Shut-in
03/01/15	02:00:00	39.1	1703.5	193.0	1896.5	Shut-in
03/01/15	03:00:00	39.3	1697.9	193.0	1890.9	Shut-in
03/01/15	04:00:00	39.4	1692.0	193.0	1885.0	Shut-in
03/01/15	05:00:00	39.6	1685.9	193.0	1878.9	Shut-in
03/01/15	06:00:00	39.8	1695.0	193.0	1888.0	Shut-in
03/01/15	07:00:00	39.9	1680.6	193.0	1873.6	Shut-in
03/01/15	08:00:00	40.1	1670.9	193.0	1863.9	Shut-in
03/01/15	09:00:00	40.3	1708.1	193.0	1901.1	Shut-in
03/01/15	10:00:00	40.6	1765.3	193.0	1958.3	Shut-in
03/01/15	11:00:00	40.8	1727.7	193.0	1920.7	Shut-in
03/01/15	12:00:00	41.0	1719.6	193.0	1912.6	Shut-in
03/01/15	13:00:00	41.3	1719.6	193.0	1912.6	Shut-in
03/01/15	14:00:00	41.5	1719.8	193.0	1912.8	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/01/15	15:00:00	41.8	1718.4	193.0	1911.4	Shut-in
03/01/15	16:00:00	42.0	1719.0	193.0	1912.0	Shut-in
03/01/15	17:00:00	42.2	1719.3	193.0	1912.3	Shut-in
03/01/15	18:00:00	42.5	1717.9	193.0	1910.9	Shut-in
03/01/15	19:00:00	42.7	1714.7	193.0	1907.7	Shut-in
03/01/15	20:00:00	43.0	1715.9	193.0	1908.9	Shut-in
03/01/15	21:00:00	43.2	1716.6	193.0	1909.6	Shut-in
03/01/15	22:00:00	43.5	1717.0	193.0	1910.0	Shut-in
03/01/15	23:00:00	43.7	1717.1	193.0	1910.1	Shut-in
03/02/15	00:00:00	44.0	1716.7	193.0	1909.7	Shut-in
03/02/15	01:00:00	44.3	1707.8	193.0	1900.8	Shut-in
03/02/15	02:00:00	44.5	1700.2	193.0	1893.2	Shut-in
03/02/15	03:00:00	44.8	1695.1	193.0	1888.1	Shut-in
03/02/15	04:00:00	45.0	1701.3	193.0	1894.3	Shut-in
03/02/15	05:00:00	45.3	1701.8	193.0	1894.8	Shut-in
03/02/15	06:00:00	45.5	1699.0	193.0	1892.0	Shut-in
03/02/15	07:00:00	45.8	1701.4	193.0	1894.4	Shut-in
03/02/15	08:00:00	46.0	1700.2	193.0	1893.2	Shut-in
03/02/15	09:00:00	46.3	1711.3	193.0	1904.3	Shut-in
03/02/15	10:00:00	46.5	1738.8	193.0	1931.8	Shut-in
03/02/15	11:00:00	46.8	1735.2	193.0	1928.2	Shut-in
03/02/15	12:00:00	47.0	1722.1	193.0	1915.1	Shut-in
03/02/15	13:00:00	47.3	1721.6	193.0	1914.6	Shut-in
03/02/15	14:00:00	47.5	1721.3	193.0	1914.3	Shut-in
03/02/15	15:00:00	47.7	1722.6	193.0	1915.6	Shut-in
03/02/15	16:00:00	47.8	1720.4	193.0	1913.4	Shut-in
03/02/15	17:00:00	48.1	1718.3	193.0	1911.3	Shut-in
03/02/15	18:00:00	48.3	1721.5	193.0	1914.5	Shut-in
03/02/15	19:00:00	48.6	1719.1	193.0	1912.1	Shut-in
03/02/15	20:00:00	48.8	1719.2	193.0	1912.2	Shut-in
03/02/15	21:00:00	49.1	1719.5	193.0	1912.5	Shut-in
03/02/15	22:00:00	49.3	1719.7	193.0	1912.7	Shut-in
03/02/15	23:00:00	49.6	1717.7	193.0	1910.7	Shut-in
03/03/15	00:00:00	49.8	1707.8	193.0	1900.8	Shut-in
03/03/15	01:00:00	50.1	1698.3	193.0	1891.3	Shut-in
03/03/15	02:00:00	50.3	1692.0	193.0	1885.0	Shut-in
03/03/15	03:00:00	50.6	1684.2	193.0	1877.2	Shut-in
03/03/15	04:00:00	50.8	1681.2	193.0	1874.2	Shut-in
03/03/15	05:00:00	51.1	1677.7	193.0	1870.7	Shut-in
03/03/15	06:00:00	51.3	1674.9	193.0	1867.9	Shut-in
03/03/15	07:00:00	51.6	1673.4	193.0	1866.4	Shut-in
03/03/15	08:00:00	51.7	1670.0	193.0	1863.0	Shut-in
03/03/15	09:00:00	51.7	1699.4	193.0	1892.4	Shut-in
03/03/15	10:00:00	51.7	1755.4	193.0	1948.4	Shut-in
03/03/15	11:00:00	51.7	1739.5	193.0	1932.5	Shut-in
03/03/15	12:00:00	51.7	1725.6	193.0	1918.6	Shut-in
03/03/15	13:00:00	51.7	1725.4	193.0	1918.4	Shut-in
03/03/15	14:00:00	51.7	1725.2	193.0	1918.2	Shut-in
03/03/15	15:00:00	51.7	1725.5	193.0	1918.5	Shut-in
03/03/15	16:00:00	51.7	1724.0	193.0	1917.0	Shut-in
03/03/15	17:00:00	51.7	1723.6	193.0	1916.6	Shut-in
03/03/15	18:00:00	51.9	1722.2	193.0	1915.2	Shut-in
03/03/15	19:00:00	52.1	1721.3	193.0	1914.3	Shut-in
03/03/15	20:00:00	52.3	1721.3	193.0	1914.3	Shut-in
03/03/15	21:00:00	52.6	1721.8	193.0	1914.8	Shut-in
03/03/15	22:00:00	52.8	1722.3	193.0	1915.3	Shut-in
03/03/15	23:00:00	53.0	1722.3	193.0	1915.3	Shut-in
03/04/15	00:00:00	53.3	1721.4	193.0	1914.4	Shut-in
03/04/15	01:00:00	53.5	1715.8	193.0	1908.8	Shut-in
03/04/15	02:00:00	53.8	1705.9	193.0	1898.9	Shut-in
03/04/15	03:00:00	54.0	1689.3	193.0	1882.3	Shut-in
03/04/15	04:00:00	54.3	1676.6	193.0	1869.6	Shut-in
03/04/15	05:00:00	54.5	1661.3	193.0	1854.3	Shut-in
03/04/15	06:00:00	54.8	1653.7	193.0	1846.7	Shut-in
03/04/15	07:00:00	55.0	1654.8	193.0	1847.8	Shut-in
03/04/15	08:00:00	55.3	1646.4	193.0	1839.4	Shut-in
03/04/15	09:00:00	55.5	1684.1	193.0	1877.1	Shut-in
03/04/15	10:00:00	55.8	1740.7	193.0	1933.7	Shut-in
03/04/15	11:00:00	56.0	1728.2	193.0	1921.2	Shut-in
03/04/15	12:00:00	56.2	1727.1	193.0	1920.1	Shut-in
03/04/15	13:00:00	56.5	1727.9	193.0	1920.9	Shut-in
03/04/15	14:00:00	56.7	1725.8	193.0	1918.8	Shut-in
03/04/15	15:00:00	57.0	1726.5	193.0	1919.5	Shut-in
03/04/15	16:00:00	57.2	1727.1	193.0	1920.1	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/04/15	17:00:00	57.5	1726.6	193.0	1919.6	Shut-in
03/04/15	18:00:00	57.7	1724.1	193.0	1917.1	Shut-in
03/04/15	19:00:00	58.0	1721.8	193.0	1914.8	Shut-in
03/04/15	20:00:00	58.2	1723.0	193.0	1916.0	Shut-in
03/04/15	21:00:00	58.5	1723.6	193.0	1916.6	Shut-in
03/04/15	22:00:00	58.7	1724.0	193.0	1917.0	Shut-in
03/04/15	23:00:00	59.0	1724.2	193.0	1917.2	Shut-in
03/05/15	00:00:00	59.2	1724.6	193.0	1917.6	Shut-in
03/05/15	01:00:00	59.5	1724.8	193.0	1917.8	Shut-in
03/05/15	02:00:00	59.7	1725.1	193.0	1918.1	Shut-in
03/05/15	03:00:00	60.0	1725.2	193.0	1918.2	Shut-in
03/05/15	04:00:00	60.2	1725.4	193.0	1918.4	Shut-in
03/05/15	05:00:00	60.5	1725.5	193.0	1918.5	Shut-in
03/05/15	06:00:00	60.7	1725.8	193.0	1918.8	Shut-in
03/05/15	07:00:00	61.0	1720.8	193.0	1913.8	Shut-in
03/05/15	08:00:00	61.2	1718.7	193.0	1911.7	Shut-in
03/05/15	09:00:00	61.5	1761.8	193.0	1954.8	Shut-in
03/05/15	10:00:00	61.7	1791.0	193.0	1984.0	Shut-in
03/05/15	11:00:00	62.0	1730.0	193.0	1923.0	Shut-in
03/05/15	12:00:00	62.2	1730.0	193.0	1923.0	Shut-in
03/05/15	13:00:00	62.5	1729.8	193.0	1922.8	Shut-in
03/05/15	14:00:00	62.7	1729.9	193.0	1922.9	Shut-in
03/05/15	15:00:00	62.9	1731.0	193.0	1924.0	Shut-in
03/05/15	16:00:00	63.2	1730.1	193.0	1923.1	Shut-in
03/05/15	17:00:00	63.4	1728.0	193.0	1921.0	Shut-in
03/05/15	18:00:00	63.7	1724.2	193.0	1917.2	Shut-in
03/05/15	19:00:00	64.0	1724.6	193.0	1917.6	Shut-in
03/05/15	20:00:00	64.2	1726.0	193.0	1919.0	Shut-in
03/05/15	21:00:00	64.5	1726.5	193.0	1919.5	Shut-in
03/05/15	22:00:00	64.7	1726.8	193.0	1919.8	Shut-in
03/05/15	23:00:00	65.0	1727.1	193.0	1920.1	Shut-in
03/06/15	00:00:00	65.2	1727.4	193.0	1920.4	Shut-in
03/06/15	01:00:00	65.5	1724.6	193.0	1917.6	Shut-in
03/06/15	02:00:00	65.7	1702.9	193.0	1895.9	Shut-in
03/06/15	03:00:00	66.0	1694.5	193.0	1887.5	Shut-in
03/06/15	04:00:00	66.2	1693.2	193.0	1886.2	Shut-in
03/06/15	05:00:00	66.5	1680.0	193.0	1873.0	Shut-in
03/06/15	06:00:00	66.7	1678.8	193.0	1871.8	Shut-in
03/06/15	07:00:00	67.0	1672.9	193.0	1865.9	Shut-in
03/06/15	08:00:00	67.2	1674.0	193.0	1867.0	Shut-in
03/06/15	09:00:00	67.5	1710.0	193.0	1903.0	Shut-in
03/06/15	10:00:00	67.7	1746.1	193.0	1939.1	Shut-in
03/06/15	11:00:00	68.0	1732.9	193.0	1925.9	Shut-in
03/06/15	12:00:00	68.2	1733.1	193.0	1926.1	Shut-in
03/06/15	13:00:00	68.4	1732.9	193.0	1925.9	Shut-in
03/06/15	14:00:00	68.7	1732.6	193.0	1925.6	Shut-in
03/06/15	15:00:00	68.9	1731.7	193.0	1924.7	Shut-in
03/06/15	16:00:00	69.2	1730.4	193.0	1923.4	Shut-in
03/06/15	17:00:00	69.4	1732.1	193.0	1925.1	Shut-in
03/06/15	18:00:00	69.7	1730.8	193.0	1923.8	Shut-in
03/06/15	19:00:00	69.9	1728.1	193.0	1921.1	Shut-in
03/06/15	20:00:00	70.2	1728.3	193.0	1921.3	Shut-in
03/06/15	21:00:00	70.4	1729.2	193.0	1922.2	Shut-in
03/06/15	22:00:00	70.7	1729.5	193.0	1922.5	Shut-in
03/06/15	23:00:00	70.9	1729.7	193.0	1922.7	Shut-in
03/07/15	00:00:00	71.2	1729.8	193.0	1922.8	Shut-in
03/07/15	01:00:00	71.4	1729.9	193.0	1922.9	Shut-in
03/07/15	02:00:00	71.7	1724.9	193.0	1917.9	Shut-in
03/07/15	03:00:00	71.9	1716.3	193.0	1909.3	Shut-in
03/07/15	04:00:00	72.2	1708.4	193.0	1901.4	Shut-in
03/07/15	05:00:00	72.4	1703.8	193.0	1896.8	Shut-in
03/07/15	06:00:00	72.7	1700.0	193.0	1893.0	Shut-in
03/07/15	07:00:00	72.9	1693.0	193.0	1886.0	Shut-in
03/07/15	08:00:00	73.2	1692.9	193.0	1885.9	Shut-in
03/07/15	09:00:00	73.4	1732.3	193.0	1925.3	Shut-in
03/07/15	10:00:00	73.7	1747.9	193.0	1940.9	Shut-in
03/07/15	11:00:00	73.9	1735.8	193.0	1928.8	Shut-in
03/07/15	12:00:00	74.2	1736.0	193.0	1929.0	Shut-in
03/07/15	13:00:00	74.4	1736.1	193.0	1929.1	Shut-in
03/07/15	14:00:00	74.7	1736.6	193.0	1929.6	Shut-in
03/07/15	15:00:00	74.9	1736.3	193.0	1929.3	Shut-in
03/07/15	16:00:00	75.2	1736.1	193.0	1929.1	Shut-in
03/07/15	17:00:00	75.4	1734.2	193.0	1927.2	Shut-in
03/07/15	18:00:00	75.7	1733.9	193.0	1926.9	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/07/15	19:00:00	75.9	1729.6	193.0	1922.6	Shut-in
03/07/15	20:00:00	76.2	1731.2	193.0	1924.2	Shut-in
03/07/15	21:00:00	76.4	1732.2	193.0	1925.2	Shut-in
03/07/15	22:00:00	76.7	1732.6	193.0	1925.6	Shut-in
03/07/15	23:00:00	76.9	1732.8	193.0	1925.8	Shut-in
03/08/15	00:00:00	77.2	1732.9	193.0	1925.9	Shut-in
03/08/15	01:00:00	77.4	1733.0	193.0	1926.0	Shut-in
03/08/15	02:00:00	77.4	(2)	193.0	(2)	Shut-in
03/08/15	03:00:00	77.7	1733.3	193.0	1926.3	Shut-in
03/08/15	04:00:00	77.9	1733.4	193.0	1926.4	Shut-in
03/08/15	05:00:00	78.2	1731.3	193.0	1924.3	Shut-in
03/08/15	06:00:00	78.4	1723.6	193.0	1916.6	Shut-in
03/08/15	07:00:00	78.7	1716.9	193.0	1909.9	Shut-in
03/08/15	08:00:00	78.9	1707.1	193.0	1900.1	Shut-in
03/08/15	09:00:00	79.2	1703.4	193.0	1896.4	Shut-in
03/08/15	10:00:00	79.4	1734.0	193.0	1927.0	Shut-in
03/08/15	11:00:00	79.7	1754.2	193.0	1947.2	Shut-in
03/08/15	12:00:00	79.9	1738.1	193.0	1931.1	Shut-in
03/08/15	13:00:00	80.1	1738.8	193.0	1931.8	Shut-in
03/08/15	14:00:00	80.4	1737.2	193.0	1930.2	Shut-in
03/08/15	15:00:00	80.6	1738.9	193.0	1931.9	Shut-in
03/08/15	16:00:00	80.9	1738.1	193.0	1931.1	Shut-in
03/08/15	17:00:00	81.1	1735.6	193.0	1928.6	Shut-in
03/08/15	18:00:00	81.4	1738.0	193.0	1931.0	Shut-in
03/08/15	19:00:00	81.6	1735.9	193.0	1928.9	Shut-in
03/08/15	20:00:00	81.9	1733.7	193.0	1926.7	Shut-in
03/08/15	21:00:00	82.1	1734.3	193.0	1927.3	Shut-in
03/08/15	22:00:00	82.4	1734.7	193.0	1927.7	Shut-in
03/08/15	23:00:00	82.6	1735.1	193.0	1928.1	Shut-in
03/09/15	00:00:00	82.9	1735.4	193.0	1928.4	Shut-in
03/09/15	01:00:00	83.1	1735.5	193.0	1928.5	Shut-in
03/09/15	02:00:00	83.4	1735.6	193.0	1928.6	Shut-in
03/09/15	03:00:00	83.6	1735.9	193.0	1928.9	Shut-in
03/09/15	04:00:00	83.9	1736.0	193.0	1929.0	Shut-in
03/09/15	05:00:00	84.1	1738.6	193.0	1931.6	Shut-in
03/09/15	06:00:00	84.4	1743.0	193.0	1936.0	Shut-in
03/09/15	07:00:00	84.6	1730.2	193.0	1923.2	Shut-in
03/09/15	08:00:00	84.9	1716.6	193.0	1909.6	Shut-in
03/09/15	09:00:00	85.1	1712.7	193.0	1905.7	Shut-in
03/09/15	10:00:00	85.4	1756.2	193.0	1949.2	Shut-in
03/09/15	11:00:00	85.6	1744.8	193.0	1937.8	Shut-in
03/09/15	12:00:00	85.9	1740.8	193.0	1933.8	Shut-in
03/09/15	13:00:00	86.1	1741.2	193.0	1934.2	Shut-in
03/09/15	14:00:00	86.3	1741.2	193.0	1934.2	Shut-in
03/09/15	15:00:00	86.6	1741.7	193.0	1934.7	Shut-in
03/09/15	16:00:00	86.8	1741.1	193.0	1934.1	Shut-in
03/09/15	17:00:00	87.1	1740.1	193.0	1933.1	Shut-in
03/09/15	18:00:00	87.3	1741.1	193.0	1934.1	Shut-in
03/09/15	19:00:00	87.6	1737.4	193.0	1930.4	Shut-in
03/09/15	20:00:00	87.8	1735.5	193.0	1928.5	Shut-in
03/09/15	21:00:00	88.1	1736.8	193.0	1929.8	Shut-in
03/09/15	22:00:00	88.3	1737.2	193.0	1930.2	Shut-in
03/09/15	23:00:00	88.6	1737.5	193.0	1930.5	Shut-in
03/10/15	00:00:00	88.8	1737.6	193.0	1930.6	Shut-in
03/10/15	01:00:00	89.1	1737.9	193.0	1930.9	Shut-in
03/10/15	02:00:00	89.3	1738.1	193.0	1931.1	Shut-in
03/10/15	03:00:00	89.6	1738.2	193.0	1931.2	Shut-in
03/10/15	04:00:00	89.8	1738.3	193.0	1931.3	Shut-in
03/10/15	05:00:00	90.0	1731.1	193.0	1924.1	Shut-in
03/10/15	06:00:00	90.3	1724.5	193.0	1917.5	Shut-in
03/10/15	07:00:00	90.5	1717.1	193.0	1910.1	Shut-in
03/10/15	08:00:00	90.7	1714.7	193.0	1907.7	Shut-in
03/10/15	09:00:00	90.9	1717.5	193.0	1910.5	Shut-in
03/10/15	10:00:00	91.1	1735.7	193.0	1928.7	Shut-in
03/10/15	11:00:00	91.4	1748.6	193.0	1941.6	Shut-in
03/10/15	12:00:00	91.6	1743.2	193.0	1936.2	Shut-in
03/10/15	13:00:00	91.8	1742.1	193.0	1935.1	Shut-in
03/10/15	14:00:00	92.1	1742.3	193.0	1935.3	Shut-in
03/10/15	15:00:00	92.3	1742.7	193.0	1935.7	Shut-in
03/10/15	16:00:00	92.6	1740.7	193.0	1933.7	Shut-in
03/10/15	17:00:00	92.8	1738.4	193.0	1931.4	Shut-in
03/10/15	18:00:00	93.1	1739.5	193.0	1932.5	Shut-in
03/10/15	19:00:00	93.3	1739.1	193.0	1932.1	Shut-in
03/10/15	20:00:00	93.7	1739.2	193.0	1932.2	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/10/15	21:00:00	93.9	1739.5	193.0	1932.5	Shut-in
03/10/15	22:00:00	94.1	1739.7	193.0	1932.7	Shut-in
03/10/15	23:00:00	94.3	1739.9	193.0	1932.9	Shut-in
03/11/15	00:00:00	94.5	1740.0	193.0	1933.0	Shut-in
03/11/15	01:00:00	94.8	1740.2	193.0	1933.2	Shut-in
03/11/15	02:00:00	95.0	1740.4	193.0	1933.4	Shut-in
03/11/15	03:00:00	95.3	1741.0	193.0	1934.0	Shut-in
03/11/15	04:00:00	95.5	1741.2	193.0	1934.2	Shut-in
03/11/15	05:00:00	95.8	1741.5	193.0	1934.5	Shut-in
03/11/15	06:00:00	96.1	1740.7	193.0	1933.7	Shut-in
03/11/15	07:00:00	96.3	1740.9	193.0	1933.9	Shut-in
03/11/15	08:00:00	96.5	1741.1	193.0	1934.1	Shut-in
03/11/15	09:00:00	96.8	1741.1	193.0	1934.1	Shut-in
03/11/15	10:00:00	97.0	1741.5	193.0	1934.5	Shut-in
03/11/15	11:00:00	97.3	1743.8	193.0	1936.8	Shut-in
03/11/15	12:00:00	97.6	1744.4	193.0	1937.4	Shut-in
03/11/15	13:00:00	97.8	1744.9	193.0	1937.9	Shut-in
03/11/15	14:00:00	98.1	1745.2	193.0	1938.2	Shut-in
03/11/15	15:00:00	98.4	1745.6	193.0	1938.6	Shut-in
03/11/15	16:00:00	98.7	1745.5	193.0	1938.5	Shut-in
03/11/15	17:00:00	99.0	1745.0	193.0	1938.0	Shut-in
03/11/15	18:00:00	99.2	1743.1	193.0	1936.1	Shut-in
03/11/15	19:00:00	99.5	1741.7	193.0	1934.7	Shut-in
03/11/15	20:00:00	99.8	1743.9	193.0	1936.9	Shut-in
03/11/15	21:00:00	100.0	1741.9	193.0	1934.9	Shut-in
03/11/15	22:00:00	100.3	1742.2	193.0	1935.2	Shut-in
03/11/15	23:00:00	100.5	1742.4	193.0	1935.4	Shut-in
03/12/15	00:00:00	100.8	1742.5	193.0	1935.5	Shut-in
03/12/15	01:00:00	101.1	1742.8	193.0	1935.8	Shut-in
03/12/15	02:00:00	101.3	1742.9	193.0	1935.9	Shut-in
03/12/15	03:00:00	101.6	1743.0	193.0	1936.0	Shut-in
03/12/15	04:00:00	101.9	1743.2	193.0	1936.2	Shut-in
03/12/15	05:00:00	102.1	1743.2	193.0	1936.2	Shut-in
03/12/15	06:00:00	102.4	1744.7	193.0	1937.7	Shut-in
03/12/15	07:00:00	102.7	1743.1	193.0	1936.1	Shut-in
03/12/15	08:00:00	102.9	1739.2	193.0	1932.2	Shut-in
03/12/15	09:00:00	103.2	1747.2	193.0	1940.2	Shut-in
03/12/15	10:00:00	103.5	1775.9	193.0	1968.9	Shut-in
03/12/15	11:00:00	103.7	1748.3	193.0	1941.3	Shut-in
03/12/15	12:00:00	104.0	1748.8	193.0	1941.8	Shut-in
03/12/15	13:00:00	104.2	1749.1	193.0	1942.1	Shut-in
03/12/15	14:00:00	104.5	1748.9	193.0	1941.9	Shut-in
03/12/15	15:00:00	104.7	1748.8	193.0	1941.8	Shut-in
03/12/15	16:00:00	105.0	1748.1	193.0	1941.1	Shut-in
03/12/15	17:00:00	105.3	1746.4	193.0	1939.4	Shut-in
03/12/15	18:00:00	105.5	1744.2	193.0	1937.2	Shut-in
03/12/15	19:00:00	105.8	1745.6	193.0	1938.6	Shut-in
03/12/15	20:00:00	106.0	1744.6	193.0	1937.6	Shut-in
03/12/15	21:00:00	106.3	1744.8	193.0	1937.8	Shut-in
03/12/15	22:00:00	106.6	1745.2	193.0	1938.2	Shut-in
03/12/15	23:00:00	106.9	1745.4	193.0	1938.4	Shut-in
03/13/15	00:00:00	107.2	1745.9	193.0	1938.9	Shut-in
03/13/15	01:00:00	107.5	1746.2	193.0	1939.2	Shut-in
03/13/15	02:00:00	107.8	1745.8	193.0	1938.8	Shut-in
03/13/15	03:00:00	107.9	1745.9	193.0	1938.9	Shut-in
03/13/15	04:00:00	108.2	1746.1	193.0	1939.1	Shut-in
03/13/15	05:00:00	108.5	1746.3	193.0	1939.3	Shut-in
03/13/15	06:00:00	108.7	1746.5	193.0	1939.5	Shut-in
03/13/15	07:00:00	109.0	1747.1	193.0	1940.1	Shut-in
03/13/15	08:00:00	109.2	1749.1	193.0	1942.1	Shut-in
03/13/15	09:00:00	109.5	1749.3	193.0	1942.3	Shut-in
03/13/15	10:00:00	109.7	1751.1	193.0	1944.1	Shut-in
03/13/15	11:00:00	110.0	1751.7	193.0	1944.7	Shut-in
03/13/15	12:00:00	110.3	1752.2	193.0	1945.2	Shut-in
03/13/15	13:00:00	110.5	1750.6	193.0	1943.6	Shut-in
03/13/15	14:00:00	110.8	1751.5	193.0	1944.5	Shut-in
03/13/15	15:00:00	111.2	1750.7	193.0	1943.7	Shut-in
03/13/15	16:00:00	111.5	1748.9	193.0	1941.9	Shut-in
03/13/15	17:00:00	111.8	1747.0	193.0	1940.0	Shut-in
03/13/15	18:00:00	112.1	1748.9	193.0	1941.9	Shut-in
03/13/15	19:00:00	112.4	1746.9	193.0	1939.9	Shut-in
03/13/15	20:00:00	112.8	1747.4	193.0	1940.4	Shut-in
03/13/15	21:00:00	113.1	1747.8	193.0	1940.8	Shut-in
03/13/15	22:00:00	113.4	1748.0	193.0	1941.0	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/13/15	23:00:00	113.7	1748.1	193.0	1941.1	Shut-in
03/14/15	00:00:00	114.0	1748.3	193.0	1941.3	Shut-in
03/14/15	01:00:00	114.3	1748.5	193.0	1941.5	Shut-in
03/14/15	02:00:00	114.6	1748.7	193.0	1941.7	Shut-in
03/14/15	03:00:00	115.0	1748.8	193.0	1941.8	Shut-in
03/14/15	04:00:00	115.3	1748.9	193.0	1941.9	Shut-in
03/14/15	05:00:00	115.6	1749.1	193.0	1942.1	Shut-in
03/14/15	06:00:00	115.9	1749.2	193.0	1942.2	Shut-in
03/14/15	07:00:00	116.3	1749.7	193.0	1942.7	Shut-in
03/14/15	08:00:00	116.6	1751.2	193.0	1944.2	Shut-in
03/14/15	09:00:00	116.9	1752.8	193.0	1945.8	Shut-in
03/14/15	10:00:00	117.2	1750.3	193.0	1943.3	Shut-in
03/14/15	11:00:00	117.6	1753.2	193.0	1946.2	Shut-in
03/14/15	12:00:00	117.9	1753.6	193.0	1946.6	Shut-in
03/14/15	13:00:00	118.2	1753.9	193.0	1946.9	Shut-in
03/14/15	14:00:00	118.5	1753.6	193.0	1946.6	Shut-in
03/14/15	15:00:00	118.7	1753.4	193.0	1946.4	Shut-in
03/14/15	16:00:00	118.9	1750.3	193.0	1943.3	Shut-in
03/14/15	17:00:00	119.0	1752.4	193.0	1945.4	Shut-in
03/14/15	18:00:00	119.1	1751.1	193.0	1944.1	Shut-in
03/14/15	19:00:00	119.3	1750.2	193.0	1943.2	Shut-in
03/14/15	20:00:00	119.6	1750.7	193.0	1943.7	Shut-in
03/14/15	21:00:00	119.8	1751.1	193.0	1944.1	Shut-in
03/14/15	22:00:00	120.1	1751.3	193.0	1944.3	Shut-in
03/14/15	23:00:00	120.3	1751.3	193.0	1944.3	Shut-in
03/15/15	00:00:00	120.5	1751.7	193.0	1944.7	Shut-in
03/15/15	01:00:00	120.8	1751.6	193.0	1944.6	Shut-in
03/15/15	02:00:00	121.0	1752.3	193.0	1945.3	Shut-in
03/15/15	03:00:00	121.3	1752.5	193.0	1945.5	Shut-in
03/15/15	04:00:00	121.5	1752.7	193.0	1945.7	Shut-in
03/15/15	05:00:00	121.8	1752.5	193.0	1945.5	Shut-in
03/15/15	06:00:00	122.0	1752.3	193.0	1945.3	Shut-in
03/15/15	07:00:00	122.3	1752.6	193.0	1945.6	Shut-in
03/15/15	08:00:00	122.5	1753.3	193.0	1946.3	Shut-in
03/15/15	09:00:00	122.7	1754.8	193.0	1947.8	Shut-in
03/15/15	10:00:00	122.9	1755.7	193.0	1948.7	Shut-in
03/15/15	11:00:00	123.2	1754.5	193.0	1947.5	Shut-in
03/15/15	12:00:00	123.4	1754.9	193.0	1947.9	Shut-in
03/15/15	13:00:00	123.5	1755.6	193.0	1948.6	Shut-in
03/15/15	14:00:00	123.5	1755.0	193.0	1948.0	Shut-in
03/15/15	15:00:00	123.8	1753.8	193.0	1946.8	Shut-in
03/15/15	16:00:00	124.0	1753.4	193.0	1946.4	Shut-in
03/15/15	17:00:00	124.2	1755.2	193.0	1948.2	Shut-in
03/15/15	18:00:00	124.5	1754.6	193.0	1947.6	Shut-in
03/15/15	19:00:00	124.7	1753.8	193.0	1946.8	Shut-in
03/15/15	20:00:00	125.0	1753.6	193.0	1946.6	Shut-in
03/15/15	21:00:00	125.2	1753.8	193.0	1946.8	Shut-in
03/15/15	22:00:00	125.5	1754.6	193.0	1947.6	Shut-in
03/15/15	23:00:00	125.7	1754.8	193.0	1947.8	Shut-in
03/16/15	00:00:00	126.0	1755.1	193.0	1948.1	Shut-in
03/16/15	01:00:00	126.3	1755.1	193.0	1948.1	Shut-in
03/16/15	02:00:00	126.4	1755.4	193.0	1948.4	Shut-in
03/16/15	03:00:00	126.7	1754.5	193.0	1947.5	Shut-in
03/16/15	04:00:00	126.9	1756.0	193.0	1949.0	Shut-in
03/16/15	05:00:00	127.2	1754.9	193.0	1947.9	Shut-in
03/16/15	06:00:00	127.4	1754.6	193.0	1947.6	Shut-in
03/16/15	07:00:00	127.7	1755.1	193.0	1948.1	Shut-in
03/16/15	08:00:00	127.9	1755.2	193.0	1948.2	Shut-in
03/16/15	09:00:00	128.2	1756.5	193.0	1949.5	Shut-in
03/16/15	10:00:00	128.4	1756.5	193.0	1949.5	Shut-in
03/16/15	11:00:00	128.7	1756.7	193.0	1949.7	Shut-in
03/16/15	12:00:00	129.0	1757.1	193.0	1950.1	Shut-in
03/16/15	13:00:00	129.2	1757.4	193.0	1950.4	Shut-in
03/16/15	14:00:00	129.4	1756.5	193.0	1949.5	Shut-in
03/16/15	15:00:00	129.8	1756.7	193.0	1949.7	Shut-in
03/16/15	16:00:00	130.0	1757.1	193.0	1950.1	Shut-in
03/16/15	17:00:00	130.3	1756.8	193.0	1949.8	Shut-in
03/16/15	18:00:00	130.7	1755.9	193.0	1948.9	Shut-in
03/16/15	19:00:00	131.0	(3)	193.0	(3)	Shut-in
03/16/15	20:00:00	131.4	(3)	193.0	(3)	Shut-in
03/16/15	21:00:00	131.7	1756.0	193.0	1949.0	Shut-in
03/16/15	22:00:00	132.0	1756.2	193.0	1949.2	Shut-in
03/16/15	23:00:00	132.4	1756.4	193.0	1949.4	Shut-in
03/17/15	00:00:00	132.7	1756.6	193.0	1949.6	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/17/15	01:00:00	133.1	1757.0	193.0	1950.0	Shut-in
03/17/15	02:00:00	133.4	1756.7	193.0	1949.7	Shut-in
03/17/15	03:00:00	133.7	1757.0	193.0	1950.0	Shut-in
03/17/15	04:00:00	134.1	1757.0	193.0	1950.0	Shut-in
03/17/15	05:00:00	134.4	1757.7	193.0	1950.7	Shut-in
03/17/15	06:00:00	134.7	1757.0	193.0	1950.0	Shut-in
03/17/15	07:00:00	135.1	1756.8	193.0	1949.8	Shut-in
03/17/15	08:00:00	135.4	1756.9	193.0	1949.9	Shut-in
03/17/15	09:00:00	135.8	1758.0	193.0	1951.0	Shut-in
03/17/15	10:00:00	136.1	1759.5	193.0	1952.5	Shut-in
03/17/15	11:00:00	136.4	1759.5	193.0	1952.5	Shut-in
03/17/15	12:00:00	136.8	1759.7	193.0	1952.7	Shut-in
03/17/15	13:00:00	137.1	1759.5	193.0	1952.5	Shut-in
03/17/15	14:00:00	137.4	1760.4	193.0	1953.4	Shut-in
03/17/15	15:00:00	137.8	1760.2	193.0	1953.2	Shut-in
03/17/15	16:00:00	138.1	1759.6	193.0	1952.6	Shut-in
03/17/15	17:00:00	138.4	1760.7	193.0	1953.7	Shut-in
03/17/15	18:00:00	138.8	1759.7	193.0	1952.7	Shut-in
03/17/15	19:00:00	139.1	1758.3	193.0	1951.3	Shut-in
03/17/15	20:00:00	139.4	1757.9	193.0	1950.9	Shut-in
03/17/15	21:00:00	139.8	1758.8	193.0	1951.8	Shut-in
03/17/15	22:00:00	140.1	1759.1	193.0	1952.1	Shut-in
03/17/15	23:00:00	140.5	1759.3	193.0	1952.3	Shut-in
03/18/15	00:00:00	140.8	1759.6	193.0	1952.6	Shut-in
03/18/15	01:00:00	141.1	1760.3	193.0	1953.3	Shut-in
03/18/15	02:00:00	141.5	1759.8	193.0	1952.8	Shut-in
03/18/15	03:00:00	141.8	1760.2	193.0	1953.2	Shut-in
03/18/15	04:00:00	142.1	1760.3	193.0	1953.3	Shut-in
03/18/15	05:00:00	142.5	1760.1	193.0	1953.1	Shut-in
03/18/15	06:00:00	142.8	1760.3	193.0	1953.3	Shut-in
03/18/15	07:00:00	143.1	1760.5	193.0	1953.5	Shut-in
03/18/15	08:00:00	143.3	1760.7	193.0	1953.7	Shut-in
03/18/15	09:00:00	143.5	1761.8	193.0	1954.8	Shut-in
03/18/15	10:00:00	143.7	1763.4	193.0	1956.4	Shut-in
03/18/15	11:00:00	144.0	1764.1	193.0	1957.1	Shut-in
03/18/15	12:00:00	144.2	1763.8	193.0	1956.8	Shut-in
03/18/15	13:00:00	144.5	1763.9	193.0	1956.9	Shut-in
03/18/15	14:00:00	144.7	1763.5	193.0	1956.5	Shut-in
03/18/15	15:00:00	145.0	1764.0	193.0	1957.0	Shut-in
03/18/15	16:00:00	145.3	1762.3	193.0	1955.3	Shut-in
03/18/15	17:00:00	145.5	1765.0	193.0	1958.0	Shut-in
03/18/15	18:00:00	145.8	1763.6	193.0	1956.6	Shut-in
03/18/15	19:00:00	146.0	1761.7	193.0	1954.7	Shut-in
03/18/15	20:00:00	146.3	1761.5	193.0	1954.5	Shut-in
03/18/15	21:00:00	146.5	1761.8	193.0	1954.8	Shut-in
03/18/15	22:00:00	146.8	1762.5	193.0	1955.5	Shut-in
03/18/15	23:00:00	147.1	1762.8	193.0	1955.8	Shut-in
03/19/15	00:00:00	147.3	1763.2	193.0	1956.2	Shut-in
03/19/15	01:00:00	147.6	1764.1	193.0	1957.1	Shut-in
03/19/15	02:00:00	147.9	1763.5	193.0	1956.5	Shut-in
03/19/15	03:00:00	148.1	1763.1	193.0	1956.1	Shut-in
03/19/15	04:00:00	148.4	1763.3	193.0	1956.3	Shut-in
03/19/15	05:00:00	148.7	1764.1	193.0	1957.1	Shut-in
03/19/15	06:00:00	148.9	1764.1	193.0	1957.1	Shut-in
03/19/15	07:00:00	149.2	1763.4	193.0	1956.4	Shut-in
03/19/15	08:00:00	149.4	1763.1	193.0	1956.1	Shut-in
03/19/15	09:00:00	149.5	1764.6	193.0	1957.6	Shut-in
03/19/15	10:00:00	149.7	1797.2	193.0	1990.2	Shut-in
03/19/15	11:00:00	149.9	1767.5	193.0	1960.5	Shut-in
03/19/15	12:00:00	150.1	1767.9	193.0	1960.9	Shut-in
03/19/15	13:00:00	150.4	1767.5	193.0	1960.5	Shut-in
03/19/15	14:00:00	150.6	1767.2	193.0	1960.2	Shut-in
03/19/15	15:00:00	150.9	1767.4	193.0	1960.4	Shut-in
03/19/15	16:00:00	151.1	1764.9	193.0	1957.9	Shut-in
03/19/15	17:00:00	151.3	1765.7	193.0	1958.7	Shut-in
03/19/15	18:00:00	151.5	1765.2	193.0	1958.2	Shut-in
03/19/15	19:00:00	151.8	1764.2	193.0	1957.2	Shut-in
03/19/15	20:00:00	152.0	1763.6	193.0	1956.6	Shut-in
03/19/15	21:00:00	152.3	1763.9	193.0	1956.9	Shut-in
03/19/15	22:00:00	152.6	1764.4	193.0	1957.4	Shut-in
03/19/15	23:00:00	152.8	1764.6	193.0	1957.6	Shut-in
03/20/15	00:00:00	153.1	1764.7	193.0	1957.7	Shut-in
03/20/15	01:00:00	153.3	1764.9	193.0	1957.9	Shut-in
03/20/15	02:00:00	153.5	1765.3	193.0	1958.3	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/20/15	03:00:00	153.8	1765.2	193.0	1958.2	Shut-in
03/20/15	04:00:00	154.0	1765.3	193.0	1958.3	Shut-in
03/20/15	05:00:00	154.3	1765.5	193.0	1958.5	Shut-in
03/20/15	06:00:00	154.6	1765.6	193.0	1958.6	Shut-in
03/20/15	07:00:00	154.8	1765.6	193.0	1958.6	Shut-in
03/20/15	08:00:00	155.1	1765.3	193.0	1958.3	Shut-in
03/20/15	09:00:00	155.4	1774.2	193.0	1967.2	Shut-in
03/20/15	10:00:00	155.6	1811.3	193.0	2004.3	Shut-in
03/20/15	11:00:00	155.9	1769.3	193.0	1962.3	Shut-in
03/20/15	12:00:00	156.1	1769.6	193.0	1962.6	Shut-in
03/20/15	13:00:00	156.3	1769.6	193.0	1962.6	Shut-in
03/20/15	14:00:00	156.6	1768.9	193.0	1961.9	Shut-in
03/20/15	15:00:00	156.8	1766.7	193.0	1959.7	Shut-in
03/20/15	16:00:00	157.1	1767.7	193.0	1960.7	Shut-in
03/20/15	17:00:00	157.4	1767.3	193.0	1960.3	Shut-in
03/20/15	18:00:00	157.6	1766.7	193.0	1959.7	Shut-in
03/20/15	19:00:00	157.9	1766.9	193.0	1959.9	Shut-in
03/20/15	20:00:00	158.2	1766.6	193.0	1959.6	Shut-in
03/20/15	21:00:00	158.4	1767.0	193.0	1960.0	Shut-in
03/20/15	22:00:00	158.7	1767.3	193.0	1960.3	Shut-in
03/20/15	23:00:00	159.0	1767.1	193.0	1960.1	Shut-in
03/21/15	00:00:00	159.2	1768.0	193.0	1961.0	Shut-in
03/21/15	01:00:00	159.5	1768.7	193.0	1961.7	Shut-in
03/21/15	02:00:00	159.8	1768.0	193.0	1961.0	Shut-in
03/21/15	03:00:00	160.0	1768.9	193.0	1961.9	Shut-in
03/21/15	04:00:00	160.3	1769.6	193.0	1962.6	Shut-in
03/21/15	05:00:00	160.6	1768.7	193.0	1961.7	Shut-in
03/21/15	06:00:00	160.8	1767.9	193.0	1960.9	Shut-in
03/21/15	07:00:00	161.1	1767.9	193.0	1960.9	Shut-in
03/21/15	08:00:00	161.4	1769.2	193.0	1962.2	Shut-in
03/21/15	09:00:00	161.6	1769.9	193.0	1962.9	Shut-in
03/21/15	10:00:00	161.9	1770.9	193.0	1963.9	Shut-in
03/21/15	11:00:00	162.1	1771.6	193.0	1964.6	Shut-in
03/21/15	12:00:00	162.4	1771.6	193.0	1964.6	Shut-in
03/21/15	13:00:00	162.7	1771.9	193.0	1964.9	Shut-in
03/21/15	14:00:00	162.9	1771.4	193.0	1964.4	Shut-in
03/21/15	15:00:00	163.2	1771.1	193.0	1964.1	Shut-in
03/21/15	16:00:00	163.5	1770.6	193.0	1963.6	Shut-in
03/21/15	17:00:00	163.7	1770.2	193.0	1963.2	Shut-in
03/21/15	18:00:00	164.0	1770.1	193.0	1963.1	Shut-in
03/21/15	19:00:00	164.2	1769.1	193.0	1962.1	Shut-in
03/21/15	20:00:00	164.5	1768.5	193.0	1961.5	Shut-in
03/21/15	21:00:00	164.8	1768.7	193.0	1961.7	Shut-in
03/21/15	22:00:00	165.0	1768.9	193.0	1961.9	Shut-in
03/21/15	23:00:00	165.3	1769.2	193.0	1962.2	Shut-in
03/22/15	00:00:00	165.6	1769.5	193.0	1962.5	Shut-in
03/22/15	01:00:00	165.8	1770.2	193.0	1963.2	Shut-in
03/22/15	02:00:00	166.1	1770.5	193.0	1963.5	Shut-in
03/22/15	03:00:00	166.4	1769.9	193.0	1962.9	Shut-in
03/22/15	04:00:00	166.6	1770.4	193.0	1963.4	Shut-in
03/22/15	05:00:00	166.9	1771.5	193.0	1964.5	Shut-in
03/22/15	06:00:00	167.2	1770.2	193.0	1963.2	Shut-in
03/22/15	07:00:00	167.4	1770.3	193.0	1963.3	Shut-in
03/22/15	08:00:00	167.7	1770.5	193.0	1963.5	Shut-in
03/22/15	09:00:00	168.0	1771.2	193.0	1964.2	Shut-in
03/22/15	10:00:00	168.3	1773.4	193.0	1966.4	Shut-in
03/22/15	11:00:00	168.5	1774.0	193.0	1967.0	Shut-in
03/22/15	12:00:00	168.8	1772.4	193.0	1965.4	Shut-in
03/22/15	13:00:00	169.1	1771.4	193.0	1964.4	Shut-in
03/22/15	14:00:00	169.3	1773.2	193.0	1966.2	Shut-in
03/22/15	15:00:00	169.6	1772.4	193.0	1965.4	Shut-in
03/22/15	16:00:00	169.8	1774.1	193.0	1967.1	Shut-in
03/22/15	17:00:00	170.1	1772.1	193.0	1965.1	Shut-in
03/22/15	18:00:00	170.4	1773.1	193.0	1966.1	Shut-in
03/22/15	19:00:00	170.6	1772.2	193.0	1965.2	Shut-in
03/22/15	20:00:00	170.9	1771.4	193.0	1964.4	Shut-in
03/22/15	21:00:00	171.2	1771.3	193.0	1964.3	Shut-in
03/22/15	22:00:00	171.4	1771.5	193.0	1964.5	Shut-in
03/22/15	23:00:00	171.7	1772.0	193.0	1965.0	Shut-in
03/23/15	00:00:00	172.0	1772.1	193.0	1965.1	Shut-in
03/23/15	01:00:00	172.2	1773.0	193.0	1966.0	Shut-in
03/23/15	02:00:00	172.5	1772.2	193.0	1965.2	Shut-in
03/23/15	03:00:00	172.8	1772.3	193.0	1965.3	Shut-in
03/23/15	04:00:00	173.0	1773.1	193.0	1966.1	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/23/15	05:00:00	173.3	1772.6	193.0	1965.6	Shut-in
03/23/15	06:00:00	173.6	1772.8	193.0	1965.8	Shut-in
03/23/15	07:00:00	173.8	1772.8	193.0	1965.8	Shut-in
03/23/15	08:00:00	174.1	1773.2	193.0	1966.2	Shut-in
03/23/15	09:00:00	174.3	1774.8	193.0	1967.8	Shut-in
03/23/15	10:00:00	174.6	1775.3	193.0	1968.3	Shut-in
03/23/15	11:00:00	174.9	1775.5	193.0	1968.5	Shut-in
03/23/15	12:00:00	175.2	1775.5	193.0	1968.5	Shut-in
03/23/15	13:00:00	175.4	1776.8	193.0	1969.8	Shut-in
03/23/15	14:00:00	175.7	1774.6	193.0	1967.6	Shut-in
03/23/15	15:00:00	176.0	1776.7	193.0	1969.7	Shut-in
03/23/15	16:00:00	176.2	1774.9	193.0	1967.9	Shut-in
03/23/15	17:00:00	176.5	1776.2	193.0	1969.2	Shut-in
03/23/15	18:00:00	176.8	1774.0	193.0	1967.0	Shut-in
03/23/15	19:00:00	177.0	1773.7	193.0	1966.7	Shut-in
03/23/15	20:00:00	177.3	1774.0	193.0	1967.0	Shut-in
03/23/15	21:00:00	177.6	1774.1	193.0	1967.1	Shut-in
03/23/15	22:00:00	177.9	1774.3	193.0	1967.3	Shut-in
03/23/15	23:00:00	178.1	1774.4	193.0	1967.4	Shut-in
03/24/15	00:00:00	178.4	1774.6	193.0	1967.6	Shut-in
03/24/15	01:00:00	178.7	1774.8	193.0	1967.8	Shut-in
03/24/15	02:00:00	178.9	1775.0	193.0	1968.0	Shut-in
03/24/15	03:00:00	179.2	1774.9	193.0	1967.9	Shut-in
03/24/15	04:00:00	179.5	1775.2	193.0	1968.2	Shut-in
03/24/15	05:00:00	179.7	1776.0	193.0	1969.0	Shut-in
03/24/15	06:00:00	180.0	1777.2	193.0	1970.2	Shut-in
03/24/15	07:00:00	180.3	1777.1	193.0	1970.1	Shut-in
03/24/15	08:00:00	180.5	1776.1	193.0	1969.1	Shut-in
03/24/15	09:00:00	180.8	1777.7	193.0	1970.7	Shut-in
03/24/15	10:00:00	181.1	1777.9	193.0	1970.9	Shut-in
03/24/15	11:00:00	181.3	1777.8	193.0	1970.8	Shut-in
03/24/15	12:00:00	181.6	1777.7	193.0	1970.7	Shut-in
03/24/15	13:00:00	181.9	1778.3	193.0	1971.3	Shut-in
03/24/15	14:00:00	182.1	1777.6	193.0	1970.6	Shut-in
03/24/15	15:00:00	182.4	1778.9	193.0	1971.9	Shut-in
03/24/15	16:00:00	182.7	1778.6	193.0	1971.6	Shut-in
03/24/15	17:00:00	182.9	1777.1	193.0	1970.1	Shut-in
03/24/15	18:00:00	183.2	1778.3	193.0	1971.3	Shut-in
03/24/15	19:00:00	183.5	1776.2	193.0	1969.2	Shut-in
03/24/15	20:00:00	183.7	1776.3	193.0	1969.3	Shut-in
03/24/15	21:00:00	183.9	1776.6	193.0	1969.6	Shut-in
03/24/15	22:00:00	184.2	1776.8	193.0	1969.8	Shut-in
03/24/15	23:00:00	184.5	1777.0	193.0	1970.0	Shut-in
03/25/15	00:00:00	184.7	1777.5	193.0	1970.5	Shut-in
03/25/15	01:00:00	185.0	1777.3	193.0	1970.3	Shut-in
03/25/15	02:00:00	185.3	1777.7	193.0	1970.7	Shut-in
03/25/15	03:00:00	185.5	1777.8	193.0	1970.8	Shut-in
03/25/15	04:00:00	185.8	1778.1	193.0	1971.1	Shut-in
03/25/15	05:00:00	186.1	1779.3	193.0	1972.3	Shut-in
03/25/15	06:00:00	186.3	1778.5	193.0	1971.5	Shut-in
03/25/15	07:00:00	186.6	1777.9	193.0	1970.9	Shut-in
03/25/15	08:00:00	186.8	1778.1	193.0	1971.1	Shut-in
03/25/15	09:00:00	187.1	1779.9	193.0	1972.9	Shut-in
03/25/15	10:00:00	187.3	1780.7	193.0	1973.7	Shut-in
03/25/15	11:00:00	187.3	1782.0	193.0	1975.0	Shut-in
03/25/15	12:00:00	187.3	1782.6	193.0	1975.6	Shut-in
03/25/15	13:00:00	187.3	1780.9	193.0	1973.9	Shut-in
03/25/15	14:00:00	187.3	1782.8	193.0	1975.8	Shut-in
03/25/15	15:00:00	187.3	1780.8	193.0	1973.8	Shut-in
03/25/15	16:00:00	187.3	1782.3	193.0	1975.3	Shut-in
03/25/15	17:00:00	187.4	1781.1	193.0	1974.1	Shut-in
03/25/15	18:00:00	187.5	1780.4	193.0	1973.4	Shut-in
03/25/15	19:00:00	187.5	1783.7	193.0	1976.7	Shut-in
03/25/15	20:00:00	187.6	1778.8	193.0	1971.8	Shut-in
03/25/15	21:00:00	187.8	1778.6	193.0	1971.6	Shut-in
03/25/15	22:00:00	188.2	1778.9	193.0	1971.9	Shut-in
03/25/15	23:00:00	188.6	1779.0	193.0	1972.0	Shut-in
03/26/15	00:00:00	189.0	1779.1	193.0	1972.1	Shut-in
03/26/15	01:00:00	189.4	1779.2	193.0	1972.2	Shut-in
03/26/15	02:00:00	189.8	1779.3	193.0	1972.3	Shut-in
03/26/15	03:00:00	190.2	1779.3	193.0	1972.3	Shut-in
03/26/15	04:00:00	190.6	1779.5	193.0	1972.5	Shut-in
03/26/15	05:00:00	191.0	1779.4	193.0	1972.4	Shut-in
03/26/15	06:00:00	191.4	1779.5	193.0	1972.5	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/26/15	07:00:00	191.8	1777.9	193.0	1970.9	Shut-in
03/26/15	08:00:00	192.2	1775.1	193.0	1968.1	Shut-in
03/26/15	09:00:00	192.7	1783.2	193.0	1976.2	Shut-in
03/26/15	10:00:00	193.0	1789.2	193.0	1982.2	Shut-in
03/26/15	11:00:00	193.3	1783.6	193.0	1976.6	Shut-in
03/26/15	12:00:00	193.7	1783.7	193.0	1976.7	Shut-in
03/26/15	13:00:00	194.1	1783.4	193.0	1976.4	Shut-in
03/26/15	14:00:00	194.4	1783.5	193.0	1976.5	Shut-in
03/26/15	15:00:00	194.8	1783.4	193.0	1976.4	Shut-in
03/26/15	16:00:00	195.2	1782.6	193.0	1975.6	Shut-in
03/26/15	17:00:00	195.6	1783.9	193.0	1976.9	Shut-in
03/26/15	18:00:00	196.0	1783.8	193.0	1976.8	Shut-in
03/26/15	19:00:00	196.4	1780.5	193.0	1973.5	Shut-in
03/26/15	20:00:00	196.8	1780.7	193.0	1973.7	Shut-in
03/26/15	21:00:00	197.2	1781.7	193.0	1974.7	Shut-in
03/26/15	22:00:00	197.6	1782.0	193.0	1975.0	Shut-in
03/26/15	23:00:00	198.0	1782.4	193.0	1975.4	Shut-in
03/27/15	00:00:00	198.4	1782.7	193.0	1975.7	Shut-in
03/27/15	01:00:00	198.8	1782.8	193.0	1975.8	Shut-in
03/27/15	02:00:00	199.2	1783.0	193.0	1976.0	Shut-in
03/27/15	03:00:00	199.6	1783.1	193.0	1976.1	Shut-in
03/27/15	04:00:00	200.0	1783.3	193.0	1976.3	Shut-in
03/27/15	05:00:00	200.4	1783.5	193.0	1976.5	Shut-in
03/27/15	06:00:00	200.9	1783.7	193.0	1976.7	Shut-in
03/27/15	07:00:00	201.3	1783.9	193.0	1976.9	Shut-in
03/27/15	08:00:00	201.7	1784.0	193.0	1977.0	Shut-in
03/27/15	09:00:00	202.1	1784.9	193.0	1977.9	Shut-in
03/27/15	10:00:00	202.5	1785.8	193.0	1978.8	Shut-in
03/27/15	11:00:00	202.9	1786.5	193.0	1979.5	Shut-in
03/27/15	12:00:00	203.3	1787.2	193.0	1980.2	Shut-in
03/27/15	13:00:00	203.8	1787.2	193.0	1980.2	Shut-in
03/27/15	14:00:00	204.1	1786.1	193.0	1979.1	Shut-in
03/27/15	15:00:00	204.5	1786.5	193.0	1979.5	Shut-in
03/27/15	16:00:00	204.9	1787.5	193.0	1980.5	Shut-in
03/27/15	17:00:00	205.3	1786.0	193.0	1979.0	Shut-in
03/27/15	18:00:00	205.7	1784.6	193.0	1977.6	Shut-in
03/27/15	19:00:00	206.2	1784.7	193.0	1977.7	Shut-in
03/27/15	20:00:00	206.6	1784.9	193.0	1977.9	Shut-in
03/27/15	21:00:00	207.0	1785.3	193.0	1978.3	Shut-in
03/27/15	22:00:00	207.4	1785.8	193.0	1978.8	Shut-in
03/27/15	23:00:00	207.8	1786.0	193.0	1979.0	Shut-in
03/28/15	00:00:00	208.2	1785.8	193.0	1978.8	Shut-in
03/28/15	01:00:00	208.6	1786.6	193.0	1979.6	Shut-in
03/28/15	02:00:00	209.1	1787.0	193.0	1980.0	Shut-in
03/28/15	03:00:00	209.5	1788.0	193.0	1981.0	Shut-in
03/28/15	04:00:00	209.9	1787.8	193.0	1980.8	Shut-in
03/28/15	05:00:00	210.3	1787.1	193.0	1980.1	Shut-in
03/28/15	06:00:00	210.7	1787.8	193.0	1980.8	Shut-in
03/28/15	07:00:00	211.2	1787.9	193.0	1980.9	Shut-in
03/28/15	08:00:00	211.6	1787.3	193.0	1980.3	Shut-in
03/28/15	09:00:00	212.0	1789.2	193.0	1982.2	Shut-in
03/28/15	10:00:00	212.4	1789.3	193.0	1982.3	Shut-in
03/28/15	11:00:00	212.8	1790.2	193.0	1983.2	Shut-in
03/28/15	12:00:00	213.2	1790.4	193.0	1983.4	Shut-in
03/28/15	13:00:00	213.7	1791.1	193.0	1984.1	Shut-in
03/28/15	14:00:00	214.1	1791.9	193.0	1984.9	Shut-in
03/28/15	15:00:00	214.5	1790.6	193.0	1983.6	Shut-in
03/28/15	16:00:00	214.9	1792.3	193.0	1985.3	Shut-in
03/28/15	17:00:00	215.3	1792.6	193.0	1985.6	Shut-in
03/28/15	18:00:00	215.7	1791.4	193.0	1984.4	Shut-in
03/28/15	19:00:00	216.1	1788.8	193.0	1981.8	Shut-in
03/28/15	20:00:00	216.5	1789.6	193.0	1982.6	Shut-in
03/28/15	21:00:00	216.9	1789.6	193.0	1982.6	Shut-in
03/28/15	22:00:00	217.0	1790.0	193.0	1983.0	Shut-in
03/28/15	23:00:00	217.3	1790.2	193.0	1983.2	Shut-in
03/29/15	00:00:00	217.6	1790.4	193.0	1983.4	Shut-in
03/29/15	01:00:00	217.9	1790.8	193.0	1983.8	Shut-in
03/29/15	02:00:00	218.3	1791.9	193.0	1984.9	Shut-in
03/29/15	03:00:00	218.6	1791.6	193.0	1984.6	Shut-in
03/29/15	04:00:00	219.0	1791.1	193.0	1984.1	Shut-in
03/29/15	05:00:00	219.3	1791.6	193.0	1984.6	Shut-in
03/29/15	06:00:00	219.6	1792.7	193.0	1985.7	Shut-in
03/29/15	07:00:00	220.0	1792.0	193.0	1985.0	Shut-in
03/29/15	08:00:00	220.3	1792.1	193.0	1985.1	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/29/15	09:00:00	220.7	1793.7	193.0	1986.7	Shut-in
03/29/15	10:00:00	221.0	1794.3	193.0	1987.3	Shut-in
03/29/15	11:00:00	221.3	1794.8	193.0	1987.8	Shut-in
03/29/15	12:00:00	221.7	1795.4	193.0	1988.4	Shut-in
03/29/15	13:00:00	222.0	1795.8	193.0	1988.8	Shut-in
03/29/15	14:00:00	222.3	1796.2	193.0	1989.2	Shut-in
03/29/15	15:00:00	222.7	1796.3	193.0	1989.3	Shut-in
03/29/15	16:00:00	223.0	1795.5	193.0	1988.5	Shut-in
03/29/15	17:00:00	223.3	1796.9	193.0	1989.9	Shut-in
03/29/15	18:00:00	223.7	1795.1	193.0	1988.1	Shut-in
03/29/15	19:00:00	224.0	1793.2	193.0	1986.2	Shut-in
03/29/15	20:00:00	224.3	1793.0	193.0	1986.0	Shut-in
03/29/15	21:00:00	224.7	1793.5	193.0	1986.5	Shut-in
03/29/15	22:00:00	225.0	1793.6	193.0	1986.6	Shut-in
03/29/15	23:00:00	225.4	1793.8	193.0	1986.8	Shut-in
03/30/15	00:00:00	225.7	1794.0	193.0	1987.0	Shut-in
03/30/15	01:00:00	226.1	1794.1	193.0	1987.1	Shut-in
03/30/15	02:00:00	226.4	1794.3	193.0	1987.3	Shut-in
03/30/15	03:00:00	226.7	1794.8	193.0	1987.8	Shut-in
03/30/15	04:00:00	227.1	1795.0	193.0	1988.0	Shut-in
03/30/15	05:00:00	227.4	1795.0	193.0	1988.0	Shut-in
03/30/15	06:00:00	227.8	1795.7	193.0	1988.7	Shut-in
03/30/15	07:00:00	228.1	1795.7	193.0	1988.7	Shut-in
03/30/15	08:00:00	228.5	1795.9	193.0	1988.9	Shut-in
03/30/15	09:00:00	228.8	1797.0	193.0	1990.0	Shut-in
03/30/15	10:00:00	229.1	1797.6	193.0	1990.6	Shut-in
03/30/15	11:00:00	229.5	1798.2	193.0	1991.2	Shut-in
03/30/15	12:00:00	229.9	1798.1	193.0	1991.1	Shut-in
03/30/15	13:00:00	230.3	1799.3	193.0	1992.3	Shut-in
03/30/15	14:00:00	230.7	1799.0	193.0	1992.0	Shut-in
03/30/15	15:00:00	231.1	1798.5	193.0	1991.5	Shut-in
03/30/15	16:00:00	231.5	1798.2	193.0	1991.2	Shut-in
03/30/15	17:00:00	232.0	1797.5	193.0	1990.5	Shut-in
03/30/15	18:00:00	232.4	1796.3	193.0	1989.3	Shut-in
03/30/15	19:00:00	232.8	1796.7	193.0	1989.7	Shut-in
03/30/15	20:00:00	233.2	1796.7	193.0	1989.7	Shut-in
03/30/15	21:00:00	233.6	1796.8	193.0	1989.8	Shut-in
03/30/15	22:00:00	234.0	1797.0	193.0	1990.0	Shut-in
03/30/15	23:00:00	234.3	1797.2	193.0	1990.2	Shut-in
03/31/15	00:00:00	234.7	1798.6	193.0	1991.6	Shut-in
03/31/15	01:00:00	235.0	1798.0	193.0	1991.0	Shut-in
03/31/15	02:00:00	235.4	1799.0	193.0	1992.0	Shut-in
03/31/15	03:00:00	235.8	1799.1	193.0	1992.1	Shut-in
03/31/15	04:00:00	236.1	1798.5	193.0	1991.5	Shut-in
03/31/15	05:00:00	236.5	1798.5	193.0	1991.5	Shut-in
03/31/15	06:00:00	236.8	1798.5	193.0	1991.5	Shut-in
03/31/15	07:00:00	237.2	1798.9	193.0	1991.9	Shut-in
03/31/15	08:00:00	237.5	1799.2	193.0	1992.2	Shut-in
03/31/15	09:00:00	237.9	1800.8	193.0	1993.8	Shut-in
03/31/15	10:00:00	238.2	1801.2	193.0	1994.2	Shut-in
03/31/15	11:00:00	238.6	1801.5	193.0	1994.5	Shut-in
03/31/15	12:00:00	238.9	1801.6	193.0	1994.6	Shut-in
03/31/15	13:00:00	239.3	1802.0	193.0	1995.0	Shut-in
03/31/15	14:00:00	239.6	1801.8	193.0	1994.8	Shut-in
03/31/15	15:00:00	240.0	1801.8	193.0	1994.8	Shut-in
03/31/15	16:00:00	240.3	1802.0	193.0	1995.0	Shut-in
03/31/15	17:00:00	240.7	1802.0	193.0	1995.0	Shut-in
03/31/15	18:00:00	241.0	1800.9	193.0	1993.9	Shut-in
03/31/15	19:00:00	241.4	1800.7	193.0	1993.7	Shut-in
03/31/15	20:00:00	241.7	1800.4	193.0	1993.4	Shut-in
03/31/15	21:00:00	242.1	1800.5	193.0	1993.5	Shut-in
03/31/15	22:00:00	242.4	1800.7	193.0	1993.7	Shut-in
03/31/15	23:00:00	242.8	1800.8	193.0	1993.8	Shut-in
04/01/15	00:00:00	243.2	1801.4	193.0	1994.4	Shut-in
04/01/15	01:00:00	243.5	1802.3	193.0	1995.3	Shut-in
04/01/15	02:00:00	243.9	1802.0	193.0	1995.0	Shut-in
04/01/15	03:00:00	244.2	1802.3	193.0	1995.3	Shut-in
04/01/15	04:00:00	244.6	1801.7	193.0	1994.7	Shut-in
04/01/15	05:00:00	245.0	1802.0	193.0	1995.0	Shut-in
04/01/15	06:00:00	245.3	1802.9	193.0	1995.9	Shut-in
04/01/15	07:00:00	245.7	1802.8	193.0	1995.8	Shut-in
04/01/15	08:00:00	245.7	1804.5	193.0	1997.5	Shut-in
04/01/15	09:00:00	245.7	1823.1	193.0	2016.1	Shut-in
04/01/15	10:00:00	245.7	1847.2	193.0	2040.2	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/01/15	11:00:00	245.7	1804.5	193.0	1997.5	Shut-in
04/01/15	12:00:00	245.7	1805.2	193.0	1998.2	Shut-in
04/01/15	13:00:00	245.7	1804.7	193.0	1997.7	Shut-in
04/01/15	14:00:00	245.7	1805.3	193.0	1998.3	Shut-in
04/01/15	15:00:00	245.7	1805.1	193.0	1998.1	Shut-in
04/01/15	16:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/01/15	17:00:00	245.7	1804.2	193.0	1997.2	Shut-in
04/01/15	18:00:00	245.7	1805.6	193.0	1998.6	Shut-in
04/01/15	19:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/01/15	20:00:00	245.7	1803.5	193.0	1996.5	Shut-in
04/01/15	21:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/01/15	22:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/01/15	23:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/02/15	00:00:00	245.7	1804.7	193.0	1997.7	Shut-in
04/02/15	01:00:00	245.7	1803.9	193.0	1996.9	Shut-in
04/02/15	02:00:00	245.7	1804.2	193.0	1997.2	Shut-in
04/02/15	03:00:00	245.7	1804.0	193.0	1997.0	Shut-in
04/02/15	04:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	05:00:00	245.7	1804.5	193.0	1997.5	Shut-in
04/02/15	06:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/02/15	07:00:00	245.7	1804.9	193.0	1997.9	Shut-in
04/02/15	08:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/02/15	09:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	10:00:00	245.7	1805.7	193.0	1998.7	Shut-in
04/02/15	11:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	12:00:00	245.7	1806.0	193.0	1999.0	Shut-in
04/02/15	13:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	14:00:00	245.7	1805.5	193.0	1998.5	Shut-in
04/02/15	15:00:00	245.7	1805.1	193.0	1998.1	Shut-in
04/02/15	16:00:00	245.7	1805.3	193.0	1998.3	Shut-in
04/02/15	17:00:00	245.7	1805.3	193.0	1998.3	Shut-in
04/02/15	18:00:00	245.7	1805.1	193.0	1998.1	Shut-in
04/02/15	19:00:00	245.7	1803.0	193.0	1996.0	Shut-in
04/02/15	20:00:00	245.7	1802.9	193.0	1995.9	Shut-in
04/02/15	21:00:00	245.7	1803.2	193.0	1996.2	Shut-in
04/02/15	22:00:00	245.7	1803.2	193.0	1996.2	Shut-in
04/02/15	23:00:00	245.7	1803.1	193.0	1996.1	Shut-in
04/03/15	00:00:00	245.7	1803.4	193.0	1996.4	Shut-in
04/03/15	01:00:00	245.7	1802.8	193.0	1995.8	Shut-in
04/03/15	02:00:00	245.7	1802.8	193.0	1995.8	Shut-in
04/03/15	03:00:00	245.7	1803.4	193.0	1996.4	Shut-in
04/03/15	04:00:00	245.7	1803.1	193.0	1996.1	Shut-in
04/03/15	05:00:00	245.7	1802.6	193.0	1995.6	Shut-in
04/03/15	06:00:00	245.7	1803.4	193.0	1996.4	Shut-in
04/03/15	07:00:00	245.7	1802.9	193.0	1995.9	Shut-in
04/03/15	08:00:00	245.7	1802.7	193.0	1995.7	Shut-in
04/03/15	09:00:00	245.7	1804.0	193.0	1997.0	Shut-in
04/03/15	10:00:00	245.6	1804.1	193.0	1997.1	Shut-in
04/03/15	11:00:00	246.0	1804.4	193.0	1997.4	Shut-in
04/03/15	12:00:00	246.4	1804.8	193.0	1997.8	Shut-in
04/03/15	13:00:00	246.8	1804.3	193.0	1997.3	Shut-in
04/03/15	14:00:00	247.2	1804.5	193.0	1997.5	Shut-in
04/03/15	15:00:00	247.6	1804.5	193.0	1997.5	Shut-in
04/03/15	16:00:00	248.0	1804.0	193.0	1997.0	Shut-in
04/03/15	17:00:00	248.3	1804.0	193.0	1997.0	Shut-in
04/03/15	18:00:00	248.7	1802.3	193.0	1995.3	Shut-in
04/03/15	19:00:00	249.1	1801.4	193.0	1994.4	Shut-in
04/03/15	20:00:00	249.5	1801.4	193.0	1994.4	Shut-in
04/03/15	21:00:00	250.0	1801.5	193.0	1994.5	Shut-in
04/03/15	22:00:00	250.4	1801.6	193.0	1994.6	Shut-in
04/03/15	23:00:00	250.8	1801.7	193.0	1994.7	Shut-in
04/04/15	00:00:00	251.2	1801.7	193.0	1994.7	Shut-in
04/04/15	01:00:00	251.6	1801.8	193.0	1994.8	Shut-in
04/04/15	02:00:00	252.1	1802.1	193.0	1995.1	Shut-in
04/04/15	03:00:00	252.5	1803.1	193.0	1996.1	Shut-in
04/04/15	04:00:00	252.9	1802.7	193.0	1995.7	Shut-in
04/04/15	05:00:00	253.3	1803.2	193.0	1996.2	Shut-in
04/04/15	06:00:00	253.7	1801.2	193.0	1994.2	Shut-in
04/04/15	07:00:00	254.2	1791.6	193.0	1984.6	Shut-in
04/04/15	08:00:00	254.6	1785.9	193.0	1978.9	Shut-in
04/04/15	09:00:00	255.0	1808.4	193.0	2001.4	Shut-in
04/04/15	10:00:00	255.4	1857.2	193.0	2050.2	Shut-in
04/04/15	11:00:00	255.8	1806.3	193.0	1999.3	Shut-in
04/04/15	12:00:00	256.2	1806.6	193.0	1999.6	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/04/15	13:00:00	256.6	1806.0	193.0	1999.0	Shut-in
04/04/15	14:00:00	257.0	1805.9	193.0	1998.9	Shut-in
04/04/15	15:00:00	257.4	1806.3	193.0	1999.3	Shut-in
04/04/15	16:00:00	257.8	1807.0	193.0	2000.0	Shut-in
04/04/15	17:00:00	258.1	1805.5	193.0	1998.5	Shut-in
04/04/15	18:00:00	258.5	1803.6	193.0	1996.6	Shut-in
04/04/15	19:00:00	258.9	1804.2	193.0	1997.2	Shut-in
04/04/15	20:00:00	259.3	1804.3	193.0	1997.3	Shut-in
04/04/15	21:00:00	259.7	1804.6	193.0	1997.6	Shut-in
04/04/15	22:00:00	260.2	1804.9	193.0	1997.9	Shut-in
04/04/15	23:00:00	260.6	1805.1	193.0	1998.1	Shut-in
04/05/15	00:00:00	261.0	1805.4	193.0	1998.4	Shut-in
04/05/15	01:00:00	261.4	1805.3	193.0	1998.3	Shut-in
04/05/15	02:00:00	261.8	1805.6	193.0	1998.6	Shut-in
04/05/15	03:00:00	262.2	1805.7	193.0	1998.7	Shut-in
04/05/15	04:00:00	262.7	1806.1	193.0	1999.1	Shut-in
04/05/15	05:00:00	263.1	1807.0	193.0	2000.0	Shut-in
04/05/15	06:00:00	263.5	1806.8	193.0	1999.8	Shut-in
04/05/15	07:00:00	263.9	1807.1	193.0	2000.1	Shut-in
04/05/15	08:00:00	264.3	1807.1	193.0	2000.1	Shut-in
04/05/15	09:00:00	264.7	1808.6	193.0	2001.6	Shut-in
04/05/15	10:00:00	265.1	1808.7	193.0	2001.7	Shut-in
04/05/15	11:00:00	265.6	1809.5	193.0	2002.5	Shut-in
04/05/15	12:00:00	266.0	1809.7	193.0	2002.7	Shut-in
04/05/15	13:00:00	266.4	1810.2	193.0	2003.2	Shut-in
04/05/15	14:00:00	266.8	1808.1	193.0	2001.1	Shut-in
04/05/15	15:00:00	267.2	1808.7	193.0	2001.7	Shut-in
04/05/15	16:00:00	267.6	1808.8	193.0	2001.8	Shut-in
04/05/15	17:00:00	268.0	1810.2	193.0	2003.2	Shut-in
04/05/15	18:00:00	268.4	1810.7	193.0	2003.7	Shut-in
04/05/15	19:00:00	268.9	1810.2	193.0	2003.2	Shut-in
04/05/15	20:00:00	269.3	1808.6	193.0	2001.6	Shut-in
04/05/15	21:00:00	269.7	1808.9	193.0	2001.9	Shut-in
04/05/15	22:00:00	270.1	1809.1	193.0	2002.1	Shut-in
04/05/15	23:00:00	270.5	1810.1	193.0	2003.1	Shut-in
04/06/15	00:00:00	270.9	1810.3	193.0	2003.3	Shut-in
04/06/15	01:00:00	271.3	1809.9	193.0	2002.9	Shut-in
04/06/15	02:00:00	271.7	1810.6	193.0	2003.6	Shut-in
04/06/15	03:00:00	272.2	1805.0	193.0	1998.0	Shut-in
04/06/15	04:00:00	272.6	1795.3	193.0	1988.3	Shut-in
04/06/15	05:00:00	273.0	1782.4	193.0	1975.4	Shut-in
04/06/15	06:00:00	273.4	1778.4	193.0	1971.4	Shut-in
04/06/15	07:00:00	273.8	1773.5	193.0	1966.5	Shut-in
04/06/15	08:00:00	274.2	1766.1	193.0	1959.1	Shut-in
04/06/15	09:00:00	274.7	1794.8	193.0	1987.8	Shut-in
04/06/15	10:00:00	275.1	1867.5	193.0	2060.5	Shut-in
04/06/15	11:00:00	275.5	1847.5	193.0	2040.5	Shut-in
04/06/15	12:00:00	275.9	1815.1	193.0	2008.1	Shut-in
04/06/15	13:00:00	276.3	1814.7	193.0	2007.7	Shut-in
04/06/15	14:00:00	276.7	1815.0	193.0	2008.0	Shut-in
04/06/15	15:00:00	277.1	1813.7	193.0	2006.7	Shut-in
04/06/15	16:00:00	277.5	1815.7	193.0	2008.7	Shut-in
04/06/15	17:00:00	277.9	1813.5	193.0	2006.5	Shut-in
04/06/15	18:00:00	278.3	1813.4	193.0	2006.4	Shut-in
04/06/15	19:00:00	278.7	1813.9	193.0	2006.9	Shut-in
04/06/15	20:00:00	279.1	1813.7	193.0	2006.7	Shut-in
04/06/15	21:00:00	279.5	1813.1	193.0	2006.1	Shut-in
04/06/15	22:00:00	280.0	1813.6	193.0	2006.6	Shut-in
04/06/15	23:00:00	280.4	1814.5	193.0	2007.5	Shut-in
04/07/15	00:00:00	280.8	1814.1	193.0	2007.1	Shut-in
04/07/15	01:00:00	281.2	1814.8	193.0	2007.8	Shut-in
04/07/15	02:00:00	281.6	1815.1	193.0	2008.1	Shut-in
04/07/15	03:00:00	282.0	1814.3	193.0	2007.3	Shut-in
04/07/15	04:00:00	282.5	1819.3	193.0	2012.3	Shut-in
04/07/15	05:00:00	282.9	1823.2	193.0	2016.2	Shut-in
04/07/15	06:00:00	283.3	1817.5	193.0	2010.5	Shut-in
04/07/15	07:00:00	283.7	1814.7	193.0	2007.7	Shut-in
04/07/15	08:00:00	284.1	1813.5	193.0	2006.5	Shut-in
04/07/15	09:00:00	284.5	1814.0	193.0	2007.0	Shut-in
04/07/15	10:00:00	284.9	1815.6	193.0	2008.6	Shut-in
04/07/15	11:00:00	285.3	1817.1	193.0	2010.1	Shut-in
04/07/15	12:00:00	285.8	1855.4	193.0	2048.4	Shut-in
04/07/15	13:00:00	286.2	1819.2	193.0	2012.2	Shut-in
04/07/15	14:00:00	286.6	1817.7	193.0	2010.7	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/07/15	15:00:00	287.0	1818.3	193.0	2011.3	Shut-in
04/07/15	16:00:00	287.4	1819.1	193.0	2012.1	Shut-in
04/07/15	17:00:00	287.8	1818.5	193.0	2011.5	Shut-in
04/07/15	18:00:00	288.2	1817.9	193.0	2010.9	Shut-in
04/07/15	19:00:00	288.6	1818.1	193.0	2011.1	Shut-in
04/07/15	20:00:00	289.1	1849.1	193.0	2042.1	Shut-in
04/07/15	21:00:00	289.5	1833.4	193.0	2026.4	Shut-in
04/07/15	22:00:00	289.8	1811.8	193.0	2004.8	Shut-in
04/07/15	23:00:00	290.2	1801.0	193.0	1994.0	Shut-in
04/08/15	00:00:00	290.6	1788.2	193.0	1981.2	Shut-in
04/08/15	01:00:00	291.1	1809.2	193.0	2002.2	Shut-in
04/08/15	02:00:00	291.5	1820.0	193.0	2013.0	Shut-in
04/08/15	03:00:00	291.9	1819.6	193.0	2012.6	Shut-in
04/08/15	04:00:00	292.3	1820.0	193.0	2013.0	Shut-in
04/08/15	05:00:00	292.8	1820.2	193.0	2013.2	Shut-in
04/08/15	06:00:00	293.2	1820.5	193.0	2013.5	Shut-in
04/08/15	07:00:00	293.6	1820.7	193.0	2013.7	Shut-in
04/08/15	08:00:00	294.0	1820.9	193.0	2013.9	Shut-in
04/08/15	09:00:00	294.4	1821.8	193.0	2014.8	Shut-in
04/08/15	10:00:00	294.9	1822.9	193.0	2015.9	Shut-in
04/08/15	11:00:00	295.3	1837.2	193.0	2030.2	Shut-in
04/08/15	12:00:00	295.7	1829.2	193.0	2022.2	Shut-in
04/08/15	13:00:00	296.1	1822.6	193.0	2015.6	Shut-in
04/08/15	14:00:00	296.5	1822.5	193.0	2015.5	Shut-in
04/08/15	15:00:00	296.9	1823.4	193.0	2016.4	Shut-in
04/08/15	16:00:00	297.3	1824.1	193.0	2017.1	Shut-in
04/08/15	17:00:00	297.7	1824.3	193.0	2017.3	Shut-in
04/08/15	18:00:00	298.1	1823.7	193.0	2016.7	Shut-in
04/08/15	19:00:00	298.5	1822.1	193.0	2015.1	Shut-in
04/08/15	20:00:00	298.9	1821.4	193.0	2014.4	Shut-in
04/08/15	21:00:00	299.3	1821.7	193.0	2014.7	Shut-in
04/08/15	22:00:00	299.8	1822.0	193.0	2015.0	Shut-in
04/08/15	23:00:00	300.2	1822.6	193.0	2015.6	Shut-in
04/09/15	00:00:00	300.6	1818.9	193.0	2011.9	Shut-in
04/09/15	01:00:00	301.0	1807.2	193.0	2000.2	Shut-in
04/09/15	02:00:00	301.4	1801.6	193.0	1994.6	Shut-in
04/09/15	03:00:00	301.9	1795.0	193.0	1988.0	Shut-in
04/09/15	04:00:00	302.3	1789.5	193.0	1982.5	Shut-in
04/09/15	05:00:00	302.7	1791.2	193.0	1984.2	Shut-in
04/09/15	06:00:00	303.1	1776.2	193.0	1969.2	Shut-in
04/09/15	07:00:00	303.5	1760.4	193.0	1953.4	Shut-in
04/09/15	08:00:00	304.0	1757.1	193.0	1950.1	Shut-in
04/09/15	09:00:00	304.4	1782.9	193.0	1975.9	Shut-in
04/09/15	10:00:00	304.8	1845.4	193.0	2038.4	Shut-in
04/09/15	11:00:00	305.2	1834.7	193.0	2027.7	Shut-in
04/09/15	12:00:00	305.6	1828.0	193.0	2021.0	Shut-in
04/09/15	13:00:00	306.0	1827.6	193.0	2020.6	Shut-in
04/09/15	14:00:00	306.4	1827.9	193.0	2020.9	Shut-in
04/09/15	15:00:00	306.8	1828.1	193.0	2021.1	Shut-in
04/09/15	16:00:00	307.2	1829.3	193.0	2022.3	Shut-in
04/09/15	17:00:00	307.6	1827.6	193.0	2020.6	Shut-in
04/09/15	18:00:00	308.0	1828.0	193.0	2021.0	Shut-in
04/09/15	19:00:00	308.4	1826.7	193.0	2019.7	Shut-in
04/09/15	20:00:00	308.9	1825.3	193.0	2018.3	Shut-in
04/09/15	21:00:00	309.3	1825.8	193.0	2018.8	Shut-in
04/09/15	22:00:00	309.7	1826.1	193.0	2019.1	Shut-in
04/09/15	23:00:00	310.1	1826.2	193.0	2019.2	Shut-in
04/10/15	00:00:00	310.5	1826.2	193.0	2019.2	Shut-in
04/10/15	01:00:00	310.8	1826.8	193.0	2019.8	Shut-in
04/10/15	02:00:00	311.1	1827.1	193.0	2020.1	Shut-in
04/10/15	03:00:00	311.5	1827.5	193.0	2020.5	Shut-in
04/10/15	04:00:00	311.8	1827.5	193.0	2020.5	Shut-in
04/10/15	05:00:00	312.2	1826.4	193.0	2019.4	Shut-in
04/10/15	06:00:00	312.5	1816.3	193.0	2009.3	Shut-in
04/10/15	07:00:00	312.9	1804.9	193.0	1997.9	Shut-in
04/10/15	08:00:00	313.2	1805.6	193.0	1998.6	Shut-in
04/10/15	09:00:00	313.5	1835.9	193.0	2028.9	Shut-in
04/10/15	10:00:00	313.9	1854.7	193.0	2047.7	Shut-in
04/10/15	11:00:00	314.2	1831.7	193.0	2024.7	Shut-in
04/10/15	12:00:00	314.5	1832.2	193.0	2025.2	Shut-in
04/10/15	13:00:00	314.9	1832.3	193.0	2025.3	Shut-in
04/10/15	14:00:00	315.2	1832.5	193.0	2025.5	Shut-in
04/10/15	15:00:00	315.5	1832.1	193.0	2025.1	Shut-in
04/10/15	16:00:00	315.9	1831.3	193.0	2024.3	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/10/15	17:00:00	316.2	1831.7	193.0	2024.7	Shut-in
04/10/15	18:00:00	316.5	1830.4	193.0	2023.4	Shut-in
04/10/15	19:00:00	316.9	1829.0	193.0	2022.0	Shut-in
04/10/15	20:00:00	317.2	1829.3	193.0	2022.3	Shut-in
04/10/15	21:00:00	317.5	1829.4	193.0	2022.4	Shut-in
04/10/15	22:00:00	317.9	1829.7	193.0	2022.7	Shut-in
04/10/15	23:00:00	318.2	1830.2	193.0	2023.2	Shut-in
04/11/15	00:00:00	318.6	1830.4	193.0	2023.4	Shut-in
04/11/15	01:00:00	318.9	1830.7	193.0	2023.7	Shut-in
04/11/15	02:00:00	319.3	1831.8	193.0	2024.8	Shut-in
04/11/15	03:00:00	319.6	1831.0	193.0	2024.0	Shut-in
04/11/15	04:00:00	319.9	1830.8	193.0	2023.8	Shut-in
04/11/15	05:00:00	320.3	1831.1	193.0	2024.1	Shut-in
04/11/15	06:00:00	320.6	1831.5	193.0	2024.5	Shut-in
04/11/15	07:00:00	321.0	1830.7	193.0	2023.7	Shut-in
04/11/15	08:00:00	321.3	1821.8	193.0	2014.8	Shut-in
04/11/15	09:00:00	321.7	1848.2	193.0	2041.2	Shut-in
04/11/15	10:00:00	322.0	1852.5	193.0	2045.5	Shut-in
04/11/15	11:00:00	322.3	1834.8	193.0	2027.8	Shut-in
04/11/15	12:00:00	322.7	1834.8	193.0	2027.8	Shut-in
04/11/15	13:00:00	323.0	1831.5	193.0	2024.5	Shut-in
04/11/15	14:00:00	323.3	1835.3	193.0	2028.3	Shut-in
04/11/15	15:00:00	323.6	1835.3	193.0	2028.3	Shut-in
04/11/15	16:00:00	324.0	1835.6	193.0	2028.6	Shut-in
04/11/15	17:00:00	324.3	1835.9	193.0	2028.9	Shut-in
04/11/15	18:00:00	324.6	1834.7	193.0	2027.7	Shut-in
04/11/15	19:00:00	325.0	1832.4	193.0	2025.4	Shut-in
04/11/15	20:00:00	325.3	1832.4	193.0	2025.4	Shut-in
04/11/15	21:00:00	325.6	1832.6	193.0	2025.6	Shut-in
04/11/15	22:00:00	326.0	1832.9	193.0	2025.9	Shut-in
04/11/15	23:00:00	326.3	1832.8	193.0	2025.8	Shut-in
04/12/15	00:00:00	326.7	1833.1	193.0	2026.1	Shut-in
04/12/15	01:00:00	327.0	1833.8	193.0	2026.8	Shut-in
04/12/15	02:00:00	327.3	1833.2	193.0	2026.2	Shut-in
04/12/15	03:00:00	327.7	1834.1	193.0	2027.1	Shut-in
04/12/15	04:00:00	328.0	1834.5	193.0	2027.5	Shut-in
04/12/15	05:00:00	328.4	1834.5	193.0	2027.5	Shut-in
04/12/15	06:00:00	328.7	1834.7	193.0	2027.7	Shut-in
04/12/15	07:00:00	329.1	1835.2	193.0	2028.2	Shut-in
04/12/15	08:00:00	329.4	1834.6	193.0	2027.6	Shut-in
04/12/15	09:00:00	329.5	1868.0	193.0	2061.0	Shut-in
04/12/15	10:00:00	329.7	1842.9	193.0	2035.9	Shut-in
04/12/15	11:00:00	330.0	1838.0	193.0	2031.0	Shut-in
04/12/15	12:00:00	330.3	1838.7	193.0	2031.7	Shut-in
04/12/15	13:00:00	330.6	1838.8	193.0	2031.8	Shut-in
04/12/15	14:00:00	330.9	1838.6	193.0	2031.6	Shut-in
04/12/15	15:00:00	331.2	1838.2	193.0	2031.2	Shut-in
04/12/15	16:00:00	331.5	1838.9	193.0	2031.9	Shut-in
04/12/15	17:00:00	331.8	1839.3	193.0	2032.3	Shut-in
04/12/15	18:00:00	332.2	1838.8	193.0	2031.8	Shut-in
04/12/15	19:00:00	332.5	1836.5	193.0	2029.5	Shut-in
04/12/15	20:00:00	332.8	1833.8	193.0	2026.8	Shut-in
04/12/15	21:00:00	333.2	1835.3	193.0	2028.3	Shut-in
04/12/15	22:00:00	333.5	1835.6	193.0	2028.6	Shut-in
04/12/15	23:00:00	333.8	1835.9	193.0	2028.9	Shut-in
04/13/15	00:00:00	334.2	1835.9	193.0	2028.9	Shut-in
04/13/15	01:00:00	334.5	1836.1	193.0	2029.1	Shut-in
04/13/15	02:00:00	334.9	1836.2	193.0	2029.2	Shut-in
04/13/15	03:00:00	335.2	1836.4	193.0	2029.4	Shut-in
04/13/15	04:00:00	335.5	1836.5	193.0	2029.5	Shut-in
04/13/15	05:00:00	335.8	1836.7	193.0	2029.7	Shut-in
04/13/15	06:00:00	336.1	1836.8	193.0	2029.8	Shut-in
04/13/15	07:00:00	336.5	1833.1	193.0	2026.1	Shut-in
04/13/15	08:00:00	336.8	1822.3	193.0	2015.3	Shut-in
04/13/15	09:00:00	337.1	1864.9	193.0	2057.9	Shut-in
04/13/15	10:00:00	337.5	1840.2	193.0	2033.2	Shut-in
04/13/15	11:00:00	337.8	1840.7	193.0	2033.7	Shut-in
04/13/15	12:00:00	338.1	1840.8	193.0	2033.8	Shut-in
04/13/15	13:00:00	338.4	1838.4	193.0	2031.4	Shut-in
04/13/15	14:00:00	338.7	1837.9	193.0	2030.9	Shut-in
04/13/15	15:00:00	339.0	1840.4	193.0	2033.4	Shut-in
04/13/15	16:00:00	339.4	1838.9	193.0	2031.9	Shut-in
04/13/15	17:00:00	339.7	1839.1	193.0	2032.1	Shut-in
04/13/15	18:00:00	340.0	1839.0	193.0	2032.0	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/13/15	19:00:00	340.4	1838.9	193.0	2031.9	Shut-in
04/13/15	20:00:00	340.7	1838.3	193.0	2031.3	Shut-in
04/13/15	21:00:00	341.1	1838.6	193.0	2031.6	Shut-in
04/13/15	22:00:00	341.4	1838.5	193.0	2031.5	Shut-in
04/13/15	23:00:00	341.7	1838.7	193.0	2031.7	Shut-in
04/14/15	00:00:00	342.1	1839.3	193.0	2032.3	Shut-in
04/14/15	01:00:00	342.4	1839.0	193.0	2032.0	Shut-in
04/14/15	02:00:00	342.8	1839.7	193.0	2032.7	Shut-in
04/14/15	03:00:00	343.1	1839.5	193.0	2032.5	Shut-in
04/14/15	04:00:00	343.4	1839.3	193.0	2032.3	Shut-in
04/14/15	05:00:00	343.8	1839.5	193.0	2032.5	Shut-in
04/14/15	06:00:00	344.1	1839.4	193.0	2032.4	Shut-in
04/14/15	07:00:00	344.5	1827.3	193.0	2020.3	Shut-in
04/14/15	08:00:00	344.7	1811.6	193.0	2004.6	Shut-in
04/14/15	09:00:00	345.1	1842.9	193.0	2035.9	Shut-in
04/14/15	10:00:00	345.5	1872.5	193.0	2065.5	Shut-in
04/14/15	11:00:00	346.0	1842.6	193.0	2035.6	Shut-in
04/14/15	12:00:00	346.3	1842.8	193.0	2035.8	Shut-in
04/14/15	13:00:00	346.7	1842.8	193.0	2035.8	Shut-in
04/14/15	14:00:00	347.1	1841.9	193.0	2034.9	Shut-in
04/14/15	15:00:00	347.5	1842.2	193.0	2035.2	Shut-in
04/14/15	16:00:00	347.9	1843.3	193.0	2036.3	Shut-in
04/14/15	17:00:00	348.4	1843.4	193.0	2036.4	Shut-in
04/14/15	18:00:00	348.8	1842.9	193.0	2035.9	Shut-in
04/14/15	19:00:00	349.2	1841.3	193.0	2034.3	Shut-in
04/14/15	20:00:00	349.6	1841.1	193.0	2034.1	Shut-in
04/14/15	21:00:00	350.0	1841.3	193.0	2034.3	Shut-in
04/14/15	22:00:00	350.4	1841.6	193.0	2034.6	Shut-in
04/14/15	23:00:00	350.8	1842.2	193.0	2035.2	Shut-in
04/15/15	00:00:00	351.2	1842.1	193.0	2035.1	Shut-in
04/15/15	01:00:00	351.7	1842.6	193.0	2035.6	Shut-in
04/15/15	02:00:00	352.1	1843.0	193.0	2036.0	Shut-in
04/15/15	03:00:00	352.5	1843.2	193.0	2036.2	Shut-in
04/15/15	04:00:00	352.9	1836.0	193.0	2029.0	Shut-in
04/15/15	05:00:00	353.4	1827.1	193.0	2020.1	Shut-in
04/15/15	06:00:00	353.8	1837.2	193.0	2030.2	Shut-in
04/15/15	07:00:00	354.2	1841.7	193.0	2034.7	Shut-in
04/15/15	08:00:00	354.6	1841.4	193.0	2034.4	Shut-in
04/15/15	09:00:00	355.1	1866.9	193.0	2059.9	Shut-in
04/15/15	10:00:00	355.5	1860.6	193.0	2053.6	Shut-in
04/15/15	11:00:00	355.9	1846.2	193.0	2039.2	Shut-in
04/15/15	12:00:00	356.3	1846.0	193.0	2039.0	Shut-in
04/15/15	13:00:00	356.7	1846.4	193.0	2039.4	Shut-in
04/15/15	14:00:00	357.1	1846.3	193.0	2039.3	Shut-in
04/15/15	15:00:00	357.5	1846.7	193.0	2039.7	Shut-in
04/15/15	16:00:00	357.9	1847.4	193.0	2040.4	Shut-in
04/15/15	17:00:00	358.3	1847.6	193.0	2040.6	Shut-in
04/15/15	18:00:00	358.7	1846.0	193.0	2039.0	Shut-in
04/15/15	19:00:00	359.1	1845.3	193.0	2038.3	Shut-in
04/15/15	20:00:00	359.6	1844.7	193.0	2037.7	Shut-in
04/15/15	21:00:00	360.0	1845.0	193.0	2038.0	Shut-in
04/15/15	22:00:00	360.4	1845.2	193.0	2038.2	Shut-in
04/15/15	23:00:00	360.8	1845.5	193.0	2038.5	Shut-in
04/16/15	00:00:00	361.2	1846.0	193.0	2039.0	Shut-in
04/16/15	01:00:00	361.7	1846.6	193.0	2039.6	Shut-in
04/16/15	02:00:00	362.1	1846.9	193.0	2039.9	Shut-in
04/16/15	03:00:00	362.5	1846.6	193.0	2039.6	Shut-in
04/16/15	04:00:00	362.9	1847.4	193.0	2040.4	Shut-in
04/16/15	05:00:00	363.4	1847.0	193.0	2040.0	Shut-in
04/16/15	06:00:00	363.8	1846.1	193.0	2039.1	Shut-in
04/16/15	07:00:00	364.2	1839.6	193.0	2032.6	Shut-in
04/16/15	08:00:00	364.6	1837.6	193.0	2030.6	Shut-in
04/16/15	09:00:00	365.0	(4)	193.0	(4)	Shut-in
04/16/15	10:00:00	365.4	(4)	193.0	(4)	Shut-in
04/16/15	11:00:00	365.8	(4)	193.0	(4)	Shut-in
04/16/15	12:00:00	366.2	(4)	193.0	(4)	Shut-in
04/16/15	13:00:00	366.6	(4)	193.0	(4)	Shut-in
04/16/15	14:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	15:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	16:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	17:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	18:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	19:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	20:00:00	366.7	(4)	193.0	(4)	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/16/15	21:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	22:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	23:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	00:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	01:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	02:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	03:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	04:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	05:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	06:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	07:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	08:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	09:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	10:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	11:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	12:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	13:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	14:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	15:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	16:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	17:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	18:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	19:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	20:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	21:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	22:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	23:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	00:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	01:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	02:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	03:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	04:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	05:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	06:00:00	366.8	(4)	193.0	(4)	Shut-in
04/18/15	07:00:00	366.9	(4)	193.0	(4)	Shut-in
04/18/15	08:00:00	367.0	(4)	193.0	(4)	Shut-in
04/18/15	09:00:00	367.1	(4)	193.0	(4)	Shut-in
04/18/15	10:00:00	367.3	(4)	193.0	(4)	Shut-in
04/18/15	11:00:00	367.4	(4)	193.0	(4)	Shut-in
04/18/15	12:00:00	367.6	(4)	193.0	(4)	Shut-in
04/18/15	13:00:00	367.9	(4)	193.0	(4)	Shut-in
04/18/15	14:00:00	368.1	(4)	193.0	(4)	Shut-in
04/18/15	15:00:00	368.3	(4)	193.0	(4)	Shut-in
04/18/15	16:00:00	368.6	(4)	193.0	(4)	Shut-in
04/18/15	17:00:00	368.9	(4)	193.0	(4)	Shut-in
04/18/15	18:00:00	369.2	(4)	193.0	(4)	Shut-in
04/18/15	19:00:00	369.5	(4)	193.0	(4)	Shut-in
04/18/15	20:00:00	369.8	(4)	193.0	(4)	Shut-in
04/18/15	21:00:00	370.2	(4)	193.0	(4)	Shut-in
04/18/15	22:00:00	370.5	(4)	193.0	(4)	Shut-in
04/18/15	23:00:00	370.8	(4)	193.0	(4)	Shut-in
04/19/15	00:00:00	371.1	(4)	193.0	(4)	Shut-in
04/19/15	01:00:00	371.5	(4)	193.0	(4)	Shut-in
04/19/15	02:00:00	371.8	(4)	193.0	(4)	Shut-in
04/19/15	03:00:00	372.1	(4)	193.0	(4)	Shut-in
04/19/15	04:00:00	372.5	(4)	193.0	(4)	Shut-in
04/19/15	05:00:00	372.8	(4)	193.0	(4)	Shut-in
04/19/15	06:00:00	373.1	(4)	193.0	(4)	Shut-in
04/19/15	07:00:00	373.5	(4)	193.0	(4)	Shut-in
04/19/15	08:00:00	373.8	(4)	193.0	(4)	Shut-in
04/19/15	09:00:00	374.1	(4)	193.0	(4)	Shut-in
04/19/15	10:00:00	374.5	(4)	193.0	(4)	Shut-in
04/19/15	11:00:00	374.8	(4)	193.0	(4)	Shut-in
04/19/15	12:00:00	375.1	(4)	193.0	(4)	Shut-in
04/19/15	13:00:00	375.4	(4)	193.0	(4)	Shut-in
04/19/15	14:00:00	375.8	(4)	193.0	(4)	Shut-in
04/19/15	15:00:00	376.1	(4)	193.0	(4)	Shut-in
04/19/15	16:00:00	376.4	(4)	193.0	(4)	Shut-in
04/19/15	17:00:00	376.7	(4)	193.0	(4)	Shut-in
04/19/15	18:00:00	377.0	(4)	193.0	(4)	Shut-in
04/19/15	19:00:00	377.4	(4)	193.0	(4)	Shut-in
04/19/15	20:00:00	377.7	(4)	193.0	(4)	Shut-in
04/19/15	21:00:00	378.0	(4)	193.0	(4)	Shut-in
04/19/15	22:00:00	378.4	(4)	193.0	(4)	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/19/15	23:00:00	378.7	(4)	193.0	(4)	Shut-in
04/20/15	00:00:00	379.0	(4)	193.0	(4)	Shut-in
04/20/15	01:00:00	379.3	(4)	193.0	(4)	Shut-in
04/20/15	02:00:00	379.7	(4)	193.0	(4)	Shut-in
04/20/15	03:00:00	380.0	(4)	193.0	(4)	Shut-in
04/20/15	04:00:00	380.3	(4)	193.0	(4)	Shut-in
04/20/15	05:00:00	380.7	(4)	193.0	(4)	Shut-in
04/20/15	06:00:00	381.0	(4)	193.0	(4)	Shut-in
04/20/15	07:00:00	381.3	(4)	193.0	(4)	Shut-in
04/20/15	08:00:00	381.7	(4)	193.0	(4)	Shut-in
04/20/15	09:00:00	382.0	(4)	193.0	(4)	Shut-in
04/20/15	10:00:00	382.3	(4)	193.0	(4)	Shut-in
04/20/15	11:00:00	382.6	(4)	193.0	(4)	Shut-in
04/20/15	12:00:00	382.8	(4)	193.0	(4)	Shut-in
04/20/15	13:00:00	383.1	(4)	193.0	(4)	Shut-in
04/20/15	14:00:00	383.5	(4)	193.0	(4)	Shut-in
04/20/15	15:00:00	383.8	(4)	193.0	(4)	Shut-in
04/20/15	16:00:00	384.2	1854.0	193.0	2047.0	Shut-in
04/20/15	17:00:00	384.6	1852.6	193.0	2045.6	Shut-in
04/20/15	18:00:00	385.0	1852.8	193.0	2045.8	Shut-in
04/20/15	19:00:00	385.4	1851.9	193.0	2044.9	Shut-in
04/20/15	20:00:00	385.8	1852.1	193.0	2045.1	Shut-in
04/20/15	21:00:00	386.2	1852.4	193.0	2045.4	Shut-in
04/20/15	22:00:00	386.6	1852.6	193.0	2045.6	Shut-in
04/20/15	23:00:00	387.0	1853.0	193.0	2046.0	Shut-in
04/21/15	00:00:00	387.4	1853.9	193.0	2046.9	Shut-in
04/21/15	01:00:00	387.8	1854.0	193.0	2047.0	Shut-in
04/21/15	02:00:00	388.1	1853.9	193.0	2046.9	Shut-in
04/21/15	03:00:00	388.4	1853.7	193.0	2046.7	Shut-in
04/21/15	04:00:00	388.8	1853.9	193.0	2046.9	Shut-in
04/21/15	05:00:00	389.2	1854.1	193.0	2047.1	Shut-in
04/21/15	06:00:00	389.6	1854.4	193.0	2047.4	Shut-in
04/21/15	07:00:00	390.0	1854.0	193.0	2047.0	Shut-in
04/21/15	08:00:00	390.4	1855.4	193.0	2048.4	Shut-in
04/21/15	09:00:00	390.9	1856.6	193.0	2049.6	Shut-in
04/21/15	10:00:00	391.3	1856.5	193.0	2049.5	Shut-in
04/21/15	11:00:00	391.6	1856.9	193.0	2049.9	Shut-in
04/21/15	12:00:00	392.0	1857.2	193.0	2050.2	Shut-in
04/21/15	13:00:00	392.2	1856.6	193.0	2049.6	Shut-in
04/21/15	14:00:00	392.6	1855.0	193.0	2048.0	Shut-in
04/21/15	15:00:00	393.0	1857.1	193.0	2050.1	Shut-in
04/21/15	16:00:00	393.4	1856.2	193.0	2049.2	Shut-in
04/21/15	17:00:00	393.8	1856.8	193.0	2049.8	Shut-in
04/21/15	18:00:00	394.2	1856.4	193.0	2049.4	Shut-in
04/21/15	19:00:00	394.6	1855.6	193.0	2048.6	Shut-in
04/21/15	20:00:00	395.0	1855.7	193.0	2048.7	Shut-in
04/21/15	21:00:00	395.3	1856.2	193.0	2049.2	Shut-in
04/21/15	22:00:00	395.7	1856.4	193.0	2049.4	Shut-in
04/21/15	23:00:00	396.1	1856.6	193.0	2049.6	Shut-in
04/22/15	00:00:00	396.5	1856.9	193.0	2049.9	Shut-in
04/22/15	01:00:00	396.9	1857.1	193.0	2050.1	Shut-in
04/22/15	02:00:00	397.3	1857.7	193.0	2050.7	Shut-in
04/22/15	03:00:00	397.7	1857.6	193.0	2050.6	Shut-in
04/22/15	04:00:00	398.2	1858.2	193.0	2051.2	Shut-in
04/22/15	05:00:00	398.6	1858.4	193.0	2051.4	Shut-in
04/22/15	06:00:00	399.0	1858.8	193.0	2051.8	Shut-in
04/22/15	07:00:00	399.4	1859.1	193.0	2052.1	Shut-in
04/22/15	08:00:00	399.8	1860.2	193.0	2053.2	Shut-in
04/22/15	09:00:00	400.2	1860.4	193.0	2053.4	Shut-in
04/22/15	10:00:00	400.6	1860.5	193.0	2053.5	Shut-in
04/22/15	11:00:00	401.0	1860.2	193.0	2053.2	Shut-in
04/22/15	12:00:00	401.4	1861.6	193.0	2054.6	Shut-in
04/22/15	13:00:00	401.7	1861.4	193.0	2054.4	Shut-in
04/22/15	14:00:00	402.0	1861.6	193.0	2054.6	Shut-in
04/22/15	15:00:00	402.3	1861.9	193.0	2054.9	Shut-in
04/22/15	16:00:00	402.5	1861.8	193.0	2054.8	Shut-in
04/22/15	17:00:00	402.9	1861.7	193.0	2054.7	Shut-in
04/22/15	18:00:00	403.3	1860.3	193.0	2053.3	Shut-in
04/22/15	19:00:00	403.7	1861.0	193.0	2054.0	Shut-in
04/22/15	20:00:00	404.1	1859.4	193.0	2052.4	Shut-in
04/22/15	21:00:00	404.5	1859.9	193.0	2052.9	Shut-in
04/22/15	22:00:00	404.9	1860.2	193.0	2053.2	Shut-in
04/22/15	23:00:00	405.3	1860.3	193.0	2053.3	Shut-in
04/23/15	00:00:00	405.7	1860.5	193.0	2053.5	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/23/15	01:00:00	406.1	1860.7	193.0	2053.7	Shut-in
04/23/15	02:00:00	406.5	1860.8	193.0	2053.8	Shut-in
04/23/15	03:00:00	407.0	1861.5	193.0	2054.5	Shut-in
04/23/15	04:00:00	407.4	1862.0	193.0	2055.0	Shut-in
04/23/15	05:00:00	407.8	1862.5	193.0	2055.5	Shut-in
04/23/15	06:00:00	408.2	1861.5	193.0	2054.5	Shut-in
04/23/15	07:00:00	408.6	1861.8	193.0	2054.8	Shut-in
04/23/15	08:00:00	409.0	1862.1	193.0	2055.1	Shut-in
04/23/15	09:00:00	409.4	1863.7	193.0	2056.7	Shut-in
04/23/15	10:00:00	409.8	1864.1	193.0	2057.1	Shut-in
04/23/15	11:00:00	410.2	1864.6	193.0	2057.6	Shut-in
04/23/15	12:00:00	410.6	1863.6	193.0	2056.6	Shut-in
04/23/15	13:00:00	411.0	1865.2	193.0	2058.2	Shut-in
04/23/15	14:00:00	411.4	1864.3	193.0	2057.3	Shut-in
04/23/15	15:00:00	411.8	1865.9	193.0	2058.9	Shut-in
04/23/15	16:00:00	412.2	1865.8	193.0	2058.8	Shut-in
04/23/15	17:00:00	412.6	1863.4	193.0	2056.4	Shut-in
04/23/15	18:00:00	413.0	1862.9	193.0	2055.9	Shut-in
04/23/15	19:00:00	413.4	1864.3	193.0	2057.3	Shut-in
04/23/15	20:00:00	413.8	1864.0	193.0	2057.0	Shut-in
04/23/15	21:00:00	414.2	1863.7	193.0	2056.7	Shut-in
04/23/15	22:00:00	414.6	1863.9	193.0	2056.9	Shut-in
04/23/15	23:00:00	415.0	1864.5	193.0	2057.5	Shut-in
04/24/15	00:00:00	415.4	1865.1	193.0	2058.1	Shut-in
04/24/15	01:00:00	415.8	1865.2	193.0	2058.2	Shut-in
04/24/15	02:00:00	416.2	1865.8	193.0	2058.8	Shut-in
04/24/15	03:00:00	416.6	1865.1	193.0	2058.1	Shut-in
04/24/15	04:00:00	417.1	1865.3	193.0	2058.3	Shut-in
04/24/15	05:00:00	417.5	1865.7	193.0	2058.7	Shut-in
04/24/15	06:00:00	417.9	1866.0	193.0	2059.0	Shut-in
04/24/15	07:00:00	417.9	1865.8	193.0	2058.8	Shut-in
04/24/15	08:00:00	417.9	1867.8	193.0	2060.8	Shut-in
04/24/15	09:00:00	417.9	1867.0	193.0	2060.0	Shut-in
04/24/15	10:00:00	417.9	1867.7	193.0	2060.7	Shut-in
04/24/15	11:00:00	417.9	1868.5	193.0	2061.5	Shut-in
04/24/15	12:00:00	417.9	1869.7	193.0	2062.7	Shut-in
04/24/15	13:00:00	417.9	1869.6	193.0	2062.6	Shut-in
04/24/15	14:00:00	417.9	1868.9	193.0	2061.9	Shut-in
04/24/15	15:00:00	418.2	1868.5	193.0	2061.5	Shut-in
04/24/15	16:00:00	418.6	1868.3	193.0	2061.3	Shut-in
04/24/15	17:00:00	419.0	1868.5	193.0	2061.5	Shut-in
04/24/15	18:00:00	419.4	1868.3	193.0	2061.3	Shut-in
04/24/15	19:00:00	419.8	1867.3	193.0	2060.3	Shut-in
04/24/15	20:00:00	420.2	1867.0	193.0	2060.0	Shut-in
04/24/15	21:00:00	420.6	1867.3	193.0	2060.3	Shut-in
04/24/15	22:00:00	421.0	1867.4	193.0	2060.4	Shut-in
04/24/15	23:00:00	421.4	1867.4	193.0	2060.4	Shut-in
04/25/15	00:00:00	421.9	1867.5	193.0	2060.5	Shut-in
04/25/15	01:00:00	422.3	1867.7	193.0	2060.7	Shut-in
04/25/15	02:00:00	422.7	1868.6	193.0	2061.6	Shut-in
04/25/15	03:00:00	423.1	1869.6	193.0	2062.6	Shut-in
04/25/15	04:00:00	423.5	1869.1	193.0	2062.1	Shut-in
04/25/15	05:00:00	423.9	1868.6	193.0	2061.6	Shut-in
04/25/15	06:00:00	424.3	1869.7	193.0	2062.7	Shut-in
04/25/15	07:00:00	424.7	1868.8	193.0	2061.8	Shut-in
04/25/15	08:00:00	425.1	1869.6	193.0	2062.6	Shut-in
04/25/15	09:00:00	425.5	1870.2	193.0	2063.2	Shut-in
04/25/15	10:00:00	425.9	1870.3	193.0	2063.3	Shut-in
04/25/15	11:00:00	426.3	1869.5	193.0	2062.5	Shut-in
04/25/15	12:00:00	426.7	1870.1	193.0	2063.1	Shut-in
04/25/15	13:00:00	427.1	1870.0	193.0	2063.0	Shut-in
04/25/15	14:00:00	427.5	1870.7	193.0	2063.7	Shut-in
04/25/15	15:00:00	427.9	1870.4	193.0	2063.4	Shut-in
04/25/15	16:00:00	428.3	1871.6	193.0	2064.6	Shut-in
04/25/15	17:00:00	428.7	1871.6	193.0	2064.6	Shut-in
04/25/15	18:00:00	429.1	1871.9	193.0	2064.9	Shut-in
04/25/15	19:00:00	429.5	1871.1	193.0	2064.1	Shut-in
04/25/15	20:00:00	429.9	1869.4	193.0	2062.4	Shut-in
04/25/15	21:00:00	430.3	1869.9	193.0	2062.9	Shut-in
04/25/15	22:00:00	430.7	1870.6	193.0	2063.6	Shut-in
04/25/15	23:00:00	431.1	1871.2	193.0	2064.2	Shut-in
04/26/15	00:00:00	431.5	1871.8	193.0	2064.8	Shut-in
04/26/15	01:00:00	432.0	1871.5	193.0	2064.5	Shut-in
04/26/15	02:00:00	432.4	1871.2	193.0	2064.2	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/26/15	03:00:00	432.8	1871.2	193.0	2064.2	Shut-in
04/26/15	04:00:00	433.2	1871.5	193.0	2064.5	Shut-in
04/26/15	05:00:00	433.6	1872.1	193.0	2065.1	Shut-in
04/26/15	06:00:00	434.0	1872.2	193.0	2065.2	Shut-in
04/26/15	07:00:00	434.4	1872.5	193.0	2065.5	Shut-in
04/26/15	08:00:00	434.9	1873.2	193.0	2066.2	Shut-in
04/26/15	09:00:00	435.3	1874.0	193.0	2067.0	Shut-in
04/26/15	10:00:00	435.7	1874.9	193.0	2067.9	Shut-in
04/26/15	11:00:00	436.1	1875.7	193.0	2068.7	Shut-in
04/26/15	12:00:00	436.5	1875.6	193.0	2068.6	Shut-in
04/26/15	13:00:00	436.9	1876.5	193.0	2069.5	Shut-in
04/26/15	14:00:00	437.3	1876.7	193.0	2069.7	Shut-in
04/26/15	15:00:00	437.7	1877.0	193.0	2070.0	Shut-in
04/26/15	16:00:00	438.0	1876.9	193.0	2069.9	Shut-in
04/26/15	17:00:00	438.4	1876.4	193.0	2069.4	Shut-in
04/26/15	18:00:00	438.8	1876.6	193.0	2069.6	Shut-in
04/26/15	19:00:00	439.2	1874.0	193.0	2067.0	Shut-in
04/26/15	20:00:00	439.6	1873.0	193.0	2066.0	Shut-in
04/26/15	21:00:00	440.0	1873.3	193.0	2066.3	Shut-in
04/26/15	22:00:00	440.4	1873.5	193.0	2066.5	Shut-in
04/26/15	23:00:00	440.8	1874.2	193.0	2067.2	Shut-in
04/27/15	00:00:00	441.2	1874.4	193.0	2067.4	Shut-in
04/27/15	01:00:00	441.6	1874.7	193.0	2067.7	Shut-in
04/27/15	02:00:00	442.1	1875.6	193.0	2068.6	Shut-in
04/27/15	03:00:00	442.5	1875.0	193.0	2068.0	Shut-in
04/27/15	04:00:00	442.9	1875.3	193.0	2068.3	Shut-in
04/27/15	05:00:00	443.3	1876.1	193.0	2069.1	Shut-in
04/27/15	06:00:00	443.7	1876.7	193.0	2069.7	Shut-in
04/27/15	07:00:00	444.1	1876.5	193.0	2069.5	Shut-in
04/27/15	08:00:00	444.5	1876.8	193.0	2069.8	Shut-in
04/27/15	09:00:00	444.9	1878.6	193.0	2071.6	Shut-in
04/27/15	10:00:00	445.3	1879.7	193.0	2072.7	Shut-in
04/27/15	11:00:00	445.7	1879.9	193.0	2072.9	Shut-in
04/27/15	12:00:00	446.1	1880.4	193.0	2073.4	Shut-in
04/27/15	13:00:00	446.5	1879.8	193.0	2072.8	Shut-in
04/27/15	14:00:00	446.9	1879.9	193.0	2072.9	Shut-in
04/27/15	15:00:00	447.3	1880.5	193.0	2073.5	Shut-in
04/27/15	16:00:00	447.7	1880.8	193.0	2073.8	Shut-in
04/27/15	17:00:00	448.0	1880.5	193.0	2073.5	Shut-in
04/27/15	18:00:00	448.4	1878.8	193.0	2071.8	Shut-in
04/27/15	19:00:00	448.8	1877.7	193.0	2070.7	Shut-in
04/27/15	20:00:00	449.2	1876.9	193.0	2069.9	Shut-in
04/27/15	21:00:00	449.6	1878.0	193.0	2071.0	Shut-in
04/27/15	22:00:00	450.0	1878.0	193.0	2071.0	Shut-in
04/27/15	23:00:00	450.4	1878.4	193.0	2071.4	Shut-in
04/28/15	00:00:00	450.8	1878.6	193.0	2071.6	Shut-in
04/28/15	01:00:00	451.2	1879.1	193.0	2072.1	Shut-in
04/28/15	02:00:00	451.6	1879.4	193.0	2072.4	Shut-in
04/28/15	03:00:00	452.0	1879.5	193.0	2072.5	Shut-in
04/28/15	04:00:00	452.4	1879.6	193.0	2072.6	Shut-in
04/28/15	05:00:00	452.8	1879.9	193.0	2072.9	Shut-in
04/28/15	06:00:00	453.2	1880.1	193.0	2073.1	Shut-in
04/28/15	07:00:00	453.7	1880.2	193.0	2073.2	Shut-in
04/28/15	08:00:00	454.1	1880.7	193.0	2073.7	Shut-in
04/28/15	09:00:00	454.5	1881.2	193.0	2074.2	Shut-in
04/28/15	10:00:00	454.9	1881.7	193.0	2074.7	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/28/15	11:00:00	455.3	1882.6	193.0	2075.6	Shut-in
04/28/15	12:00:00	455.6	1881.8	193.0	2074.8	Shut-in
04/28/15	13:00:00	456.0	1883.0	193.0	2076.0	Shut-in
04/28/15	14:00:00	456.4	1883.2	193.0	2076.2	Shut-in
04/28/15	15:00:00	456.8	1884.1	193.0	2077.1	Shut-in
04/28/15	16:00:00	457.2	1884.2	193.0	2077.2	Shut-in
04/28/15	17:00:00	457.6	1880.0	193.0	2073.0	Shut-in
04/28/15	18:00:00	458.0	1882.5	193.0	2075.5	Shut-in
04/28/15	19:00:00	458.3	1881.0	193.0	2074.0	Shut-in
04/28/15	20:00:00	458.7	1881.4	193.0	2074.4	Shut-in
04/28/15	21:00:00	459.1	1881.5	193.0	2074.5	Shut-in
04/28/15	22:00:00	459.5	1881.8	193.0	2074.8	Shut-in
04/28/15	23:00:00	459.9	1882.1	193.0	2075.1	Shut-in
04/29/15	00:00:00	460.4	1882.5	193.0	2075.5	Shut-in
04/29/15	01:00:00	460.8	1883.0	193.0	2076.0	Shut-in
04/29/15	02:00:00	461.2	1883.2	193.0	2076.2	Shut-in
04/29/15	03:00:00	461.6	1883.3	193.0	2076.3	Shut-in
04/29/15	04:00:00	462.0	1883.5	193.0	2076.5	Shut-in
04/29/15	05:00:00	462.4	1883.7	193.0	2076.7	Shut-in
04/29/15	06:00:00	462.8	1883.9	193.0	2076.9	Shut-in
04/29/15	07:00:00	463.2	1884.0	193.0	2077.0	Shut-in
04/29/15	08:00:00	463.6	1884.6	193.0	2077.6	Shut-in
04/29/15	09:00:00	464.0	1885.5	193.0	2078.5	Shut-in
04/29/15	10:00:00	464.4	1886.0	193.0	2079.0	Shut-in
04/29/15	11:00:00	464.8	1886.9	193.0	2079.9	Shut-in
04/29/15	12:00:00	465.2	1887.4	193.0	2080.4	Shut-in
04/29/15	13:00:00	465.6	1887.5	193.0	2080.5	Shut-in
04/29/15	14:00:00	466.0	1887.6	193.0	2080.6	Shut-in
04/29/15	15:00:00	466.4	1887.4	193.0	2080.4	Shut-in
04/29/15	16:00:00	466.8	1887.8	193.0	2080.8	Shut-in
04/29/15	17:00:00	467.2	1887.8	193.0	2080.8	Shut-in
04/29/15	18:00:00	467.6	1887.2	193.0	2080.2	Shut-in
04/29/15	19:00:00	467.9	1883.7	193.0	2076.7	Shut-in
04/29/15	20:00:00	468.3	1884.6	193.0	2077.6	Shut-in
04/29/15	21:00:00	468.7	1884.9	193.0	2077.9	Shut-in
04/29/15	22:00:00	469.1	1885.3	193.0	2078.3	Shut-in
04/29/15	23:00:00	469.5	1885.7	193.0	2078.7	Shut-in
04/30/15	00:00:00	469.9	1885.8	193.0	2078.8	Shut-in
04/30/15	01:00:00	470.3	1885.9	193.0	2078.9	Shut-in
04/30/15	02:00:00	470.7	1886.0	193.0	2079.0	Shut-in
04/30/15	03:00:00	471.1	1886.2	193.0	2079.2	Shut-in
04/30/15	04:00:00	471.6	1886.5	193.0	2079.5	Shut-in
04/30/15	05:00:00	472.0	1886.5	193.0	2079.5	Shut-in
04/30/15	06:00:00	472.4	1887.4	193.0	2080.4	Shut-in
04/30/15	07:00:00	472.8	1888.2	193.0	2081.2	Shut-in
04/30/15	08:00:00	473.2	1888.3	193.0	2081.3	Shut-in
04/30/15	09:00:00	473.6	1888.9	193.0	2081.9	Shut-in
04/30/15	10:00:00	474.0	1889.2	193.0	2082.2	Shut-in
04/30/15	11:00:00	474.4	1890.2	193.0	2083.2	Shut-in
04/30/15	12:00:00	474.7	1891.3	193.0	2084.3	Shut-in
04/30/15	13:00:00	475.1	1890.8	193.0	2083.8	Shut-in
04/30/15	14:00:00	475.5	1891.3	193.0	2084.3	Shut-in
04/30/15	15:00:00	475.9	1891.2	193.0	2084.2	Shut-in
04/30/15	16:00:00	476.3	1891.7	193.0	2084.7	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	**TIME**	**MMSCF**	**PSIG**	**PSI**	**PSIG**	**Prod/SI**
04/30/15	17:00:00	476.7	1889.9	193.0	2082.9	Shut-in
04/30/15	18:00:00	477.0	1891.8	193.0	2084.8	Shut-in
04/30/15	19:00:00	477.4	1888.0	193.0	2081.0	Shut-in
04/30/15	20:00:00	477.8	1888.9	193.0	2081.9	Shut-in
04/30/15	21:00:00	478.2	1889.0	193.0	2082.0	Shut-in
04/30/15	22:00:00	478.6	1889.4	193.0	2082.4	Shut-in
04/30/15	23:00:00	479.0	1889.6	193.0	2082.6	Shut-in
05/01/15	00:00:00	479.4	1889.7	193.0	2082.7	Shut-in

Monthly Statistics

February Average:	1695.5	193.0	1888.5
February Minimum:	1620.6	193.0	1813.6
February Maximum:	1734.5	193.0	1927.5
March Average:	1754.8	193.0	1947.8
March Minimum:	1646.4	193.0	1839.4
March Maximum:	1811.3	193.0	2004.3
April Average:	1841.0	193.0	2034.0
April Minimum:	1757.1	193.0	1950.1
April Maximum:	1891.3	193.0	2084.3

Notes:

1) Recorded tubing pressure and calculated bottom hole pressure data are missing beginning on 2/18/15 at 02:00:00 hours and ending on 2/20/15 at 15:00:00 hours because data were not recorded during this time due to a dead battery in the data recorder.
2) Recorded tubing pressure and calculated bottom hole pressure data are missing on 3/08/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
3) Recorded tubing pressure and calculated bottom hole pressure data are missing beginning on 3/16/15 from 19:00:00 hours to 20:00:00 hours because maintenance was being performed on the recording unit (batteries were replaced).
4) Recorded tubing pressure and calculated bottom hole pressure data are missing beginning on 4/16/15 at 09:00:00 hours and ending on 4/20/15 at 15:00:00 hours because the recording unit was not in service due to operator error.

ATTACHMENT 4

Falloff Test Report – April 1 - 3, 2015

U.S. EPA Region 9
Underground Injection Control Program

FALLOFF TEST REPORT

PG&E TEST INJECTION WITHDRAWAL WELL 1
KING ISLAND GAS FIELD
SAN JOAQUIN COUNTY, CA

Falloff Test Date: April 1 - 3, 2015

PACIFIC GAS & ELECTRIC COMPANY

UIC Permit No. R9UIC-CA5-FY13-1

APRIL 2015

Prepared by:

MHA Petroleum Consultants
4700 Stockdale Highway, Suite 110
Bakersfield, CA 93309

Falloff Test Report
PG&E Test Injection Withdrawal Well 1
King Island Field, San Joaquin County, CA
Test Date: April 1 – 3, 2015

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1. **Background** 1
2. **Falloff Test Summary** 1
3. **Falloff Test Analysis and Results** 1
4. **Comparison to Previous Falloff Tests** 3
5. **Static Formation Pressure** 3
6. **Falloff Test Information Report** 4

Falloff Test Report
PG&E Test Injection Withdrawal Well 1
King Island Field, San Joaquin County, CA
Test Date: April 1 - 3, 2015

LIST OF EXHIBITS

EXHIBIT NO.	DESCRIPTION
1	Platform Express Open Hole Log
2	Static Reservoir Pressure versus Cumulative Injection
3	Well Completion Diagram
4	Well Location Map
5	Event Log
6	Gas Injection Rates Prior to Falloff Test
7	Pressure Production Summary (Filtered Dataset)
8	Gas Well Test - Falloff Radial Flow Analysis
9	Diagnostic Plot Falloff Test History
10	Diagnostic Plot Typecurve
11	Diagnostic Plot Radial Horner
12	Test Simulation Composite Model
13	Gas Model Test Simulation Composite Analysis Results
14	Test Simulation Composite Model History
15	Test Simulation Composite Model Typecurve
16	Test Simulation Composite Model Radial
APPENDIX	Digital Data

Falloff Test Report
PG&E Test Injection Withdrawal Well 1
King Island Field, San Joaquin County, CA
Test Date: April 1- 3, 2015

1. BACKGROUND

The PG&E Test Injection/Withdrawal Well 1 (I/W Well 1) is being operated as a Class V experimental compressed air energy storage (CAES) injection well. Oxygen-depleted air ('air') is being injected into a depleted natural gas reservoir in the Mokelumne River Formation (MRF) in the King Island Gas Field. The purpose of the injection is to build an 'air' bubble as part of a Compression Testing Program. During and after the bubble build period, a series of injection, shut-in, and withdrawal tests will be conducted to investigate the reservoir's performance for a CAES application. To determine and monitor formation characteristics, fall-off testing is being conducted as part of the bubble-building, equilibrium and injection/withdrawal phases of the CTP.

2. FALLOFF TEST SUMMARY

The I/W Well 1 was shut-in at 07:02:10 on April 1, 2015 to conduct a pressure falloff test for the purpose of obtaining current reservoir pressure and transmissibility data. This is the second falloff test performed after the initiation of 'air' injection on February 14, 2015 and it was conducted at the mid-point of the bubble-building process. Prior to shutting in the well for the FOT, a total of 245.71 million standard cubic feet (mmscf) of 'air' was injected into I/W Well 1 (the planned bubble size is 498 mmscf). The stabilized injection rate prior to shut-in was 8.52 mmscf per day. The oxygen content of the injected 'air' is less than 5 percent.

Pressure data were recorded by a bottomhole electronic gauge with surface readout capability. The gauge is located inside the tubing at a measured depth (KB) of 4,610 feet, or 4,565 feet true vertical depth (TVD). The fall-off test ended at 10:00:16 on April 3, 2015. There are two nearby offset wells, Piacentine 1-27 and Piacentine 2-27. Both offset wells were shut-in during this FOT.

3. FALLOFF TEST ANALYSIS AND RESULTS

The falloff test pressure transient data were analyzed to obtain operational information, static reservoir pressure and the estimated formation parameters requested by EPA. The pressure transient data were input into a commercial well test software program (IHS *Welltest*) to make the necessary data plots and interpretations.

A summary of the FOT results is given in the following table. The complete test results and analysis plots are presented in the Falloff Test Report Information section below.

Well Name	I/W Well 1
Test Date	1Apr2015
Test Type	Injection / Falloff
Flow Capacity (kh)	19,050 millidarcy-feet
Effective Thickness (h)	80 feet
Effective Permeability (k)	238.1 millidarcies (md)
Total Skin Factor	-1.41
p* @ Gauge Depth	2,025 psia @ 4,565' TVD
p* @ Top Completion	2,031 psia @ 4,665' TVD

The effective thickness (80 feet) for this test is estimated to be the height of the 'air' bubble around I/W Well 1. The bubble height is assumed to include the completion interval from 4,716 – 4,814 ft. MD (60 net feet) plus another 20 feet of the net permeable MRF formation down to the original gas-water contact (GWC) at 4,837 ft. MD. The net permeable sand within the completion interval is 60 feet based on the petrophysical analysis of the open hole wireline logs (see **EXHIBIT 1**).

The 'air' injection was initiated into the MRF at 13:30:00 on February 14, 2015. As of the date of the FOT, the cumulative 'air' injection was 245.71 mmscf. However, the last time I/W Well 1 was shut-in and the reservoir pressure stabilized was on March 25, 2015. The actual injection time between 3-25-2015 and 4-1-2015 (t_p = 159.0 hours) is used in the pressure transient analysis calculations. During that 159-hour period, a total of 58.1 mmscf of 'air' was injected into the well.

Like the previous FOT in February 2015, the late time pressure behavior for this FOT (after the infinite acting radial period) is characteristic of a radial discontinuity. A radial discontinuity is a change in permeability-thickness, viscosity, and/or porosity-compressibility that occurs at a given radius from a well.

Radial discontinuities are almost always associated with fluid injection. In this case, the 'air' bubble is assumed to be spread radially from the I/W wellbore and the air/water interface appears as a radial discontinuity. The 'air' zone exhibits a relative permeability to gas, gas viscosity, and gas compressibility. The water zone has a relative permeability to water (considering trapped gas), water viscosity and water compressibility. The relative permeability to gas may not equal the relative permeability to water; however, both viscosity and compressibility are significantly different for air versus water. The result is a change in diffusivity (porosity*compressibility/h) and transmissibility (kh/μ) between the two zones which is seen in the current FOT pressure transient behavior.

To validate and estimate the distance to the radial discontinuity, a test simulation was made with the Welltest software using the calculated diagnostic analysis results and a vertical well radial composite model. The results of the simulated test are discussed and presented in Section 6, item 21 below. A very good match of the pressure data was achieved for an effective permeability to 'air' of 238 md and an air/water interface located about 214 feet from the wellbore.

4. COMPARISON TO PREVIOUS FALLOFF TESTS

The current FOT results are compared to previous FOT results in the table below.

Comparison to Previous FOT Results						
Falloff Test Date	**Final Rate**	**Fluid Injectate**	**Estimated Effective Permeability md**	**Effective Thickness Feet**	**Flow Capacity kh, md-ft**	**Skin Factor**
10-28-2014	-15,840 bbl/day	KCL Water	140.0	31	4,340	+0.62
2-17-2015	-2.10 mmscfd	Oxygen-Depleted Air	90.5	60	5,431	-1.45
4-1-2015	-8.52 mmscfd	Oxygen-Depleted Air	238.1	80	19,050	-1.41

The estimated permeability from the current FOT (238 md) is moderately higher than the previous FOT permeability (91 md) and it is a measure of the relative permeability to 'air' within the larger volume 'air' bubble. The higher average permeability is expected because formation permeability is known to increase away from the well based on core data in the offset Piacentine 2-27 well. In addition, sidewall core samples taken in the I/W well (below the completion interval) are increasing with depth: 119.0 md @ 4830', 194.6 md @ 4840', and 1,029.3 md @ 4846'. Finally, the calculated negative skin factor (-1.4) is equal to the negative skin factor determined from the previous FOT in February 2015. The negative skin is likely due to both the large wellbore diameter (17 inches) and the effects of an acid stimulation treatment conducted on 11-26-2014.

5. STATIC FORMATION PRESSURE

The final gauge pressure at the end of the FOT dataset was 2,037.0 psia (08:59:20 4-03-2015), but the pressure was still falling, so an extrapolation, p*, was made to a pressure of 2,025 psia. By comparison, the previous extrapolated p* pressure from the 2-14-2015 FOT was 1,889 psia. The reservoir pressure has increased 136 psi in response to the injected 'air' volume of 245 mmscf. The extrapolated p* pressure is corrected to the top of MRF datum at 4,671' to get the estimated current static reservoir pressure of 2,031 psia.

The table below summarizes the static formation pressure history for the MRF.

MRF Zone Static Pressure History				
Test Date	**Well**	**Cum Air Injection Mmscf**	**Static Formation Pressure, psia @ TVD**	**Comments**
10-07-1985	Moresco Unit A-1	0.0	2,050 @ 4,671'	Discovery 0.439 psi/ft
2-12-2014	Piacentine 1-27	0.0	1,883 @ 4,674'	Static Pressure Hang
10-18-2014	I/W Well 1	0.0	1,895 @ 4,673' 1,894 @ 4,671'	Halliburton RDT tool 0.42 psi/ft correction
10-28-2014	I/W Well 1	0.0	1,992 @ 4,671'	SRT/FOT (supercharge)
2-14-2015	I/W Well 1	0.0	1,887 @ 4,565' 1,893 @ 4,671'	Pre-injection BHP 0.059 psi/ft correction[1]
2-17-2015	I/W Well 1	5.0	1,889 @ 4,565' 1,895 @ 4,671'	p* from FOT 0.059 psi/ft correction[1]
4-1-2015	I/W Well 1	245.7	2,025 @ 4,565' 2,031 @ 4,671'	p* from FOT 0.064 psi/ft correction[1]
[1] Gas gradient for oxygen-depleted air at temperature/pressure conditions (see Section 6, item 19 below)				

A graphic plot of static reservoir pressure versus cumulative injection over time as specified in Part II.B.3.c (ii) of the Permit is provided as **EXHIBIT 2**.

6. FALLOFF TEST INFORMATION REPORT

The information to be provided pursuant to Region 9 FOT Report Requirements found in Appendix E (Section 4.0) of the Permit are discussed below and presented in the referenced exhibits.

1. Company: Pacific Gas & Electric Company
   77 Beale Street
   San Francisco, California 94105

2. Well/Location: Test Injection/Withdrawal Well 1
   King Island Gas Field, San Joaquin County, CA
   Section 27, T3N, R5E, MDB&M

3. Facility Contact: Mike Medeiros
   PG&E Manager Renewable Energy Development
   Phone 415-973-6270

4. Openhole Log: See Platform Express log presented by **EXHIBIT 1**.

5. Well Schematic: A wellbore diagram is given by **EXHIBIT 3**.

6. Fill Depth/Date: The completion method is a gravel packed liner. There was no known fill in the wellbore for the test.

7. Offset Well Information: There are two offset wells, Piacentine 1-27 and Piacentine 2-27, whose bottomhole locations are 180 feet and 360 feet, respectively to the southwest of the I/W Well 1. Only the Piacentine 1-27 well is completed in the same MRF interval as the I/W well. The Piacentine 2-27 is not completed in any zone at this time. **EXHIBIT 4** shows the locations of these two wells with respect to the test well.

8. Daily Testing Activity: See event log in **EXHIBIT 5**.

9. Raw Electronic Data: The raw digital bottomhole pressure dataset is included with the **APPENDIX**.

10. Injection Rate Summary: See **EXHIBIT 6** for the injection rates preceding the FOT. The rate data are submitted electronically in the **APPENDIX**.

11. Offset Well Injection Rates: The offset well, Piacentine 1-27, was shut-in prior to and during the FOT.

12. Analyzed Falloff Data: The filtered pressure transient data analyzed in this report are listed in **EXHIBIT 7**.

13. Pressure/Temperature Gauge Information:

<u>Bottomhole Gauge</u>
Type: Spartek Systems Quartz SPSRO Gauge
Calibration Date: 10-16-2014
Pressure Rating – 0 to 10,000 psi
Pressure Accuracy – 0.02 percent full scale
Pressure Resolution – 0.00006 percent full scale
Drift – Less than 0.02 percent full scale/year
Temperature Accuracy – 0.25 deg C (0.45 deg F)
Temp Resolution – <0.005 deg C (<0.009 deg F)

14. General Test Information: Test Date – April 1-3, 2015
Shut-in Time – 07:02:10 4/01/2015
Shut-in Location – Wellhead
Final Surface Pressure @ Shut-in – 1,789 psia
Final Surface Temperature @ Shut-in – 74.9 deg. F

15. Reservoir Parameters:

See **EXHIBIT 8**
Gas ('air') viscosity – 0.0224 cp
Porosity – 28 percent
Gas compressibility – 4.620 x 10^{-4} psi^{-1}
Formation compressibility – 3.171 x 10^{-6} psi^{-1}
Total compressibility – 3.275 x 10^{-4} psi^{-1}
Gas formation volume factor – 1.457 x 10^{-3} bbl/scf
Extrapolated pressure (p*) – 2,025 psia
Static formation pressure (@ 4,671') – 2,031 psia
Date formation pressure last stabilized – 3/25/2015
Justified interval thickness – 80 feet

The effective thickness is estimated to be the height of the 'air' bubble at and around I/W Well 1. An average porosity of 28 percent was determined from petrophysical log analysis.

The reservoir (formation) compressibility of 3.171x10^{-06} psi^{-1} is determined from correlations based on the formation porosity of 28%. The correlation used in this analysis is applicable to sandstones and it was derived from laboratory measurements by Hall and published in the Transactions, AIME (1953) 198, p. 309.

16. Waste Plume:

Total 'air' injection is 245.71 mmscf. The calculated volumetric radius of the air bubble, assuming a bubble height of 80 feet and an 'air' saturation of 70 percent, is:

$r_{air\ bubble} = [(V_{inj\ scf} \cdot Bg_{cuft/scf})/(\pi \cdot h \cdot Sg \cdot \Phi)]^{1/2}$
$r_{air\ bubble} = [(245{,}710{,}000 \cdot 0.00816)/(\pi \cdot 80 \cdot 0.7 \cdot 0.28)]^{1/2}$
$r_{air\ bubble}$ = 202 feet

The FOT simulation predicts an air/water interface at a radius of 214.6 feet. The volumetric radius of 202 feet is in good agreement with the predicted radius from the FOT simulation. This was not the case for the previous FOT (2-17-2015) conducted after only 5.0 mmscf of 'air' injection (72 feet predicted radius versus 34 feet volumetric radius). The previous FOT occurred after such a small injected 'air' volume that the bubble height was still developing and it may have been less than the

completion interval and not cylindrical in shape. For the current FOT, the bubble height seems to be well defined and constrained between the top of the MRF and the original GWC based on the agreement between the volumetric and FOT bubble radius calculations.

17. Injection Period:

Time of Injection – 23Mar-1Apr2015 (159.0 hours)
Injectate – Oxygen-depleted Air
Test Pump – Compressors

18. Falloff Period:

Shut-in Time – 07:02:10 4/01/2015
End of Test Dataset – 08:59:20 4/03/2015
Total Shut-in Time – 50.0 hours
Final BH Shut-in Pressure – 2,037.0 psia
Final BH Shut-in Temperature – 122.4 deg. F
Time well went on vacuum – not applicable

19. Pressure Gradient:

The pressure gradient at the bottomhole gauge is calculated as follows:
Gas gradient = (0.01875 ▪ SG ▪ p) / (z ▪ T)
Gas gradient = (0.01875 ▪ 0.97 ▪ 2037)/(0.997 ▪ [460+122])
Gas gradient = 0.064 psi/ft

20. Calculated Test Data:

The calculated test data for the FOT are presented by **EXHIBIT 8** and summarized below:
Slope of semi-log plot, m = 0.4277×10^6 psi^2/cp/cycle
Transmissibility = 852,041 md-ft/cp
Flow Capacity = 19,050 md-ft
Permeability = 238.1 md
Skin factor, s = -1.41

The test sequence is presented by **EXHIBIT 9**. As discussed above, the late time pressure falloff data (characterized by the increasing pressure derivative on **EXHIBIT 10**) indicate a radial discontinuity away from the well. This is expected as the injected 'air' had created a large bubble around the wellbore by displacing methane and formation water. To determine the distance to the gas/water interface, a well test simulation was made using the calculated diagnostic analysis results and a radial composite model. The results of the simulated test are discussed in the *Graphs* section below.

21. Graphs:

The Cartesian, log-log, and semi-log plots are presented by **EXHIBITS 9 - 11** for the Diagnostic Analysis. The wellbore storage period (unit slope on log-log diagnostic plot) is very short for the FOT (0.006 hours) and the start of the radial flow regime (flat plateau of pressure derivative function) starts at about 0.10 hours of shut-in time. The radial flow period, used to determine the interval permeability, transmissibility and skin factor, is identified on the 'Typecurve' and semi-log Horner plots in **EXHIBITS 10** and **11,** respectively. The calculated radius of investigation for this test is 2,485 feet.

The final recorded static formation pressure at the end of the FOT dataset is 2,037.0 psia but the pressure is still decreasing. Using the Horner plot, the trend was extrapolated to a Horner false pressure, p*, of 2,025 psia. This extrapolated pressure is used as an estimate of static reservoir pressure. By comparison, the static reservoir pressure measured just prior to the start of 'air' injection was 1,887 psia.

An analytical radial composite model was created (**EXHIBIT 12**) in the Welltest software program assuming a large 'air' bubble located radially around the wellbore (Zone 1) and a water/residual native gas region located radially beyond the 'air' bubble (Zone 2). Based on the core data obtained in the offsetting Piacentine 2-27 well, KH is assumed to be higher in Zone 2 than Zone 1. The Piacentine 2-27 core analysis showed average relative water permeability values of 448 to 807 md in the correlative reservoir sands.

EXHIBITS 13 – 16 present the results of the FOT Test Simulation. There is a good match between the simulated and actual pressure transient data for a calculated radial discontinuity 214 feet from the I/W Well 1. In addition, the composite model simulation predicts an increase in permeability, from 238 md in Zone 1 to 550 md in Zone 2.

22. Radioactive Tracer Run:

Not applicable.

PG&E Test Injection Withdrawal Well 1 - Platform Express Log

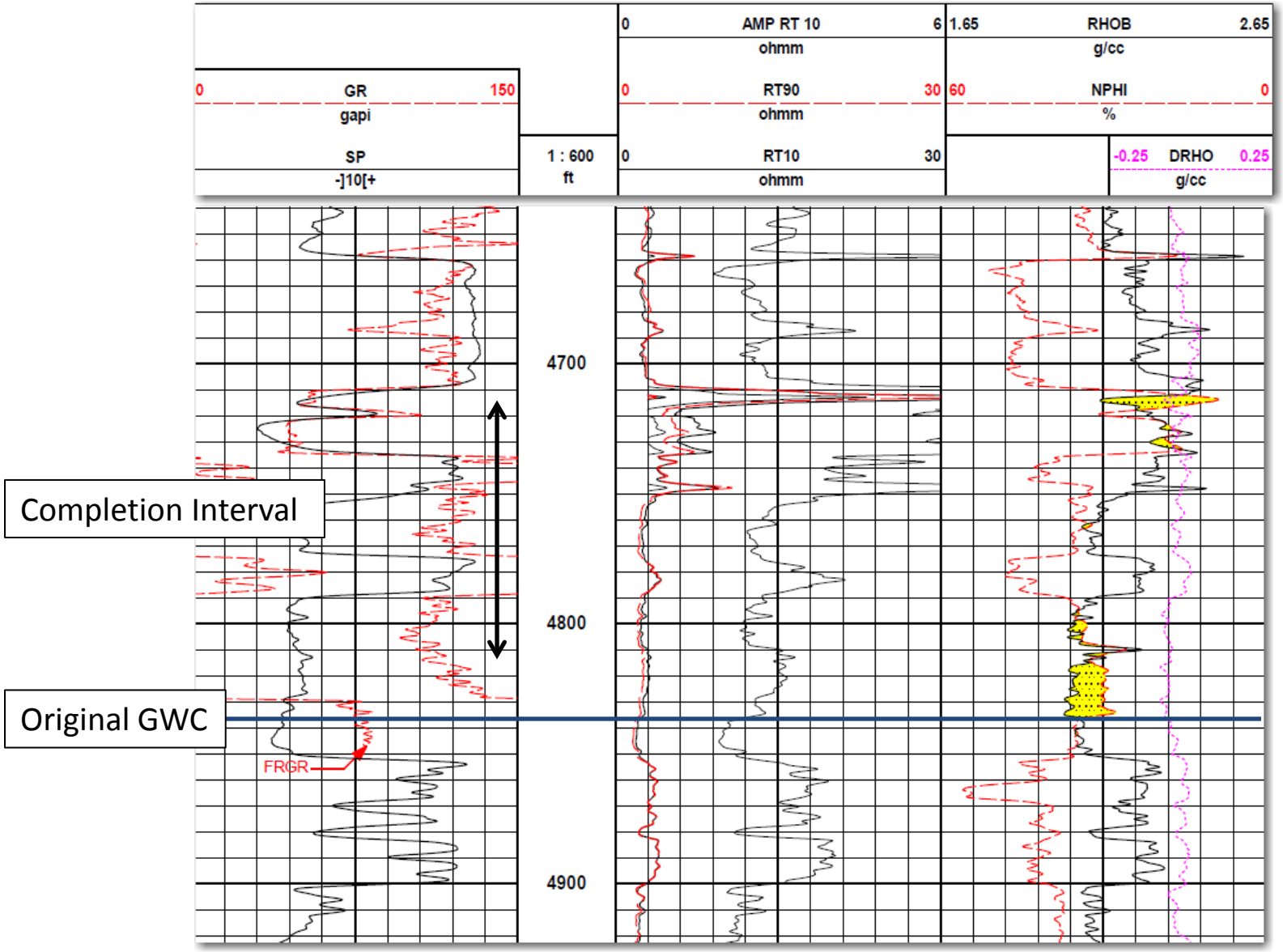


EXHIBIT 1

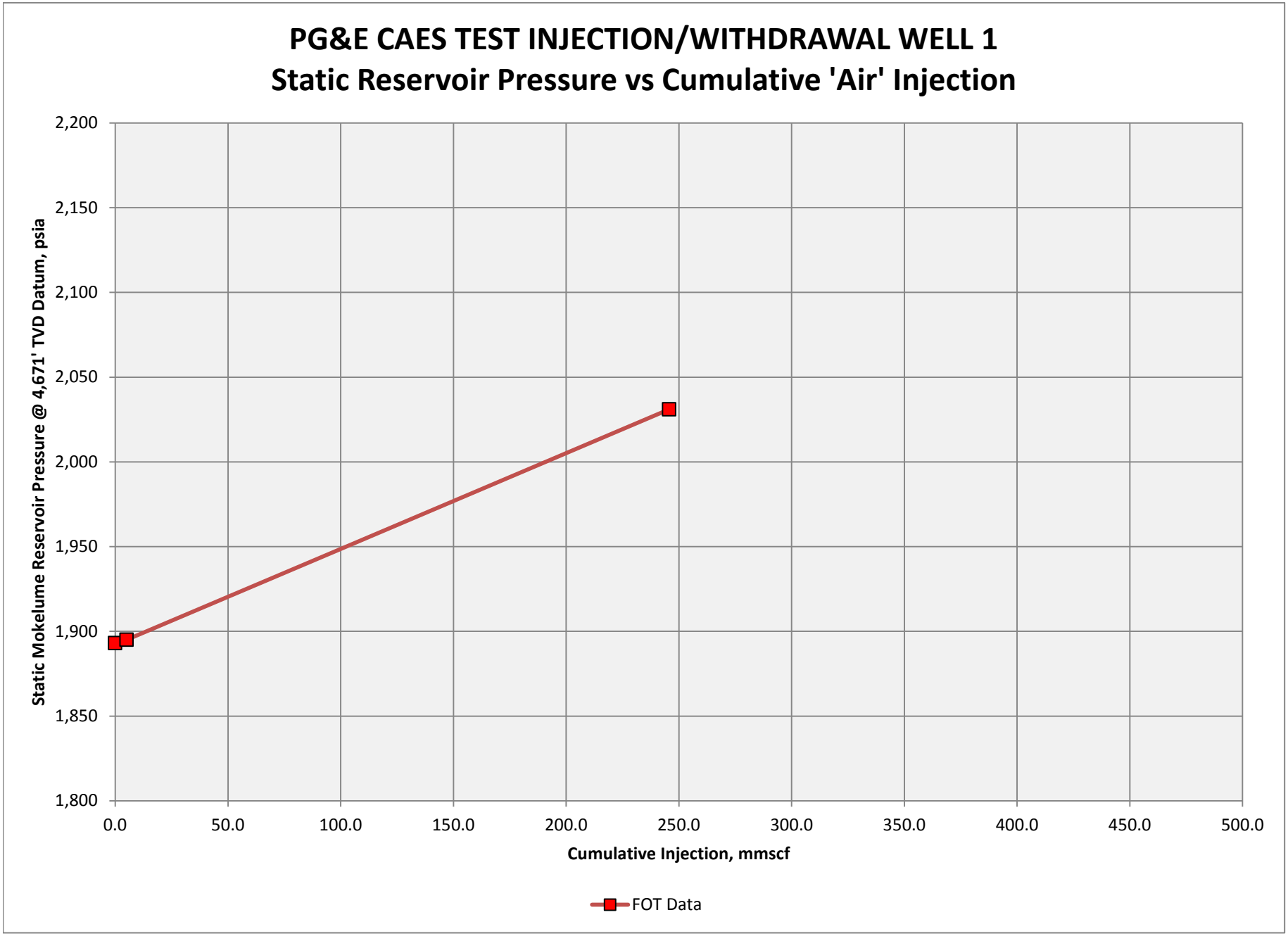
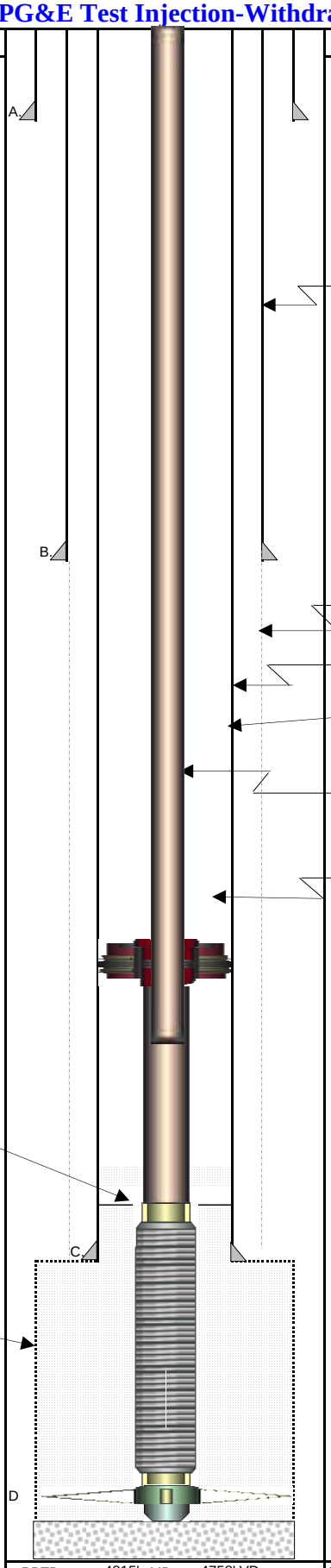

PG&E CAES TEST INJECTION/WITHDRAWAL WELL 1
Static Reservoir Pressure vs Cumulative 'Air' Injection
Static Mokelume Reservoir Pressure @ 4,671' TVD Datum, psia
2,200
2,150
2,100
2,050
2,000
1,950
1,900
1,850
1,800
0.0
50.0
100.0
150.0
200.0
250.0
300.0
350.0
400.0
450.0
500.0
Cumulative Injection, mmscf
FOT Data

EXHIBIT 2

PG&E Test Injection-Withdrawal Well No. 1

COMMENTS



EQUIPMENT DESCRIPTION

20" Casing @ 60' cemented to surface

13-3/8#, 54.5#, J-55 ST&C

13-3/8" Casing @ 630' cemented to Surface

12-1/4" Hole

9-5/8, 40#, J-55 LT&C

Centralizer (typical, see program description)

1. Tubing, 5-1/2", 17#, J-55, LT&C @ 4614'
Including BH pressure gauge . adapter. 1/4" cable is clamped to side of tubing. The annulus is is filled with 4% KCL water with corrosion inhibitor plus biocide. SPSRO down pressure gauge 4610' MD = 4565' VD
2. Baker SC-1 Packer
Top @ 4614' = 4569' VD
3. Upper Extension
4. Sliding Sleeve
5. Seal Bore
6. Lower Extension
7 Blank 5-1/2", 17#, N-80

9-5/8" Casing @ 4,716' MD = 4665' VD
Cemented to surface

8 5-1/2" premium wire wrap screen (6" OD)

9 O-ring seal sub

10 Circ Shoe & Centralizer

11 Bottom of Liner at 4814'MD = 4755' VD

PBTD: 4815' MD 4758' VD

Completed:

File:

#N/A

PG&E
WELL COMPLETION DIAGRAM

FIELD	NA	
WELL #	PG&E Test Injection/Withdrawal Well No. 1	
Ground MSL -(	-3.75	
KB	8.25'	
LOCATION	Sec. 27, T 3N, R 5E, MDB&M	

DIRECTIONAL DATA

MAX ANGLE	20	THRU ZONE	4815'
KOP	3490'	HOLE TYPE	Directional
470:			

SURFACE EQUIPMENT

TREE	5-1/8" 3M
SWAB CAP SIZE & THRD	9" 4P Acme Thread
TOP TREE FLANGE	5-1/8" 3M
TUBING SPOOL FLANGE	11" 3M

TUBING DETAIL

	1st or LS	SS or Btm of Taper
SIZE	5-1/2"	
WEIGHT	17#	
GRADE	J-55	
DEPTH	4614'	
THREAD	LT&C	
NEW/USED	NEW	
COATING	None	
SCSSV	None	
Min. I.D.	4.667"	

	O. D. (in.)	I. D. (in.)	LENGTH (ft)	DESCRIPTION
1.	5-1/2"	4.767"	4614'	5-1/2", 17#, J-55
2.	8.6"	6"	4.56'	Baker SC-1 Packer
3.	7.63"	6.969"	5.99'	7-5/8", 26#.Upper Extension
4.	8.13"	6"	2.12'	Baker Model S Sliding Sleeve
5.	7.63"	6"	1.7'	Baker Seal Bore
6.	7"	6.366"	19.63'	Lower Extension
7.	5.5"	4.892"	38.30'	Blank 5-1/2", 17#, N-80
8.	6"	4.892"	122.68'	51/2" Wire wraped screen
9.	5.5"	3.5"	2.63'	O-ring seal sub
10.	5.5"	N/A	1.9'	shoe
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				

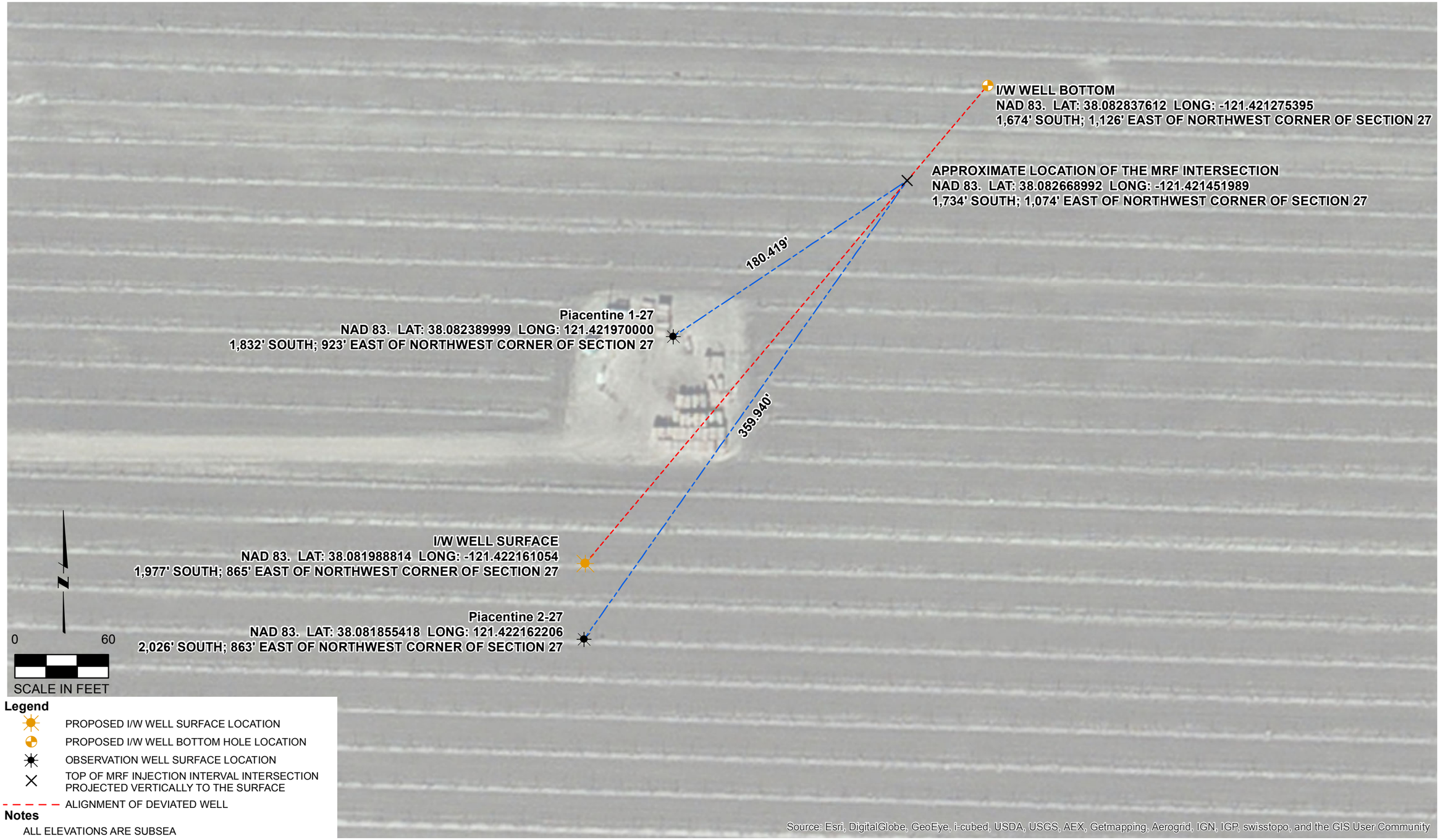
CASING DETAIL

#	SIZE	WGHT	GRADE	THRD	DEPTH
A	20"	53#	NA		0' - 60'
B	13-3/8"	54.5	J-55	LT&C	0' - 630'
C	9-5/8""	40#	J&N	LT&C	0' - 4,716'
D	5-1/2"	17#	N-80	LT&C	4614'-4815'
E	6"	17#	N-80	LT&C	Liner from 4686' to
F					4814'
G					
H					
I					
J					
K					
L					
M					
N					

Prepared By:	Saeed Irani	Date	November 30, 2014
Updated By:	Saeed Irani	Date	November 30, 2014
		Printed on	December 2, 2014

EXHIBIT 3

SECTION 27, TOWNSHIP 3 NORTH, RANGE 5 EAST



Legend

- PROPOSED I/W WELL SURFACE LOCATION
- PROPOSED I/W WELL BOTTOM HOLE LOCATION
- OBSERVATION WELL SURFACE LOCATION
- TOP OF MRF INJECTION INTERVAL INTERSECTION PROJECTED VERTICALLY TO THE SURFACE
- ALIGNMENT OF DEVIATED WELL

Notes

ALL ELEVATIONS ARE SUBSEA

SURFACE AND TOP OF MRF INJECTION INTERVAL COORDINATES ARE THE SAME IN VERTICAL OBSERVATION WELLS

I/W INJECTION/WITHDRAWAL
MRF MOKELUMNE RIVER FORMATION

FIGURE PREPARED BY: JACOBSON, JAMES & ASSOCIATES, INC.

Path: J:\GIS\WP\PGE_CAES\Figure 2 KI Well distances MRF.mxd

Prepared for
PACIFIC GAS AND ELECTRIC COMPANY

PG&E CAES PROJECT
COMPRESSION TESTING I/W WELL UIC APPLICATION
SAN JOAQUIN COUNTY, CALIFORNIA

PROJECT No.	DATE	DRAWN BY	APPR. BY
03.WP.004	09/09/14	DPG	RF

FIGURE 2

I/W AND OBSERVATION WELL COORDINATES SHOWING DISTANCES BETWEEN MRF INJECTION INTERVAL INTERSECTIONS

EXHIBIT 4

EVENT LOG

DATE: 4-1-15	**Time of Shift: 07:00 – 19:00**
BWES Personnel on Shift: **RATTO, CIVIELLO.**	**Generon Personnel on Shift:** **BRENNON, ARON, ARMANDO, JASON, AUSSIE, RICK, CHRIS.**

Summary of Events: **07:00 – Plant – Injection mode.** **Injection flow total – 2,378 MSCF.** **Yesterday's flow total – 8,468 MSCF.** **Withdrawal flow total – 0 MSCF.** **07:01 – Generon shut down all 5 HP's.** **07:02 - Selected plant to Vent mode.** **07:07 - All 5 LP's down.** **07:12 - All remaining ANIP equipment down.** **08:10 - Operations not performing Current or Voltage logs, due to plant being down.** **09:45 - Operations inspected both sample regulators and cleaned them out.** **10:15 - Operations installed Coalescing filters on both sample lines.** **10:45 - Operations repaired the I/A line leak at FBV-001.** **14:00 - Generon signed off on all 5 HP LOTOS.** **14:05 - Generon crew left site for the day.** **18:05 - Operations Tested Area Gas Detectors.**	**Injected for (hh:mm):** **0 HOURS.** **Withdrew for (hh:mm)** **0 HOURS.**

Verify all emergency equipment is functional (i.e. flashlights, etc… other?)	VERIFIED.	
Injection Flow Totalizer (DAS):	Beginning: 2,378 MSCF	End: 2,554 MSCF
Withdrawal Flow Totalizer (DAS):	Beginning: 0 MSCF	End: 0 MSCF
Yesterday Flow Total (DAS):	Beginning: 8,468 MSCF	End: 8,468 MSCF
Water Produced Totalizer	Beginning: 0 GALS.	End: 0 GALS.
I/W Annulus N2 Pressure	Beginning: 98 PSIA	End: 98 PSIA
I/W Wellhead Pressure	Beginning: 1,788 PSIA	End: 1,765 PSIA
Water hauled offsite (gallons):	0 GALS.	

EVENT LOG

Description of Weather: **MORNING – Clear, slightly cool. AFTERNOON – Clear, warm.**
Samples Gathered: None
Issues/Equipment Malfunctions: **>Wellhead: None** **>BOP: None** **>ANIP: None**

DATE	TIME: HR	REPORTED AIR INJ RATE (MMscfd)	SCHEDULE FOR TEST ANALYSIS, MMscfd	REPORTED CUM NET INJ mmscf	REPORTED NET INJ SINCE SHUTIN mmscf	CUM HOUR
3/25/15	11:00	0.0	0.0	187.342	0.000	
3/25/15	12:00	0.0	0.0	187.342	0.000	
3/25/15	13:00	0.0	0.0	187.342	0.000	
3/25/15	14:00	0.0	0.0	187.342	0.000	
3/25/15	15:00	0.0	0.0	187.342	0.000	
3/25/15	16:00	0.0	0.0	187.342	0.000	0
3/25/15	17:00	0.6	2.40	187.369	0.027	1
3/25/15	18:00	2.4	2.40	187.468	0.099	2
3/25/15	19:00	1.9	2.40	187.546	0.079	3
3/25/15	20:00	1.7	2.40	187.617	0.070	4
3/25/15	21:00	5.4	2.40	187.841	0.224	5
3/25/15	22:00	9.4	9.68	188.234	0.393	6
3/25/15	23:00	9.5	9.68	188.628	0.394	7
3/26/15	0:00	9.6	9.68	189.029	0.400	8
3/26/15	1:00	9.6	9.68	189.427	0.399	9
3/26/15	2:00	8.6	9.68	189.784	0.357	10
3/26/15	3:00	9.5	9.68	190.180	0.396	11
3/26/15	4:00	9.9	9.68	190.591	0.411	12
3/26/15	5:00	10.1	9.68	191.010	0.419	13
3/26/15	6:00	10.0	9.68	191.425	0.415	14
3/26/15	7:00	9.8	9.68	191.832	0.407	15
3/26/15	8:00	9.9	9.68	192.243	0.411	16
3/26/15	9:00	9.8	9.68	192.650	0.407	17
3/26/15	10:00	8.9	9.68	193.020	0.370	18
3/26/15	11:00	6.9	9.68	193.307	0.287	19
3/26/15	12:00	9.5	9.68	193.702	0.394	20
3/26/15	13:00	9.4	9.68	194.095	0.393	21
3/26/15	14:00	7.8	9.68	194.419	0.324	22
3/26/15	15:00	8.4	9.68	194.769	0.350	23
3/26/15	16:00	9.4	9.68	195.160	0.391	24
3/26/15	17:00	9.5	9.68	195.557	0.397	25
3/26/15	18:00	9.6	9.68	195.956	0.398	26
3/26/15	19:00	9.6	9.68	196.356	0.400	27
3/26/15	20:00	9.6	9.68	196.757	0.401	28
3/26/15	21:00	9.6	9.68	197.159	0.402	29
3/26/15	22:00	9.7	9.68	197.565	0.406	30
3/26/15	23:00	9.8	9.68	197.972	0.407	31
3/27/15	0:00	9.9	9.68	198.385	0.413	32
3/27/15	1:00	9.9	9.68	198.796	0.411	33
3/27/15	2:00	9.9	9.68	199.209	0.413	34
3/27/15	3:00	9.9	9.68	199.623	0.413	35
3/27/15	4:00	9.9	9.68	200.034	0.411	36
3/27/15	5:00	9.9	9.68	200.447	0.413	37
3/27/15	6:00	9.9	9.68	200.862	0.415	38
3/27/15	7:00	10.0	9.68	201.278	0.416	39
3/27/15	8:00	10.1	9.68	201.697	0.419	40
3/27/15	9:00	10.0	9.68	202.112	0.415	41
3/27/15	10:00	9.9	9.68	202.526	0.414	42
3/27/15	11:00	9.8	9.68	202.936	0.410	43
3/27/15	12:00	9.8	9.68	203.346	0.410	44
3/27/15	13:00	9.7	9.68	203.751	0.405	45
3/27/15	14:00	9.5	9.68	204.146	0.395	46
3/27/15	15:00	9.4	9.68	204.539	0.394	47
3/27/15	16:00	9.5	9.68	204.934	0.394	48
3/27/15	17:00	9.7	9.68	205.337	0.403	49
3/27/15	18:00	9.8	9.68	205.744	0.408	50
3/27/15	19:00	9.8	9.68	206.153	0.408	51
3/27/15	20:00	9.9	9.68	206.564	0.411	52

DATE	TIME: HR	REPORTED AIR INJ RATE (MMscfd)	SCHEDULE FOR TEST ANALYSIS, MMscfd	REPORTED CUM NET INJ mmscf	REPORTED NET INJ SINCE SHUTIN mmscf	CUM HOUR
3/27/15	21:00	9.9	9.68	206.974	0.411	53
3/27/15	22:00	9.9	9.68	207.386	0.412	54
3/27/15	23:00	10.0	9.68	207.801	0.415	55
3/28/15	0:00	10.0	9.68	208.219	0.418	56
3/28/15	1:00	10.1	9.68	208.640	0.421	57
3/28/15	2:00	10.0	9.68	209.057	0.417	58
3/28/15	3:00	10.1	9.68	209.476	0.419	59
3/28/15	4:00	10.1	9.68	209.895	0.419	60
3/28/15	5:00	10.1	9.68	210.314	0.419	61
3/28/15	6:00	10.1	9.68	210.735	0.420	62
3/28/15	7:00	10.1	9.68	211.156	0.422	63
3/28/15	8:00	10.3	9.68	211.587	0.431	64
3/28/15	9:00	10.1	9.68	212.008	0.422	65
3/28/15	10:00	9.9	9.68	212.423	0.414	66
3/28/15	11:00	9.8	9.68	212.829	0.407	67
3/28/15	12:00	10.0	9.68	213.245	0.416	68
3/28/15	13:00	9.8	9.68	213.655	0.410	69
3/28/15	14:00	9.7	9.68	214.060	0.405	70
3/28/15	15:00	9.7	9.68	214.463	0.403	71
3/28/15	16:00	9.7	9.68	214.867	0.404	72
3/28/15	17:00	9.8	9.68	215.276	0.409	73
3/28/15	18:00	9.8	9.68	215.684	0.409	74
3/28/15	19:00	9.9	9.68	216.098	0.414	75
3/28/15	20:00	10.0	9.68	216.514	0.416	76
3/28/15	21:00	9.0	9.68	216.889	0.376	77
3/28/15	22:00	1.5	7.93	216.951	0.061	78
3/28/15	23:00	7.2	7.93	217.253	0.302	79
3/29/15	0:00	8.0	7.93	217.587	0.334	80
3/29/15	1:00	8.0	7.93	217.921	0.334	81
3/29/15	2:00	8.2	7.93	218.261	0.340	82
3/29/15	3:00	8.3	7.93	218.604	0.344	83
3/29/15	4:00	8.3	7.93	218.951	0.346	84
3/29/15	5:00	8.3	7.93	219.298	0.348	85
3/29/15	6:00	8.3	7.93	219.643	0.345	86
3/29/15	7:00	8.3	7.93	219.990	0.347	87
3/29/15	8:00	8.4	7.93	220.338	0.349	88
3/29/15	9:00	8.2	7.93	220.679	0.341	89
3/29/15	10:00	8.0	7.93	221.011	0.332	90
3/29/15	11:00	7.9	7.93	221.341	0.330	91
3/29/15	12:00	7.9	7.93	221.672	0.331	92
3/29/15	13:00	7.9	7.93	222.002	0.330	93
3/29/15	14:00	8.0	7.93	222.335	0.333	94
3/29/15	15:00	8.0	7.93	222.670	0.335	95
3/29/15	16:00	7.9	7.93	223.001	0.331	96
3/29/15	17:00	7.9	7.93	223.331	0.330	97
3/29/15	18:00	7.9	7.93	223.661	0.330	98
3/29/15	19:00	8.0	7.93	223.996	0.335	99
3/29/15	20:00	8.1	7.93	224.335	0.339	100
3/29/15	21:00	8.2	7.93	224.676	0.341	101
3/29/15	22:00	8.2	7.93	225.020	0.344	102
3/29/15	23:00	8.3	7.93	225.365	0.345	103
3/30/15	0:00	8.3	7.93	225.711	0.346	104
3/30/15	1:00	8.2	7.93	226.053	0.342	105
3/30/15	2:00	8.3	7.93	226.397	0.344	106
3/30/15	3:00	8.3	7.93	226.744	0.347	107
3/30/15	4:00	8.4	7.93	227.092	0.349	108
3/30/15	5:00	8.2	7.93	227.434	0.342	109
3/30/15	6:00	8.2	7.93	227.777	0.343	110

DATE	TIME: HR	REPORTED AIR INJ RATE (MMscfd)	SCHEDULE FOR TEST ANALYSIS, MMscfd	REPORTED CUM NET INJ mmscf	REPORTED NET INJ SINCE SHUTIN mmscf	CUM HOUR
3/30/15	7:00	8.3	7.93	228.122	0.345	111
3/30/15	8:00	8.3	7.93	228.467	0.345	112
3/30/15	9:00	8.1	7.93	228.806	0.339	113
3/30/15	10:00	7.4	7.93	229.113	0.307	114
3/30/15	11:00	9.7	9.77	229.517	0.405	115
3/30/15	12:00	9.8	9.77	229.924	0.407	116
3/30/15	13:00	9.8	9.77	230.331	0.407	117
3/30/15	14:00	9.7	9.77	230.736	0.406	118
3/30/15	15:00	9.8	9.77	231.145	0.409	119
3/30/15	16:00	9.7	9.77	231.549	0.404	120
3/30/15	17:00	9.7	9.77	231.952	0.403	121
3/30/15	18:00	9.7	9.77	232.357	0.405	122
3/30/15	19:00	9.9	9.77	232.769	0.412	123
3/30/15	20:00	9.9	9.77	233.183	0.414	124
3/30/15	21:00	10.0	9.77	233.599	0.416	125
3/30/15	22:00	9.6	9.77	233.998	0.399	126
3/30/15	23:00	8.2	8.52	234.340	0.342	127
3/31/15	0:00	8.3	8.52	234.687	0.348	128
3/31/15	1:00	8.5	8.52	235.040	0.353	129
3/31/15	2:00	8.6	8.52	235.400	0.360	130
3/31/15	3:00	8.6	8.52	235.757	0.357	131
3/31/15	4:00	8.6	8.52	236.116	0.359	132
3/31/15	5:00	8.6	8.52	236.476	0.359	133
3/31/15	6:00	8.6	8.52	236.834	0.358	134
3/31/15	7:00	8.5	8.52	237.189	0.355	135
3/31/15	8:00	8.5	8.52	237.543	0.353	136
3/31/15	9:00	8.5	8.52	237.896	0.353	137
3/31/15	10:00	8.5	8.52	238.248	0.353	138
3/31/15	11:00	8.4	8.52	238.596	0.348	139
3/31/15	12:00	8.4	8.52	238.945	0.348	140
3/31/15	13:00	8.3	8.52	239.291	0.346	141
3/31/15	14:00	8.2	8.52	239.635	0.343	142
3/31/15	15:00	8.3	8.52	239.979	0.344	143
3/31/15	16:00	8.3	8.52	240.324	0.345	144
3/31/15	17:00	8.3	8.52	240.670	0.346	145
3/31/15	18:00	8.3	8.52	241.016	0.346	146
3/31/15	19:00	8.4	8.52	241.365	0.349	147
3/31/15	20:00	8.5	8.52	241.718	0.353	148
3/31/15	21:00	8.5	8.52	242.073	0.355	149
3/31/15	22:00	8.6	8.52	242.432	0.358	150
3/31/15	23:00	8.7	8.52	242.793	0.361	151
4/1/15	0:00	8.7	8.52	243.155	0.363	152
4/1/15	1:00	8.7	8.52	243.518	0.363	153
4/1/15	2:00	8.6	8.52	243.878	0.360	154
4/1/15	3:00	8.6	8.52	244.238	0.360	155
4/1/15	4:00	8.8	8.52	244.603	0.365	156
4/1/15	5:00	8.7	8.52	244.967	0.365	157
4/1/15	6:00	8.7	8.52	245.332	0.364	158
4/1/15	7:00	8.8	8.52	245.697	0.365	159
4/1/15	8:00	0.3	0.0	245.709	0.012	160
4/1/15	9:00	0.0	0.0	245.709	-	161
4/1/15	10:00	0.0	0.0	245.709	-	162
TOTAL					58.367	

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Pressure/Production Summary

Pressure Fall-off Test 1Apr2015
Mid-bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,664-4,755' TVD

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1	2015/03/25 16:00:00	0.0000	0.0000		0.000	0.0	0.0	0.0
2	2015/03/25 22:00:00	6.0000	6.0000		-2.400			
3	2015/03/28 22:00:00	78.0000	78.0000		-9.680			
4	2015/03/30 11:00:00	115.0000	115.0000		-7.930			
5	2015/03/30 23:00:00	127.0000	127.0000		-9.770			
6	2015/03/31 10:44:05	138.7347	138.7347	2063.76	-8.520			
7	2015/03/31 11:01:05	139.0181	139.0181	2063.70				
8	2015/03/31 11:18:05	139.3014	139.3014	2063.76				
9	2015/03/31 11:35:05	139.5847	139.5847	2063.88				
10	2015/03/31 11:52:05	139.8681	139.8681	2063.95				
11	2015/03/31 12:09:05	140.1514	140.1514	2063.90				
12	2015/03/31 12:26:06	140.4350	140.4350	2063.89				
13	2015/03/31 12:43:06	140.7183	140.7183	2063.85				
14	2015/03/31 13:00:06	141.0017	141.0017	2063.84				
15	2015/03/31 13:17:05	141.2847	141.2847	2063.88				
16	2015/03/31 13:34:05	141.5681	141.5681	2063.86				
17	2015/03/31 13:51:05	141.8514	141.8514	2063.90				
18	2015/03/31 14:08:05	142.1347	142.1347	2064.00				
19	2015/03/31 14:25:05	142.4181	142.4181	2064.02				
20	2015/03/31 14:42:05	142.7014	142.7014	2063.99				
21	2015/03/31 14:59:05	142.9847	142.9847	2064.02				
22	2015/03/31 15:16:05	143.2681	143.2681	2064.05				
23	2015/03/31 15:33:05	143.5514	143.5514	2064.12				
24	2015/03/31 15:50:05	143.8347	143.8347	2064.20				
25	2015/03/31 16:07:05	144.1181	144.1181	2064.25				
26	2015/03/31 16:24:05	144.4014	144.4014	2064.34				
27	2015/03/31 16:41:05	144.6847	144.6847	2064.23				
28	2015/03/31 16:58:05	144.9681	144.9681	2064.26				
29	2015/03/31 17:15:06	145.2517	145.2517	2064.34				
30	2015/03/31 17:32:06	145.5350	145.5350	2064.34				
31	2015/03/31 17:49:06	145.8183	145.8183	2064.40				
32	2015/03/31 18:06:06	146.1017	146.1017	2064.42				
33	2015/03/31 18:23:05	146.3847	146.3847	2064.48				
34	2015/03/31 18:40:05	146.6681	146.6681	2064.63				
35	2015/03/31 18:57:05	146.9514	146.9514	2064.68				
36	2015/03/31 19:14:05	147.2347	147.2347	2064.77				
37	2015/03/31 19:31:05	147.5181	147.5181	2064.84				
38	2015/03/31 19:48:05	147.8014	147.8014	2064.92				
39	2015/03/31 20:05:05	148.0847	148.0847	2064.91				
40	2015/03/31 20:22:05	148.3681	148.3681	2064.91				
41	2015/03/31 20:39:05	148.6514	148.6514	2065.10				
42	2015/03/31 20:56:05	148.9347	148.9347	2065.19				
43	2015/03/31 21:13:05	149.2181	149.2181	2065.26				
44	2015/03/31 21:30:05	149.5014	149.5014	2065.25				
45	2015/03/31 21:47:05	149.7847	149.7847	2065.31				
46	2015/03/31 22:04:05	150.0681	150.0681	2065.34				
47	2015/03/31 22:21:06	150.3517	150.3517	2065.45				
48	2015/03/31 22:38:06	150.6350	150.6350	2065.56				
49	2015/03/31 22:55:06	150.9183	150.9183	2065.59				
50	2015/03/31 23:12:05	151.2014	151.2014	2065.64				
51	2015/03/31 23:29:05	151.4847	151.4847	2065.73				
52	2015/03/31 23:46:05	151.7681	151.7681	2065.79				
53	2015/04/01 00:03:05	152.0514	152.0514	2065.90				
54	2015/04/01 00:20:05	152.3347	152.3347	2065.89				
55	2015/04/01 00:37:05	152.6181	152.6181	2065.91				
56	2015/04/01 00:54:05	152.9014	152.9014	2065.96				

EXHIBIT 7

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
57	2015/04/01 01:11:05	153.1847	153.1847	2066.02				
58	2015/04/01 01:28:05	153.4681	153.4681	2066.05				
59	2015/04/01 01:45:05	153.7514	153.7514	2066.02				
60	2015/04/01 02:02:05	154.0347	154.0347	2066.09				
61	2015/04/01 02:19:05	154.3181	154.3181	2066.15				
62	2015/04/01 02:36:05	154.6014	154.6014	2066.22				
63	2015/04/01 02:53:05	154.8847	154.8847	2066.24				
64	2015/04/01 03:10:05	155.1681	155.1681	2066.33				
65	2015/04/01 03:27:06	155.4517	155.4517	2066.44				
66	2015/04/01 03:44:06	155.7350	155.7350	2066.49				
67	2015/04/01 04:01:06	156.0183	156.0183	2066.62				
68	2015/04/01 04:18:06	156.3017	156.3017	2066.62				
69	2015/04/01 04:35:05	156.5847	156.5847	2066.63				
70	2015/04/01 04:52:05	156.8681	156.8681	2066.71				
71	2015/04/01 05:09:05	157.1514	157.1514	2066.76				
72	2015/04/01 05:26:05	157.4347	157.4347	2066.78				
73	2015/04/01 05:43:05	157.7181	157.7181	2066.87				
74	2015/04/01 06:00:05	158.0014	158.0014	2066.91				
75	2015/04/01 06:17:05	158.2847	158.2847	2066.93				
76	2015/04/01 06:34:05	158.5681	158.5681	2067.02				
77	2015/04/01 06:51:05	158.8514	158.8514	2067.05				
78	2015/04/01 07:02:10	159.0361	159.0361	2067.11				
79	2015/04/01 07:02:15	159.0375	159.0375	2066.40				
80	2015/04/01 07:02:20	159.0389	159.0389	2064.93	0.000			
81	2015/04/01 07:02:25	159.0403	159.0403	2063.30				
82	2015/04/01 07:02:30	159.0417	159.0417	2063.02				
83	2015/04/01 07:02:35	159.0431	159.0431	2062.34				
84	2015/04/01 07:02:40	159.0444	159.0444	2062.02				
85	2015/04/01 07:02:45	159.0458	159.0458	2061.74				
86	2015/04/01 07:02:50	159.0472	159.0472	2061.70				
87	2015/04/01 07:02:55	159.0486	159.0486	2061.46				
88	2015/04/01 07:03:00	159.0500	159.0500	2061.28				
89	2015/04/01 07:03:05	159.0514	159.0514	2061.29				
90	2015/04/01 07:03:10	159.0528	159.0528	2061.10				
91	2015/04/01 07:03:15	159.0542	159.0542	2061.05				
92	2015/04/01 07:03:20	159.0556	159.0556	2060.96				
93	2015/04/01 07:03:25	159.0569	159.0569	2060.84				
94	2015/04/01 07:03:30	159.0583	159.0583	2060.82				
95	2015/04/01 07:03:35	159.0597	159.0597	2060.77				
96	2015/04/01 07:03:40	159.0611	159.0611	2060.70				
97	2015/04/01 07:03:45	159.0625	159.0625	2060.68				
98	2015/04/01 07:03:50	159.0639	159.0639	2060.59				
99	2015/04/01 07:03:55	159.0653	159.0653	2060.57				
100	2015/04/01 07:04:00	159.0667	159.0667	2060.55				
101	2015/04/01 07:04:05	159.0681	159.0681	2060.54				
102	2015/04/01 07:04:10	159.0694	159.0694	2060.47				
103	2015/04/01 07:04:15	159.0708	159.0708	2060.44				
104	2015/04/01 07:04:20	159.0722	159.0722	2060.42				
105	2015/04/01 07:04:25	159.0736	159.0736	2060.34				
106	2015/04/01 07:04:30	159.0750	159.0750	2060.32				
107	2015/04/01 07:04:35	159.0764	159.0764	2060.28				
108	2015/04/01 07:04:40	159.0778	159.0778	2060.27				
109	2015/04/01 07:04:45	159.0792	159.0792	2060.23				
110	2015/04/01 07:04:50	159.0806	159.0806	2060.25				
111	2015/04/01 07:04:55	159.0819	159.0819	2060.22				
112	2015/04/01 07:05:00	159.0833	159.0833	2060.16				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
113	2015/04/01 07:05:05	159.0847	159.0847	2060.14				
114	2015/04/01 07:05:10	159.0861	159.0861	2060.14				
115	2015/04/01 07:05:15	159.0875	159.0875	2060.14				
116	2015/04/01 07:05:20	159.0889	159.0889	2060.10				
117	2015/04/01 07:05:25	159.0903	159.0903	2060.03				
118	2015/04/01 07:05:30	159.0917	159.0917	2060.05				
119	2015/04/01 07:05:35	159.0931	159.0931	2060.00				
120	2015/04/01 07:05:40	159.0944	159.0944	2060.00				
121	2015/04/01 07:05:45	159.0958	159.0958	2059.97				
122	2015/04/01 07:05:50	159.0972	159.0972	2060.00				
123	2015/04/01 07:05:55	159.0986	159.0986	2059.97				
124	2015/04/01 07:06:00	159.1000	159.1000	2059.93				
125	2015/04/01 07:06:05	159.1014	159.1014	2059.89				
126	2015/04/01 07:06:10	159.1028	159.1028	2059.86				
127	2015/04/01 07:06:15	159.1042	159.1042	2059.86				
128	2015/04/01 07:06:20	159.1056	159.1056	2059.86				
129	2015/04/01 07:06:25	159.1069	159.1069	2059.86				
130	2015/04/01 07:06:30	159.1083	159.1083	2059.80				
131	2015/04/01 07:06:35	159.1097	159.1097	2059.79				
132	2015/04/01 07:06:40	159.1111	159.1111	2059.80				
133	2015/04/01 07:06:45	159.1125	159.1125	2059.75				
134	2015/04/01 07:06:50	159.1139	159.1139	2059.73				
135	2015/04/01 07:06:55	159.1153	159.1153	2059.74				
136	2015/04/01 07:07:00	159.1167	159.1167	2059.73				
137	2015/04/01 07:07:05	159.1181	159.1181	2059.75				
138	2015/04/01 07:07:10	159.1194	159.1194	2059.69				
139	2015/04/01 07:07:15	159.1208	159.1208	2059.66				
140	2015/04/01 07:07:20	159.1222	159.1222	2059.66				
141	2015/04/01 07:07:25	159.1236	159.1236	2059.64				
142	2015/04/01 07:07:30	159.1250	159.1250	2059.64				
143	2015/04/01 07:07:35	159.1264	159.1264	2059.63				
144	2015/04/01 07:07:40	159.1278	159.1278	2059.62				
145	2015/04/01 07:07:45	159.1292	159.1292	2059.59				
146	2015/04/01 07:07:50	159.1306	159.1306	2059.58				
147	2015/04/01 07:07:55	159.1319	159.1319	2059.56				
148	2015/04/01 07:08:00	159.1333	159.1333	2059.59				
149	2015/04/01 07:08:05	159.1347	159.1347	2059.55				
150	2015/04/01 07:08:10	159.1361	159.1361	2059.50				
151	2015/04/01 07:08:15	159.1375	159.1375	2059.50				
152	2015/04/01 07:08:20	159.1389	159.1389	2059.51				
153	2015/04/01 07:08:25	159.1403	159.1403	2059.49				
154	2015/04/01 07:08:30	159.1417	159.1417	2059.49				
155	2015/04/01 07:08:35	159.1431	159.1431	2059.47				
156	2015/04/01 07:08:40	159.1444	159.1444	2059.43				
157	2015/04/01 07:08:45	159.1458	159.1458	2059.41				
158	2015/04/01 07:08:50	159.1472	159.1472	2059.45				
159	2015/04/01 07:08:55	159.1486	159.1486	2059.45				
160	2015/04/01 07:09:00	159.1500	159.1500	2059.38				
161	2015/04/01 07:09:05	159.1514	159.1514	2059.39				
162	2015/04/01 07:09:10	159.1528	159.1528	2059.37				
163	2015/04/01 07:09:15	159.1542	159.1542	2059.37				
164	2015/04/01 07:09:20	159.1556	159.1556	2059.37				
165	2015/04/01 07:09:25	159.1569	159.1569	2059.36				
166	2015/04/01 07:09:30	159.1583	159.1583	2059.34				
167	2015/04/01 07:09:35	159.1597	159.1597	2059.34				
168	2015/04/01 07:09:40	159.1611	159.1611	2059.31				

EXHIBIT 7

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
169	2015/04/01 07:09:45	159.1625	159.1625	2059.30				
170	2015/04/01 07:09:50	159.1639	159.1639	2059.33				
171	2015/04/01 07:09:55	159.1653	159.1653	2059.28				
172	2015/04/01 07:10:00	159.1667	159.1667	2059.31				
173	2015/04/01 07:10:05	159.1681	159.1681	2059.28				
174	2015/04/01 07:10:10	159.1694	159.1694	2059.26				
175	2015/04/01 07:10:15	159.1708	159.1708	2059.28				
176	2015/04/01 07:10:20	159.1722	159.1722	2059.27				
177	2015/04/01 07:10:25	159.1736	159.1736	2059.19				
178	2015/04/01 07:10:30	159.1750	159.1750	2059.20				
179	2015/04/01 07:10:35	159.1764	159.1764	2059.21				
180	2015/04/01 07:10:40	159.1778	159.1778	2059.20				
181	2015/04/01 07:10:45	159.1792	159.1792	2059.18				
182	2015/04/01 07:10:50	159.1806	159.1806	2059.16				
183	2015/04/01 07:10:55	159.1819	159.1819	2059.18				
184	2015/04/01 07:11:00	159.1833	159.1833	2059.18				
185	2015/04/01 07:11:05	159.1847	159.1847	2059.13				
186	2015/04/01 07:11:10	159.1861	159.1861	2059.13				
187	2015/04/01 07:11:15	159.1875	159.1875	2059.14				
188	2015/04/01 07:11:20	159.1889	159.1889	2059.11				
189	2015/04/01 07:11:25	159.1903	159.1903	2059.13				
190	2015/04/01 07:11:30	159.1917	159.1917	2059.10				
191	2015/04/01 07:11:35	159.1931	159.1931	2059.07				
192	2015/04/01 07:11:40	159.1944	159.1944	2059.05				
193	2015/04/01 07:11:45	159.1958	159.1958	2059.06				
194	2015/04/01 07:11:50	159.1972	159.1972	2059.07				
195	2015/04/01 07:11:55	159.1986	159.1986	2059.06				
196	2015/04/01 07:12:00	159.2000	159.2000	2059.04				
197	2015/04/01 07:12:05	159.2014	159.2014	2059.05				
198	2015/04/01 07:12:10	159.2028	159.2028	2059.00				
199	2015/04/01 07:12:15	159.2042	159.2042	2058.99				
200	2015/04/01 07:12:20	159.2056	159.2056	2059.02				
201	2015/04/01 07:12:25	159.2069	159.2069	2059.00				
202	2015/04/01 07:12:30	159.2083	159.2083	2058.99				
203	2015/04/01 07:12:35	159.2097	159.2097	2058.96				
204	2015/04/01 07:12:40	159.2111	159.2111	2058.94				
205	2015/04/01 07:12:45	159.2125	159.2125	2058.95				
206	2015/04/01 07:12:50	159.2139	159.2139	2058.99				
207	2015/04/01 07:12:55	159.2153	159.2153	2058.93				
208	2015/04/01 07:13:00	159.2167	159.2167	2058.89				
209	2015/04/01 07:13:05	159.2181	159.2181	2058.88				
210	2015/04/01 07:13:10	159.2194	159.2194	2058.93				
211	2015/04/01 07:13:15	159.2208	159.2208	2058.91				
212	2015/04/01 07:13:20	159.2222	159.2222	2058.90				
213	2015/04/01 07:13:25	159.2236	159.2236	2058.92				
214	2015/04/01 07:13:30	159.2250	159.2250	2058.89				
215	2015/04/01 07:13:35	159.2264	159.2264	2058.87				
216	2015/04/01 07:13:40	159.2278	159.2278	2058.85				
217	2015/04/01 07:13:45	159.2292	159.2292	2058.88				
218	2015/04/01 07:13:50	159.2306	159.2306	2058.85				
219	2015/04/01 07:13:55	159.2319	159.2319	2058.85				
220	2015/04/01 07:14:00	159.2333	159.2333	2058.82				
221	2015/04/01 07:14:05	159.2347	159.2347	2058.83				
222	2015/04/01 07:14:10	159.2361	159.2361	2058.84				
223	2015/04/01 07:14:15	159.2375	159.2375	2058.82				
224	2015/04/01 07:14:20	159.2389	159.2389	2058.79				

EXHIBIT 7

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
225	2015/04/01 07:14:25	159.2403	159.2403	2058.76				
226	2015/04/01 07:14:30	159.2417	159.2417	2058.79				
227	2015/04/01 07:14:35	159.2431	159.2431	2058.78				
228	2015/04/01 07:14:40	159.2444	159.2444	2058.77				
229	2015/04/01 07:14:45	159.2458	159.2458	2058.74				
230	2015/04/01 07:14:50	159.2472	159.2472	2058.76				
231	2015/04/01 07:14:55	159.2486	159.2486	2058.71				
232	2015/04/01 07:15:00	159.2500	159.2500	2058.71				
233	2015/04/01 07:15:05	159.2514	159.2514	2058.75				
234	2015/04/01 07:15:10	159.2528	159.2528	2058.71				
235	2015/04/01 07:15:15	159.2542	159.2542	2058.71				
236	2015/04/01 07:15:20	159.2556	159.2556	2058.67				
237	2015/04/01 07:15:25	159.2569	159.2569	2058.69				
238	2015/04/01 07:15:30	159.2583	159.2583	2058.70				
239	2015/04/01 07:15:35	159.2597	159.2597	2058.66				
240	2015/04/01 07:15:40	159.2611	159.2611	2058.66				
241	2015/04/01 07:15:45	159.2625	159.2625	2058.67				
242	2015/04/01 07:15:50	159.2639	159.2639	2058.67				
243	2015/04/01 07:15:55	159.2653	159.2653	2058.67				
244	2015/04/01 07:16:00	159.2667	159.2667	2058.60				
245	2015/04/01 07:16:05	159.2681	159.2681	2058.61				
246	2015/04/01 07:16:10	159.2694	159.2694	2058.62				
247	2015/04/01 07:16:15	159.2708	159.2708	2058.60				
248	2015/04/01 07:16:20	159.2722	159.2722	2058.59				
249	2015/04/01 07:16:25	159.2736	159.2736	2058.57				
250	2015/04/01 07:16:30	159.2750	159.2750	2058.58				
251	2015/04/01 07:16:35	159.2764	159.2764	2058.54				
252	2015/04/01 07:16:40	159.2778	159.2778	2058.58				
253	2015/04/01 07:16:45	159.2792	159.2792	2058.56				
254	2015/04/01 07:16:50	159.2806	159.2806	2058.56				
255	2015/04/01 07:16:55	159.2819	159.2819	2058.53				
256	2015/04/01 07:17:00	159.2833	159.2833	2058.53				
257	2015/04/01 07:17:05	159.2847	159.2847	2058.51				
258	2015/04/01 07:17:10	159.2861	159.2861	2058.54				
259	2015/04/01 07:17:15	159.2875	159.2875	2058.51				
260	2015/04/01 07:17:20	159.2889	159.2889	2058.52				
261	2015/04/01 07:17:25	159.2903	159.2903	2058.46				
262	2015/04/01 07:17:30	159.2917	159.2917	2058.48				
263	2015/04/01 07:17:35	159.2931	159.2931	2058.47				
264	2015/04/01 07:17:40	159.2944	159.2944	2058.47				
265	2015/04/01 07:17:45	159.2958	159.2958	2058.49				
266	2015/04/01 07:17:50	159.2972	159.2972	2058.48				
267	2015/04/01 07:17:55	159.2986	159.2986	2058.47				
268	2015/04/01 07:18:00	159.3000	159.3000	2058.44				
269	2015/04/01 07:18:05	159.3014	159.3014	2058.46				
270	2015/04/01 07:18:10	159.3028	159.3028	2058.41				
271	2015/04/01 07:18:15	159.3042	159.3042	2058.44				
272	2015/04/01 07:18:20	159.3056	159.3056	2058.40				
273	2015/04/01 07:18:25	159.3069	159.3069	2058.40				
274	2015/04/01 07:18:30	159.3083	159.3083	2058.39				
275	2015/04/01 07:18:35	159.3097	159.3097	2058.38				
276	2015/04/01 07:18:40	159.3111	159.3111	2058.39				
277	2015/04/01 07:18:45	159.3125	159.3125	2058.39				
278	2015/04/01 07:18:50	159.3139	159.3139	2058.37				
279	2015/04/01 07:18:55	159.3153	159.3153	2058.36				
280	2015/04/01 07:19:00	159.3167	159.3167	2058.38				

EXHIBIT 7

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
281	2015/04/01 07:19:05	159.3181	159.3181	2058.34				
282	2015/04/01 07:19:10	159.3194	159.3194	2058.35				
283	2015/04/01 07:19:15	159.3208	159.3208	2058.34				
284	2015/04/01 07:19:20	159.3222	159.3222	2058.34				
285	2015/04/01 07:19:25	159.3236	159.3236	2058.30				
286	2015/04/01 07:19:30	159.3250	159.3250	2058.34				
287	2015/04/01 07:19:35	159.3264	159.3264	2058.36				
288	2015/04/01 07:19:40	159.3278	159.3278	2058.29				
289	2015/04/01 07:19:45	159.3292	159.3292	2058.29				
290	2015/04/01 07:19:50	159.3306	159.3306	2058.29				
291	2015/04/01 07:19:55	159.3319	159.3319	2058.28				
292	2015/04/01 07:20:00	159.3333	159.3333	2058.27				
293	2015/04/01 07:20:05	159.3347	159.3347	2058.29				
294	2015/04/01 07:20:10	159.3361	159.3361	2058.24				
295	2015/04/01 07:20:15	159.3375	159.3375	2058.26				
296	2015/04/01 07:20:20	159.3389	159.3389	2058.27				
297	2015/04/01 07:20:25	159.3403	159.3403	2058.25				
298	2015/04/01 07:20:30	159.3417	159.3417	2058.25				
299	2015/04/01 07:20:35	159.3431	159.3431	2058.23				
300	2015/04/01 07:20:40	159.3444	159.3444	2058.23				
301	2015/04/01 07:20:45	159.3458	159.3458	2058.26				
302	2015/04/01 07:20:50	159.3472	159.3472	2058.25				
303	2015/04/01 07:20:55	159.3486	159.3486	2058.19				
304	2015/04/01 07:21:00	159.3500	159.3500	2058.23				
305	2015/04/01 07:21:10	159.3528	159.3528	2058.22				
306	2015/04/01 07:21:15	159.3542	159.3542	2058.18				
307	2015/04/01 07:21:20	159.3556	159.3556	2058.22				
308	2015/04/01 07:21:25	159.3569	159.3569	2058.16				
309	2015/04/01 07:21:30	159.3583	159.3583	2058.19				
310	2015/04/01 07:21:35	159.3597	159.3597	2058.17				
311	2015/04/01 07:21:40	159.3611	159.3611	2058.20				
312	2015/04/01 07:21:45	159.3625	159.3625	2058.14				
313	2015/04/01 07:21:50	159.3639	159.3639	2058.17				
314	2015/04/01 07:21:55	159.3653	159.3653	2058.15				
315	2015/04/01 07:22:00	159.3667	159.3667	2058.14				
316	2015/04/01 07:22:05	159.3681	159.3681	2058.10				
317	2015/04/01 07:22:10	159.3694	159.3694	2058.14				
318	2015/04/01 07:22:20	159.3722	159.3722	2058.09				
319	2015/04/01 07:22:25	159.3736	159.3736	2058.09				
320	2015/04/01 07:22:30	159.3750	159.3750	2058.13				
321	2015/04/01 07:22:35	159.3764	159.3764	2058.10				
322	2015/04/01 07:22:40	159.3778	159.3778	2058.11				
323	2015/04/01 07:22:45	159.3792	159.3792	2058.08				
324	2015/04/01 07:22:50	159.3806	159.3806	2058.09				
325	2015/04/01 07:23:00	159.3833	159.3833	2058.09				
326	2015/04/01 07:23:05	159.3847	159.3847	2058.06				
327	2015/04/01 07:23:10	159.3861	159.3861	2058.06				
328	2015/04/01 07:23:15	159.3875	159.3875	2058.06				
329	2015/04/01 07:23:20	159.3889	159.3889	2058.05				
330	2015/04/01 07:23:25	159.3903	159.3903	2058.02				
331	2015/04/01 07:23:35	159.3931	159.3931	2058.02				
332	2015/04/01 07:23:40	159.3944	159.3944	2058.04				
333	2015/04/01 07:23:45	159.3958	159.3958	2057.99				
334	2015/04/01 07:23:50	159.3972	159.3972	2058.00				
335	2015/04/01 07:23:55	159.3986	159.3986	2058.01				
336	2015/04/01 07:24:05	159.4014	159.4014	2058.01				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
337	2015/04/01 07:24:10	159.4028	159.4028	2057.98				
338	2015/04/01 07:24:15	159.4042	159.4042	2057.95				
339	2015/04/01 07:24:20	159.4056	159.4056	2057.97				
340	2015/04/01 07:24:25	159.4069	159.4069	2057.98				
341	2015/04/01 07:24:35	159.4097	159.4097	2057.94				
342	2015/04/01 07:24:40	159.4111	159.4111	2057.93				
343	2015/04/01 07:24:45	159.4125	159.4125	2057.95				
344	2015/04/01 07:24:50	159.4139	159.4139	2057.92				
345	2015/04/01 07:25:00	159.4167	159.4167	2057.93				
346	2015/04/01 07:25:05	159.4181	159.4181	2057.93				
347	2015/04/01 07:25:10	159.4194	159.4194	2057.92				
348	2015/04/01 07:25:15	159.4208	159.4208	2057.93				
349	2015/04/01 07:25:25	159.4236	159.4236	2057.90				
350	2015/04/01 07:25:30	159.4250	159.4250	2057.91				
351	2015/04/01 07:25:35	159.4264	159.4264	2057.91				
352	2015/04/01 07:25:45	159.4292	159.4292	2057.93				
353	2015/04/01 07:25:50	159.4306	159.4306	2057.88				
354	2015/04/01 07:25:55	159.4319	159.4319	2057.87				
355	2015/04/01 07:26:05	159.4347	159.4347	2057.85				
356	2015/04/01 07:26:10	159.4361	159.4361	2057.84				
357	2015/04/01 07:26:15	159.4375	159.4375	2057.83				
358	2015/04/01 07:26:25	159.4403	159.4403	2057.85				
359	2015/04/01 07:26:30	159.4417	159.4417	2057.84				
360	2015/04/01 07:26:35	159.4431	159.4431	2057.83				
361	2015/04/01 07:26:45	159.4458	159.4458	2057.80				
362	2015/04/01 07:26:50	159.4472	159.4472	2057.81				
363	2015/04/01 07:26:55	159.4486	159.4486	2057.82				
364	2015/04/01 07:27:05	159.4514	159.4514	2057.81				
365	2015/04/01 07:27:10	159.4528	159.4528	2057.77				
366	2015/04/01 07:27:15	159.4542	159.4542	2057.79				
367	2015/04/01 07:27:25	159.4569	159.4569	2057.80				
368	2015/04/01 07:27:30	159.4583	159.4583	2057.77				
369	2015/04/01 07:27:40	159.4611	159.4611	2057.75				
370	2015/04/01 07:27:45	159.4625	159.4625	2057.79				
371	2015/04/01 07:27:55	159.4653	159.4653	2057.78				
372	2015/04/01 07:28:00	159.4667	159.4667	2057.76				
373	2015/04/01 07:28:05	159.4681	159.4681	2057.76				
374	2015/04/01 07:28:15	159.4708	159.4708	2057.72				
375	2015/04/01 07:28:20	159.4722	159.4722	2057.74				
376	2015/04/01 07:28:30	159.4750	159.4750	2057.71				
377	2015/04/01 07:28:35	159.4764	159.4764	2057.70				
378	2015/04/01 07:28:45	159.4792	159.4792	2057.67				
379	2015/04/01 07:28:50	159.4806	159.4806	2057.71				
380	2015/04/01 07:29:00	159.4833	159.4833	2057.66				
381	2015/04/01 07:29:05	159.4847	159.4847	2057.66				
382	2015/04/01 07:29:15	159.4875	159.4875	2057.69				
383	2015/04/01 07:29:20	159.4889	159.4889	2057.67				
384	2015/04/01 07:29:30	159.4917	159.4917	2057.66				
385	2015/04/01 07:29:35	159.4931	159.4931	2057.65				
386	2015/04/01 07:29:45	159.4958	159.4958	2057.64				
387	2015/04/01 07:29:50	159.4972	159.4972	2057.62				
388	2015/04/01 07:30:00	159.5000	159.5000	2057.61				
389	2015/04/01 07:30:05	159.5014	159.5014	2057.61				
390	2015/04/01 07:30:15	159.5042	159.5042	2057.60				
391	2015/04/01 07:30:20	159.5056	159.5056	2057.63				
392	2015/04/01 07:30:30	159.5083	159.5083	2057.64				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
393	2015/04/01 07:30:35	159.5097	159.5097	2057.58				
394	2015/04/01 07:30:45	159.5125	159.5125	2057.57				
395	2015/04/01 07:30:55	159.5153	159.5153	2057.59				
396	2015/04/01 07:31:00	159.5167	159.5167	2057.57				
397	2015/04/01 07:31:10	159.5194	159.5194	2057.57				
398	2015/04/01 07:31:15	159.5208	159.5208	2057.52				
399	2015/04/01 07:31:25	159.5236	159.5236	2057.55				
400	2015/04/01 07:31:35	159.5264	159.5264	2057.52				
401	2015/04/01 07:31:40	159.5278	159.5278	2057.53				
402	2015/04/01 07:31:50	159.5306	159.5306	2057.55				
403	2015/04/01 07:32:00	159.5333	159.5333	2057.50				
404	2015/04/01 07:32:05	159.5347	159.5347	2057.52				
405	2015/04/01 07:32:15	159.5375	159.5375	2057.50				
406	2015/04/01 07:32:25	159.5403	159.5403	2057.51				
407	2015/04/01 07:32:30	159.5417	159.5417	2057.45				
408	2015/04/01 07:32:40	159.5444	159.5444	2057.49				
409	2015/04/01 07:32:50	159.5472	159.5472	2057.44				
410	2015/04/01 07:32:55	159.5486	159.5486	2057.45				
411	2015/04/01 07:33:05	159.5514	159.5514	2057.45				
412	2015/04/01 07:33:15	159.5542	159.5542	2057.45				
413	2015/04/01 07:33:20	159.5556	159.5556	2057.40				
414	2015/04/01 07:33:30	159.5583	159.5583	2057.40				
415	2015/04/01 07:33:40	159.5611	159.5611	2057.39				
416	2015/04/01 07:33:50	159.5639	159.5639	2057.40				
417	2015/04/01 07:33:55	159.5653	159.5653	2057.42				
418	2015/04/01 07:34:05	159.5681	159.5681	2057.40				
419	2015/04/01 07:34:15	159.5708	159.5708	2057.35				
420	2015/04/01 07:34:25	159.5736	159.5736	2057.37				
421	2015/04/01 07:34:35	159.5764	159.5764	2057.37				
422	2015/04/01 07:34:40	159.5778	159.5778	2057.32				
423	2015/04/01 07:34:50	159.5806	159.5806	2057.33				
424	2015/04/01 07:35:00	159.5833	159.5833	2057.34				
425	2015/04/01 07:35:10	159.5861	159.5861	2057.32				
426	2015/04/01 07:35:20	159.5889	159.5889	2057.32				
427	2015/04/01 07:35:25	159.5903	159.5903	2057.29				
428	2015/04/01 07:35:35	159.5931	159.5931	2057.32				
429	2015/04/01 07:35:45	159.5958	159.5958	2057.25				
430	2015/04/01 07:35:55	159.5986	159.5986	2057.27				
431	2015/04/01 07:36:05	159.6014	159.6014	2057.30				
432	2015/04/01 07:36:15	159.6042	159.6042	2057.26				
433	2015/04/01 07:36:25	159.6069	159.6069	2057.27				
434	2015/04/01 07:36:35	159.6097	159.6097	2057.26				
435	2015/04/01 07:36:40	159.6111	159.6111	2057.25				
436	2015/04/01 07:36:50	159.6139	159.6139	2057.26				
437	2015/04/01 07:37:00	159.6167	159.6167	2057.22				
438	2015/04/01 07:37:10	159.6194	159.6194	2057.22				
439	2015/04/01 07:37:20	159.6222	159.6222	2057.22				
440	2015/04/01 07:37:30	159.6250	159.6250	2057.18				
441	2015/04/01 07:37:40	159.6278	159.6278	2057.22				
442	2015/04/01 07:37:50	159.6306	159.6306	2057.21				
443	2015/04/01 07:38:00	159.6333	159.6333	2057.20				
444	2015/04/01 07:38:10	159.6361	159.6361	2057.19				
445	2015/04/01 07:38:20	159.6389	159.6389	2057.16				
446	2015/04/01 07:38:30	159.6417	159.6417	2057.18				
447	2015/04/01 07:38:40	159.6444	159.6444	2057.13				
448	2015/04/01 07:38:50	159.6472	159.6472	2057.12				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
449	2015/04/01 07:39:00	159.6500	159.6500	2057.16				
450	2015/04/01 07:39:10	159.6528	159.6528	2057.12				
451	2015/04/01 07:39:20	159.6556	159.6556	2057.13				
452	2015/04/01 07:39:30	159.6583	159.6583	2057.12				
453	2015/04/01 07:39:40	159.6611	159.6611	2057.11				
454	2015/04/01 07:39:50	159.6639	159.6639	2057.10				
455	2015/04/01 07:40:00	159.6667	159.6667	2057.07				
456	2015/04/01 07:40:15	159.6708	159.6708	2057.09				
457	2015/04/01 07:40:25	159.6736	159.6736	2057.08				
458	2015/04/01 07:40:35	159.6764	159.6764	2057.05				
459	2015/04/01 07:40:45	159.6792	159.6792	2057.02				
460	2015/04/01 07:40:55	159.6819	159.6819	2057.04				
461	2015/04/01 07:41:05	159.6847	159.6847	2057.05				
462	2015/04/01 07:41:15	159.6875	159.6875	2057.01				
463	2015/04/01 07:41:30	159.6917	159.6917	2056.99				
464	2015/04/01 07:41:40	159.6944	159.6944	2057.02				
465	2015/04/01 07:41:50	159.6972	159.6972	2057.02				
466	2015/04/01 07:42:00	159.7000	159.7000	2056.97				
467	2015/04/01 07:42:10	159.7028	159.7028	2056.98				
468	2015/04/01 07:42:25	159.7069	159.7069	2056.98				
469	2015/04/01 07:42:35	159.7097	159.7097	2056.98				
470	2015/04/01 07:42:45	159.7125	159.7125	2056.95				
471	2015/04/01 07:42:55	159.7153	159.7153	2056.94				
472	2015/04/01 07:43:10	159.7194	159.7194	2056.94				
473	2015/04/01 07:43:20	159.7222	159.7222	2056.91				
474	2015/04/01 07:43:30	159.7250	159.7250	2056.95				
475	2015/04/01 07:43:40	159.7278	159.7278	2056.93				
476	2015/04/01 07:43:55	159.7319	159.7319	2056.92				
477	2015/04/01 07:44:05	159.7347	159.7347	2056.90				
478	2015/04/01 07:44:15	159.7375	159.7375	2056.90				
479	2015/04/01 07:44:30	159.7417	159.7417	2056.88				
480	2015/04/01 07:44:40	159.7444	159.7444	2056.84				
481	2015/04/01 07:44:50	159.7472	159.7472	2056.87				
482	2015/04/01 07:45:05	159.7514	159.7514	2056.85				
483	2015/04/01 07:45:15	159.7542	159.7542	2056.87				
484	2015/04/01 07:45:25	159.7569	159.7569	2056.83				
485	2015/04/01 07:45:40	159.7611	159.7611	2056.84				
486	2015/04/01 07:45:50	159.7639	159.7639	2056.77				
487	2015/04/01 07:46:05	159.7681	159.7681	2056.82				
488	2015/04/01 07:46:15	159.7708	159.7708	2056.80				
489	2015/04/01 07:46:30	159.7750	159.7750	2056.79				
490	2015/04/01 07:46:40	159.7778	159.7778	2056.77				
491	2015/04/01 07:46:55	159.7819	159.7819	2056.73				
492	2015/04/01 07:47:05	159.7847	159.7847	2056.75				
493	2015/04/01 07:47:20	159.7889	159.7889	2056.76				
494	2015/04/01 07:47:30	159.7917	159.7917	2056.76				
495	2015/04/01 07:47:45	159.7958	159.7958	2056.75				
496	2015/04/01 07:47:55	159.7986	159.7986	2056.73				
497	2015/04/01 07:48:10	159.8028	159.8028	2056.75				
498	2015/04/01 07:48:20	159.8056	159.8056	2056.70				
499	2015/04/01 07:48:35	159.8097	159.8097	2056.72				
500	2015/04/01 07:48:45	159.8125	159.8125	2056.68				
501	2015/04/01 07:49:00	159.8167	159.8167	2056.72				
502	2015/04/01 07:49:10	159.8194	159.8194	2056.70				
503	2015/04/01 07:49:25	159.8236	159.8236	2056.66				
504	2015/04/01 07:49:40	159.8278	159.8278	2056.69				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
505	2015/04/01 07:49:50	159.8306	159.8306	2056.64				
506	2015/04/01 07:50:05	159.8347	159.8347	2056.64				
507	2015/04/01 07:50:20	159.8389	159.8389	2056.68				
508	2015/04/01 07:50:30	159.8417	159.8417	2056.67				
509	2015/04/01 07:50:45	159.8458	159.8458	2056.58				
510	2015/04/01 07:51:00	159.8500	159.8500	2056.64				
511	2015/04/01 07:51:10	159.8528	159.8528	2056.62				
512	2015/04/01 07:51:25	159.8569	159.8569	2056.62				
513	2015/04/01 07:51:40	159.8611	159.8611	2056.56				
514	2015/04/01 07:51:55	159.8653	159.8653	2056.61				
515	2015/04/01 07:52:05	159.8681	159.8681	2056.58				
516	2015/04/01 07:52:20	159.8722	159.8722	2056.57				
517	2015/04/01 07:52:35	159.8764	159.8764	2056.56				
518	2015/04/01 07:52:50	159.8806	159.8806	2056.52				
519	2015/04/01 07:53:00	159.8833	159.8833	2056.56				
520	2015/04/01 07:53:15	159.8875	159.8875	2056.56				
521	2015/04/01 07:53:30	159.8917	159.8917	2056.58				
522	2015/04/01 07:53:45	159.8958	159.8958	2056.52				
523	2015/04/01 07:54:00	159.9000	159.9000	2056.46				
524	2015/04/01 07:54:15	159.9042	159.9042	2056.51				
525	2015/04/01 07:54:30	159.9083	159.9083	2056.46				
526	2015/04/01 07:54:40	159.9111	159.9111	2056.45				
527	2015/04/01 07:54:55	159.9153	159.9153	2056.49				
528	2015/04/01 07:55:10	159.9194	159.9194	2056.44				
529	2015/04/01 07:55:25	159.9236	159.9236	2056.41				
530	2015/04/01 07:55:40	159.9278	159.9278	2056.45				
531	2015/04/01 07:55:55	159.9319	159.9319	2056.43				
532	2015/04/01 07:56:10	159.9361	159.9361	2056.41				
533	2015/04/01 07:56:25	159.9403	159.9403	2056.39				
534	2015/04/01 07:56:40	159.9444	159.9444	2056.40				
535	2015/04/01 07:56:55	159.9486	159.9486	2056.40				
536	2015/04/01 07:57:10	159.9528	159.9528	2056.39				
537	2015/04/01 07:57:25	159.9569	159.9569	2056.37				
538	2015/04/01 07:57:40	159.9611	159.9611	2056.34				
539	2015/04/01 07:57:55	159.9653	159.9653	2056.37				
540	2015/04/01 07:58:10	159.9694	159.9694	2056.30				
541	2015/04/01 07:58:30	159.9750	159.9750	2056.32				
542	2015/04/01 07:58:45	159.9792	159.9792	2056.32				
543	2015/04/01 07:59:00	159.9833	159.9833	2056.31				
544	2015/04/01 07:59:15	159.9875	159.9875	2056.30				
545	2015/04/01 07:59:30	159.9917	159.9917	2056.28				
546	2015/04/01 07:59:45	159.9958	159.9958	2056.26				
547	2015/04/01 08:00:05	160.0014	160.0014	2056.26				
548	2015/04/01 08:00:20	160.0056	160.0056	2056.24				
549	2015/04/01 08:00:35	160.0097	160.0097	2056.25				
550	2015/04/01 08:00:50	160.0139	160.0139	2056.24				
551	2015/04/01 08:01:05	160.0181	160.0181	2056.24				
552	2015/04/01 08:01:25	160.0236	160.0236	2056.23				
553	2015/04/01 08:01:40	160.0278	160.0278	2056.22				
554	2015/04/01 08:01:55	160.0319	160.0319	2056.21				
555	2015/04/01 08:02:15	160.0375	160.0375	2056.21				
556	2015/04/01 08:02:30	160.0417	160.0417	2056.18				
557	2015/04/01 08:02:45	160.0458	160.0458	2056.16				
558	2015/04/01 08:03:05	160.0514	160.0514	2056.16				
559	2015/04/01 08:03:20	160.0556	160.0556	2056.13				
560	2015/04/01 08:03:35	160.0597	160.0597	2056.17				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
561	2015/04/01 08:03:55	160.0653	160.0653	2056.16				
562	2015/04/01 08:04:10	160.0694	160.0694	2056.13				
563	2015/04/01 08:04:30	160.0750	160.0750	2056.08				
564	2015/04/01 08:04:45	160.0792	160.0792	2056.11				
565	2015/04/01 08:05:05	160.0847	160.0847	2056.09				
566	2015/04/01 08:05:20	160.0889	160.0889	2056.08				
567	2015/04/01 08:05:40	160.0944	160.0944	2056.06				
568	2015/04/01 08:05:55	160.0986	160.0986	2056.07				
569	2015/04/01 08:06:15	160.1042	160.1042	2056.03				
570	2015/04/01 08:06:30	160.1083	160.1083	2056.02				
571	2015/04/01 08:06:50	160.1139	160.1139	2056.01				
572	2015/04/01 08:07:05	160.1181	160.1181	2056.00				
573	2015/04/01 08:07:25	160.1236	160.1236	2056.02				
574	2015/04/01 08:07:45	160.1292	160.1292	2056.04				
575	2015/04/01 08:08:00	160.1333	160.1333	2055.98				
576	2015/04/01 08:08:20	160.1389	160.1389	2056.01				
577	2015/04/01 08:08:35	160.1431	160.1431	2055.97				
578	2015/04/01 08:08:55	160.1486	160.1486	2055.96				
579	2015/04/01 08:09:15	160.1542	160.1542	2055.97				
580	2015/04/01 08:09:35	160.1597	160.1597	2055.93				
581	2015/04/01 08:09:50	160.1639	160.1639	2055.94				
582	2015/04/01 08:10:10	160.1694	160.1694	2055.94				
583	2015/04/01 08:10:30	160.1750	160.1750	2055.89				
584	2015/04/01 08:10:50	160.1806	160.1806	2055.89				
585	2015/04/01 08:11:05	160.1847	160.1847	2055.89				
586	2015/04/01 08:11:25	160.1903	160.1903	2055.87				
587	2015/04/01 08:11:45	160.1958	160.1958	2055.88				
588	2015/04/01 08:12:05	160.2014	160.2014	2055.85				
589	2015/04/01 08:12:25	160.2069	160.2069	2055.89				
590	2015/04/01 08:12:45	160.2125	160.2125	2055.83				
591	2015/04/01 08:13:05	160.2181	160.2181	2055.84				
592	2015/04/01 08:13:25	160.2236	160.2236	2055.80				
593	2015/04/01 08:13:45	160.2292	160.2292	2055.79				
594	2015/04/01 08:14:00	160.2333	160.2333	2055.80				
595	2015/04/01 08:14:20	160.2389	160.2389	2055.81				
596	2015/04/01 08:14:40	160.2444	160.2444	2055.77				
597	2015/04/01 08:15:00	160.2500	160.2500	2055.78				
598	2015/04/01 08:15:25	160.2569	160.2569	2055.75				
599	2015/04/01 08:15:45	160.2625	160.2625	2055.78				
600	2015/04/01 08:16:01	160.2669	160.2669	2055.73				
601	2015/04/01 08:16:25	160.2736	160.2736	2055.75				
602	2015/04/01 08:16:46	160.2794	160.2794	2055.73				
603	2015/04/01 08:17:05	160.2847	160.2847	2055.73				
604	2015/04/01 08:17:26	160.2906	160.2906	2055.71				
605	2015/04/01 08:17:45	160.2958	160.2958	2055.66				
606	2015/04/01 08:18:06	160.3017	160.3017	2055.69				
607	2015/04/01 08:18:30	160.3083	160.3083	2055.65				
608	2015/04/01 08:18:50	160.3139	160.3139	2055.63				
609	2015/04/01 08:19:10	160.3194	160.3194	2055.61				
610	2015/04/01 08:19:31	160.3253	160.3253	2055.63				
611	2015/04/01 08:19:55	160.3319	160.3319	2055.63				
612	2015/04/01 08:20:15	160.3375	160.3375	2055.62				
613	2015/04/01 08:20:35	160.3431	160.3431	2055.59				
614	2015/04/01 08:21:00	160.3500	160.3500	2055.58				
615	2015/04/01 08:21:20	160.3556	160.3556	2055.58				
616	2015/04/01 08:21:40	160.3611	160.3611	2055.54				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
617	2015/04/01 08:22:06	160.3683	160.3683	2055.54				
618	2015/04/01 08:22:25	160.3736	160.3736	2055.55				
619	2015/04/01 08:22:50	160.3806	160.3806	2055.55				
620	2015/04/01 08:23:10	160.3861	160.3861	2055.54				
621	2015/04/01 08:23:35	160.3931	160.3931	2055.55				
622	2015/04/01 08:23:56	160.3989	160.3989	2055.53				
623	2015/04/01 08:24:21	160.4058	160.4058	2055.49				
624	2015/04/01 08:24:41	160.4114	160.4114	2055.48				
625	2015/04/01 08:25:05	160.4181	160.4181	2055.45				
626	2015/04/01 08:25:26	160.4239	160.4239	2055.47				
627	2015/04/01 08:25:50	160.4306	160.4306	2055.43				
628	2015/04/01 08:26:15	160.4375	160.4375	2055.46				
629	2015/04/01 08:26:36	160.4433	160.4433	2055.42				
630	2015/04/01 08:27:01	160.4503	160.4503	2055.41				
631	2015/04/01 08:27:25	160.4569	160.4569	2055.40				
632	2015/04/01 08:27:51	160.4642	160.4642	2055.38				
633	2015/04/01 08:28:36	160.4767	160.4767	2055.39				
634	2015/04/01 08:29:00	160.4833	160.4833	2055.37				
635	2015/04/01 08:29:25	160.4903	160.4903	2055.38				
636	2015/04/01 08:29:46	160.4961	160.4961	2055.36				
637	2015/04/01 08:30:11	160.5031	160.5031	2055.34				
638	2015/04/01 08:30:36	160.5100	160.5100	2055.33				
639	2015/04/01 08:31:00	160.5167	160.5167	2055.32				
640	2015/04/01 08:31:26	160.5239	160.5239	2055.31				
641	2015/04/01 08:31:51	160.5308	160.5308	2055.30				
642	2015/04/01 08:32:15	160.5375	160.5375	2055.27				
643	2015/04/01 08:32:41	160.5447	160.5447	2055.28				
644	2015/04/01 08:33:06	160.5517	160.5517	2055.28				
645	2015/04/01 08:33:30	160.5583	160.5583	2055.26				
646	2015/04/01 08:33:56	160.5656	160.5656	2055.21				
647	2015/04/01 08:34:20	160.5722	160.5722	2055.25				
648	2015/04/01 08:34:46	160.5794	160.5794	2055.20				
649	2015/04/01 08:35:11	160.5864	160.5864	2055.21				
650	2015/04/01 08:35:36	160.5933	160.5933	2055.18				
651	2015/04/01 08:36:01	160.6003	160.6003	2055.16				
652	2015/04/01 08:36:31	160.6086	160.6086	2055.16				
653	2015/04/01 08:36:56	160.6156	160.6156	2055.14				
654	2015/04/01 08:37:21	160.6225	160.6225	2055.12				
655	2015/04/01 08:37:51	160.6308	160.6308	2055.10				
656	2015/04/01 08:38:41	160.6447	160.6447	2055.12				
657	2015/04/01 08:39:06	160.6517	160.6517	2055.09				
658	2015/04/01 08:39:36	160.6600	160.6600	2055.08				
659	2015/04/01 08:40:01	160.6669	160.6669	2055.09				
660	2015/04/01 08:40:31	160.6753	160.6753	2055.04				
661	2015/04/01 08:40:56	160.6822	160.6822	2055.01				
662	2015/04/01 08:41:26	160.6906	160.6906	2055.04				
663	2015/04/01 08:41:51	160.6975	160.6975	2055.04				
664	2015/04/01 08:42:21	160.7058	160.7058	2054.97				
665	2015/04/01 08:42:46	160.7128	160.7128	2054.99				
666	2015/04/01 08:43:16	160.7211	160.7211	2054.99				
667	2015/04/01 08:43:41	160.7281	160.7281	2054.97				
668	2015/04/01 08:44:11	160.7364	160.7364	2054.97				
669	2015/04/01 08:44:41	160.7447	160.7447	2054.95				
670	2015/04/01 08:45:06	160.7517	160.7517	2054.96				
671	2015/04/01 08:45:36	160.7600	160.7600	2054.94				
672	2015/04/01 08:46:06	160.7683	160.7683	2054.89				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
673	2015/04/01 08:46:31	160.7753	160.7753	2054.90				
674	2015/04/01 08:47:01	160.7836	160.7836	2054.88				
675	2015/04/01 08:47:31	160.7919	160.7919	2054.87				
676	2015/04/01 08:48:01	160.8003	160.8003	2054.89				
677	2015/04/01 08:48:31	160.8086	160.8086	2054.85				
678	2015/04/01 08:49:01	160.8169	160.8169	2054.84				
679	2015/04/01 08:49:31	160.8253	160.8253	2054.83				
680	2015/04/01 08:49:56	160.8322	160.8322	2054.82				
681	2015/04/01 08:50:26	160.8406	160.8406	2054.83				
682	2015/04/01 08:50:56	160.8489	160.8489	2054.79				
683	2015/04/01 08:51:26	160.8572	160.8572	2054.75				
684	2015/04/01 08:52:01	160.8669	160.8669	2054.75				
685	2015/04/01 08:52:31	160.8753	160.8753	2054.79				
686	2015/04/01 08:53:01	160.8836	160.8836	2054.75				
687	2015/04/01 08:53:31	160.8919	160.8919	2054.71				
688	2015/04/01 08:54:01	160.9003	160.9003	2054.75				
689	2015/04/01 08:54:31	160.9086	160.9086	2054.71				
690	2015/04/01 08:55:01	160.9169	160.9169	2054.70				
691	2015/04/01 08:55:36	160.9267	160.9267	2054.69				
692	2015/04/01 08:56:06	160.9350	160.9350	2054.68				
693	2015/04/01 08:56:36	160.9433	160.9433	2054.67				
694	2015/04/01 08:57:11	160.9531	160.9531	2054.63				
695	2015/04/01 08:57:41	160.9614	160.9614	2054.63				
696	2015/04/01 08:58:11	160.9697	160.9697	2054.60				
697	2015/04/01 08:58:46	160.9794	160.9794	2054.62				
698	2015/04/01 08:59:16	160.9878	160.9878	2054.57				
699	2015/04/01 08:59:51	160.9975	160.9975	2054.58				
700	2015/04/01 09:00:21	161.0058	161.0058	2054.58				
701	2015/04/01 09:00:56	161.0156	161.0156	2054.57				
702	2015/04/01 09:01:26	161.0239	161.0239	2054.54				
703	2015/04/01 09:02:01	161.0336	161.0336	2054.54				
704	2015/04/01 09:02:36	161.0433	161.0433	2054.52				
705	2015/04/01 09:03:06	161.0517	161.0517	2054.48				
706	2015/04/01 09:03:41	161.0614	161.0614	2054.49				
707	2015/04/01 09:04:16	161.0711	161.0711	2054.48				
708	2015/04/01 09:04:51	161.0808	161.0808	2054.49				
709	2015/04/01 09:05:21	161.0892	161.0892	2054.47				
710	2015/04/01 09:05:56	161.0989	161.0989	2054.46				
711	2015/04/01 09:06:31	161.1086	161.1086	2054.39				
712	2015/04/01 09:07:06	161.1183	161.1183	2054.42				
713	2015/04/01 09:07:41	161.1281	161.1281	2054.37				
714	2015/04/01 09:08:16	161.1378	161.1378	2054.39				
715	2015/04/01 09:08:51	161.1475	161.1475	2054.36				
716	2015/04/01 09:09:26	161.1572	161.1572	2054.37				
717	2015/04/01 09:10:01	161.1669	161.1669	2054.37				
718	2015/04/01 09:10:36	161.1767	161.1767	2054.34				
719	2015/04/01 09:11:11	161.1864	161.1864	2054.36				
720	2015/04/01 09:11:46	161.1961	161.1961	2054.30				
721	2015/04/01 09:12:21	161.2058	161.2058	2054.30				
722	2015/04/01 09:13:01	161.2169	161.2169	2054.30				
723	2015/04/01 09:13:36	161.2267	161.2267	2054.27				
724	2015/04/01 09:14:11	161.2364	161.2364	2054.28				
725	2015/04/01 09:14:51	161.2475	161.2475	2054.27				
726	2015/04/01 09:15:26	161.2572	161.2572	2054.21				
727	2015/04/01 09:16:01	161.2669	161.2669	2054.21				
728	2015/04/01 09:16:41	161.2781	161.2781	2054.19				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
729	2015/04/01 09:17:16	161.2878	161.2878	2054.20				
730	2015/04/01 09:17:56	161.2989	161.2989	2054.16				
731	2015/04/01 09:18:31	161.3086	161.3086	2054.14				
732	2015/04/01 09:19:11	161.3197	161.3197	2054.16				
733	2015/04/01 09:19:46	161.3294	161.3294	2054.13				
734	2015/04/01 09:20:26	161.3406	161.3406	2054.11				
735	2015/04/01 09:21:06	161.3517	161.3517	2054.15				
736	2015/04/01 09:21:41	161.3614	161.3614	2054.12				
737	2015/04/01 09:22:21	161.3725	161.3725	2054.07				
738	2015/04/01 09:23:01	161.3836	161.3836	2054.07				
739	2015/04/01 09:23:41	161.3947	161.3947	2054.09				
740	2015/04/01 09:24:16	161.4044	161.4044	2054.03				
741	2015/04/01 09:24:56	161.4156	161.4156	2054.01				
742	2015/04/01 09:25:36	161.4267	161.4267	2054.03				
743	2015/04/01 09:26:15	161.4375	161.4375	2053.96				
744	2015/04/01 09:26:55	161.4486	161.4486	2053.98				
745	2015/04/01 09:27:35	161.4597	161.4597	2053.96				
746	2015/04/01 09:28:15	161.4708	161.4708	2053.96				
747	2015/04/01 09:28:55	161.4819	161.4819	2053.93				
748	2015/04/01 09:29:41	161.4947	161.4947	2053.92				
749	2015/04/01 09:31:01	161.5169	161.5169	2053.91				
750	2015/04/01 09:31:41	161.5281	161.5281	2053.86				
751	2015/04/01 09:32:21	161.5392	161.5392	2053.88				
752	2015/04/01 09:33:06	161.5517	161.5517	2053.86				
753	2015/04/01 09:33:46	161.5628	161.5628	2053.85				
754	2015/04/01 09:34:26	161.5739	161.5739	2053.84				
755	2015/04/01 09:35:11	161.5864	161.5864	2053.85				
756	2015/04/01 09:35:51	161.5975	161.5975	2053.78				
757	2015/04/01 09:36:36	161.6100	161.6100	2053.80				
758	2015/04/01 09:37:16	161.6211	161.6211	2053.77				
759	2015/04/01 09:38:00	161.6333	161.6333	2053.78				
760	2015/04/01 09:38:45	161.6458	161.6458	2053.74				
761	2015/04/01 09:39:25	161.6569	161.6569	2053.71				
762	2015/04/01 09:40:11	161.6697	161.6697	2053.71				
763	2015/04/01 09:40:56	161.6822	161.6822	2053.72				
764	2015/04/01 09:41:40	161.6944	161.6944	2053.67				
765	2015/04/01 09:42:25	161.7069	161.7069	2053.65				
766	2015/04/01 09:43:05	161.7181	161.7181	2053.66				
767	2015/04/01 09:43:50	161.7306	161.7306	2053.66				
768	2015/04/01 09:44:35	161.7431	161.7431	2053.61				
769	2015/04/01 09:45:20	161.7556	161.7556	2053.64				
770	2015/04/01 09:46:06	161.7683	161.7683	2053.59				
771	2015/04/01 09:46:51	161.7808	161.7808	2053.58				
772	2015/04/01 09:47:40	161.7944	161.7944	2053.54				
773	2015/04/01 09:48:25	161.8069	161.8069	2053.57				
774	2015/04/01 09:49:10	161.8194	161.8194	2053.50				
775	2015/04/01 09:49:55	161.8319	161.8319	2053.54				
776	2015/04/01 09:50:41	161.8447	161.8447	2053.50				
777	2015/04/01 09:51:30	161.8583	161.8583	2053.50				
778	2015/04/01 09:52:15	161.8708	161.8708	2053.49				
779	2015/04/01 09:53:05	161.8847	161.8847	2053.48				
780	2015/04/01 09:53:50	161.8972	161.8972	2053.43				
781	2015/04/01 09:54:40	161.9111	161.9111	2053.43				
782	2015/04/01 09:55:25	161.9236	161.9236	2053.42				
783	2015/04/01 09:56:15	161.9375	161.9375	2053.41				
784	2015/04/01 09:57:00	161.9500	161.9500	2053.38				

EXHIBIT 7

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
785	2015/04/01 09:57:50	161.9639	161.9639	2053.38				
786	2015/04/01 09:58:40	161.9778	161.9778	2053.35				
787	2015/04/01 09:59:30	161.9917	161.9917	2053.33				
788	2015/04/01 10:00:15	162.0042	162.0042	2053.36				
789	2015/04/01 10:01:05	162.0181	162.0181	2053.31				
790	2015/04/01 10:01:55	162.0319	162.0319	2053.32				
791	2015/04/01 10:02:45	162.0458	162.0458	2053.27				
792	2015/04/01 10:03:35	162.0597	162.0597	2053.25				
793	2015/04/01 10:04:25	162.0736	162.0736	2053.23				
794	2015/04/01 10:05:15	162.0875	162.0875	2053.27				
795	2015/04/01 10:06:10	162.1028	162.1028	2053.20				
796	2015/04/01 10:07:00	162.1167	162.1167	2053.20				
797	2015/04/01 10:07:50	162.1306	162.1306	2053.17				
798	2015/04/01 10:08:40	162.1444	162.1444	2053.18				
799	2015/04/01 10:09:35	162.1597	162.1597	2053.15				
800	2015/04/01 10:10:25	162.1736	162.1736	2053.15				
801	2015/04/01 10:11:15	162.1875	162.1875	2053.14				
802	2015/04/01 10:12:10	162.2028	162.2028	2053.13				
803	2015/04/01 10:13:00	162.2167	162.2167	2053.11				
804	2015/04/01 10:13:55	162.2319	162.2319	2053.05				
805	2015/04/01 10:14:50	162.2472	162.2472	2053.09				
806	2015/04/01 10:15:40	162.2611	162.2611	2053.05				
807	2015/04/01 10:16:35	162.2764	162.2764	2053.01				
808	2015/04/01 10:17:30	162.2917	162.2917	2052.96				
809	2015/04/01 10:18:25	162.3069	162.3069	2052.97				
810	2015/04/01 10:19:15	162.3208	162.3208	2052.96				
811	2015/04/01 10:20:10	162.3361	162.3361	2053.00				
812	2015/04/01 10:21:05	162.3514	162.3514	2052.96				
813	2015/04/01 10:22:00	162.3667	162.3667	2052.94				
814	2015/04/01 10:22:55	162.3819	162.3819	2052.93				
815	2015/04/01 10:23:55	162.3986	162.3986	2052.92				
816	2015/04/01 10:24:50	162.4139	162.4139	2052.85				
817	2015/04/01 10:25:45	162.4292	162.4292	2052.85				
818	2015/04/01 10:26:40	162.4444	162.4444	2052.83				
819	2015/04/01 10:27:40	162.4611	162.4611	2052.82				
820	2015/04/01 10:28:35	162.4764	162.4764	2052.77				
821	2015/04/01 10:29:30	162.4917	162.4917	2052.79				
822	2015/04/01 10:30:30	162.5083	162.5083	2052.76				
823	2015/04/01 10:31:25	162.5236	162.5236	2052.76				
824	2015/04/01 10:32:25	162.5403	162.5403	2052.78				
825	2015/04/01 10:33:25	162.5569	162.5569	2052.72				
826	2015/04/01 10:34:20	162.5722	162.5722	2052.71				
827	2015/04/01 10:35:20	162.5889	162.5889	2052.70				
828	2015/04/01 10:36:20	162.6056	162.6056	2052.68				
829	2015/04/01 10:37:20	162.6222	162.6222	2052.64				
830	2015/04/01 10:38:20	162.6389	162.6389	2052.66				
831	2015/04/01 10:39:20	162.6556	162.6556	2052.62				
832	2015/04/01 10:40:20	162.6722	162.6722	2052.61				
833	2015/04/01 10:41:20	162.6889	162.6889	2052.61				
834	2015/04/01 10:42:20	162.7056	162.7056	2052.57				
835	2015/04/01 10:43:20	162.7222	162.7222	2052.57				
836	2015/04/01 10:44:20	162.7389	162.7389	2052.57				
837	2015/04/01 10:45:25	162.7569	162.7569	2052.50				
838	2015/04/01 10:46:25	162.7736	162.7736	2052.51				
839	2015/04/01 10:47:25	162.7903	162.7903	2052.49				
840	2015/04/01 10:48:30	162.8083	162.8083	2052.47				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
841	2015/04/01 10:49:30	162.8250	162.8250	2052.44				
842	2015/04/01 10:50:35	162.8431	162.8431	2052.41				
843	2015/04/01 10:51:40	162.8611	162.8611	2052.38				
844	2015/04/01 10:52:40	162.8778	162.8778	2052.39				
845	2015/04/01 10:53:45	162.8958	162.8958	2052.36				
846	2015/04/01 10:54:50	162.9139	162.9139	2052.34				
847	2015/04/01 10:55:55	162.9319	162.9319	2052.30				
848	2015/04/01 10:57:00	162.9500	162.9500	2052.31				
849	2015/04/01 10:58:05	162.9681	162.9681	2052.32				
850	2015/04/01 10:59:10	162.9861	162.9861	2052.29				
851	2015/04/01 11:00:15	163.0042	163.0042	2052.28				
852	2015/04/01 11:01:20	163.0222	163.0222	2052.26				
853	2015/04/01 11:02:30	163.0417	163.0417	2052.23				
854	2015/04/01 11:03:35	163.0597	163.0597	2052.24				
855	2015/04/01 11:04:40	163.0778	163.0778	2052.20				
856	2015/04/01 11:05:50	163.0972	163.0972	2052.17				
857	2015/04/01 11:06:55	163.1153	163.1153	2052.14				
858	2015/04/01 11:08:05	163.1347	163.1347	2052.13				
859	2015/04/01 11:09:10	163.1528	163.1528	2052.14				
860	2015/04/01 11:10:20	163.1722	163.1722	2052.09				
861	2015/04/01 11:11:30	163.1917	163.1917	2052.10				
862	2015/04/01 11:12:40	163.2111	163.2111	2052.03				
863	2015/04/01 11:13:45	163.2292	163.2292	2052.04				
864	2015/04/01 11:14:55	163.2486	163.2486	2052.03				
865	2015/04/01 11:16:05	163.2681	163.2681	2052.04				
866	2015/04/01 11:17:15	163.2875	163.2875	2052.02				
867	2015/04/01 11:18:30	163.3083	163.3083	2051.99				
868	2015/04/01 11:19:40	163.3278	163.3278	2051.91				
869	2015/04/01 11:20:50	163.3472	163.3472	2051.95				
870	2015/04/01 11:22:00	163.3667	163.3667	2051.93				
871	2015/04/01 11:23:15	163.3875	163.3875	2051.89				
872	2015/04/01 11:24:25	163.4069	163.4069	2051.87				
873	2015/04/01 11:25:40	163.4278	163.4278	2051.88				
874	2015/04/01 11:26:50	163.4472	163.4472	2051.84				
875	2015/04/01 11:28:05	163.4681	163.4681	2051.82				
876	2015/04/01 11:29:20	163.4889	163.4889	2051.78				
877	2015/04/01 11:30:35	163.5097	163.5097	2051.79				
878	2015/04/01 11:31:45	163.5292	163.5292	2051.76				
879	2015/04/01 11:33:00	163.5500	163.5500	2051.73				
880	2015/04/01 11:34:15	163.5708	163.5708	2051.71				
881	2015/04/01 11:35:30	163.5917	163.5917	2051.71				
882	2015/04/01 11:36:50	163.6139	163.6139	2051.68				
883	2015/04/01 11:38:05	163.6347	163.6347	2051.64				
884	2015/04/01 11:39:20	163.6556	163.6556	2051.66				
885	2015/04/01 11:40:35	163.6764	163.6764	2051.59				
886	2015/04/01 11:41:55	163.6986	163.6986	2051.59				
887	2015/04/01 11:43:10	163.7194	163.7194	2051.57				
888	2015/04/01 11:44:30	163.7417	163.7417	2051.56				
889	2015/04/01 11:45:50	163.7639	163.7639	2051.58				
890	2015/04/01 11:47:05	163.7847	163.7847	2051.48				
891	2015/04/01 11:48:25	163.8069	163.8069	2051.50				
892	2015/04/01 11:49:45	163.8292	163.8292	2051.52				
893	2015/04/01 11:51:05	163.8514	163.8514	2051.44				
894	2015/04/01 11:52:25	163.8736	163.8736	2051.43				
895	2015/04/01 11:53:45	163.8958	163.8958	2051.46				
896	2015/04/01 11:55:05	163.9181	163.9181	2051.41				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
897	2015/04/01 11:56:25	163.9403	163.9403	2051.36				
898	2015/04/01 11:57:50	163.9639	163.9639	2051.38				
899	2015/04/01 11:59:10	163.9861	163.9861	2051.35				
900	2015/04/01 12:00:30	164.0083	164.0083	2051.34				
901	2015/04/01 12:01:55	164.0319	164.0319	2051.30				
902	2015/04/01 12:03:20	164.0556	164.0556	2051.27				
903	2015/04/01 12:04:40	164.0778	164.0778	2051.26				
904	2015/04/01 12:06:05	164.1014	164.1014	2051.25				
905	2015/04/01 12:07:30	164.1250	164.1250	2051.20				
906	2015/04/01 12:08:55	164.1486	164.1486	2051.20				
907	2015/04/01 12:10:20	164.1722	164.1722	2051.18				
908	2015/04/01 12:11:45	164.1958	164.1958	2051.15				
909	2015/04/01 12:13:10	164.2194	164.2194	2051.15				
910	2015/04/01 12:14:35	164.2431	164.2431	2051.11				
911	2015/04/01 12:16:05	164.2681	164.2681	2051.13				
912	2015/04/01 12:17:30	164.2917	164.2917	2051.08				
913	2015/04/01 12:18:55	164.3153	164.3153	2051.04				
914	2015/04/01 12:20:25	164.3403	164.3403	2051.02				
915	2015/04/01 12:21:55	164.3653	164.3653	2050.99				
916	2015/04/01 12:23:20	164.3889	164.3889	2050.98				
917	2015/04/01 12:24:50	164.4139	164.4139	2050.97				
918	2015/04/01 12:26:20	164.4389	164.4389	2050.96				
919	2015/04/01 12:27:50	164.4639	164.4639	2050.91				
920	2015/04/01 12:29:20	164.4889	164.4889	2050.89				
921	2015/04/01 12:30:50	164.5139	164.5139	2050.85				
922	2015/04/01 12:32:20	164.5389	164.5389	2050.86				
923	2015/04/01 12:33:55	164.5653	164.5653	2050.86				
924	2015/04/01 12:35:25	164.5903	164.5903	2050.82				
925	2015/04/01 12:36:55	164.6153	164.6153	2050.81				
926	2015/04/01 12:38:30	164.6417	164.6417	2050.77				
927	2015/04/01 12:40:05	164.6681	164.6681	2050.76				
928	2015/04/01 12:41:35	164.6931	164.6931	2050.71				
929	2015/04/01 12:43:10	164.7194	164.7194	2050.68				
930	2015/04/01 12:44:45	164.7458	164.7458	2050.67				
931	2015/04/01 12:46:20	164.7722	164.7722	2050.65				
932	2015/04/01 12:47:55	164.7986	164.7986	2050.64				
933	2015/04/01 12:49:30	164.8250	164.8250	2050.64				
934	2015/04/01 12:51:05	164.8514	164.8514	2050.57				
935	2015/04/01 12:52:45	164.8792	164.8792	2050.55				
936	2015/04/01 12:54:20	164.9056	164.9056	2050.55				
937	2015/04/01 12:56:00	164.9333	164.9333	2050.52				
938	2015/04/01 12:57:35	164.9597	164.9597	2050.50				
939	2015/04/01 12:59:15	164.9875	164.9875	2050.46				
940	2015/04/01 13:00:55	165.0153	165.0153	2050.42				
941	2015/04/01 13:02:35	165.0431	165.0431	2050.44				
942	2015/04/01 13:04:15	165.0708	165.0708	2050.44				
943	2015/04/01 13:05:55	165.0986	165.0986	2050.39				
944	2015/04/01 13:07:35	165.1264	165.1264	2050.38				
945	2015/04/01 13:09:15	165.1542	165.1542	2050.33				
946	2015/04/01 13:10:55	165.1819	165.1819	2050.30				
947	2015/04/01 13:12:40	165.2111	165.2111	2050.33				
948	2015/04/01 13:14:20	165.2389	165.2389	2050.27				
949	2015/04/01 13:16:05	165.2681	165.2681	2050.27				
950	2015/04/01 13:17:50	165.2972	165.2972	2050.23				
951	2015/04/01 13:19:31	165.3253	165.3253	2050.19				
952	2015/04/01 13:21:15	165.3542	165.3542	2050.18				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
953	2015/04/01 13:23:00	165.3833	165.3833	2050.17				
954	2015/04/01 13:24:45	165.4125	165.4125	2050.14				
955	2015/04/01 13:26:31	165.4419	165.4419	2050.11				
956	2015/04/01 13:28:21	165.4725	165.4725	2050.13				
957	2015/04/01 13:30:05	165.5014	165.5014	2050.04				
958	2015/04/01 13:31:55	165.5319	165.5319	2050.07				
959	2015/04/01 13:33:41	165.5614	165.5614	2050.02				
960	2015/04/01 13:35:31	165.5919	165.5919	2049.99				
961	2015/04/01 13:37:21	165.6225	165.6225	2049.98				
962	2015/04/01 13:39:11	165.6531	165.6531	2049.96				
963	2015/04/01 13:41:01	165.6836	165.6836	2049.91				
964	2015/04/01 13:42:51	165.7142	165.7142	2049.89				
965	2015/04/01 13:44:41	165.7447	165.7447	2049.90				
966	2015/04/01 13:46:31	165.7753	165.7753	2049.89				
967	2015/04/01 13:48:26	165.8072	165.8072	2049.86				
968	2015/04/01 13:50:16	165.8378	165.8378	2049.84				
969	2015/04/01 13:52:11	165.8697	165.8697	2049.82				
970	2015/04/01 13:54:01	165.9003	165.9003	2049.77				
971	2015/04/01 13:55:56	165.9322	165.9322	2049.75				
972	2015/04/01 13:57:51	165.9642	165.9642	2049.73				
973	2015/04/01 13:59:46	165.9961	165.9961	2049.68				
974	2015/04/01 14:01:41	166.0281	166.0281	2049.66				
975	2015/04/01 14:03:41	166.0614	166.0614	2049.64				
976	2015/04/01 14:05:36	166.0933	166.0933	2049.61				
977	2015/04/01 14:07:31	166.1253	166.1253	2049.57				
978	2015/04/01 14:09:31	166.1586	166.1586	2049.54				
979	2015/04/01 14:11:31	166.1919	166.1919	2049.57				
980	2015/04/01 14:13:30	166.2250	166.2250	2049.50				
981	2015/04/01 14:15:26	166.2572	166.2572	2049.53				
982	2015/04/01 14:17:26	166.2906	166.2906	2049.46				
983	2015/04/01 14:19:30	166.3250	166.3250	2049.46				
984	2015/04/01 14:21:30	166.3583	166.3583	2049.44				
985	2015/04/01 14:23:30	166.3917	166.3917	2049.40				
986	2015/04/01 14:25:31	166.4253	166.4253	2049.36				
987	2015/04/01 14:27:36	166.4600	166.4600	2049.35				
988	2015/04/01 14:29:41	166.4947	166.4947	2049.30				
989	2015/04/01 14:31:41	166.5281	166.5281	2049.31				
990	2015/04/01 14:33:46	166.5628	166.5628	2049.28				
991	2015/04/01 14:35:55	166.5986	166.5986	2049.21				
992	2015/04/01 14:38:00	166.6333	166.6333	2049.24				
993	2015/04/01 14:40:05	166.6681	166.6681	2049.18				
994	2015/04/01 14:42:11	166.7031	166.7031	2049.20				
995	2015/04/01 14:44:21	166.7392	166.7392	2049.18				
996	2015/04/01 14:46:25	166.7736	166.7736	2049.13				
997	2015/04/01 14:48:35	166.8097	166.8097	2049.11				
998	2015/04/01 14:50:45	166.8458	166.8458	2049.07				
999	2015/04/01 14:52:55	166.8819	166.8819	2049.04				
1000	2015/04/01 14:55:05	166.9181	166.9181	2049.01				
1001	2015/04/01 14:57:15	166.9542	166.9542	2049.03				
1002	2015/04/01 14:59:25	166.9903	166.9903	2048.98				
1003	2015/04/01 15:01:40	167.0278	167.0278	2048.93				
1004	2015/04/01 15:03:50	167.0639	167.0639	2048.90				
1005	2015/04/01 15:06:05	167.1014	167.1014	2048.90				
1006	2015/04/01 15:08:20	167.1389	167.1389	2048.85				
1007	2015/04/01 15:10:35	167.1764	167.1764	2048.84				
1008	2015/04/01 15:12:50	167.2139	167.2139	2048.81				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1009	2015/04/01 15:15:05	167.2514	167.2514	2048.78				
1010	2015/04/01 15:17:20	167.2889	167.2889	2048.77				
1011	2015/04/01 15:19:40	167.3278	167.3278	2048.77				
1012	2015/04/01 15:21:55	167.3653	167.3653	2048.70				
1013	2015/04/01 15:24:15	167.4042	167.4042	2048.66				
1014	2015/04/01 15:26:35	167.4431	167.4431	2048.67				
1015	2015/04/01 15:28:55	167.4819	167.4819	2048.66				
1016	2015/04/01 15:31:15	167.5208	167.5208	2048.60				
1017	2015/04/01 15:33:35	167.5597	167.5597	2048.57				
1018	2015/04/01 15:35:55	167.5986	167.5986	2048.56				
1019	2015/04/01 15:38:20	167.6389	167.6389	2048.51				
1020	2015/04/01 15:40:40	167.6778	167.6778	2048.48				
1021	2015/04/01 15:43:05	167.7181	167.7181	2048.46				
1022	2015/04/01 15:45:30	167.7583	167.7583	2048.41				
1023	2015/04/01 15:47:55	167.7986	167.7986	2048.39				
1024	2015/04/01 15:50:20	167.8389	167.8389	2048.39				
1025	2015/04/01 15:52:45	167.8792	167.8792	2048.38				
1026	2015/04/01 15:55:15	167.9208	167.9208	2048.36				
1027	2015/04/01 15:57:40	167.9611	167.9611	2048.31				
1028	2015/04/01 16:00:10	168.0028	168.0028	2048.31				
1029	2015/04/01 16:02:40	168.0444	168.0444	2048.30				
1030	2015/04/01 16:05:10	168.0861	168.0861	2048.26				
1031	2015/04/01 16:07:40	168.1278	168.1278	2048.24				
1032	2015/04/01 16:10:10	168.1694	168.1694	2048.20				
1033	2015/04/01 16:12:40	168.2111	168.2111	2048.17				
1034	2015/04/01 16:15:15	168.2542	168.2542	2048.15				
1035	2015/04/01 16:17:50	168.2972	168.2972	2048.08				
1036	2015/04/01 16:20:20	168.3389	168.3389	2048.10				
1037	2015/04/01 16:22:55	168.3819	168.3819	2048.04				
1038	2015/04/01 16:25:30	168.4250	168.4250	2048.05				
1039	2015/04/01 16:28:10	168.4694	168.4694	2047.99				
1040	2015/04/01 16:30:45	168.5125	168.5125	2047.98				
1041	2015/04/01 16:33:20	168.5556	168.5556	2047.96				
1042	2015/04/01 16:36:00	168.6000	168.6000	2047.95				
1043	2015/04/01 16:38:40	168.6444	168.6444	2047.89				
1044	2015/04/01 16:41:20	168.6889	168.6889	2047.87				
1045	2015/04/01 16:44:00	168.7333	168.7333	2047.84				
1046	2015/04/01 16:46:40	168.7778	168.7778	2047.78				
1047	2015/04/01 16:49:20	168.8222	168.8222	2047.76				
1048	2015/04/01 16:52:05	168.8681	168.8681	2047.77				
1049	2015/04/01 16:54:50	168.9139	168.9139	2047.73				
1050	2015/04/01 16:57:30	168.9583	168.9583	2047.70				
1051	2015/04/01 17:00:15	169.0042	169.0042	2047.66				
1052	2015/04/01 17:03:05	169.0514	169.0514	2047.62				
1053	2015/04/01 17:05:50	169.0972	169.0972	2047.62				
1054	2015/04/01 17:08:35	169.1431	169.1431	2047.62				
1055	2015/04/01 17:11:25	169.1903	169.1903	2047.57				
1056	2015/04/01 17:14:15	169.2375	169.2375	2047.54				
1057	2015/04/01 17:17:05	169.2847	169.2847	2047.50				
1058	2015/04/01 17:19:55	169.3319	169.3319	2047.46				
1059	2015/04/01 17:22:45	169.3792	169.3792	2047.44				
1060	2015/04/01 17:25:35	169.4264	169.4264	2047.38				
1061	2015/04/01 17:28:30	169.4750	169.4750	2047.39				
1062	2015/04/01 17:31:20	169.5222	169.5222	2047.32				
1063	2015/04/01 17:34:15	169.5708	169.5708	2047.32				
1064	2015/04/01 17:37:10	169.6194	169.6194	2047.28				

EXHIBIT 7

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1065	2015/04/01 17:40:05	169.6681	169.6681	2047.28				
1066	2015/04/01 17:43:05	169.7181	169.7181	2047.27				
1067	2015/04/01 17:46:00	169.7667	169.7667	2047.23				
1068	2015/04/01 17:49:00	169.8167	169.8167	2047.21				
1069	2015/04/01 17:52:00	169.8667	169.8667	2047.16				
1070	2015/04/01 17:55:01	169.9169	169.9169	2047.11				
1071	2015/04/01 17:58:00	169.9667	169.9667	2047.13				
1072	2015/04/01 18:01:00	170.0167	170.0167	2047.08				
1073	2015/04/01 18:04:05	170.0681	170.0681	2047.07				
1074	2015/04/01 18:07:06	170.1183	170.1183	2047.02				
1075	2015/04/01 18:10:11	170.1697	170.1697	2047.02				
1076	2015/04/01 18:13:15	170.2208	170.2208	2046.98				
1077	2015/04/01 18:16:20	170.2722	170.2722	2046.95				
1078	2015/04/01 18:19:31	170.3253	170.3253	2046.92				
1079	2015/04/01 18:22:36	170.3767	170.3767	2046.88				
1080	2015/04/01 18:25:46	170.4294	170.4294	2046.87				
1081	2015/04/01 18:28:56	170.4822	170.4822	2046.80				
1082	2015/04/01 18:32:06	170.5350	170.5350	2046.80				
1083	2015/04/01 18:35:16	170.5878	170.5878	2046.77				
1084	2015/04/01 18:38:26	170.6406	170.6406	2046.71				
1085	2015/04/01 18:41:41	170.6947	170.6947	2046.71				
1086	2015/04/01 18:44:56	170.7489	170.7489	2046.70				
1087	2015/04/01 18:48:11	170.8031	170.8031	2046.64				
1088	2015/04/01 18:51:26	170.8572	170.8572	2046.58				
1089	2015/04/01 18:54:40	170.9111	170.9111	2046.59				
1090	2015/04/01 18:58:01	170.9669	170.9669	2046.57				
1091	2015/04/01 19:04:35	171.0764	171.0764	2046.51				
1092	2015/04/01 19:07:55	171.1319	171.1319	2046.47				
1093	2015/04/01 19:11:15	171.1875	171.1875	2046.45				
1094	2015/04/01 19:14:40	171.2444	171.2444	2046.43				
1095	2015/04/01 19:18:00	171.3000	171.3000	2046.38				
1096	2015/04/01 19:21:25	171.3569	171.3569	2046.36				
1097	2015/04/01 19:24:50	171.4139	171.4139	2046.33				
1098	2015/04/01 19:28:15	171.4708	171.4708	2046.27				
1099	2015/04/01 19:31:40	171.5278	171.5278	2046.26				
1100	2015/04/01 19:35:10	171.5861	171.5861	2046.24				
1101	2015/04/01 19:38:40	171.6444	171.6444	2046.21				
1102	2015/04/01 19:42:10	171.7028	171.7028	2046.14				
1103	2015/04/01 19:45:41	171.7614	171.7614	2046.17				
1104	2015/04/01 19:52:40	171.8778	171.8778	2046.11				
1105	2015/04/01 19:56:15	171.9375	171.9375	2046.05				
1106	2015/04/01 19:59:50	171.9972	171.9972	2046.02				
1107	2015/04/01 20:03:25	172.0569	172.0569	2046.01				
1108	2015/04/01 20:07:00	172.1167	172.1167	2045.98				
1109	2015/04/01 20:10:40	172.1778	172.1778	2045.93				
1110	2015/04/01 20:14:20	172.2389	172.2389	2045.93				
1111	2015/04/01 20:17:55	172.2986	172.2986	2045.87				
1112	2015/04/01 20:21:35	172.3597	172.3597	2045.84				
1113	2015/04/01 20:25:20	172.4222	172.4222	2045.82				
1114	2015/04/01 20:29:00	172.4833	172.4833	2045.79				
1115	2015/04/01 20:32:45	172.5458	172.5458	2045.77				
1116	2015/04/01 20:36:30	172.6083	172.6083	2045.73				
1117	2015/04/01 20:40:15	172.6708	172.6708	2045.72				
1118	2015/04/01 20:44:00	172.7333	172.7333	2045.66				
1119	2015/04/01 20:47:50	172.7972	172.7972	2045.66				
1120	2015/04/01 20:51:40	172.8611	172.8611	2045.61				

EXHIBIT 7

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1121	2015/04/01 20:55:25	172.9236	172.9236	2045.57				
1122	2015/04/01 20:59:20	172.9889	172.9889	2045.55				
1123	2015/04/01 21:03:10	173.0528	173.0528	2045.50				
1124	2015/04/01 21:07:05	173.1181	173.1181	2045.49				
1125	2015/04/01 21:10:55	173.1819	173.1819	2045.50				
1126	2015/04/01 21:14:50	173.2472	173.2472	2045.43				
1127	2015/04/01 21:18:50	173.3139	173.3139	2045.40				
1128	2015/04/01 21:22:45	173.3792	173.3792	2045.42				
1129	2015/04/01 21:26:45	173.4458	173.4458	2045.34				
1130	2015/04/01 21:30:45	173.5125	173.5125	2045.30				
1131	2015/04/01 21:34:45	173.5792	173.5792	2045.26				
1132	2015/04/01 21:38:45	173.6458	173.6458	2045.21				
1133	2015/04/01 21:42:50	173.7139	173.7139	2045.21				
1134	2015/04/01 21:46:50	173.7806	173.7806	2045.16				
1135	2015/04/01 21:50:55	173.8486	173.8486	2045.13				
1136	2015/04/01 21:55:05	173.9181	173.9181	2045.11				
1137	2015/04/01 21:59:10	173.9861	173.9861	2045.10				
1138	2015/04/01 22:03:20	174.0556	174.0556	2045.04				
1139	2015/04/01 22:07:30	174.1250	174.1250	2045.04				
1140	2015/04/01 22:11:40	174.1944	174.1944	2045.00				
1141	2015/04/01 22:15:50	174.2639	174.2639	2044.99				
1142	2015/04/01 22:20:05	174.3347	174.3347	2044.94				
1143	2015/04/01 22:24:20	174.4056	174.4056	2044.91				
1144	2015/04/01 22:28:35	174.4764	174.4764	2044.87				
1145	2015/04/01 22:32:50	174.5472	174.5472	2044.84				
1146	2015/04/01 22:37:10	174.6194	174.6194	2044.82				
1147	2015/04/01 22:41:25	174.6903	174.6903	2044.80				
1148	2015/04/01 22:45:45	174.7625	174.7625	2044.75				
1149	2015/04/01 22:50:10	174.8361	174.8361	2044.69				
1150	2015/04/01 22:54:30	174.9083	174.9083	2044.69				
1151	2015/04/01 22:58:55	174.9819	174.9819	2044.66				
1152	2015/04/01 23:03:20	175.0556	175.0556	2044.62				
1153	2015/04/01 23:07:45	175.1292	175.1292	2044.59				
1154	2015/04/01 23:12:15	175.2042	175.2042	2044.54				
1155	2015/04/01 23:16:41	175.2781	175.2781	2044.53				
1156	2015/04/01 23:21:10	175.3528	175.3528	2044.52				
1157	2015/04/01 23:25:46	175.4294	175.4294	2044.48				
1158	2015/04/01 23:34:51	175.5808	175.5808	2044.39				
1159	2015/04/01 23:39:26	175.6572	175.6572	2044.38				
1160	2015/04/01 23:44:01	175.7336	175.7336	2044.35				
1161	2015/04/01 23:48:36	175.8100	175.8100	2044.32				
1162	2015/04/01 23:53:16	175.8878	175.8878	2044.29				
1163	2015/04/01 23:57:56	175.9656	175.9656	2044.25				
1164	2015/04/02 00:02:36	176.0433	176.0433	2044.23				
1165	2015/04/02 00:07:21	176.1225	176.1225	2044.19				
1166	2015/04/02 00:12:05	176.2014	176.2014	2044.16				
1167	2015/04/02 00:16:51	176.2808	176.2808	2044.13				
1168	2015/04/02 00:21:36	176.3600	176.3600	2044.11				
1169	2015/04/02 00:26:25	176.4403	176.4403	2044.08				
1170	2015/04/02 00:31:15	176.5208	176.5208	2044.02				
1171	2015/04/02 00:36:05	176.6014	176.6014	2043.98				
1172	2015/04/02 00:40:56	176.6822	176.6822	2043.96				
1173	2015/04/02 00:45:50	176.7639	176.7639	2043.94				
1174	2015/04/02 00:50:45	176.8458	176.8458	2043.92				
1175	2015/04/02 00:55:40	176.9278	176.9278	2043.87				
1176	2015/04/02 01:00:35	177.0097	177.0097	2043.85				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1177	2015/04/02 01:05:35	177.0931	177.0931	2043.79				
1178	2015/04/02 01:10:35	177.1764	177.1764	2043.79				
1179	2015/04/02 01:15:35	177.2597	177.2597	2043.75				
1180	2015/04/02 01:20:40	177.3444	177.3444	2043.73				
1181	2015/04/02 01:25:45	177.4292	177.4292	2043.72				
1182	2015/04/02 01:30:50	177.5139	177.5139	2043.69				
1183	2015/04/02 01:35:55	177.5986	177.5986	2043.59				
1184	2015/04/02 01:41:05	177.6847	177.6847	2043.60				
1185	2015/04/02 01:46:15	177.7708	177.7708	2043.54				
1186	2015/04/02 01:51:25	177.8569	177.8569	2043.55				
1187	2015/04/02 01:56:40	177.9444	177.9444	2043.52				
1188	2015/04/02 02:01:55	178.0319	178.0319	2043.44				
1189	2015/04/02 02:07:10	178.1194	178.1194	2043.46				
1190	2015/04/02 02:12:25	178.2069	178.2069	2043.41				
1191	2015/04/02 02:17:45	178.2958	178.2958	2043.35				
1192	2015/04/02 02:23:05	178.3847	178.3847	2043.34				
1193	2015/04/02 02:28:25	178.4736	178.4736	2043.31				
1194	2015/04/02 02:33:50	178.5639	178.5639	2043.29				
1195	2015/04/02 02:39:15	178.6542	178.6542	2043.21				
1196	2015/04/02 02:44:40	178.7444	178.7444	2043.23				
1197	2015/04/02 02:50:10	178.8361	178.8361	2043.19				
1198	2015/04/02 02:55:35	178.9264	178.9264	2043.13				
1199	2015/04/02 03:01:05	179.0181	179.0181	2043.14				
1200	2015/04/02 03:06:40	179.1111	179.1111	2043.09				
1201	2015/04/02 03:12:15	179.2042	179.2042	2043.05				
1202	2015/04/02 03:17:50	179.2972	179.2972	2043.02				
1203	2015/04/02 03:23:25	179.3903	179.3903	2042.97				
1204	2015/04/02 03:29:05	179.4847	179.4847	2042.99				
1205	2015/04/02 03:34:45	179.5792	179.5792	2042.94				
1206	2015/04/02 03:40:25	179.6736	179.6736	2042.90				
1207	2015/04/02 03:46:05	179.7681	179.7681	2042.84				
1208	2015/04/02 03:51:50	179.8639	179.8639	2042.85				
1209	2015/04/02 03:57:40	179.9611	179.9611	2042.83				
1210	2015/04/02 04:03:25	180.0569	180.0569	2042.80				
1211	2015/04/02 04:09:15	180.1542	180.1542	2042.72				
1212	2015/04/02 04:15:05	180.2514	180.2514	2042.70				
1213	2015/04/02 04:21:01	180.3503	180.3503	2042.70				
1214	2015/04/02 04:32:46	180.5461	180.5461	2042.62				
1215	2015/04/02 04:38:46	180.6461	180.6461	2042.60				
1216	2015/04/02 04:44:46	180.7461	180.7461	2042.56				
1217	2015/04/02 04:50:46	180.8461	180.8461	2042.53				
1218	2015/04/02 04:56:46	180.9461	180.9461	2042.54				
1219	2015/04/02 05:02:51	181.0475	181.0475	2042.49				
1220	2015/04/02 05:08:56	181.1489	181.1489	2042.43				
1221	2015/04/02 05:15:06	181.2517	181.2517	2042.42				
1222	2015/04/02 05:21:16	181.3544	181.3544	2042.38				
1223	2015/04/02 05:27:26	181.4572	181.4572	2042.36				
1224	2015/04/02 05:33:36	181.5600	181.5600	2042.33				
1225	2015/04/02 05:39:50	181.6639	181.6639	2042.29				
1226	2015/04/02 05:46:10	181.7694	181.7694	2042.21				
1227	2015/04/02 05:52:25	181.8736	181.8736	2042.20				
1228	2015/04/02 05:58:45	181.9792	181.9792	2042.18				
1229	2015/04/02 06:05:05	182.0847	182.0847	2042.13				
1230	2015/04/02 06:11:30	182.1917	182.1917	2042.14				
1231	2015/04/02 06:17:55	182.2986	182.2986	2042.08				
1232	2015/04/02 06:24:20	182.4056	182.4056	2042.07				

EXHIBIT 7

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1233	2015/04/02 06:30:50	182.5139	182.5139	2042.01				
1234	2015/04/02 06:37:20	182.6222	182.6222	2041.98				
1235	2015/04/02 06:43:50	182.7306	182.7306	2041.96				
1236	2015/04/02 06:50:25	182.8403	182.8403	2041.93				
1237	2015/04/02 06:57:00	182.9500	182.9500	2041.88				
1238	2015/04/02 07:03:40	183.0611	183.0611	2041.83				
1239	2015/04/02 07:10:15	183.1708	183.1708	2041.82				
1240	2015/04/02 07:17:00	183.2833	183.2833	2041.79				
1241	2015/04/02 07:23:40	183.3944	183.3944	2041.79				
1242	2015/04/02 07:30:25	183.5069	183.5069	2041.77				
1243	2015/04/02 07:37:15	183.6208	183.6208	2041.71				
1244	2015/04/02 07:44:00	183.7333	183.7333	2041.68				
1245	2015/04/02 07:50:50	183.8472	183.8472	2041.63				
1246	2015/04/02 07:57:45	183.9625	183.9625	2041.63				
1247	2015/04/02 08:04:40	184.0778	184.0778	2041.60				
1248	2015/04/02 08:11:35	184.1931	184.1931	2041.54				
1249	2015/04/02 08:18:30	184.3083	184.3083	2041.54				
1250	2015/04/02 08:25:30	184.4250	184.4250	2041.48				
1251	2015/04/02 08:32:35	184.5431	184.5431	2041.45				
1252	2015/04/02 08:39:40	184.6611	184.6611	2041.42				
1253	2015/04/02 08:46:45	184.7792	184.7792	2041.38				
1254	2015/04/02 08:53:50	184.8972	184.8972	2041.37				
1255	2015/04/02 09:01:00	185.0167	185.0167	2041.32				
1256	2015/04/02 09:01:40	185.0278	185.0278	2041.34				
1257	2015/04/02 09:08:16	185.1377	185.1377	2041.30				
1258	2015/04/02 09:15:31	185.2586	185.2586	2041.28				
1259	2015/04/02 09:22:46	185.3794	185.3794	2041.25				
1260	2015/04/02 09:30:06	185.5016	185.5016	2041.20				
1261	2015/04/02 09:37:27	185.6241	185.6241	2041.18				
1262	2015/04/02 09:44:47	185.7463	185.7463	2041.15				
1263	2015/04/02 09:52:12	185.8700	185.8700	2041.13				
1264	2015/04/02 09:59:37	185.9936	185.9936	2041.09				
1265	2015/04/02 10:07:07	186.1186	186.1186	2041.07				
1266	2015/04/02 10:14:37	186.2436	186.2436	2041.00				
1267	2015/04/02 10:22:07	186.3686	186.3686	2041.01				
1268	2015/04/02 10:29:42	186.4950	186.4950	2040.95				
1269	2015/04/02 10:37:17	186.6213	186.6213	2040.94				
1270	2015/04/02 10:44:56	186.7488	186.7488	2040.91				
1271	2015/04/02 10:52:37	186.8769	186.8769	2040.86				
1272	2015/04/02 11:00:21	187.0058	187.0058	2040.86				
1273	2015/04/02 11:08:06	187.1350	187.1350	2040.78				
1274	2015/04/02 11:15:51	187.2641	187.2641	2040.76				
1275	2015/04/02 11:23:41	187.3947	187.3947	2040.75				
1276	2015/04/02 11:31:31	187.5252	187.5252	2040.72				
1277	2015/04/02 11:39:26	187.6572	187.6572	2040.66				
1278	2015/04/02 11:47:21	187.7891	187.7891	2040.65				
1279	2015/04/02 11:55:16	187.9211	187.9211	2040.60				
1280	2015/04/02 12:03:16	188.0544	188.0544	2040.57				
1281	2015/04/02 12:11:21	188.1891	188.1891	2040.57				
1282	2015/04/02 12:19:26	188.3238	188.3238	2040.54				
1283	2015/04/02 12:27:31	188.4586	188.4586	2040.50				
1284	2015/04/02 12:35:41	188.5947	188.5947	2040.47				
1285	2015/04/02 12:43:51	188.7308	188.7308	2040.45				
1286	2015/04/02 12:52:06	188.8683	188.8683	2040.37				
1287	2015/04/02 13:00:21	189.0058	189.0058	2040.39				
1288	2015/04/02 13:08:36	189.1433	189.1433	2040.34				

EXHIBIT 7

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1289	2015/04/02 13:16:56	189.2822	189.2822	2040.33				
1290	2015/04/02 13:25:21	189.4225	189.4225	2040.26				
1291	2015/04/02 13:33:46	189.5627	189.5627	2040.23				
1292	2015/04/02 13:42:11	189.7030	189.7030	2040.21				
1293	2015/04/02 13:50:41	189.8447	189.8447	2040.18				
1294	2015/04/02 13:59:16	189.9877	189.9877	2040.16				
1295	2015/04/02 14:07:51	190.1308	190.1308	2040.14				
1296	2015/04/02 14:16:26	190.2738	190.2738	2040.11				
1297	2015/04/02 14:25:06	190.4183	190.4183	2040.05				
1298	2015/04/02 14:33:46	190.5627	190.5627	2040.00				
1299	2015/04/02 14:42:32	190.7088	190.7088	2040.02				
1300	2015/04/02 14:51:17	190.8547	190.8547	2039.94				
1301	2015/04/02 15:00:07	191.0019	191.0019	2039.95				
1302	2015/04/02 15:08:57	191.1491	191.1491	2039.91				
1303	2015/04/02 15:17:47	191.2963	191.2963	2039.85				
1304	2015/04/02 15:26:47	191.4463	191.4463	2039.81				
1305	2015/04/02 15:35:42	191.5950	191.5950	2039.81				
1306	2015/04/02 15:44:46	191.7461	191.7461	2039.78				
1307	2015/04/02 15:53:51	191.8975	191.8975	2039.77				
1308	2015/04/02 16:02:56	192.0488	192.0488	2039.74				
1309	2015/04/02 16:12:01	192.2002	192.2002	2039.67				
1310	2015/04/02 16:21:16	192.3544	192.3544	2039.65				
1311	2015/04/02 16:30:26	192.5072	192.5072	2039.63				
1312	2015/04/02 16:39:46	192.6627	192.6627	2039.59				
1313	2015/04/02 16:49:01	192.8169	192.8169	2039.54				
1314	2015/04/02 16:58:26	192.9738	192.9738	2039.54				
1315	2015/04/02 17:07:46	193.1294	193.1294	2039.49				
1316	2015/04/02 17:17:16	193.2877	193.2877	2039.49				
1317	2015/04/02 17:26:46	193.4461	193.4461	2039.45				
1318	2015/04/02 17:36:16	193.6044	193.6044	2039.39				
1319	2015/04/02 17:45:51	193.7641	193.7641	2039.40				
1320	2015/04/02 17:55:26	193.9238	193.9238	2039.34				
1321	2015/04/02 18:05:06	194.0850	194.0850	2039.29				
1322	2015/04/02 18:14:51	194.2475	194.2475	2039.32				
1323	2015/04/02 18:24:36	194.4100	194.4100	2039.27				
1324	2015/04/02 18:34:21	194.5725	194.5725	2039.23				
1325	2015/04/02 18:44:11	194.7363	194.7363	2039.22				
1326	2015/04/02 18:54:06	194.9016	194.9016	2039.17				
1327	2015/04/02 19:04:01	195.0669	195.0669	2039.13				
1328	2015/04/02 19:14:01	195.2336	195.2336	2039.11				
1329	2015/04/02 19:24:02	195.4005	195.4005	2039.07				
1330	2015/04/02 19:34:07	195.5686	195.5686	2039.05				
1331	2015/04/02 19:44:12	195.7366	195.7366	2039.05				
1332	2015/04/02 19:54:22	195.9061	195.9061	2039.00				
1333	2015/04/02 20:04:37	196.0769	196.0769	2038.95				
1334	2015/04/02 20:14:51	196.2475	196.2475	2038.93				
1335	2015/04/02 20:25:07	196.4186	196.4186	2038.91				
1336	2015/04/02 20:35:31	196.5919	196.5919	2038.85				
1337	2015/04/02 20:45:56	196.7655	196.7655	2038.82				
1338	2015/04/02 20:56:21	196.9391	196.9391	2038.82				
1339	2015/04/02 21:06:51	197.1141	197.1141	2038.76				
1340	2015/04/02 21:17:26	197.2905	197.2905	2038.74				
1341	2015/04/02 21:28:01	197.4669	197.4669	2038.73				
1342	2015/04/02 21:38:36	197.6433	197.6433	2038.70				
1343	2015/04/02 21:49:21	197.8225	197.8225	2038.67				
1344	2015/04/02 22:00:06	198.0016	198.0016	2038.62				

EXHIBIT 7

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1345	2015/04/02 22:10:51	198.1808	198.1808	2038.58				
1346	2015/04/02 22:21:41	198.3613	198.3613	2038.57				
1347	2015/04/02 22:32:36	198.5433	198.5433	2038.52				
1348	2015/04/02 22:43:31	198.7252	198.7252	2038.49				
1349	2015/04/02 22:54:31	198.9086	198.9086	2038.47				
1350	2015/04/02 23:05:36	199.0933	199.0933	2038.42				
1351	2015/04/02 23:16:41	199.2780	199.2780	2038.41				
1352	2015/04/02 23:27:46	199.4627	199.4627	2038.40				
1353	2015/04/02 23:39:01	199.6502	199.6502	2038.36				
1354	2015/04/02 23:50:16	199.8377	199.8377	2038.32				
1355	2015/04/03 00:01:31	200.0252	200.0252	2038.31				
1356	2015/04/03 00:12:56	200.2155	200.2155	2038.26				
1357	2015/04/03 00:24:17	200.4047	200.4047	2038.23				
1358	2015/04/03 00:35:47	200.5963	200.5963	2038.19				
1359	2015/04/03 00:47:17	200.7880	200.7880	2038.16				
1360	2015/04/03 00:58:52	200.9811	200.9811	2038.18				
1361	2015/04/03 01:10:27	201.1741	201.1741	2038.13				
1362	2015/04/03 01:22:06	201.3683	201.3683	2038.03				
1363	2015/04/03 01:33:51	201.5641	201.5641	2038.06				
1364	2015/04/03 01:45:37	201.7602	201.7602	2038.00				
1365	2015/04/03 01:57:26	201.9572	201.9572	2037.99				
1366	2015/04/03 02:09:21	202.1558	202.1558	2037.96				
1367	2015/04/03 02:21:16	202.3544	202.3544	2037.93				
1368	2015/04/03 02:33:16	202.5544	202.5544	2037.89				
1369	2015/04/03 02:45:21	202.7558	202.7558	2037.86				
1370	2015/04/03 02:57:26	202.9572	202.9572	2037.83				
1371	2015/04/03 03:09:36	203.1600	203.1600	2037.80				
1372	2015/04/03 03:21:51	203.3641	203.3641	2037.78				
1373	2015/04/03 03:34:06	203.5683	203.5683	2037.73				
1374	2015/04/03 03:46:26	203.7738	203.7738	2037.75				
1375	2015/04/03 03:58:51	203.9808	203.9808	2037.71				
1376	2015/04/03 04:11:16	204.1877	204.1877	2037.63				
1377	2015/04/03 04:23:46	204.3961	204.3961	2037.64				
1378	2015/04/03 04:36:21	204.6058	204.6058	2037.57				
1379	2015/04/03 04:48:56	204.8155	204.8155	2037.59				
1380	2015/04/03 05:01:36	205.0266	205.0266	2037.55				
1381	2015/04/03 05:14:21	205.2391	205.2391	2037.52				
1382	2015/04/03 05:27:11	205.4530	205.4530	2037.50				
1383	2015/04/03 05:40:02	205.6672	205.6672	2037.49				
1384	2015/04/03 05:52:57	205.8825	205.8825	2037.41				
1385	2015/04/03 06:05:57	206.0991	206.0991	2037.41				
1386	2015/04/03 06:18:57	206.3158	206.3158	2037.38				
1387	2015/04/03 06:32:02	206.5338	206.5338	2037.34				
1388	2015/04/03 06:45:12	206.7533	206.7533	2037.34				
1389	2015/04/03 06:58:27	206.9741	206.9741	2037.29				
1390	2015/04/03 07:11:41	207.1947	207.1947	2037.25				
1391	2015/04/03 07:25:01	207.4169	207.4169	2037.23				
1392	2015/04/03 07:38:26	207.6405	207.6405	2037.18				
1393	2015/04/03 07:51:51	207.8641	207.8641	2037.18				
1394	2015/04/03 08:05:26	208.0905	208.0905	2037.13				
1395	2015/04/03 08:19:01	208.3169	208.3169	2037.10				
1396	2015/04/03 08:32:36	208.5433	208.5433	2037.07				
1397	2015/04/03 08:45:40	208.7611	208.7611	2037.05				
1398	2015/04/03 08:59:20	208.9889	208.9889	2037.00				

EXHIBIT 7

Gas Well Test - Falloff

Radial Flow Analysis

Analysis Results

Flow Capacity (kh)	19050	md.ft	Total Skin (s')	-1.411	
Effective Permeability (k)	238.1268	md	Skin Due to Damage (s_d)	-1.411	
Effective Gas Permeability (k_g)	238.1268	md	Skin Due To Inclination (s_{Inc})		
Effective Oil Permeability (k_o)		md	Skin Due To Partial Penetration (s_{PP})		
Effective Water Permeability (k_w)		md	Pressure Drop Due to Total Skin (Δp_{skin})		psi(a)
Total Fluid Rate (in situ) ($(q\beta)_t$)	-12412.0	rbbl/d	Damage Ratio (DR)	0.935	
Total Mobility ($(k/\mu)_t$)	10650.51	md/cP	Flow Efficiency (FE)	1.070	
Total Transmissivity ($(kh/\mu)_t$)	852040.77	mdft/cP			
Slope (m)	0.4277	(10^6psi^2/cP)/cycle			

Reservoir Parameters

Net Pay (h)	80.000	ft
Total Porosity (ϕ_t)	28.00	%
Gas Saturation (S_g)	70.00	%
Oil Saturation (S_o)	0.00	%
Water Saturation (S_w)	30.00	%
Formation Compressibility (c_f)	3.1715e-06	1/psi
Total Compressibility (c_t)	3.2746e-04	1/psi
Wellbore Radius (r_w)	0.700	ft

Pressures

Extrapolated Pressure (p*)	2052.0	psi(a)
Final Flowing Pressure (p_{wfo})	2066.4	psi(a)
Final Measured Pressure (p_{last})	2037.0	psi(a)

Fluid Properties

Reservoir Temperature (T_{resv})	126.0	°F
Reservoir Pressure (p_{resv})	2025.0	psi(a)
Gas Gravity (γ_g)	0.970	
N_2	97.00	%
CO_2	0.00	%
H_2S	0.00	%
Critical Temperature (T_c)	233.9	°R
Critical Pressure (p_c)	497.4	psi(a)
Gas Viscosity (μ_g)	0.0224	cP
Gas Compressibility (c_g)	4.6199e-04	1/psi
Gas Compressibility Factor (z)	1.003	
Gas Formation Volume Factor (B_g)	1.4568e-03	bbl/scf
Gas Correlation	B.W.R. (Table)	
Gas Viscosity Correlation	Carr et al	

Production and Times

Corrected Time (t_c)	163.73	h
Total Cumulative Production Gas (Cum_{gas})	-58.124	MMscf
Final Gas Rate ($q_{g\ final}$)	-8.520	MMscfd

EXHIBIT 8

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Diagnostic Plot
Falloff Test History

Pressure Fall-off Test 1Apr2015
Mid-bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,664-4,755' TVD

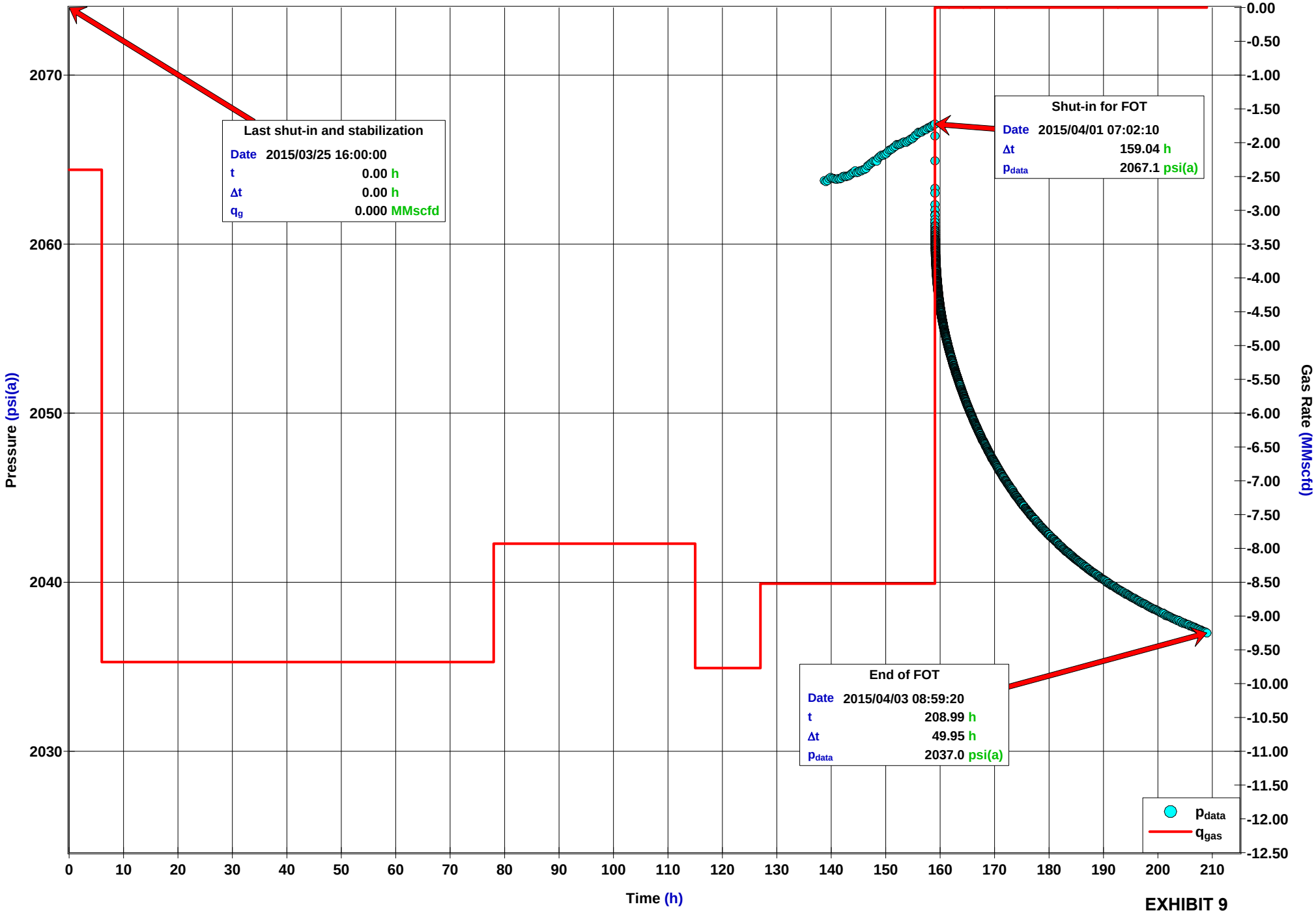


EXHIBIT 9

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Diagnostic Plot
Typecurve

Pressure Fall-off Test 1Apr2015
Mid-bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,664-4,755' TVD

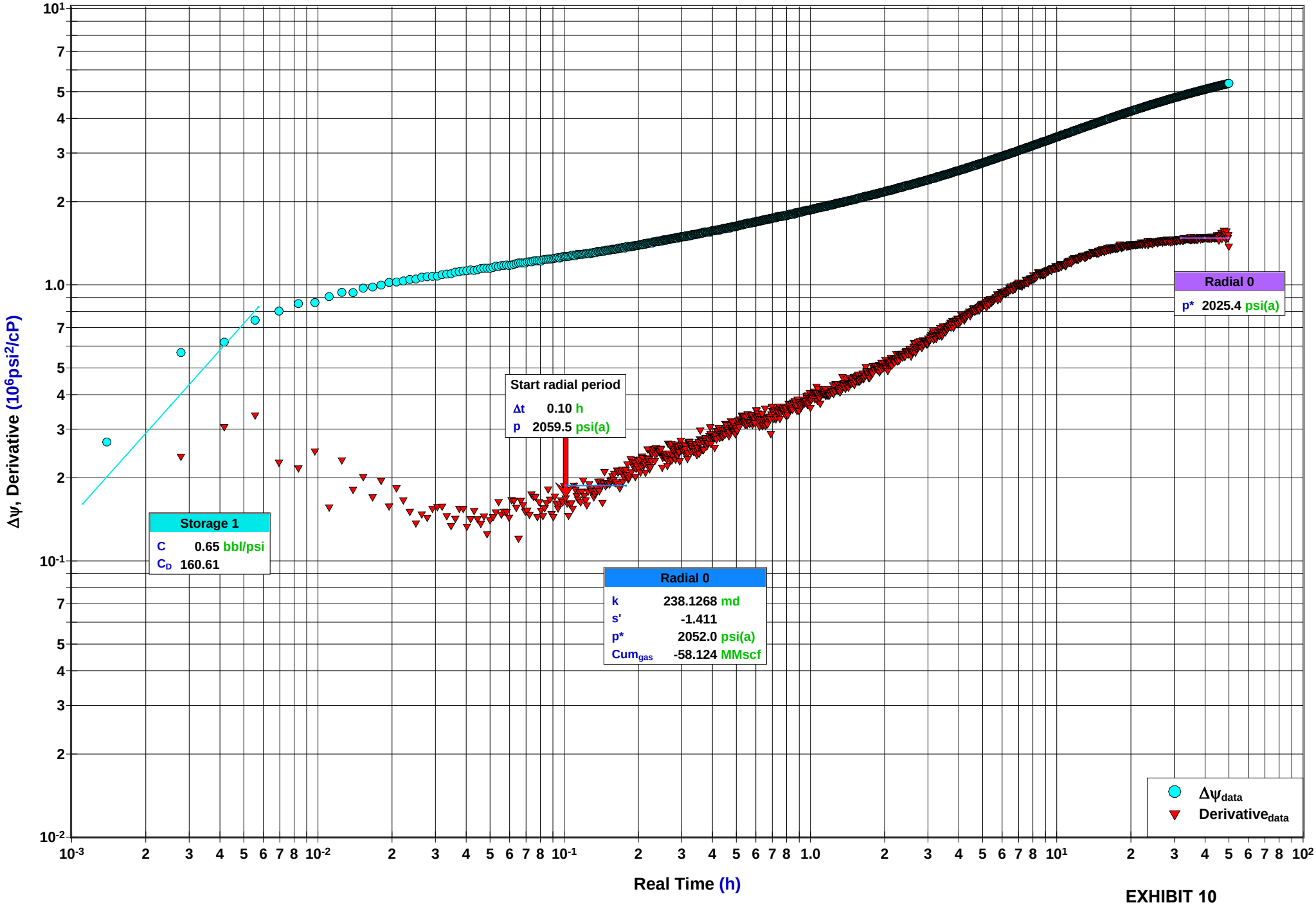


EXHIBIT 10

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Diagnostic Plot
Radial Horner

Pressure Fall-off Test 1Apr2015
Mid-bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,664-4,755' TVD

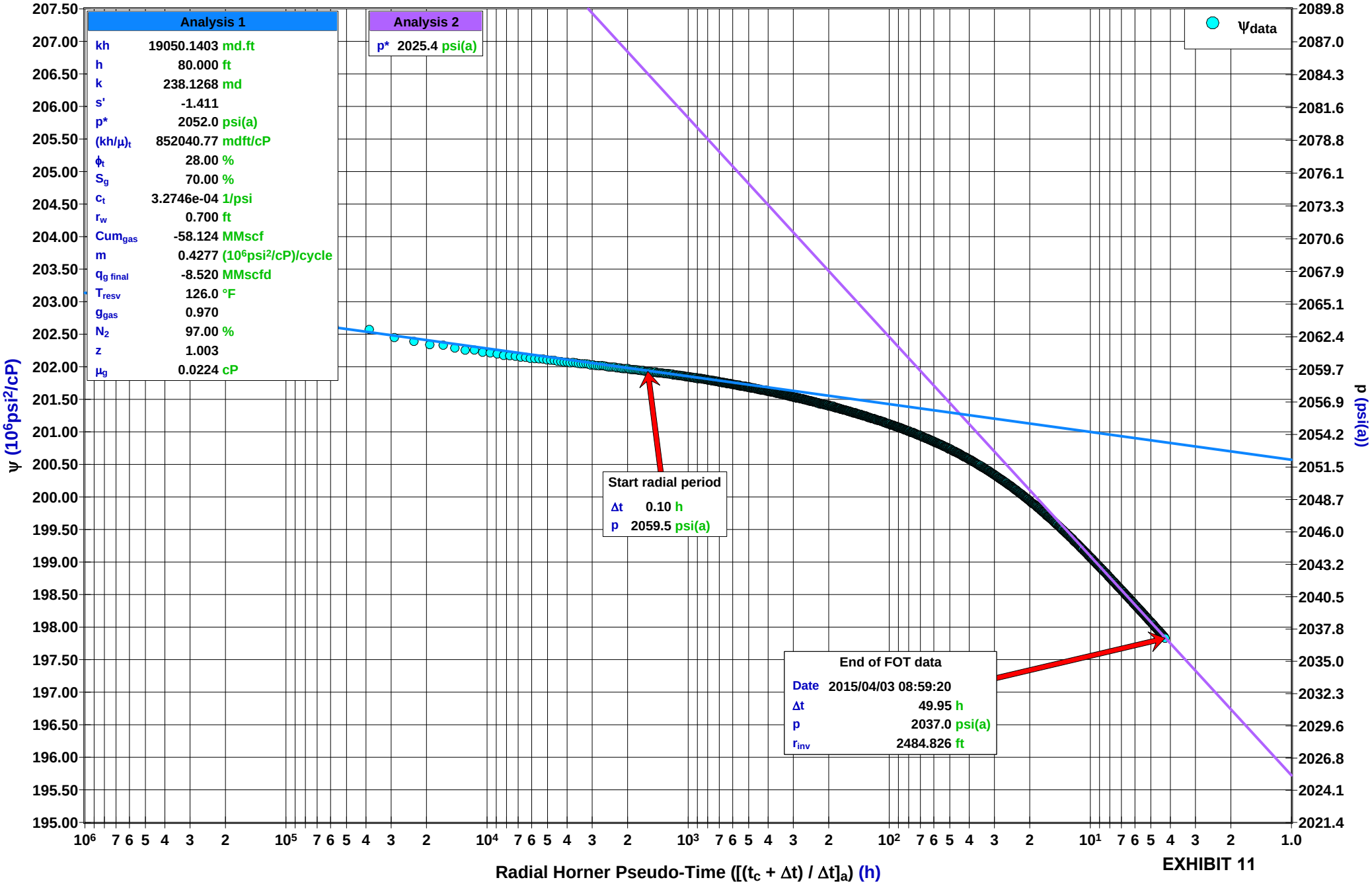


EXHIBIT 11

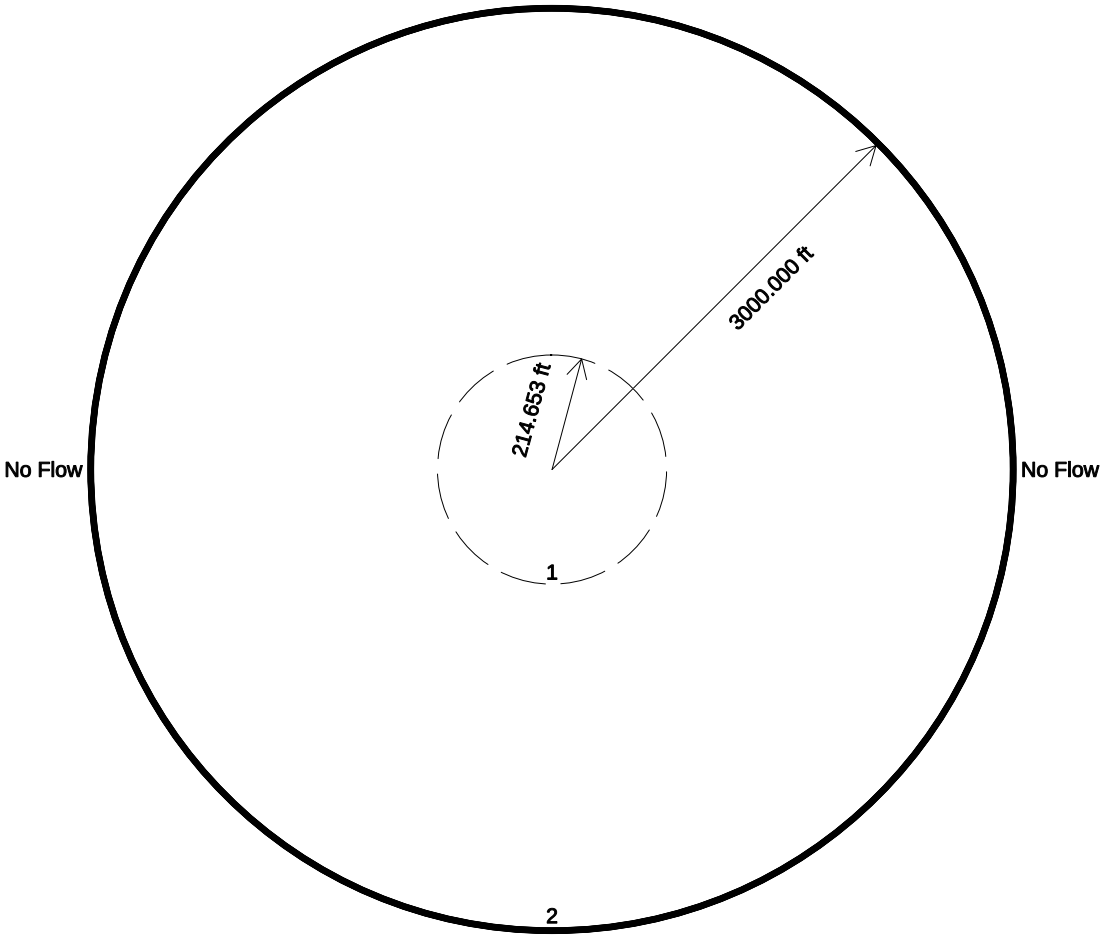
Test Simulation Composite 1

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

s_d = -1.411
k_1 = 238.1268 md
k_2 = 550.0981 md
ϕ_{t1} = 28.00 %
ϕ_{t2} = 30.00 %
μ_1 = 0.0224 cP
μ_2 = 0.5400 cP

Plan View

(Not to scale)



Side View

(Not to scale)

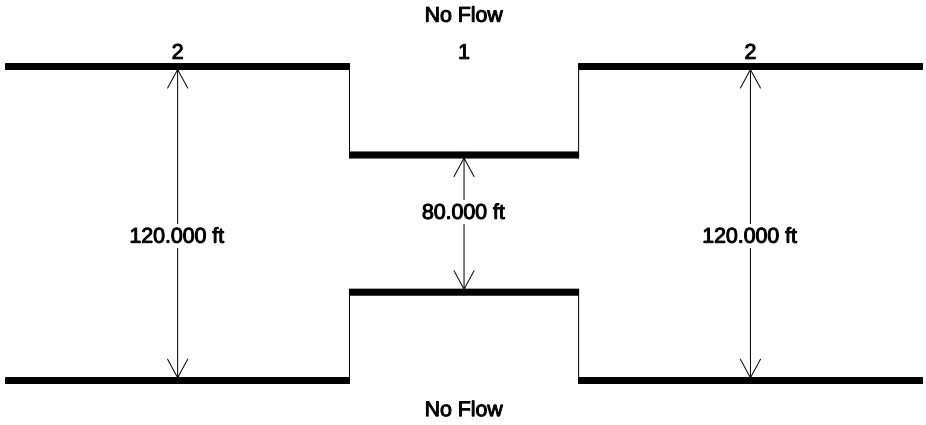


EXHIBIT 12

Gas Model - Test Simulation Composite 1

Analysis Results

	Zone 1	Zone 2
Effective Permeability (k_1)	238.1268 md	550.0981 md
Net Pay (h_1)	80.000 ft	120.000 ft
Viscosity (μ_1)	0.0224 cP	0.5400 cP
Total Porosity (ϕ_{t1})	28.00 %	30.00 %
Gas Saturation (S_{g1})	80.00 %	15.00 %
Oil Saturation (S_{o1})	0.00 %	0.00 %
Water Saturation (S_{w1})	20.00 %	85.00 %
Formation Compressibility (c_{f1})	3.1715e-06 1/psi	3.0820e-06 1/psi
Total Compressibility (c_{t1})	3.7336e-04 1/psi	7.4909e-05 1/psi
Radius (r_{e1})	214.653 ft	3000.000 ft

Total Skin (s')	-1.411
Wellbore Volume (V_w)	397 bbl
Dim. Wellbore Storage Constant (C_D)	40.000

Reservoir Parameters

Wellbore Radius (r_w)	0.700 ft

Production and Pressures

Final Gas Rate ($q_{g\ final}$)	-8.520 MMscfd
Total Cumulative Production Gas (Cum_{gas})	-58.124 MMscf
Final Flowing Pressure (p_{wfo})	2066.4 psi(a)
Final Measured Pressure (p_{last})	2037.0 psi(a)

Fluid Properties

Reservoir Temperature (T_{resv})	126.0 °F
Reservoir Pressure (p_{resv})	2025.0 psi(a)
Gas Gravity (γ_g)	0.970
N_2	97.00 %
CO_2	0.00 %
H_2S	0.00 %
Critical Temperature (T_c)	233.9 °R
Critical Pressure (p_c)	497.4 psi(a)
Gas Viscosity (μ_g)	0.0224 cP
Gas Compressibility (c_g)	4.6199e-04 1/psi
Gas Compressibility Factor (z)	1.003
Gas Formation Volume Factor (B_g)	1.4568e-03 bbl/scf
Gas Correlation	B.W.R. (Table)
Gas Viscosity Correlation	Carr et al

Synthesis Results

Average Error (E_{avg})	0.01 %
Synthetic Initial Pressure (p_i (syn))	2025.0 psi(a)
Final Average Reservoir Pressure (p_{avg})	2031.6 psi(a)
Pressure Drop Due to Total Skin (Δp_{skin})	psi(a)
Flow Efficiency (FE)	1.084
Damage Ratio (DR)	0.923

EXHIBIT 13

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Test Simulation Composite Model
History

Pressure Fall-off Test 1Apr2015
Mid-bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,664-4,755' TVD

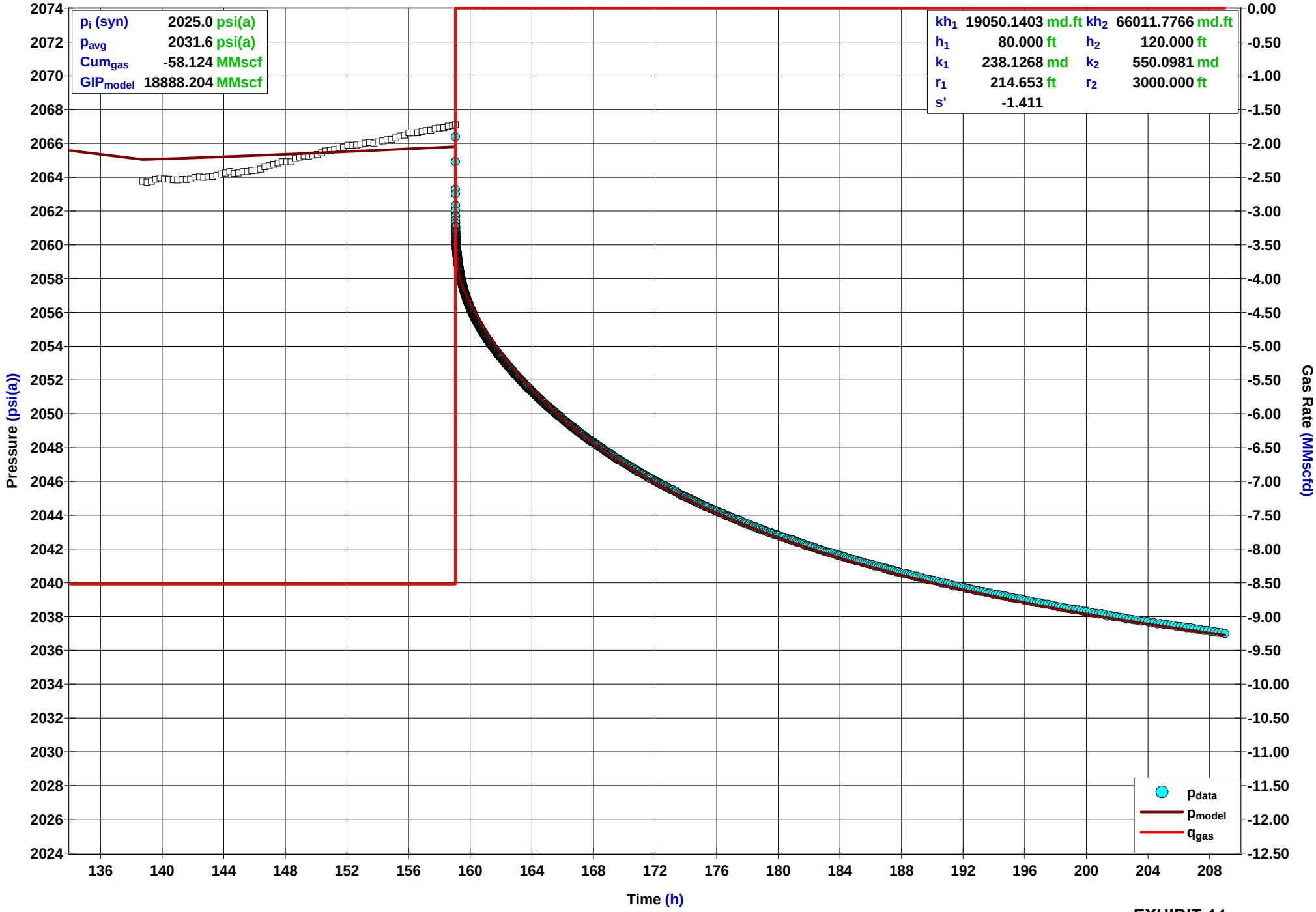


EXHIBIT 14

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Test Simulation Composite Model
Typecurve

Pressure Fall-off Test 1Apr2015
Mid-bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,664-4,755' TVD

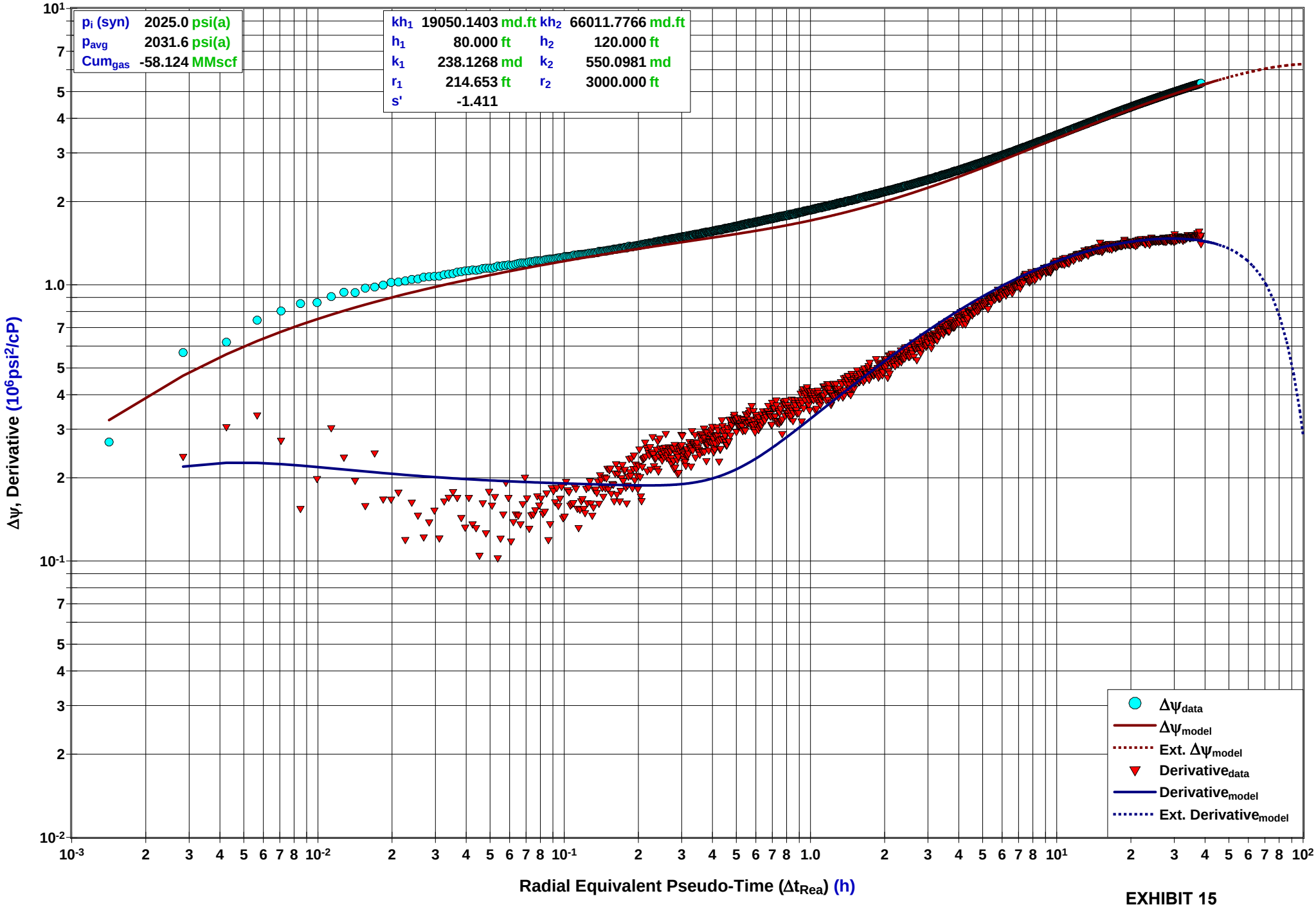


EXHIBIT 15

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Test Simulation Composite Model
Radial

Pressure Fall-off Test 1Apr2015
Mid-bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,664-4,755' TVD

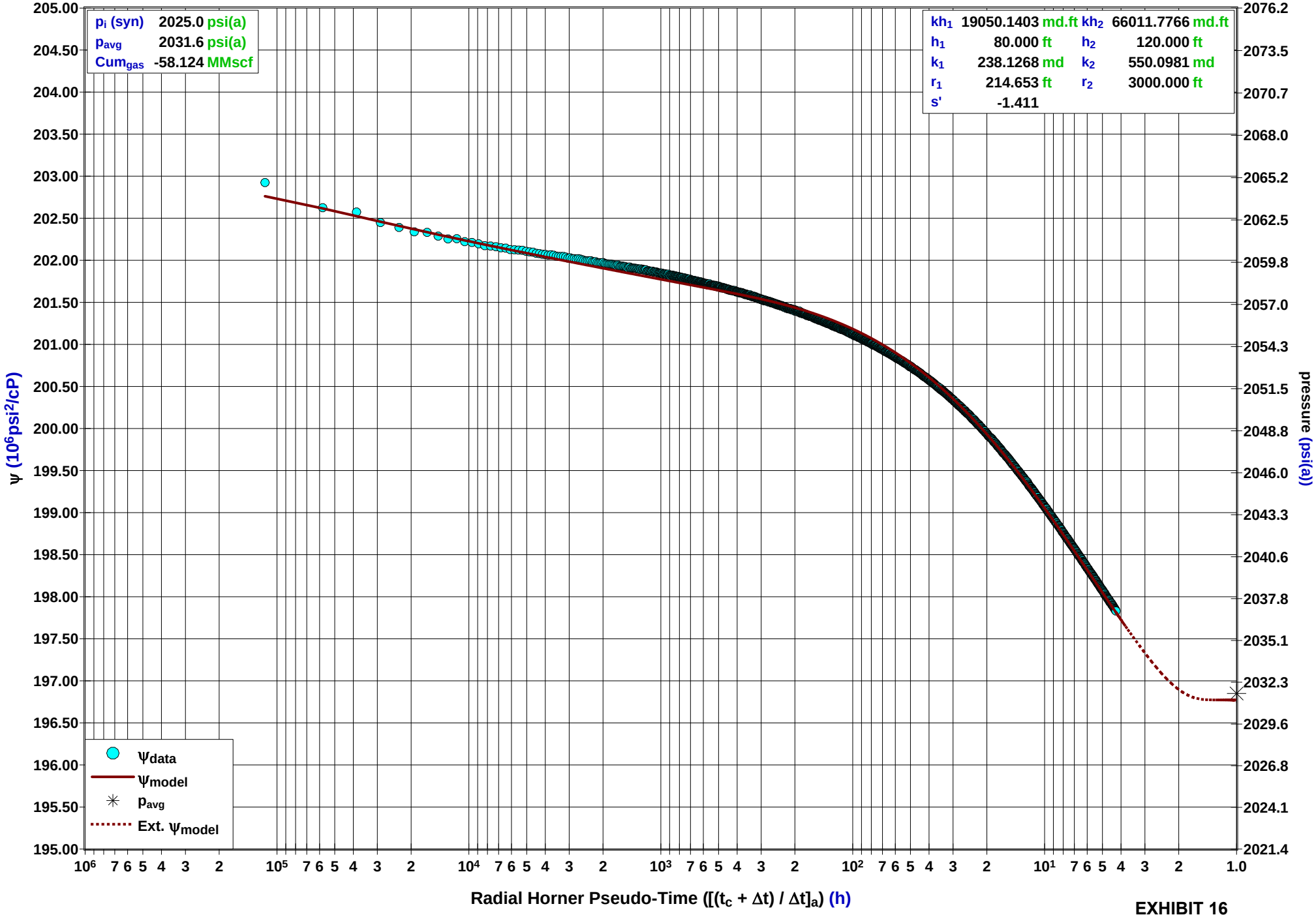


EXHIBIT 16

ATTACHMENT 5

List of Abbreviations used in Attachments 1 through 3

°F	Degrees Fahrenheit
Avg	Average
BHP	Bottomhole Pressure
I/W	Injection/Withdrawal
PSI	Pounds square inch
PSIA	Pounds square inch atmospheric
PSIG	Pounds square inch gauge
Max	Maximum
Min.	Minutes
Min	Minimum
MSCF	Thousand standard cubic feet
MSCFD	Thousand standard cubic feet per day
MMSCFD	Million standard cubic feet per day
MMSCFM	Million standard cubic feet per minute
Prod/SI	Producing or Shut-In
SCFM	Standard cubic feet per minute

ATTACHMENT 3

May 2015 Monthly Report

Energy Procurement
Renewable Energy
Development
245 Market Street, Room 1344
San Francisco, CA 94105-1702

Mailing Address
Mail Code N13W
P. O. Box 770000
San Francisco, CA 94177-0001

June 25, 2015

Ms. Michele Dermer
EPA Region 9, WTR-9
75 Hawthorne St.
San Francisco, CA 94105

Subject: May 2015 Monthly Report for PG&E Test Injection/Withdrawal Well 1
Permit No. R9UIC-CA5-FY13-1
King Island, San Joaquin County, California

Dear Ms. Dermer:

PG&E is providing this May 2015 Monthly Report to EPA in compliance with UIC Permit R9UIC-CA5-FY13-1, Part II.E.5 for PG&E Test Injection/Withdrawal Well 1, located within King Island Gas Field, San Joaquin County, California. The May monitoring period extends from May 1 through 31, 2015 and includes all data collected during that time period. Prior data since the start of injection is also included.

This Report provides the following minimum required information:

Permit Reporting Requirements	Type of Information Provided[1]	Location of Information	Format of Information
Part II.E.5.a and b.: Submit the following quarterly, hourly, daily, and monthly parameters: • Injection rate, daily injection volume, total cumulative volume, wellhead injection pressure, annular pressure, and injection fluid temperature	Monitoring device data for I/W well	Attachment 1	Hard Copy and Electronic (PDF and Excel)

[1] The data provided includes hourly, daily and monthly data. Quarterly data will be presented beginning with the combined June Monthly and Second Quarter 2015 Quarterly Report, which is due to be submitted on July 28, 2015.

Permit Reporting Requirements	Type of Information Provided[1]	Location of Information	Format of Information
Part II.E.3.c.: Continuously monitored pressures and temperatures at the wellhead tubing and casing annulus of the Piacentine 1-27 observation well	Wellhead tubing and casing annulus data for Piacentine 1-27 well	Attachment 2	Hard Copy and Electronic (PDF and Excel)
Part II.E.5.e.: Submit Citizen Green 1 Well static bottomhole and wellhead pressures	Wellhead and calculated bottomhole pressure data for Citizen Green 1	Attachment 3	Hard Copy and Electronic (PDF and Excel)

In addition to the above monitoring data requirements for monthly reporting, PG&E is presenting the following information to address additional data evaluations that were performed during this reporting period:

Permit Reporting Requirements	Type of Information Provided	Location of Information	Format of Information
Part II.E.5.d.i.: Submit the following: • Fall-off Test Results • Shut-in static reservoir pressure cumulative behavior plot of the injection zone	Fall-off Test Results, including data and reservoir pressure plots (Submitted to the EPA on June 2, 2015)	Attachment 4	Hardcopy, and Electronic (PDF and Excel)
Part II.E.5.c.: Submit periodic analyses for injection fluid characteristics	Laboratory analytical report for sample collected at completion of oxygen depleted air injection.	Attachment 5	Hardcopy, and Electronic (PDF)
Part II.E.5.c.: Submit periodic analyses for injection fluid characteristics	Laboratory analytical report for sample collected at start-up of ambient air injection	Attachment 6	Hardcopy, and Electronic (PDF)
Part II.E.5.c.: Submit periodic analyses for injection fluid characteristics	Laboratory analytical report for sample collected at completion of ambient air injection.	Attachment 7	Hardcopy, and Electronic (PDF)

A sheet that contains the abbreviations used in Attachments 1 through 3 is included as Attachment 8.

STATUS OF COMPLIANCE

A document titled *Updated Evaluation of Annular Pressure-Temperature Relationship* was submitted to the EPA on May 1, 2015. The May 1, 2015 updated evaluation supported the conclusion that observed annular pressure increases were solely a reflection of the operating conditions and not related to a loss of mechanical integrity of the tubing string or casing. The

updated evaluation also supported the conclusion of the previous evaluation, that annular pressures are expected to remain between 30 and 600 psia during normal operating conditions. It was noted that, based on the updated evaluation, a strong possibility of higher atmospheric and equipment operating temperatures as the test continues, and the high sensitivity of annular pressure to temperature, an annular pressure limit of 600 psi was considered appropriate.

From May 1 through 9, 2015, measured annular pressures in Test Injection/Withdrawal Well 1 continued to exceed the EPA specified range limit of 30 to 200 psia. PG&E notified EPA within 24 hours of the exceedances. Details regarding the exceedances were presented in a letter dated May 14, 2015. This letter also included an evaluation of the exceedances and an updated evaluation of the annular pressure-temperature relationship. The updated evaluation indicated that annular pressure is influenced by a complex set of variables. In addition, it was noted that a leak in the tubing string or packer system would result in a characteristic departure (increase) from the established cyclical pressure-temperature response that would be evident long before the previously tested casing pressure of 2,500 psig is reached. Similarly, a casing leak would result in an observed departure (pressure decrease) relative to the established relationship. It was concluded that the existing temperature and pressure monitoring program would be adequate to assure mechanical integrity during the short period of time that the well would continue to operate. Once injection ceases, the amplitude of diurnal temperature-pressure fluctuations was expected to stabilize and remain below the reporting thresholds. As part of the May 14, 2015 extended evaluation of the annular pressure-temperature relationship, PG&E requested that EPA grant an annular pressure limit of 400 psia.

The EPA responded in a letter dated May 18, 2015 and recommended setting a maximum annulus pressure of 400 psia. The EPA also stipulated that if the annulus pressure exceeds the 400 psia limit for a period greater than 24 hours, the EPA must be notified in accordance with paragraphs 2.c, 6.b, and 6.c in part II.D of the permit.

Test Injection/Withdrawal Well 1 continued to operate in full compliance with UIC Permit No. R9UIC-CA5-FY13-1 during the May reporting period.

SCHEDULE

The compression test was completed on June 4, 2015. Now that the compression test is complete, the reporting frequency will be changed from monthly to quarterly. The June 2015 Monthly Report will be combined with the Second Quarter 2015 Report, and will be submitted to EPA by July 28, 2015. Subsequent quarterly reports will be submitted to EPA by the 28th day after the end of each calendar quarter.

This submittal includes hard copies of each of the five attachments as well as a data CD with electronic copies of this report and all attachments. Electronic copies of this report and all attachments are also available at the following Dropbox link.

https://www.dropbox.com/sh/mf2qnl5v016e78f/AABIm-gfjIKWPpVCKe7hUgA6a?dl=0

If you have any questions regarding this submittal or require additional information, please feel free to contact me at (415) 973-6270.

Sincerely,

Mike Medeiros
Manager, Renewable Energy Development

Cc: Mr. James Walker, EPA Consultant
Mr. Michael Woods, Division of Oil, Gas and Geothermal Resources
Ms. Anne L. Olson, Central Valley Regional Water Quality Control Board

Enclosures: Data CD with all attachments
Attachment 1 - Monitoring Device Data for I/W Well
Attachment 2 - Wellhead Tubing and Casing Annulus Data for Piacentine 1-27 Well
Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1
Attachment 4 - Falloff Test Report – May 1 - 3, 2015
Attachment 5 - Injection Fluid Analysis at Oxygen Depleted Air Injection Completion
Attachment 6 - Injection Fluid Analysis at Ambient Air Injection Start-up
Attachment 7 - Injection Fluid Analysis at Ambient Air Injection Completion
Attachment 8 - List of Abbreviations Used in Attachments 1 through 3

ATTACHMENT 1

Monitoring Device Data for I/W Well

Attachment 1 - Continuous Monitoring Device Data for I/W Well - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min.)	Number of Data Points	FE-004 - Injection Gas Flow Rate						Total Daily Injected Volume	FE-009 - Vented Gas Flow Rate						Total Daily Injected Volume	Net Cumulative Storage	TIT-002 (°F)			PIT-012 (PSIG)			PIT-018 (PSIG)		
						SCFM			MMSCFD				SCFM			MMSCFD					Temperature			Tubing Pressure			Annulus Pressure		
						Avg	Min	Max	Avg	Min	Max	MMSCF	Avg	Min	Max	Avg	Min	Max	MMSCF	MMSCF	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150113	01/13/15	14:23:01	23:59:56	09:36:55	6863	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.9	32.0	49.3	0.1	0.0	1.0	0.0	0.0	0.1
CAES150114	01/14/15	00:00:01	23:59:56	23:59:55	14498	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.9	28.1	78.4	0.0	0.0	1.0	0.0	0.0	0.2
CAES150115	01/15/15	00:00:01	23:59:56	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.9	41.1	53.2	0.0	0.0	0.1	0.0	0.0	0.0
CAES150116	01/16/15	00:00:01	09:52:26	09:52:25	7110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.8	43.7	46.2	0.0	0.0	0.0	0.0	0.0	0.0
	01/17/15								0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
	01/18/15								0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
CAES150119	01/19/15	10:59:06	23:59:56	13:00:50	9215	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.9	46.1	61.1	0.0	0.0	0.5	0.0	0.0	0.2
CAES150120	01/20/15	00:00:01	23:59:56	23:59:55	17277	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.8	39.5	73.3	0.0	0.0	0.8	0.0	0.0	0.5
CAES150121	01/21/15	00:00:01	23:59:56	23:59:55	16971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.5	38.7	76.4	0.0	0.0	0.6	0.0	0.0	0.5
CAES150122	01/22/15	00:00:00	23:59:55	23:59:55	17247	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.2	34.6	60.5	0.0	0.0	0.5	0.0	0.0	0.1
CAES150123	01/23/15	00:00:00	23:59:55	23:59:55	17241	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.9	34.4	64.8	0.0	0.0	892.8	0.0	0.0	7.4
CAES150124	01/24/15	00:00:00	07:28:10	07:28:10	5379	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.6	44.0	45.1	0.0	0.0	0.0	0.0	0.0	0.0
CAES150125	01/25/15								0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
CAES150126	01/26/15	08:28:45	23:59:55	15:31:10	11175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.3	42.1	81.0	0.0	0.0	0.0	130.4	0.0	2,980.7
CAES150127	01/27/15	00:00:00	16:59:00	16:59:00	12229	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	45.8	74.1	0.0	0.0	0.0	0.0	0.0	0.1
CAES150128	01/28/15								0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
CAES150129	01/29/15	07:46:05	23:59:55	16:13:50	11215	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.9	40.3	87.3	0.0	0.0	0.0	0.0	0.0	0.4
CAES150130	01/30/15	00:00:00	16:40:50	16:40:50	11837	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.5	37.9	95.6	0.0	0.0	0.0	0.0	0.0	0.3
CAES150131	01/31/15	15:36:35	23:59:55	08:23:20	6035	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.8	44.2	85.7	0.0	0.0	0.0	0.0	0.0	0.4
CAES150201	02/01/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.0	36.3	83.2	0.0	0.0	0.0	0.0	0.0	0.3
CAES150202	02/02/15	00:00:00	23:59:55	23:59:55	15827	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	1741.1	0.0	0.0	2.5	0.0	0.0	53.9	37.5	81.4	0.0	0.0	0.0	0.0	0.0	0.3
CAES150203	02/03/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.2	43.4	91.0	0.0	0.0	0.0	0.0	0.0	0.5
CAES150204	02/04/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	185.5	0.0	0.0	0.3	0.0	0.3	0.0	1287.3	0.0	0.0	1.9	0.0	0.0	54.2	42.3	76.0	0.0	0.0	0.0	0.0	0.0	0.2
CAES150205	02/05/15	00:00:00	23:59:55	23:59:55	17207	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.1	43.6	70.4	0.0	0.0	0.0	0.0	0.0	0.0
CAES150206	02/06/15	00:00:00	23:59:55	23:59:55	16349	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.7	48.6	67.6	0.0	0.0	0.0	0.0	0.0	0.2
CAES150207	02/07/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.2	55.2	77.6	0.0	0.0	0.4	0.0	0.0	0.4
CAES150208	02/08/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.8	55.8	64.8	0.0	0.0	0.0	0.0	0.0	0.2
CAES150209	02/09/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.6	45.2	91.2	0.0	0.0	0.0	0.0	0.0	0.8
CAES150210	02/10/15	00:00:00	23:59:55	23:59:55	17268	6.2	0.0	523.6	0.0	0.0	0.8	0.0	5.7	0.0	533.0	0.0	0.0	0.8	0.0	0.0	55.9	41.8	83.4	0.0	0.0	0.0	30.8	0.0	89.3
CAES150211	02/11/15	00:00:00	23:59:55	23:59:55	17280	25.3	0.0	1427.7	0.0	0.0	2.1	0.0	25.2	0.0	1427.2	0.0	0.0	2.1	0.0	0.0	59.3	38.4	96.4	0.9	0.0	5.9	84.0	83.1	84.9
CAES150212	02/12/15	00:00:00	23:59:55	23:59:55	17280	96.9	0.0	2018.5	0.1	0.0	2.9	0.1	95.4	0.0	2018.4	0.1	0.0	2.9	0.1	0.0	63.7	42.9	104.5	15.1	5.7	24.2	84.2	83.2	85.1
CAES150213	02/13/15	00:00:00	23:59:55	23:59:55	17280	492.7	0.0	5530.3	0.7	0.0	8.0	0.7	459.9	0.0	2967.9	0.7	0.0	4.3	0.7	0.0	64.6	42.9	106.5	725.1	24.1	1695.2	83.2	77.9	85.6
CAES150214	02/14/15	00:00:00	23:59:55	23:59:55	16079	673.6	0.0	3863.3	1.0	0.0	5.6	0.9	77.7	0.0	1763.0	0.1	0.0	2.5	0.1	0.8	67.8	42.4	111.3	1633.6	1620.0	1649.9	76.3	56.2	85.7
CAES150215	02/15/15	00:00:00	23:59:55	23:59:55	17280	1244.3	0.0	1704.8	1.8	0.0	2.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	73.5	56.4	91.4	1629.3	1621.3	1630.8	47.8	43.2	56.9
CAES150216	02/16/15	00:00:00	23:59:55	23:59:55	17280	1296.1	887.5	1491.5	1.9	1.3	2.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	75.9	61.6	91.4	1630.6	1629.4	1631.5	41.0	36.8	44.9
CAES150217	02/17/15	00:00:00	23:59:55	23:59:55	17280	359.3	0.0	1572.8	0.5	0.0	2.3	0.5	0.4	0.0	836.4	0.0	0.0	1.2	0.0	5.0	64.4	50.3	86.4	1622.1	1616.5	1632.1	47.4	35.6	58.4
CAES150218	02/18/15	00:00:00	23:59:55	23:59:55	17198	208.2	0.0	3092.2	0.3	0.0	4.5	0.3	112.1	0.0	2006.7	0.2	0.0	2.9	0.2	5.2	59.4	44.0	82.4	1616.7	1615.3	1625.9	62.6	56.3	66.6
CAES150219	02/19/15	00:00:00	23:59:55	23:59:55	17243	1113.6	0.0	1421.6	1.6	0.0	2.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	66.9	50.0	73.2	1628.1	1617.7	1631.6	46.7	38.9	60.5
CAES150220	02/20/15	00:00:00	23:59:55	23:59:55	16689	1029.5	0.0	3335.9	1.5	0.0	4.8	1.4	31.9	0.0	3441.5	0.0	0.0	5.0	0.0	8.2	71.1	57.9	102.8	1628.7	1620.3	1632.1	40.8	36.0	48.0
CAES150221	02/21/15	00:00:00	23:59:55	23:59:55	17280	1390.1	997.5	1497.4	2.0	1.4	2.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	70.0	63.6	80.7	1632.7	1631.4	1633.8	35.1	33.3	38.2
CAES150222	02/22/15	00:00:00	23:59:55	23:59:55	17280	1373.3	608.8	1513.0	2.0	0.9	2.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	70.9	61.0	85.2	1633.6	1632.2	1634.6	33.8	31.4	36.6
CAES150223	02/23/15	00:00:00	23:59:55	23:59:55	17280	1811.7	0.0	2601.8	2.6	0.0	3.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	69.8	59.3	85.8	1637.5	1634.2	1643.3	31.3	26.1	35.2
CAES150224	02/24/15	00:00:00	23:59:55	23:59:55	17280	2823.1	496.0	3705.8	4.1	0.7	5.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	70.2	54.7	87.7	1647.5	1639.7	1654.1	25.3	21.9	29.1
CAES150225	02/25/15	00:00:00	23:59:55	23:59:55	17280	2686.9	0.0	3984.1	3.9	0.0	5.7	3.9	3.6	0.0	1223.8	0.0	0.0	1.8	0.0	22.7	71.7	57.1	101.3	1650.2	1631.8	1657.0	25.6	20.2	33.8
CAES150226	02/26/15	00:00:00	23:59:55	23:59:55	17280	3209.1	0.0	3953.0	4.6	0.0	5.7	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.3	76.1	60.0	94.4	1656.5	1641.1	1661.3	27.0	20.6	34.8
CAES150227	02/27/15	00:00:00	23:59:55	23:59:55	17274	3821.1	0.0	4080.1	5.5	0.0	5.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.8	79.6	73.2	89.9	1664.1	1649.7	1667.4	32.3	29.0	36.5
CAES150228	02/28/15	00:00:00	23:59:55	23:59:55	17280	4062.9	0.0	4411.5	5.9	0.0	6.4	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.6	75.1	66.0	86.7	1669.5	1656.7	1672.5	30.9	28.7	33.4
CAES150301	03/01/15	00:00:00	23:59:55	23:59:55	17280	3716.9	561.9	4296.0	5.4	0.8	6.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	73.7	60.1	86.1	1670.1	1663.3	1675.0	30.4	27.7	34.2
CAES150302	03/02/15	00:00:00	23:59:55	23:59:55	17280	4043.3	2141.6	4320.5	5.8	3.1	6.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	76.0	65.8	90.1	1676.0	1669.0	1678.1	32.0	28.6	37.1
CAES150303	03/03/15	00:00:00	23:59:55	23:59:55	17280	2624.0	0.0	6104.3	3.8	0.0	8.8	3.8	221.8	0.0	3693.7	0.3	0.0	5.3	0.3	53.3	71.5	49.5	107.3	1668.8	1656.1	1678.5	33.6	25.6	43.1
CAES150304	03/04/15	00:00:00	23:59:55	23:59:55	17280	4127.3	0.0	4325.6	5.9	0.0	6.2	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.2	73.8	60.1	88.0	1678.9	1663.3	1682.5	30.2	25.5	34.5
CAES150305	03/05/15	00:00:00	23:59:55	23:59:55	17280	4162.7	0.0	4366.0	6.0	0.0	6.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.2	74.9	58.2	92.2	1684.0	1674.2	1687.0	31.3	25.4	37.1
CAES150306	03/06/15	00:00:00	23:59:55	23:59:55	17280	4135.9	1344.0	4395.3	6.0	1.9	6.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.2	78.0	61.8	94.9	1688.0	1677.9	1690.7	34.6	27.9	41.8
CAES150307	03/07/15	00:00:00	23:59:55	23:59:55	17280	4169.3	3891.4	4423.4	6.0	5.6	6.4	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.2	79.9	63.1	95.3	1691.9	1689.8	1694.2	38.9	31.4	46.5
CAES150308	03/08/15	00:00:00	23:59:55	23:59:55	16560	4130.1	3900.5	4356.6	5.9	5.6	6.3	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.9	80.8	61.8	98.5	1695.0	1693.2	1697.5	41.4	33.2	50.1
CAES150309	03/09/15	00:00:00	23:59:55	23:59:55	17280	4134.2	3890.0	4284.0	6.0	5.6	6.2	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.8	81.8	66.4	97.7	1698.3	1696.7	1700.8	44.4	36.5	53.5
CAES150310	03/10/15	00:00:00	23:59:55	23:59:55	17280	3927.0	0.0	5470.4	5.7	0.0	7.9	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.5	81.8	63.3	100.7	1700.6	1688.1	1711.9	47.0	39.2	54.6
CAES150311	03/11/15	00:00:00	23:59:55	23:59:55	17280	4379.3	0.0	5652.3	6.3	0.0	8.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.8	80.6	72.2	90.2	1705.9	1689.6	1711.8	47.1	43.3	50.7
CAES150312	03/12/15	00:00:00	23:59:55	23:59:55	17280	4462.6	3538.5	6853.1	6.4	5.1	9.9	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107.2	82.7	68.6	97.8	1709.4	1706.8	1716.8	46.6	38.0	56.7
CAES150313	03/13/15	00:00:00	23:59:55	23:59:55	17280	4698.2	0.0	5729.7	6.8	0.0	8.3	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114.0	87.0	73.2	105.3	1714.9	1697.8	1721.6	57.1	45.3	72.7
CAES150314	03/14/15	00:00:00	23:59:55	23:59:55	17069	4546.0	0.0	5668.0	6.5	0.0	8.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120.5	92.3	76.1	116.2	1718.9	1704.1	1725.5	68.0	52.6	83.8
CAES150315	03/15/15	00:00:00	23:59:55	23:59:55	17280	3788.5	0.0	4426.6	5.5	0.0	6.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	126.0	87.5	78.8	100.8	1715.5	1705.3	1720.5	68.8	62.4	75.8
CAES150316	03/16/15	00:00:00	23:59:55	23:59:55	17280	4688.9	0.0	7457.3	6.8	0.0	10.7	6.8	26.8	0.0	4335.1	0.0	0.0	6.2	0.0	132.7	83.0	73.5	106.8	1720.7	1704.7	1728.1	58.2	50.9	65.8
CAES150317	03/17/15	00:00:00	23:59:55	23:59:55	17280	5610.9	5394.4	5731.9	8.1	7.8	8.3	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140.8	86.1	74.1	98.1	1730.7	1727.9	1733.5	61.1	49.5	75.4
CAES150318	03/18/15	00:00:00	23:59:55	23:59:55	17280	4546.3	0.0	6799.9	6.5	0.0	9.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	147.3	84.3	68.5	99.9	1728.7	1715.2	1735.7	60.3	48.8	72.1
CAES150319	03/19/15	00:00:00	23:59:55	23:59:55	17280	3986.0	0.0	4571.9	5.7	0.0	6.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153.1	85.1	66.9	103.3	1726.8	1714.9	1729.4	61.1	48.8	73.4
CAES150320	03/20/15	00:00:00	23:59:55	23:59:55	17238	4279.0	0.0	4595.9	6.2	0.0	6.6	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	159.2	83.7	69.7	97.8	1729.7	1717.4	1732.2	60.7	50.6	70.2
CAES150321	03/21/15	00:00:00	23:59:55	23:59:55	17280	4395.3	2780.5	4516.0	6.3	4.0	6.5	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165.6	86.4	74.6	99.6	1732.9	1727.3	1734.9	62.8	52.8	74.3
CAES150322	03/22/15	00:00:00	23:59:55	23:59:55	17280	4443.5	2923.6	4586.8	6.4	4.2	6.6	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172.0	85.2	76.1	98.8	1735.6	1731.8	1737.2	64.2	55.9	72.4
CAES150323	03/23/15	00:00:00	23:59:55	23:59:55	17280	4460.5	2421.2	4588.1	6.4	3.5	6.6	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178.4	82.8	72.5	93.0	1737.6	1731.3	1739.3	60.0	53.4	66.7
CAES150324	03/24/15	00:00:00	23:59:55	23:59:55	17280	4407.3	0.0	4577.2	6.3	0.0	6.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	184.7	83.6	73.3	96.3	1739.7	1729.5	1741.4	58.6	50.9	67.4
CAES150325	03/25/15	00:00:00	23:59:55	23:59:55	17280	2993.8	0.0	6742.8	4.3	0.0	9.7	4.3	15.1	0.0	1256.7	0.0	0.0	1.8	0.0	189.0	85.5	71.2	117.6	1735.8	1723.6	1748.9	59.5	50.8	68.2
CAES150326	03/26/15	00:00:00	23:59:55	23:59:55	17280	6497.4	2505.2	7089.5	9.4	3.6	10.2	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198.4	91.4	74.0	109.1	1755.0	1738.7	1762.7	75.6	49.7	114.6

Attachment 1 - Continuous Monitoring Device Data for I/W Well - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min.)	Number of Data Points	FE-004 - Injection Gas Flow Rate						Total Daily Injected Volume	FE-009 - Vented Gas Flow Rate						Total Daily Injected Volume	Net Cumulative Storage	TIT-002 (°F)			PIT-012 (PSIG)			PIT-018 (PSIG)		
						SCFM			MMSCFD				SCFM			MMSCFD					Temperature			Tubing Pressure			Annulus Pressure		
						Avg	Min	Max	Avg	Min	Max	MMSCF	Avg	Min	Max	Avg	Min	Max	MMSCF	MMSCF	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150327	03/27/15	00:00:00	23:59:55	23:59:55	17280	6829.3	6490.8	7064.4	9.8	9.3	10.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	208.2	91.6	76.1	109.0	1764.9	1761.8	1768.8	98.3	63.3	139.8
CAES150328	03/28/15	00:00:00	23:59:55	23:59:55	17280	6505.7	0.0	7244.0	9.4	0.0	10.4	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	217.6	90.8	75.3	108.2	1768.9	1749.4	1774.1	101.3	68.9	144.3
CAES150329	03/29/15	00:00:00	23:59:55	23:59:55	17280	5641.4	5401.8	5864.7	8.1	7.8	8.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	225.7	91.6	73.7	110.0	1766.0	1764.1	1768.4	102.6	69.8	140.3
CAES150330	03/30/15	00:00:00	23:59:55	23:59:55	17280	6233.9	0.0	7073.2	9.0	0.0	10.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	234.7	90.7	73.8	109.9	1772.4	1756.0	1783.5	107.7	71.9	151.9
CAES150331	03/31/15	00:00:00	23:59:55	23:59:55	17280	5880.4	5654.6	6100.2	8.5	8.1	8.8	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	243.1	88.3	77.4	100.5	1773.7	1772.4	1775.4	97.7	82.3	115.1
CAES150401	04/01/15	00:00:00	23:59:55	23:59:55	17280	1774.2	0.0	6148.2	2.6	0.0	8.9	2.6	0.4	0.0	728.9	0.0	0.0	1.0	0.0	245.7	70.3	51.5	89.4	1758.7	1748.0	1775.3	77.3	58.3	88.6
CAES150402	04/02/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	245.7	63.6	48.3	88.3	1745.1	1742.9	1748.2	92.1	88.1	95.1
CAES150403	04/03/15	00:00:00	23:59:55	23:59:55	16140	4377.5	0.0	7212.4	6.3	0.0	10.4	5.9	277.4	0.0	6807.1	0.4	0.0	9.8	0.4	251.2	76.7	42.8	106.1	1759.8	1739.6	1776.4	94.7	77.4	111.5
CAES150404	04/04/15	00:00:00	23:59:55	23:59:55	17280	6775.3	2581.7	7109.5	9.8	3.7	10.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	261.0	85.5	68.8	100.9	1779.0	1768.4	1783.9	72.6	53.5	92.6
CAES150405	04/05/15	00:00:00	23:59:55	23:59:55	17280	6878.7	0.0	7173.7	9.9	0.0	10.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	270.9	81.2	70.6	94.1	1785.0	1764.0	1787.6	62.9	54.6	76.2
CAES150406	04/06/15	00:00:00	23:59:55	23:59:55	17280	6880.7	6369.8	7130.9	9.9	9.2	10.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	280.8	82.6	67.5	99.4	1789.0	1785.1	1792.9	56.8	42.1	73.8
CAES150407	04/07/15	00:00:00	23:59:55	23:59:55	17280	6840.3	0.0	8475.0	9.9	0.0	12.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	290.6	81.2	71.5	92.7	1793.5	1770.7	1798.8	60.3	50.8	66.7
CAES150408	04/08/15	00:00:00	23:59:55	23:59:55	17280	6908.9	6540.1	7184.6	9.9	9.4	10.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	300.6	78.7	68.8	89.5	1796.6	1794.4	1799.3	49.3	40.7	59.2
CAES150409	04/09/15	00:00:00	23:59:55	23:59:55	17280	6845.3	0.0	7095.7	9.9	0.0	10.2	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	310.4	81.2	67.4	94.1	1800.3	1779.5	1809.0	52.5	39.0	68.5
CAES150410	04/10/15	00:00:00	23:59:55	23:59:55	17280	5638.1	5468.6	5823.5	8.1	7.9	8.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	318.5	85.1	69.8	101.4	1797.4	1795.6	1799.2	64.7	49.1	84.4
CAES150411	04/11/15	00:00:00	23:59:55	23:59:55	17280	5612.5	0.0	5802.0	8.1	0.0	8.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	326.6	87.5	72.4	102.2	1799.8	1784.1	1807.6	73.6	54.8	95.1
CAES150412	04/12/15	00:00:00	23:59:55	23:59:55	17280	5225.5	0.0	5823.0	7.5	0.0	8.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	334.2	90.3	74.6	105.9	1801.1	1784.8	1804.7	85.8	63.0	113.9
CAES150413	04/13/15	00:00:00	23:59:55	23:59:55	17280	5486.8	0.0	5786.8	7.9	0.0	8.3	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	342.1	88.8	74.9	106.0	1804.7	1787.6	1807.4	91.6	71.1	112.2
CAES150414	04/14/15	00:00:00	23:59:55	23:59:55	17280	6363.3	2546.7	7169.8	9.2	3.7	10.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	351.2	84.4	71.5	95.2	1811.6	1793.0	1817.9	78.1	63.6	92.1
CAES150415	04/15/15	00:00:00	23:59:55	23:59:55	17280	6937.0	6701.2	7150.9	10.0	9.6	10.3	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	361.2	87.9	75.4	102.2	1819.6	1817.1	1823.4	81.5	57.8	114.8
CAES150416	04/16/15	00:00:00	23:59:55	23:59:55	17280	3794.1	0.0	7157.5	5.5	0.0	10.3	5.5	0.4	0.0	528.6	0.0	0.0	0.8	0.0	366.7	84.0	60.8	108.3	1812.3	1796.4	1823.6	82.0	62.3	97.8
CAES150417	04/17/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	366.7	72.7	46.1	109.6	1792.4	1789.5	1796.5	93.9	90.8	96.9
CAES150418	04/18/15	00:00:00	23:59:55	23:59:55	14138	3091.6	0.0	5500.9	4.5	0.0	7.9	4.5	9.4	0.0	1348.2	0.0	0.0	1.9	0.0	371.1	86.1	51.0	109.4	1798.0	1788.9	1809.6	97.4	82.3	117.1
CAES150419	04/19/15	00:00:00	23:59:55	23:59:55	17280	5472.1	5200.0	5681.2	7.9	7.5	8.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	379.0	92.2	76.7	110.6	1812.7	1809.4	1816.2	102.5	75.2	138.7
CAES150420	04/20/15	00:00:00	23:59:55	23:59:55	17280	5851.2	2271.1	6846.8	8.4	3.3	9.9	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	387.4	90.4	79.5	105.6	1819.3	1806.9	1826.4	105.3	82.0	135.5
CAES150421	04/21/15	00:00:00	23:59:55	23:59:55	17280	6316.6	0.0	6959.0	9.1	0.0	10.0	9.1	16.1	0.0	1544.7	0.0	0.0	2.2	0.0	396.5	89.0	78.9	113.4	1826.1	1803.1	1834.3	102.4	84.9	125.0
CAES150422	04/22/15	00:00:00	23:59:55	23:59:55	17280	6400.5	2415.9	6945.1	9.2	3.5	10.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	405.7	89.6	76.3	107.8	1830.2	1817.7	1834.7	94.2	71.3	129.3
CAES150423	04/23/15	00:00:00	23:59:55	23:59:55	17280	6733.5	6391.2	7050.5	9.7	9.2	10.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	415.4	91.5	77.2	109.3	1836.4	1833.9	1839.8	113.8	79.4	153.5
CAES150424	04/24/15	00:00:00	23:59:55	23:59:55	16748	4618.6	0.0	6908.6	6.7	0.0	9.9	6.4	15.4	0.0	2887.7	0.0	0.0	4.2	0.0	421.8	85.6	53.7	117.7	1830.8	1812.9	1840.0	115.2	104.8	127.0
CAES150425	04/25/15	00:00:00	23:59:55	23:59:55	17280	6725.7	5362.8	6953.2	9.7	7.7	10.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	431.5	90.0	82.1	99.8	1840.4	1835.4	1844.1	105.4	88.8	129.3
CAES150426	04/26/15	00:00:00	23:59:55	23:59:55	17280	6740.2	6403.9	6989.2	9.7	9.2	10.1	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.2	92.5	79.0	106.8	1845.5	1843.3	1849.0	117.6	83.2	164.3
CAES150427	04/27/15	00:00:00	23:59:55	23:59:55	17280	6627.6	6287.7	6931.0	9.5	9.1	10.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	450.8	97.3	82.9	115.3	1850.1	1847.8	1854.1	154.9	104.4	223.6
CAES150428	04/28/15	00:00:00	23:59:55	23:59:55	17280	6641.8	6254.6	6928.9	9.6	9.0	10.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	460.3	97.3	82.5	115.0	1854.6	1852.6	1857.5	185.2	129.5	252.8
CAES150429	04/29/15	00:00:00	23:59:55	23:59:55	17280	6650.4	6330.7	6957.3	9.6	9.1	10.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	469.9	96.6	79.7	113.5	1857.9	1855.7	1860.9	178.9	118.9	252.3
CAES150430	04/30/15	00:00:00	23:59:55	23:59:55	17280	6569.0	6201.4	6894.2	9.5	8.9	9.9	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.4	99.5	81.4	117.2	1861.4	1858.9	1864.8	204.2	127.8	293.3
CAES150501	05/01/15	00:00:00	23:59:55	23:59:55	17280	3186.2	0.0	6818.5	4.6	0.0	9.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	483.9	93.4	64.8	118.7	1852.4	1838.3	1864.8	181.1	156.5	255.7
CAES150502	05/02/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	483.9	75.2	52.8	111.1	1834.8	1832.0	1838.5	145.5	137.9	156.8
CAES150503	05/03/15	00:00:00	23:59:55	23:59:55	17280	3287.9	0.0	6807.4	4.7	0.0	9.8	4.7	0.2	0.0	859.9	0.0	0.0	1.2	0.0	488.7	78.4	50.2	134.9	1842.1	1830.1	1856.8	140.8	124.2	164.0
CAES150504	05/04/15	00:00:00	23:59:55	23:59:55	17280	3246.2	0.0	6892.2	4.7	0.0	9.9	4.7	294.0	0.0	6375.9	0.4	0.0	9.2	0.4	492.9	80.4	50.2	100.0	1846.9	1829.5	1859.4	112.6	94.3	125.0
CAES150505	05/05/15	00:00:00	23:59:55	23:59:55	17280	1343.3	0.0	6818.3	1.9	0.0	9.8	1.9	1954.8	0.0	29883.6	2.8	0.0	43.0	2.8	492.0	73.7	43.4	117.2	1821.2	1474.1	1851.3	149.6	120.9	234.6
CAES150506	05/06/15	00:00:00	23:59:55	23:59:55	17280	3763.8	0.0	8130.2	5.4	0.0	11.7	5.4	6048.9	0.0	16352.2	8.7	0.0	23.5	8.7	488.8	85.7	69.6	100.2	1789.9	1689.1	1853.7	181.9	78.8	301.6
CAES150507	05/07/15	00:00:00	23:59:55	23:59:55	17280	3542.8	0.0	8735.0	5.1	0.0	12.6	5.1	6450.0	0.0	16966.9	9.3	0.0	24.4	9.3	484.6	87.7	76.0	97.7	1777.8	1665.9	1849.1	219.7	119.5	344.8
CAES150508	05/08/15	00:00:00	23:59:55	23:59:55	17280	3303.9	0.0	6883.7	4.8	0.0	9.9	4.8	4335.2	0.0	11205.6	6.2	0.0	16.1	8.9	480.4	86.4	68.9	100.8	1775.3	1668.1	1843.8	228.4	103.4	352.7
CAES150509	05/09/15	00:00:00	23:59:55	23:59:55	17280	2222.1	0.0	6907.6	3.2	0.0	9.9	3.2	3.9	0.0	6345.7	0.0	0.0	9.1	0.0	483.6	80.4	55.8	99.4	1826.5	1819.9	1840.1	138.8	113.0	200.7
CAES150510	05/10/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	380.2	0.0	0.0	0.5	0.0	483.6	69.8	45.8	105.9	1819.1	1818.2	1820.2	138.0	135.4	140.7
CAES150511	05/11/15	00:00:00	23:59:55	23:59:55	17242	1408.2	0.0	6690.2	2.0	0.0	9.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	485.6	73.6	48.3	98.4	1822.2	1812.7	1839.8	128.0	92.4	135.9
CAES150512	05/12/15	00:00:00	23:59:55	23:59:55	17256	3808.3	0.0	8604.2	5.5	0.0	12.4	5.5	1931.6	0.0	21727.1	2.8	0.0	31.3	2.8	488.3	84.3	66.5	96.4	1820.7	1626.3	1845.4	109.9	77.6	226.8
CAES150513	05/13/15	00:00:00	23:59:55	23:59:55	17280	4224.8	0.0	7784.7	6.1	0.0	11.2	6.1	4042.1	0.0	20766.0	5.8	0.0	29.9	5.8	488.6	85.0	75.6	96.0	1796.7	1640.6	1844.7	149.8	79.0	335.0
CAES150514	05/14/15	00:00:00	23:59:55	23:59:55	17268	4681.6	0.0	7143.9	6.7	0.0	10.3	6.7	5847.4	0.0	31499.4	8.4	0.0	45.4	8.4	486.9	85.6	74.8	97.2	1772.9	1478.1	1844.9	165.1	85.1	399.7
CAES150515	05/15/15	00:00:00	23:59:55	23:59:55	17280	3150.6	0.0	7177.8	4.5	0.0	10.3	4.5	6349.7	0.0	31476.4	9.1	0.0	45.3	9.1	482.3	80.1	51.9	99.4	1757.0	1465.5	1841.8	190.4	90.9	426.5
CAES150516	05/16/15	00:00:00	23:59:55	23:59:55	12844	287.3	0.0	7509.3	0.4	0.0	10.8	0.3	292.1	0.0	8061.7	0.4	0.0	11.6	0.3	482.3	68.6	47.7	112.5	1810.6	1808.5	1811.9	172.5	151.5	217.7
CAES150517	05/17/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	482.3	66.5	49.3	94.4	1811.9	1811.5	1812.4	144.0	138.5	151.8
CAES150518	05/18/15	00:00:00	23:59:55	23:59:55	17280	213.5	0.0	7641.9	0.3	0.0	11.0	0.3	306.4	0.0	8845.3	0.4	0.0	12.7	0.4	482.2	68.9	51.3	97.5	1811.8	1807.7	1813.9	135.7	133.0	138.8
CAES150519	05/19/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	482.2	69.7	46.9	103.3	1811.4	1810.8	1811.9	131.5	129.9	133.4
CAES150520	05/20/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	482.2	68.8	48.1	103.0	1811.0	1810.4	1811.4	129.0	127.8	130.5
CAES150521	05/21/15	00:00:00	23:59:55	23:59:55	17280	2835.9	0.0	7867.9	4.1	0.0	11.3	4.1	22.8	0.0	5964.1	0.0	0.0	8.6	0.0	486.2	78.3	50.7	99.8	1815.0	1795.3	1832.8	109.8	87.3	128.3
CAES150522	05/22/15	00:00:00	23:59:55	23:59:55	17280	5438.9	0.0	7799.6	7.8	0.0	11.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	494.0	88.9	79.7	102.0	1828.7	1809.8	1839.5	85.1	70.7	100.5
CAES150523	05/23/15	00:00:00	23:59:55	23:59:55	17280	7479.9	0.0	7787.4	10.8	0.0	11.2	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	504.8	90.9	78.0	103.5	1843.8	1815.5	1849.8	103.7	69.7	155.3
CAES150524	05/24/15	00:00:00	23:59:55	23:59:55	17280	7667.4	7415.6	7924.2	11.0	10.7	11.4	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	515.9	93.9	80.0	111.6	1853.8	1849.1	1858.8	147.0	86.1	234.5
CAES150525	05/25/15	00:00:00	23:59:55	23:59:55	17280	7222.9	0.0	8007.1	10.4	0.0	11.5	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	526.3	90.8	78.9	106.8	1857.8	1828.0	1864.2	137.9	90.9	200.3
CAES150526	05/26/15	00:00:00	23:59:55	23:59:55	17280	5472.4	0.0	8657.2	7.9	0.0	12.5	7.9	190.8	0.0	9082.2	0.3	0.0	13.1	0.3	533.9	89.6	76.7	103.5	1853.3	1833.0	1864.4	111.8	93.2	135.9
CAES150527	05/27/15	00:00:00	23:59:55	23:59:55	17042	5842.5	0.0	8195.1	8.4	0.0	11.8	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	542.2	91.1	80.5	105.2	1857.7	1833.7	1868.4	100.6	82.1	118.9
CAES150528	05/28/15	00:00:00	23:59:55	23:59:55	17280	5879.4	0.0	8229.8	8.5	0.0	11.9	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	550.6	92.7	78.8	107.2	1861.9	1838.9	1872.7	102.9	75.7	136.7
CAES150529	05/29/15	00:00:00	23:59:55	23:59:55	17280	5835.3	0.0	8216.0	8.4	0.0	11.8	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	559.0	95.2	78.7	113.3	1865.6	1842.3	1876.6	111.8	80.1	149.4
CAES150530	05/30/15	00:00:00	23:59:55	23:59:55	16436	691.7	0.0	8188.0	1.0	0.0	11.8	0.9	6341.4	0.0	29582.5	9.1	0.0	42.6	8.7	551.3	79.0	50.3	104.6	1788.0	1522.6	1876.9	154.8	121.6	254.2
CAES150531	05/31/15	00:00:00	23:59:55	23:59:55	17280	82.8	0.0	458.4	0.1	0.0	0.7	0.1	20870.4	19396.9	22035.3	30.1	27.9	31.7	30.1	521.4	91.7	87.7	94.1	1598.0	1572.7	1627.8	379.5	254.2	479.1
		February Monthly Data (Operating Conditions Only)				1863.6	0.0	4411.5	2.7	0.0	6.4	2.6	15.1	0.0	3441.5	0.0	0.0	5.0	0.0	38.6	71.4	42.4	111.3	1638.8	1615.3	1672.5	38.8	20.2	85.7
		March Monthly Data (Operating Conditions Only)				4596.0	0.0	7457.3	6.6	0.0	10.7	6.6	8.5	0.0	4335.1	0.0	0.0	6.2	0.0	204.5	83.6	49.5	117.6	1720.5	1656.1	1783.5	59.4	25.4	151.9
		April Monthly Data (Operating Conditions Only)				5480.1	0.0	8475.0	7.9	0.0	12.2	7.3	11.8	0.0	6807.1	0.0	0.0	9.8	0.0	236.2	85.9	42.8	117.7	1810.4	1739.6	1864.8	98.2	39.0	293.3
		May Monthly Data (Operating Conditions Only)				3120.3	0.0	8735.0	4.5	0.0	12.6	4.5	2171.6	0.0	31499.4	3.1	0.0	45.4	3.1	42.0	82.2	43.4	134.9	1814.2	1465.5	1876.9	149.4	69.7	479.1

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
02/08/15	01:00:00	56.4	0.0	0.0	0.0	0.0	0.0
02/08/15	02:00:00	57.5	0.0	0.0	0.0	0.0	0.0
02/08/15	03:00:00	57.8	0.0	0.0	0.0	0.0	0.0
02/08/15	04:00:00	57.3	0.0	0.0	0.0	0.0	0.0
02/08/15	05:00:00	57.3	0.0	0.0	0.0	0.0	0.0
02/08/15	06:00:00	58.6	0.0	0.0	0.0	0.0	0.0
02/08/15	07:00:00	58.9	0.0	0.0	0.0	0.0	0.0
02/08/15	08:00:00	59.1	0.0	0.0	0.0	0.0	0.0
02/08/15	09:00:00	57.9	0.0	0.0	0.0	0.0	0.0
02/08/15	10:00:00	58.2	0.0	0.0	0.0	0.0	0.0
02/08/15	11:00:00	61.3	0.0	0.0	0.0	0.0	0.0
02/08/15	12:00:00	62.6	0.0	0.0	0.0	0.0	0.0
02/08/15	13:00:00	61.3	0.0	0.0	0.0	0.0	0.0
02/08/15	14:00:00	61.1	0.0	0.0	0.0	0.0	0.0
02/08/15	15:00:00	62.9	0.0	0.0	0.0	0.0	0.0
02/08/15	16:00:00	62.1	0.0	0.0	0.0	0.0	0.0
02/08/15	17:00:00	63.7	0.0	0.0	0.0	0.0	0.0
02/08/15	18:00:00	63.8	0.0	0.0	0.0	0.0	0.0
02/08/15	19:00:00	61.7	0.0	0.0	0.0	0.0	0.0
02/08/15	20:00:00	61.3	0.0	0.0	0.0	0.0	0.0
02/08/15	21:00:00	59.8	0.0	0.0	0.0	0.0	0.0
02/08/15	22:00:00	58.5	0.0	0.0	0.0	0.0	0.0
02/08/15	23:00:00	57.8	0.0	0.0	0.0	0.0	0.0
02/09/15	00:00:00	58.4	0.0	0.0	0.0	0.0	0.0
02/09/15	01:00:00	59.1	0.0	0.0	0.0	0.0	0.0
02/09/15	02:00:00	57.1	0.0	0.0	0.0	0.0	0.0
02/09/15	03:00:00	55.6	0.0	0.0	0.0	0.0	0.0
02/09/15	04:00:00	56.5	0.0	0.0	0.0	0.0	0.0
02/09/15	05:00:00	57.2	0.0	0.0	0.0	0.0	0.0
02/09/15	06:00:00	56.9	0.0	0.0	0.0	0.0	0.0
02/09/15	07:00:00	56.0	0.0	0.0	0.0	0.0	0.0
02/09/15	08:00:00	55.6	0.0	0.0	0.0	0.0	0.0
02/09/15	09:00:00	60.8	0.0	0.0	0.0	0.0	0.0
02/09/15	10:00:00	71.9	0.0	0.0	0.0	0.0	0.0
02/09/15	11:00:00	81.5	0.0	0.0	0.0	0.0	0.0
02/09/15	12:00:00	87.4	0.0	0.1	0.0	0.0	0.0
02/09/15	13:00:00	90.0	0.0	0.2	0.0	0.0	0.0
02/09/15	14:00:00	87.5	0.0	0.3	0.0	0.0	0.0
02/09/15	15:00:00	89.9	0.0	0.4	0.0	0.0	0.0
02/09/15	16:00:00	86.6	0.0	0.2	0.0	0.0	0.0
02/09/15	17:00:00	80.5	0.0	0.1	0.0	0.0	0.0
02/09/15	18:00:00	68.7	0.0	0.0	0.0	0.0	0.0
02/09/15	19:00:00	60.4	0.0	0.0	0.0	0.0	0.0
02/09/15	20:00:00	56.3	0.0	0.0	0.0	0.0	0.0
02/09/15	21:00:00	53.4	0.0	0.0	0.0	0.0	0.0
02/09/15	22:00:00	50.6	0.0	0.0	0.0	0.0	0.0
02/09/15	23:00:00	48.3	0.0	0.0	0.0	0.0	0.0
02/10/15	00:00:00	45.9	0.0	0.0	0.0	0.0	0.0
02/10/15	01:00:00	45.2	0.0	0.0	0.0	0.0	0.0
02/10/15	02:00:00	45.7	0.0	0.0	0.0	0.0	0.0
02/10/15	03:00:00	45.7	0.0	0.0	0.0	0.0	0.0
02/10/15	04:00:00	45.1	0.0	0.0	0.0	0.0	0.0
02/10/15	05:00:00	44.1	0.0	0.0	0.0	0.0	0.0
02/10/15	06:00:00	42.9	0.0	0.0	0.0	0.0	0.0
02/10/15	07:00:00	42.3	0.0	0.0	0.0	0.0	0.0
02/10/15	08:00:00	42.4	0.0	0.0	0.0	0.0	0.0
02/10/15	09:00:00	50.5	0.0	0.0	0.0	0.0	0.0
02/10/15	10:00:00	62.4	0.0	0.0	0.0	0.0	0.0
02/10/15	11:00:00	71.3	0.0	0.0	0.0	0.0	0.0
02/10/15	12:00:00	75.4	0.0	0.0	0.0	0.0	0.0
02/10/15	13:00:00	77.4	0.0	0.0	0.0	0.0	0.0
02/10/15	14:00:00	80.7	0.0	0.0	0.0	0.0	0.0
02/10/15	15:00:00	77.9	0.0	0.0	0.0	0.0	0.0
02/10/15	16:00:00	70.0	0.0	69.4	0.0	0.0	0.0
02/10/15	17:00:00	67.5	0.0	84.9	0.0	0.0	0.0
02/10/15	18:00:00	62.3	0.0	84.8	0.2	0.2	0.0
02/10/15	19:00:00	56.0	0.0	84.7	0.0	0.0	0.0

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/10/15	20:00:00	51.6	0.0	84.6	0.0	0.0	0.0
02/10/15	21:00:00	48.9	0.0	84.5	0.0	0.0	0.0
02/10/15	22:00:00	46.4	0.0	84.3	0.0	0.0	0.0
02/10/15	23:00:00	44.8	0.0	84.2	0.0	0.0	0.0
02/11/15	00:00:00	44.3	0.0	84.1	0.0	0.0	0.0
02/11/15	01:00:00	42.9	0.0	84.0	0.0	0.0	0.0
02/11/15	02:00:00	42.1	0.0	83.9	0.0	0.0	0.0
02/11/15	03:00:00	41.6	0.0	83.8	0.0	0.0	0.0
02/11/15	04:00:00	41.3	0.0	83.7	0.0	0.0	0.0
02/11/15	05:00:00	40.4	0.0	83.6	0.0	0.0	0.0
02/11/15	06:00:00	39.3	0.0	83.5	0.0	0.0	0.0
02/11/15	07:00:00	38.8	0.0	83.4	0.0	0.0	0.0
02/11/15	08:00:00	39.4	0.0	83.4	0.0	0.0	0.0
02/11/15	09:00:00	48.4	0.0	83.5	0.0	0.0	0.0
02/11/15	10:00:00	62.8	0.0	83.7	0.0	0.0	0.0
02/11/15	11:00:00	78.4	0.0	83.7	0.4	0.4	0.0
02/11/15	12:00:00	87.2	0.0	84.0	0.4	0.4	0.0
02/11/15	13:00:00	89.7	0.0	84.2	0.1	0.1	0.0
02/11/15	14:00:00	89.9	0.0	84.5	0.0	0.0	0.0
02/11/15	15:00:00	91.5	0.0	84.6	0.0	0.0	0.0
02/11/15	16:00:00	85.3	0.7	84.6	0.0	0.0	0.0
02/11/15	17:00:00	75.4	1.8	84.5	0.0	0.0	0.0
02/11/15	18:00:00	66.3	2.4	84.5	0.0	0.0	0.0
02/11/15	19:00:00	60.4	2.9	84.5	0.0	0.0	0.0
02/11/15	20:00:00	56.6	3.4	84.4	0.0	0.0	0.0
02/11/15	21:00:00	54.0	4.0	84.4	0.0	0.0	0.0
02/11/15	22:00:00	51.9	4.5	84.3	0.0	0.0	0.0
02/11/15	23:00:00	49.9	5.0	84.2	0.0	0.0	0.0
02/12/15	00:00:00	48.8	5.5	84.1	0.0	0.0	0.0
02/12/15	01:00:00	48.0	6.1	84.0	0.0	0.0	0.0
02/12/15	02:00:00	47.8	6.6	83.9	0.0	0.0	0.0
02/12/15	03:00:00	46.8	7.2	83.8	0.0	0.0	0.0
02/12/15	04:00:00	45.5	7.7	83.8	0.0	0.0	0.0
02/12/15	05:00:00	44.6	8.3	83.7	0.0	0.0	0.0
02/12/15	06:00:00	43.9	8.9	83.6	0.0	0.0	0.0
02/12/15	07:00:00	43.3	9.5	83.5	0.0	0.0	0.0
02/12/15	08:00:00	43.4	10.3	83.5	0.0	0.0	0.0
02/12/15	09:00:00	52.3	11.2	83.6	0.0	0.0	0.0
02/12/15	10:00:00	66.0	12.2	83.8	0.0	0.0	0.0
02/12/15	11:00:00	79.2	13.6	83.8	0.0	0.0	0.0
02/12/15	12:00:00	89.5	14.7	84.1	0.0	0.0	0.0
02/12/15	13:00:00	94.7	15.9	84.3	0.0	0.0	0.0
02/12/15	14:00:00	97.6	17.1	84.6	0.0	0.0	0.0
02/12/15	15:00:00	95.5	18.2	84.8	0.0	0.0	0.0
02/12/15	16:00:00	95.8	19.1	84.8	0.9	0.9	0.0
02/12/15	17:00:00	88.1	20.1	84.7	2.4	2.4	0.0
02/12/15	18:00:00	75.9	20.5	84.7	0.0	0.0	0.0
02/12/15	19:00:00	65.5	21.1	84.7	0.0	0.0	0.0
02/12/15	20:00:00	59.3	21.6	84.6	0.0	0.0	0.0
02/12/15	21:00:00	54.8	22.2	84.5	0.0	0.0	0.0
02/12/15	22:00:00	52.0	22.8	84.4	0.0	0.0	0.0
02/12/15	23:00:00	49.9	23.3	84.3	0.0	0.0	0.0
02/13/15	00:00:00	48.4	23.9	84.2	0.0	0.0	0.0
02/13/15	01:00:00	47.2	24.5	84.0	0.0	0.0	0.0
02/13/15	02:00:00	46.2	25.0	83.9	0.0	0.0	0.0
02/13/15	03:00:00	45.5	25.6	83.8	0.0	0.0	0.0
02/13/15	04:00:00	44.7	26.2	83.7	0.0	0.0	0.0
02/13/15	05:00:00	44.1	26.8	83.6	0.0	0.0	0.0
02/13/15	06:00:00	43.4	27.4	83.6	0.0	0.0	0.0
02/13/15	07:00:00	43.1	28.1	83.5	0.0	0.0	0.0
02/13/15	08:00:00	44.6	28.8	83.5	0.0	0.0	0.0
02/13/15	09:00:00	52.2	29.9	83.5	0.0	0.0	0.0
02/13/15	10:00:00	68.8	31.2	83.7	1.0	1.0	0.0
02/13/15	11:00:00	80.1	32.8	83.8	1.6	1.6	0.0
02/13/15	12:00:00	90.8	34.2	84.0	3.0	2.9	0.0
02/13/15	13:00:00	96.7	35.6	84.3	2.5	2.5	0.0
02/13/15	14:00:00	99.1	533.3	84.6	2.4	2.3	0.0

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/13/15	15:00:00	100.1	1684.1	84.9	2.3	2.3	0.0
02/13/15	16:00:00	98.1	1683.9	84.9	2.0	2.0	0.0
02/13/15	17:00:00	89.6	1664.3	80.2	2.1	1.0	0.1
02/13/15	18:00:00	76.1	1638.4	79.3	0.1	0.1	0.0
02/13/15	19:00:00	65.6	1637.7	81.0	0.0	0.0	0.0
02/13/15	20:00:00	59.7	1637.5	81.9	0.0	0.0	0.0
02/13/15	21:00:00	56.2	1637.4	82.4	0.0	0.0	0.0
02/13/15	22:00:00	54.4	1637.3	82.8	0.0	0.0	0.0
02/13/15	23:00:00	53.2	1637.2	83.0	0.0	0.0	0.0
02/14/15	00:00:00	51.4	1637.2	83.1	0.0	0.0	0.0
02/14/15	01:00:00	50.0	1637.2	83.2	0.0	0.0	0.0
02/14/15	02:00:00	50.0	1637.2	83.3	0.0	0.0	0.0
02/14/15	03:00:00	49.0	1637.2	83.3	0.0	0.0	0.0
02/14/15	04:00:00	47.2	1637.2	83.3	0.0	0.0	0.0
02/14/15	05:00:00	46.7	1637.2	83.3	0.0	0.0	0.0
02/14/15	06:00:00	45.2	1637.2	83.3	0.0	0.0	0.0
02/14/15	07:00:00	43.5	1637.2	83.3	0.0	0.0	0.0
02/14/15	08:00:00	43.0	1637.3	83.3	0.0	0.0	0.0
02/14/15	09:00:00	51.4	1637.4	83.4	0.0	0.0	0.0
02/14/15	10:00:00	66.4	1637.3	83.6	0.0	0.0	0.0
02/14/15	11:00:00	74.8	1637.4	83.7	0.0	0.0	0.0
02/14/15	12:00:00	91.9	1637.0	84.1	0.0	0.0	0.0
02/14/15	13:00:00	101.2	1637.2	84.3	1.3	1.3	0.1
02/14/15	14:00:00	96.1	1636.6	84.0	2.0	0.9	0.1
02/14/15	15:00:00	92.9	1630.8	79.0	2.3	0.0	0.2
02/14/15	16:00:00	92.1	1632.2	75.1	2.3	0.0	0.3
02/14/15	17:00:00	90.0	1631.9	72.0	1.9	0.0	0.4
02/14/15	18:00:00	82.3	1625.4	71.4	1.1	0.0	0.4
02/14/15	19:00:00	78.5	1626.4	69.3	1.3	0.0	0.5
02/14/15	20:00:00	76.3	1628.9	66.8	1.9	0.0	0.6
02/14/15	21:00:00	73.5	1629.3	63.8	1.8	0.0	0.6
02/14/15	22:00:00	71.5	1629.5	61.2	1.9	0.0	0.7
02/14/15	23:00:00	69.5	1629.8	58.7	1.9	0.0	0.8
02/15/15	00:00:00	68.1	1628.2	56.9	1.8	0.3	0.8
02/15/15	01:00:00	67.2	1629.3	55.5	1.9	0.0	0.9
02/15/15	02:00:00	64.6	1626.5	54.1	1.1	0.0	1.0
02/15/15	03:00:00	59.0	1627.3	54.3	1.7	0.0	1.0
02/15/15	04:00:00	62.1	1629.8	51.3	2.1	0.0	1.1
02/15/15	05:00:00	60.9	1630.0	48.8	2.1	0.0	1.2
02/15/15	06:00:00	60.4	1630.2	46.8	2.1	0.0	1.3
02/15/15	07:00:00	60.9	1630.5	45.4	2.1	0.0	1.4
02/15/15	08:00:00	61.5	1630.6	44.1	2.0	0.0	1.5
02/15/15	09:00:00	65.9	1630.1	43.6	1.9	0.0	1.6
02/15/15	10:00:00	73.0	1629.7	44.0	1.8	0.0	1.6
02/15/15	11:00:00	78.8	1629.0	44.9	1.6	0.0	1.7
02/15/15	12:00:00	84.5	1629.5	45.8	1.8	0.0	1.8
02/15/15	13:00:00	88.4	1629.6	46.7	1.8	0.0	1.8
02/15/15	14:00:00	89.6	1628.0	47.7	1.2	0.0	1.9
02/15/15	15:00:00	87.6	1627.5	49.3	1.5	0.0	2.0
02/15/15	16:00:00	87.0	1628.7	49.4	1.6	0.0	2.0
02/15/15	17:00:00	85.7	1629.1	49.5	1.7	0.0	2.1
02/15/15	18:00:00	83.2	1629.2	49.2	1.8	0.0	2.2
02/15/15	19:00:00	79.4	1629.3	48.6	1.8	0.0	2.2
02/15/15	20:00:00	76.5	1629.5	47.7	1.9	0.0	2.3
02/15/15	21:00:00	74.2	1629.8	46.8	1.9	0.0	2.4
02/15/15	22:00:00	73.3	1629.9	45.9	1.9	0.0	2.5
02/15/15	23:00:00	71.3	1630.0	45.0	1.9	0.0	2.6
02/16/15	00:00:00	69.6	1630.1	44.0	1.9	0.0	2.6
02/16/15	01:00:00	68.8	1630.1	43.0	1.9	0.0	2.7
02/16/15	02:00:00	68.0	1630.7	42.0	2.1	0.0	2.8
02/16/15	03:00:00	67.8	1631.0	41.0	2.1	0.0	2.9
02/16/15	04:00:00	66.5	1631.0	40.0	2.1	0.0	3.0
02/16/15	05:00:00	65.2	1631.0	39.2	2.1	0.0	3.1
02/16/15	06:00:00	64.3	1630.5	38.6	1.9	0.0	3.1
02/16/15	07:00:00	62.4	1630.8	38.0	2.0	0.0	3.2
02/16/15	08:00:00	62.8	1631.0	37.3	2.0	0.0	3.3
02/16/15	09:00:00	68.7	1630.6	37.3	1.9	0.0	3.4

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/16/15	10:00:00	75.1	1630.6	37.7	1.9	0.0	3.5
02/16/15	11:00:00	81.6	1630.5	38.4	1.8	0.0	3.5
02/16/15	12:00:00	85.8	1630.3	39.5	1.7	0.0	3.6
02/16/15	13:00:00	89.1	1630.4	40.8	1.6	0.0	3.7
02/16/15	14:00:00	90.6	1630.3	42.0	1.6	0.0	3.8
02/16/15	15:00:00	91.3	1630.2	43.1	1.6	0.0	3.8
02/16/15	16:00:00	90.6	1629.9	44.0	1.6	0.0	3.9
02/16/15	17:00:00	88.8	1630.3	44.4	1.7	0.0	4.0
02/16/15	18:00:00	85.2	1629.9	44.5	1.7	0.0	4.0
02/16/15	19:00:00	80.6	1630.1	44.2	1.8	0.0	4.1
02/16/15	20:00:00	76.5	1630.3	43.5	1.9	0.0	4.2
02/16/15	21:00:00	75.0	1630.6	42.7	1.9	0.0	4.3
02/16/15	22:00:00	73.6	1630.8	41.9	2.0	0.0	4.3
02/16/15	23:00:00	71.9	1631.2	41.0	2.0	0.0	4.4
02/17/15	00:00:00	71.3	1631.0	40.3	1.9	0.0	4.5
02/17/15	01:00:00	69.1	1630.8	39.7	1.9	0.0	4.6
02/17/15	02:00:00	67.6	1630.9	39.0	2.0	0.0	4.7
02/17/15	03:00:00	67.8	1631.1	38.3	2.0	0.0	4.8
02/17/15	04:00:00	66.9	1631.4	37.6	2.2	0.0	4.8
02/17/15	05:00:00	65.0	1631.7	36.5	2.2	0.0	4.9
02/17/15	06:00:00	68.4	1631.8	36.0	2.1	0.0	5.0
02/17/15	07:00:00	58.5	1625.5	37.6	0.0	0.0	5.0
02/17/15	08:00:00	52.7	1623.2	40.4	0.0	0.0	5.0
02/17/15	09:00:00	54.2	1621.8	42.7	0.0	0.0	5.0
02/17/15	10:00:00	57.8	1620.8	44.6	0.0	0.0	5.0
02/17/15	11:00:00	60.5	1620.0	46.2	0.0	0.0	5.0
02/17/15	12:00:00	68.0	1619.5	47.8	0.0	0.0	5.0
02/17/15	13:00:00	78.8	1618.9	49.2	0.0	0.0	5.0
02/17/15	14:00:00	85.3	1618.6	50.5	0.0	0.0	5.0
02/17/15	15:00:00	85.6	1618.3	51.7	0.0	0.0	5.0
02/17/15	16:00:00	82.8	1617.8	52.7	0.0	0.0	5.0
02/17/15	17:00:00	75.3	1617.8	53.6	0.0	0.0	5.0
02/17/15	18:00:00	64.8	1617.4	54.4	0.0	0.0	5.0
02/17/15	19:00:00	56.4	1617.3	55.1	0.0	0.0	5.0
02/17/15	20:00:00	53.4	1617.2	55.8	0.0	0.0	5.0
02/17/15	21:00:00	52.4	1617.1	56.4	0.0	0.0	5.0
02/17/15	22:00:00	51.9	1617.0	56.9	0.0	0.0	5.0
02/17/15	23:00:00	51.3	1616.8	57.4	0.0	0.0	5.0
02/18/15	00:00:00	50.7	1616.7	57.9	0.0	0.0	5.0
02/18/15	01:00:00	50.0	1616.6	58.4	0.0	0.0	5.0
02/18/15	02:00:00	49.5	1616.6	58.9	0.0	0.0	5.0
02/18/15	03:00:00	49.0	1616.5	59.3	0.0	0.0	5.0
02/18/15	04:00:00	48.2	1616.4	59.8	0.0	0.0	5.0
02/18/15	05:00:00	47.8	1616.4	60.2	0.0	0.0	5.0
02/18/15	06:00:00	47.2	1616.3	60.6	0.0	0.0	5.0
02/18/15	07:00:00	45.3	1616.2	60.9	0.0	0.0	5.0
02/18/15	08:00:00	44.4	1616.4	61.3	0.0	0.0	5.0
02/18/15	09:00:00	52.4	1616.3	61.8	0.0	0.0	5.0
02/18/15	10:00:00	67.3	1616.1	62.3	0.0	0.0	5.0
02/18/15	11:00:00	67.7	1616.0	62.7	0.0	0.0	5.0
02/18/15	12:00:00	65.2	1616.0	63.1	0.0	0.0	5.0
02/18/15	13:00:00	64.5	1616.0	63.5	0.0	0.0	5.0
02/18/15	14:00:00	66.7	1616.0	63.9	0.0	0.0	5.0
02/18/15	15:00:00	75.8	1616.2	64.5	0.0	0.0	5.0
02/18/15	16:00:00	81.7	1615.7	64.8	0.0	0.0	5.0
02/18/15	17:00:00	79.4	1615.9	65.1	0.0	0.0	5.0
02/18/15	18:00:00	71.1	1615.6	65.4	0.0	0.0	5.0
02/18/15	19:00:00	64.0	1615.6	65.6	0.5	0.4	5.0
02/18/15	20:00:00	62.6	1615.6	65.8	1.6	1.5	5.0
02/18/15	21:00:00	54.6	1615.7	66.1	0.9	0.9	5.0
02/18/15	22:00:00	51.3	1615.7	66.2	1.0	1.0	5.0
02/18/15	23:00:00	60.7	1621.0	63.9	1.5	0.1	5.1
02/19/15	00:00:00	62.1	1624.7	58.6	1.8	0.0	5.2
02/19/15	01:00:00	60.5	1624.9	54.7	1.4	0.0	5.2
02/19/15	02:00:00	53.3	1619.6	56.1	0.0	0.0	5.2
02/19/15	03:00:00	50.3	1618.6	58.3	0.0	0.0	5.2
02/19/15	04:00:00	50.8	1618.8	59.5	0.3	0.0	5.2

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/19/15	05:00:00	62.8	1625.0	56.2	1.8	0.0	5.3
02/19/15	06:00:00	64.0	1626.6	52.5	1.8	0.0	5.4
02/19/15	07:00:00	64.6	1627.6	50.1	1.8	0.0	5.5
02/19/15	08:00:00	65.7	1628.3	48.3	1.8	0.0	5.5
02/19/15	09:00:00	67.3	1628.7	47.1	1.8	0.0	5.6
02/19/15	10:00:00	69.2	1629.1	46.2	1.8	0.0	5.7
02/19/15	11:00:00	71.0	1629.5	45.5	1.8	0.0	5.8
02/19/15	12:00:00	71.8	1629.8	44.8	1.8	0.0	5.8
02/19/15	13:00:00	72.1	1630.0	44.2	1.8	0.0	5.9
02/19/15	14:00:00	73.0	1630.2	43.8	1.8	0.0	6.0
02/19/15	15:00:00	72.6	1630.4	43.3	1.8	0.0	6.1
02/19/15	16:00:00	72.3	1630.6	42.9	1.9	0.0	6.1
02/19/15	17:00:00	71.9	1630.7	42.4	1.9	0.0	6.2
02/19/15	18:00:00	71.4	1630.8	41.9	1.9	0.0	6.3
02/19/15	19:00:00	71.2	1630.9	41.5	1.9	0.0	6.4
02/19/15	20:00:00	70.5	1631.0	41.0	1.9	0.0	6.5
02/19/15	21:00:00	70.0	1631.1	40.5	1.9	0.0	6.5
02/19/15	22:00:00	69.8	1631.1	40.1	1.9	0.0	6.6
02/19/15	23:00:00	70.1	1631.2	39.7	1.9	0.0	6.7
02/20/15	00:00:00	70.1	1631.3	39.3	1.9	0.0	6.8
02/20/15	01:00:00	69.6	1631.4	39.0	1.9	0.0	6.8
02/20/15	02:00:00	69.8	1631.4	38.7	1.9	0.0	6.9
02/20/15	03:00:00	69.4	1631.4	38.3	1.9	0.0	7.0
02/20/15	04:00:00	69.3	1631.4	38.0	1.9	0.0	7.1
02/20/15	05:00:00	69.1	1631.5	37.7	1.9	0.0	7.2
02/20/15	06:00:00	69.1	1631.5	37.5	1.9	0.0	7.2
02/20/15	07:00:00	68.5	1631.5	37.2	1.9	0.0	7.3
02/20/15	08:00:00	67.5	1631.7	36.8	1.9	0.0	7.4
02/20/15	09:00:00	68.4	1631.7	36.5	1.9	0.0	7.5
02/20/15	10:00:00	69.0	1631.7	36.3	1.9	0.0	7.6
02/20/15	11:00:00	62.0	1626.8	37.2	0.1	0.1	7.6
02/20/15	12:00:00	59.2	1624.2	40.3	0.0	0.0	7.6
02/20/15	13:00:00	75.9	1622.8	42.9	0.0	0.0	7.6
02/20/15	14:00:00	87.1	1622.1	44.5	0.0	0.0	7.6
02/20/15	15:00:00	89.4	1621.5	46.2	0.1	0.1	7.6
02/20/15	16:00:00	87.7	1623.8	47.3	2.0	0.9	7.6
02/20/15	17:00:00	79.9	1628.6	45.7	2.0	0.0	7.7
02/20/15	18:00:00	75.8	1627.6	44.3	1.3	0.0	7.7
02/20/15	19:00:00	64.7	1622.9	45.9	0.0	0.0	7.7
02/20/15	20:00:00	64.2	1627.1	45.5	1.7	0.0	7.8
02/20/15	21:00:00	67.3	1629.6	43.0	2.0	0.0	7.9
02/20/15	22:00:00	66.8	1630.3	41.2	2.1	0.0	8.0
02/20/15	23:00:00	65.7	1630.9	39.7	2.1	0.0	8.1
02/21/15	00:00:00	65.1	1631.4	38.5	2.1	0.0	8.2
02/21/15	01:00:00	65.8	1631.8	37.6	2.1	0.0	8.2
02/21/15	02:00:00	68.7	1632.0	37.0	2.0	0.0	8.3
02/21/15	03:00:00	67.9	1632.3	36.5	2.1	0.0	8.4
02/21/15	04:00:00	66.8	1632.4	35.9	2.1	0.0	8.5
02/21/15	05:00:00	66.8	1632.5	35.4	2.1	0.0	8.6
02/21/15	06:00:00	66.8	1632.6	35.0	2.1	0.0	8.7
02/21/15	07:00:00	66.8	1632.7	34.6	2.1	0.0	8.8
02/21/15	08:00:00	66.8	1632.8	34.3	2.1	0.0	8.8
02/21/15	09:00:00	67.4	1632.9	34.0	2.1	0.0	8.9
02/21/15	10:00:00	68.2	1633.0	33.8	2.1	0.0	9.0
02/21/15	11:00:00	69.3	1633.1	33.7	2.1	0.0	9.1
02/21/15	12:00:00	71.0	1633.2	33.7	2.1	0.0	9.2
02/21/15	13:00:00	74.3	1633.3	34.0	2.0	0.0	9.3
02/21/15	14:00:00	77.9	1633.1	34.5	2.0	0.0	9.4
02/21/15	15:00:00	80.0	1632.7	35.2	1.8	0.0	9.4
02/21/15	16:00:00	80.1	1632.5	35.9	1.8	0.0	9.5
02/21/15	17:00:00	78.5	1632.8	36.1	1.9	0.0	9.6
02/21/15	18:00:00	76.2	1632.6	36.2	1.9	0.0	9.7
02/21/15	19:00:00	72.0	1632.5	35.9	1.9	0.0	9.7
02/21/15	20:00:00	68.7	1632.7	35.5	1.9	0.0	9.8
02/21/15	21:00:00	66.9	1632.7	35.0	2.0	0.0	9.9
02/21/15	22:00:00	65.6	1632.7	34.5	2.0	0.0	10.0
02/21/15	23:00:00	64.5	1632.7	34.1	2.0	0.0	10.1

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
02/22/15	00:00:00	64.0	1632.8	33.7	2.0	0.0	10.2
02/22/15	01:00:00	65.1	1632.9	33.4	2.0	0.0	10.2
02/22/15	02:00:00	65.2	1633.0	33.3	1.9	0.0	10.3
02/22/15	03:00:00	65.9	1633.0	33.1	1.9	0.0	10.4
02/22/15	04:00:00	66.3	1633.0	33.0	1.9	0.0	10.5
02/22/15	05:00:00	64.1	1632.9	32.8	2.0	0.0	10.6
02/22/15	06:00:00	61.8	1632.9	32.4	2.0	0.0	10.6
02/22/15	07:00:00	61.2	1632.9	32.0	2.0	0.0	10.7
02/22/15	08:00:00	61.9	1633.0	31.7	2.0	0.0	10.8
02/22/15	09:00:00	66.8	1633.0	31.8	2.0	0.0	10.9
02/22/15	10:00:00	72.3	1633.4	32.3	2.0	0.0	11.0
02/22/15	11:00:00	76.6	1633.4	32.8	1.9	0.0	11.0
02/22/15	12:00:00	80.5	1633.4	33.6	1.8	0.0	11.1
02/22/15	13:00:00	83.8	1633.7	34.5	1.9	0.0	11.2
02/22/15	14:00:00	84.3	1633.9	35.2	1.9	0.0	11.3
02/22/15	15:00:00	83.0	1634.0	35.8	1.9	0.0	11.4
02/22/15	16:00:00	82.0	1633.9	36.2	1.9	0.0	11.4
02/22/15	17:00:00	78.9	1634.2	36.3	2.0	0.0	11.5
02/22/15	18:00:00	75.3	1634.0	36.0	2.0	0.0	11.6
02/22/15	19:00:00	72.2	1634.1	35.6	2.0	0.0	11.7
02/22/15	20:00:00	70.3	1634.2	35.1	2.1	0.0	11.8
02/22/15	21:00:00	67.8	1634.3	34.5	2.1	0.0	11.9
02/22/15	22:00:00	65.5	1634.4	33.9	2.2	0.0	12.0
02/22/15	23:00:00	64.9	1634.4	33.3	2.2	0.0	12.0
02/23/15	00:00:00	65.7	1634.5	32.9	2.1	0.0	12.1
02/23/15	01:00:00	65.1	1634.5	32.5	2.1	0.0	12.2
02/23/15	02:00:00	64.5	1634.6	32.1	2.2	0.0	12.3
02/23/15	03:00:00	63.4	1634.6	31.8	2.2	0.0	12.4
02/23/15	04:00:00	62.3	1634.6	31.3	2.2	0.0	12.5
02/23/15	05:00:00	61.1	1634.6	30.9	2.2	0.0	12.6
02/23/15	06:00:00	60.5	1634.7	30.6	2.1	0.0	12.7
02/23/15	07:00:00	59.8	1634.7	30.3	2.1	0.0	12.8
02/23/15	08:00:00	59.8	1634.8	30.0	2.1	0.0	12.8
02/23/15	09:00:00	65.0	1634.9	30.1	2.1	0.0	12.9
02/23/15	10:00:00	70.5	1634.9	30.6	2.0	0.0	13.0
02/23/15	11:00:00	75.8	1634.9	31.2	2.0	0.0	13.1
02/23/15	12:00:00	79.0	1634.9	32.1	1.9	0.0	13.2
02/23/15	13:00:00	82.7	1635.1	33.0	1.9	0.0	13.3
02/23/15	14:00:00	85.1	1635.1	34.0	1.9	0.0	13.3
02/23/15	15:00:00	83.5	1637.3	34.6	2.7	0.0	13.5
02/23/15	16:00:00	82.5	1640.2	34.0	3.5	0.0	13.6
02/23/15	17:00:00	80.1	1641.8	33.2	3.6	0.0	13.7
02/23/15	18:00:00	76.3	1642.4	32.3	3.7	0.0	13.9
02/23/15	19:00:00	71.9	1642.8	31.1	3.6	0.0	14.1
02/23/15	20:00:00	68.2	1640.5	30.3	2.6	0.0	14.2
02/23/15	21:00:00	67.3	1640.9	30.3	3.1	0.0	14.3
02/23/15	22:00:00	66.5	1642.5	29.2	3.6	0.0	14.4
02/23/15	23:00:00	63.4	1642.8	28.0	3.6	0.0	14.6
02/24/15	00:00:00	60.8	1643.0	26.9	3.6	0.0	14.7
02/24/15	01:00:00	58.1	1643.0	25.9	3.5	0.0	14.9
02/24/15	02:00:00	57.8	1643.2	25.2	3.5	0.0	15.0
02/24/15	03:00:00	57.2	1643.2	24.5	3.5	0.0	15.2
02/24/15	04:00:00	56.2	1643.1	23.9	3.4	0.0	15.3
02/24/15	05:00:00	55.9	1643.2	23.4	3.4	0.0	15.5
02/24/15	06:00:00	56.8	1643.3	23.0	3.5	0.0	15.6
02/24/15	07:00:00	56.2	1643.3	22.6	3.5	0.0	15.8
02/24/15	08:00:00	57.2	1643.6	22.2	3.5	0.0	15.9
02/24/15	09:00:00	62.5	1643.5	22.3	3.4	0.0	16.0
02/24/15	10:00:00	68.7	1643.7	22.8	3.4	0.0	16.2
02/24/15	11:00:00	74.1	1643.7	23.4	3.4	0.0	16.3
02/24/15	12:00:00	78.3	1644.2	24.3	3.4	0.0	16.5
02/24/15	13:00:00	81.9	1645.0	25.2	3.6	0.0	16.6
02/24/15	14:00:00	83.9	1649.5	25.8	4.8	0.0	16.8
02/24/15	15:00:00	85.4	1650.7	26.5	4.8	0.0	17.0
02/24/15	16:00:00	85.9	1651.2	27.3	4.7	0.0	17.2
02/24/15	17:00:00	86.4	1652.5	27.9	4.8	0.0	17.4
02/24/15	18:00:00	84.2	1651.6	28.5	4.4	0.0	17.6

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/24/15	19:00:00	79.5	1652.2	28.6	4.7	0.0	17.8
02/24/15	20:00:00	76.5	1653.1	28.1	4.9	0.0	18.0
02/24/15	21:00:00	73.1	1653.3	27.5	4.8	0.0	18.2
02/24/15	22:00:00	71.5	1653.5	26.8	4.9	0.0	18.4
02/24/15	23:00:00	70.7	1653.7	26.3	4.8	0.0	18.6
02/25/15	00:00:00	67.2	1653.8	25.6	4.9	0.0	18.8
02/25/15	01:00:00	65.9	1654.1	24.8	5.0	0.0	19.0
02/25/15	02:00:00	63.6	1654.2	24.1	5.0	0.0	19.2
02/25/15	03:00:00	60.7	1654.2	23.2	5.0	0.0	19.4
02/25/15	04:00:00	60.5	1654.2	22.4	4.9	0.0	19.6
02/25/15	05:00:00	60.3	1654.1	22.0	4.9	0.0	19.8
02/25/15	06:00:00	58.9	1654.1	21.4	4.9	0.0	20.0
02/25/15	07:00:00	58.6	1654.1	20.9	4.9	0.0	20.2
02/25/15	08:00:00	58.6	1654.2	20.5	4.9	0.0	20.5
02/25/15	09:00:00	63.6	1654.3	20.5	4.9	0.0	20.7
02/25/15	10:00:00	68.7	1654.5	20.8	4.8	0.0	20.9
02/25/15	11:00:00	73.7	1650.5	21.8	3.4	0.0	21.0
02/25/15	12:00:00	78.3	1649.8	23.2	3.4	0.0	21.1
02/25/15	13:00:00	83.2	1648.7	24.6	2.7	0.0	21.3
02/25/15	14:00:00	91.6	1640.9	26.7	0.0	0.0	21.3
02/25/15	15:00:00	88.8	1638.3	28.8	0.0	0.0	21.3
02/25/15	16:00:00	81.4	1636.9	30.8	0.0	0.0	21.3
02/25/15	17:00:00	83.4	1636.0	32.5	0.2	0.1	21.3
02/25/15	18:00:00	76.3	1639.9	33.3	2.4	0.0	21.4
02/25/15	19:00:00	75.7	1646.3	32.1	4.3	0.0	21.5
02/25/15	20:00:00	76.2	1652.9	30.2	5.6	0.0	21.8
02/25/15	21:00:00	74.7	1654.7	28.8	5.5	0.0	22.0
02/25/15	22:00:00	72.2	1655.3	27.7	5.4	0.0	22.2
02/25/15	23:00:00	74.7	1656.0	27.1	5.3	0.0	22.4
02/26/15	00:00:00	70.5	1656.6	26.5	5.4	0.0	22.7
02/26/15	01:00:00	68.3	1657.4	25.6	5.5	0.0	22.9
02/26/15	02:00:00	66.2	1657.8	24.7	5.6	0.0	23.1
02/26/15	03:00:00	65.5	1658.0	23.9	5.5	0.0	23.4
02/26/15	04:00:00	66.6	1658.4	23.4	5.5	0.0	23.6
02/26/15	05:00:00	63.5	1658.5	22.8	5.6	0.0	23.8
02/26/15	06:00:00	61.4	1658.8	22.0	5.7	0.0	24.1
02/26/15	07:00:00	60.7	1659.0	21.4	5.6	0.0	24.3
02/26/15	08:00:00	62.2	1659.2	21.0	5.6	0.0	24.5
02/26/15	09:00:00	67.5	1659.2	21.0	5.5	0.0	24.8
02/26/15	10:00:00	73.4	1659.2	21.6	5.3	0.0	25.0
02/26/15	11:00:00	79.5	1659.3	22.6	5.2	0.0	25.2
02/26/15	12:00:00	85.1	1660.4	24.0	5.5	0.0	25.4
02/26/15	13:00:00	89.5	1657.6	25.7	4.2	0.0	25.6
02/26/15	14:00:00	92.8	1660.0	27.6	5.1	0.0	25.8
02/26/15	15:00:00	90.8	1647.7	29.4	0.0	0.0	25.8
02/26/15	16:00:00	85.7	1644.1	31.4	0.0	0.0	25.8
02/26/15	17:00:00	80.7	1642.4	33.1	0.0	0.0	25.8
02/26/15	18:00:00	81.8	1645.7	34.4	2.5	0.0	25.9
02/26/15	19:00:00	83.0	1655.3	33.6	5.4	0.0	26.1
02/26/15	20:00:00	83.4	1657.7	32.8	5.5	0.0	26.4
02/26/15	21:00:00	82.3	1659.0	32.4	5.5	0.0	26.6
02/26/15	22:00:00	80.8	1659.8	32.0	5.5	0.0	26.8
02/26/15	23:00:00	78.7	1660.6	31.5	5.5	0.0	27.1
02/27/15	00:00:00	78.0	1661.0	31.0	5.5	0.0	27.3
02/27/15	01:00:00	77.4	1661.5	30.7	5.5	0.0	27.5
02/27/15	02:00:00	76.8	1661.9	30.3	5.5	0.0	27.8
02/27/15	03:00:00	76.4	1662.4	30.0	5.6	0.0	28.0
02/27/15	04:00:00	75.9	1662.7	29.8	5.6	0.0	28.2
02/27/15	05:00:00	75.4	1662.9	29.5	5.6	0.0	28.5
02/27/15	06:00:00	75.3	1662.7	29.3	5.5	0.0	28.7
02/27/15	07:00:00	74.8	1661.2	29.3	4.8	0.0	28.9
02/27/15	08:00:00	75.7	1660.3	29.7	4.6	0.0	29.1
02/27/15	09:00:00	79.1	1662.3	30.0	5.4	0.0	29.3
02/27/15	10:00:00	82.9	1662.9	30.6	5.4	0.0	29.5
02/27/15	11:00:00	85.7	1663.3	31.5	5.4	0.0	29.8
02/27/15	12:00:00	87.2	1663.7	32.5	5.4	0.0	30.0
02/27/15	13:00:00	88.9	1664.1	33.7	5.4	0.0	30.2

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/27/15	14:00:00	88.7	1664.5	34.7	5.4	0.0	30.4
02/27/15	15:00:00	88.1	1665.1	35.4	5.5	0.0	30.7
02/27/15	16:00:00	86.8	1665.3	36.0	5.5	0.0	30.9
02/27/15	17:00:00	83.7	1665.8	36.0	5.6	0.0	31.1
02/27/15	18:00:00	80.7	1665.7	35.7	5.5	0.0	31.4
02/27/15	19:00:00	78.0	1665.8	35.1	5.6	0.0	31.6
02/27/15	20:00:00	76.1	1666.6	34.2	5.8	0.0	31.8
02/27/15	21:00:00	75.1	1666.9	33.5	5.8	0.0	32.1
02/27/15	22:00:00	74.3	1667.0	32.8	5.8	0.0	32.3
02/27/15	23:00:00	73.4	1667.2	32.2	5.8	0.0	32.6
02/28/15	00:00:00	73.3	1667.2	31.7	5.8	0.0	32.8
02/28/15	01:00:00	73.6	1667.3	31.3	5.7	0.0	33.0
02/28/15	02:00:00	73.6	1667.4	31.1	5.7	0.0	33.3
02/28/15	03:00:00	72.6	1665.2	30.9	4.9	0.0	33.5
02/28/15	04:00:00	73.0	1667.3	30.7	5.7	0.0	33.7
02/28/15	05:00:00	73.0	1667.4	30.4	5.7	0.0	34.0
02/28/15	06:00:00	71.2	1667.6	30.0	5.7	0.0	34.2
02/28/15	07:00:00	71.4	1667.8	29.6	5.7	0.0	34.4
02/28/15	08:00:00	70.1	1667.9	29.1	5.7	0.0	34.7
02/28/15	09:00:00	73.2	1668.0	29.1	5.6	0.0	34.9
02/28/15	10:00:00	73.7	1667.8	29.3	5.5	0.0	35.1
02/28/15	11:00:00	78.5	1668.0	29.8	5.5	0.0	35.4
02/28/15	12:00:00	83.8	1669.3	30.7	5.8	0.0	35.6
02/28/15	13:00:00	85.3	1669.9	31.9	6.0	0.0	35.9
02/28/15	14:00:00	81.7	1670.4	32.4	6.1	0.0	36.1
02/28/15	15:00:00	79.8	1671.2	32.4	6.1	0.0	36.4
02/28/15	16:00:00	82.2	1671.3	32.8	6.1	0.0	36.6
02/28/15	17:00:00	79.5	1671.5	32.9	6.2	0.0	36.9
02/28/15	18:00:00	80.6	1671.8	33.0	6.2	0.0	37.1
02/28/15	19:00:00	74.8	1672.1	32.6	6.2	0.0	37.4
02/28/15	20:00:00	71.8	1672.0	31.6	6.2	0.0	37.6
02/28/15	21:00:00	71.3	1672.1	31.0	6.2	0.0	37.9
02/28/15	22:00:00	70.9	1672.0	30.4	6.1	0.0	38.2
02/28/15	23:00:00	70.2	1672.0	29.9	6.0	0.0	38.4
03/01/15	00:00:00	67.4	1670.5	29.4	5.6	0.0	38.6
03/01/15	01:00:00	66.3	1671.8	28.6	6.1	0.0	38.9
03/01/15	02:00:00	64.0	1667.6	28.2	4.4	0.0	39.1
03/01/15	03:00:00	63.2	1665.7	28.5	4.1	0.0	39.3
03/01/15	04:00:00	62.4	1665.0	28.5	4.1	0.0	39.4
03/01/15	05:00:00	63.7	1664.7	28.5	4.1	0.0	39.6
03/01/15	06:00:00	62.0	1664.2	28.4	4.0	0.0	39.8
03/01/15	07:00:00	61.2	1664.1	28.2	4.1	0.0	39.9
03/01/15	08:00:00	63.0	1663.9	28.0	4.1	0.0	40.1
03/01/15	09:00:00	70.1	1667.5	28.2	5.5	0.0	40.3
03/01/15	10:00:00	73.9	1669.4	28.1	5.7	0.0	40.6
03/01/15	11:00:00	76.4	1669.8	28.3	5.6	0.0	40.8
03/01/15	12:00:00	78.5	1670.1	28.9	5.5	0.0	41.0
03/01/15	13:00:00	81.6	1670.9	29.8	5.7	0.0	41.3
03/01/15	14:00:00	83.8	1671.6	30.7	5.8	0.0	41.5
03/01/15	15:00:00	84.9	1672.1	31.5	5.8	0.0	41.8
03/01/15	16:00:00	85.1	1672.4	32.3	5.8	0.0	42.0
03/01/15	17:00:00	85.0	1672.8	33.1	5.8	0.0	42.2
03/01/15	18:00:00	83.4	1673.2	33.5	5.9	0.0	42.5
03/01/15	19:00:00	82.6	1673.7	33.8	6.0	0.0	42.7
03/01/15	20:00:00	79.1	1673.9	33.7	6.0	0.0	43.0
03/01/15	21:00:00	76.5	1674.1	33.2	6.0	0.0	43.2
03/01/15	22:00:00	74.9	1674.3	32.7	6.0	0.0	43.5
03/01/15	23:00:00	74.2	1674.5	32.2	6.1	0.0	43.7
03/02/15	00:00:00	71.9	1674.7	31.6	6.1	0.0	44.0
03/02/15	01:00:00	70.2	1675.0	30.8	6.2	0.0	44.3
03/02/15	02:00:00	69.8	1675.0	30.2	6.1	0.0	44.5
03/02/15	03:00:00	72.1	1675.2	29.9	6.1	0.0	44.8
03/02/15	04:00:00	70.8	1675.4	29.6	6.2	0.0	45.0
03/02/15	05:00:00	71.0	1675.6	29.3	6.1	0.0	45.3
03/02/15	06:00:00	72.1	1675.7	29.2	6.1	0.0	45.5
03/02/15	07:00:00	71.9	1675.9	29.0	6.1	0.0	45.8

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/02/15	08:00:00	72.4	1676.0	28.9	6.1	0.0	46.0
03/02/15	09:00:00	75.6	1676.2	29.1	6.0	0.0	46.3
03/02/15	10:00:00	80.3	1676.2	29.9	5.9	0.0	46.5
03/02/15	11:00:00	83.4	1676.5	30.9	6.0	0.0	46.8
03/02/15	12:00:00	87.0	1677.1	32.3	6.0	0.0	47.0
03/02/15	13:00:00	88.1	1677.3	33.7	6.0	0.0	47.3
03/02/15	14:00:00	89.0	1676.2	35.0	5.3	0.0	47.5
03/02/15	15:00:00	87.4	1671.3	36.2	3.7	0.0	47.7
03/02/15	16:00:00	81.2	1670.8	36.7	4.0	0.0	47.8
03/02/15	17:00:00	79.1	1676.1	36.1	5.9	0.0	48.1
03/02/15	18:00:00	77.5	1676.7	35.6	5.9	0.0	48.3
03/02/15	19:00:00	73.3	1677.0	34.6	6.0	0.0	48.6
03/02/15	20:00:00	72.6	1677.3	33.6	6.0	0.0	48.8
03/02/15	21:00:00	71.2	1677.6	32.9	6.0	0.0	49.1
03/02/15	22:00:00	70.0	1677.6	32.1	6.0	0.0	49.3
03/02/15	23:00:00	71.0	1677.7	31.6	6.0	0.0	49.6
03/03/15	00:00:00	68.2	1677.9	31.0	6.1	0.0	49.8
03/03/15	01:00:00	66.3	1678.1	30.1	6.1	0.0	50.1
03/03/15	02:00:00	65.7	1678.3	29.3	6.2	0.0	50.3
03/03/15	03:00:00	64.0	1678.1	28.6	6.1	0.0	50.6
03/03/15	04:00:00	62.0	1678.1	27.8	6.1	0.0	50.8
03/03/15	05:00:00	62.4	1678.1	27.2	6.0	0.0	51.1
03/03/15	06:00:00	63.1	1677.9	26.7	5.9	0.0	51.3
03/03/15	07:00:00	60.5	1676.7	26.4	5.6	0.0	51.6
03/03/15	08:00:00	58.7	1670.8	26.6	2.2	0.0	51.7
03/03/15	09:00:00	55.5	1663.8	29.5	0.0	0.0	51.7
03/03/15	10:00:00	61.6	1661.9	31.8	0.0	0.0	51.7
03/03/15	11:00:00	74.9	1660.6	33.7	0.0	0.0	51.7
03/03/15	12:00:00	80.7	1659.6	35.5	0.0	0.0	51.7
03/03/15	13:00:00	84.4	1659.0	37.2	0.0	0.0	51.7
03/03/15	14:00:00	86.0	1658.3	38.7	0.0	0.0	51.7
03/03/15	15:00:00	90.1	1657.7	40.0	2.0	1.9	51.7
03/03/15	16:00:00	84.2	1657.0	41.2	3.6	3.6	51.7
03/03/15	17:00:00	79.6	1657.9	42.3	3.1	2.2	51.7
03/03/15	18:00:00	80.2	1664.2	41.6	3.8	0.0	51.9
03/03/15	19:00:00	76.0	1668.2	39.8	5.0	0.0	52.1
03/03/15	20:00:00	73.7	1671.6	37.3	5.7	0.0	52.3
03/03/15	21:00:00	72.7	1672.7	35.6	5.8	0.0	52.6
03/03/15	22:00:00	72.4	1673.5	34.3	5.8	0.0	52.8
03/03/15	23:00:00	71.6	1674.1	33.3	5.8	0.0	53.0
03/04/15	00:00:00	70.6	1674.6	32.4	5.8	0.0	53.3
03/04/15	01:00:00	67.8	1675.3	31.4	6.0	0.0	53.5
03/04/15	02:00:00	64.7	1675.6	30.2	5.9	0.0	53.8
03/04/15	03:00:00	63.8	1674.6	29.3	5.4	0.0	54.0
03/04/15	04:00:00	62.0	1676.2	28.4	6.1	0.0	54.3
03/04/15	05:00:00	61.9	1676.6	27.4	6.1	0.0	54.5
03/04/15	06:00:00	63.9	1676.9	26.9	6.0	0.0	54.8
03/04/15	07:00:00	62.3	1677.0	26.3	6.0	0.0	55.0
03/04/15	08:00:00	62.7	1677.3	25.8	6.0	0.0	55.3
03/04/15	09:00:00	67.9	1677.4	26.0	6.0	0.0	55.5
03/04/15	10:00:00	72.9	1677.7	26.4	5.9	0.0	55.8
03/04/15	11:00:00	77.8	1678.0	27.1	5.8	0.0	56.0
03/04/15	12:00:00	80.9	1678.5	28.1	5.8	0.0	56.2
03/04/15	13:00:00	84.4	1678.9	29.5	5.8	0.0	56.5
03/04/15	14:00:00	87.1	1679.5	30.8	5.8	0.0	56.7
03/04/15	15:00:00	87.5	1680.1	32.0	5.8	0.0	57.0
03/04/15	16:00:00	87.2	1680.4	33.0	5.9	0.0	57.2
03/04/15	17:00:00	85.7	1680.9	33.9	5.9	0.0	57.5
03/04/15	18:00:00	83.1	1681.4	34.2	6.1	0.0	57.7
03/04/15	19:00:00	80.5	1681.8	34.1	6.2	0.0	58.0
03/04/15	20:00:00	77.5	1681.8	33.8	6.0	0.0	58.2
03/04/15	21:00:00	75.5	1682.1	33.4	6.1	0.0	58.5
03/04/15	22:00:00	74.3	1682.1	32.8	6.1	0.0	58.7
03/04/15	23:00:00	71.0	1682.1	32.2	6.0	0.0	59.0
03/05/15	00:00:00	69.0	1681.9	31.4	5.9	0.0	59.2
03/05/15	01:00:00	66.9	1682.0	30.6	6.0	0.0	59.5
03/05/15	02:00:00	64.9	1682.1	29.8	6.0	0.0	59.7

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/05/15	03:00:00	64.6	1682.1	29.0	6.0	0.0	60.0
03/05/15	04:00:00	64.2	1682.3	28.4	6.1	0.0	60.2
03/05/15	05:00:00	61.5	1682.3	27.7	6.1	0.0	60.5
03/05/15	06:00:00	59.7	1682.2	26.9	6.1	0.0	60.7
03/05/15	07:00:00	58.8	1682.2	26.1	6.1	0.0	61.0
03/05/15	08:00:00	61.8	1682.3	25.7	6.0	0.0	61.2
03/05/15	09:00:00	68.5	1682.4	26.1	5.9	0.0	61.5
03/05/15	10:00:00	74.4	1682.9	26.8	6.0	0.0	61.7
03/05/15	11:00:00	79.4	1683.1	27.7	6.0	0.0	62.0
03/05/15	12:00:00	83.7	1683.5	29.0	5.9	0.0	62.2
03/05/15	13:00:00	86.4	1683.7	30.6	5.8	0.0	62.5
03/05/15	14:00:00	89.1	1682.9	32.3	5.3	0.0	62.7
03/05/15	15:00:00	90.8	1684.7	33.8	5.9	0.0	62.9
03/05/15	16:00:00	91.0	1685.2	35.2	6.0	0.0	63.2
03/05/15	17:00:00	89.2	1685.7	36.2	6.1	0.0	63.4
03/05/15	18:00:00	86.4	1686.2	36.8	6.2	0.0	63.7
03/05/15	19:00:00	82.9	1686.6	36.8	6.2	0.0	64.0
03/05/15	20:00:00	79.2	1686.5	36.4	6.1	0.0	64.2
03/05/15	21:00:00	77.3	1686.4	35.9	6.0	0.0	64.5
03/05/15	22:00:00	74.4	1686.5	35.3	6.0	0.0	64.7
03/05/15	23:00:00	72.4	1686.5	34.5	6.1	0.0	65.0
03/06/15	00:00:00	70.9	1686.5	33.7	6.0	0.0	65.2
03/06/15	01:00:00	68.7	1686.4	32.8	6.0	0.0	65.5
03/06/15	02:00:00	68.7	1686.5	32.2	6.0	0.0	65.7
03/06/15	03:00:00	69.4	1686.6	31.7	6.1	0.0	66.0
03/06/15	04:00:00	67.4	1686.6	31.1	6.1	0.0	66.2
03/06/15	05:00:00	65.0	1686.7	30.4	6.1	0.0	66.5
03/06/15	06:00:00	62.6	1686.5	29.5	6.1	0.0	66.7
03/06/15	07:00:00	62.1	1686.5	28.7	6.1	0.0	67.0
03/06/15	08:00:00	63.8	1686.5	28.3	6.0	0.0	67.2
03/06/15	09:00:00	68.4	1686.1	28.5	5.8	0.0	67.5
03/06/15	10:00:00	73.3	1686.6	29.0	5.9	0.0	67.7
03/06/15	11:00:00	80.3	1687.1	29.9	6.0	0.0	68.0
03/06/15	12:00:00	85.6	1685.1	31.5	5.1	0.0	68.2
03/06/15	13:00:00	89.6	1687.5	33.4	5.8	0.0	68.4
03/06/15	14:00:00	93.1	1688.0	35.4	5.8	0.0	68.7
03/06/15	15:00:00	94.5	1688.5	37.2	5.8	0.0	68.9
03/06/15	16:00:00	94.3	1688.9	38.9	5.9	0.0	69.2
03/06/15	17:00:00	93.4	1689.4	40.3	5.9	0.0	69.4
03/06/15	18:00:00	91.0	1689.7	41.3	6.0	0.0	69.7
03/06/15	19:00:00	86.2	1690.1	41.4	6.1	0.0	69.9
03/06/15	20:00:00	84.8	1690.3	41.3	6.1	0.0	70.2
03/06/15	21:00:00	81.3	1690.4	40.9	6.1	0.0	70.4
03/06/15	22:00:00	79.4	1690.5	40.3	6.1	0.0	70.7
03/06/15	23:00:00	75.7	1690.4	39.3	6.0	0.0	70.9
03/07/15	00:00:00	73.4	1690.3	38.3	6.0	0.0	71.2
03/07/15	01:00:00	71.6	1690.4	37.3	6.1	0.0	71.4
03/07/15	02:00:00	70.7	1690.3	36.3	6.0	0.0	71.7
03/07/15	03:00:00	70.4	1690.3	35.5	6.1	0.0	71.9
03/07/15	04:00:00	71.5	1690.4	35.0	6.1	0.0	72.2
03/07/15	05:00:00	68.0	1690.3	34.3	6.1	0.0	72.4
03/07/15	06:00:00	65.4	1690.1	33.3	6.0	0.0	72.7
03/07/15	07:00:00	63.8	1690.0	32.3	6.0	0.0	72.9
03/07/15	08:00:00	66.8	1690.3	31.8	6.0	0.0	73.2
03/07/15	09:00:00	74.3	1690.3	32.3	5.9	0.0	73.4
03/07/15	10:00:00	81.0	1690.5	33.4	5.8	0.0	73.7
03/07/15	11:00:00	85.6	1690.7	34.7	5.8	0.0	73.9
03/07/15	12:00:00	89.5	1691.4	36.5	6.0	0.0	74.2
03/07/15	13:00:00	91.7	1692.0	38.5	6.0	0.0	74.4
03/07/15	14:00:00	93.8	1692.4	40.6	6.0	0.0	74.7
03/07/15	15:00:00	94.6	1692.8	42.4	5.9	0.0	74.9
03/07/15	16:00:00	94.3	1693.0	43.9	6.0	0.0	75.2
03/07/15	17:00:00	93.3	1693.3	45.3	6.0	0.0	75.4
03/07/15	18:00:00	91.1	1693.3	46.0	6.0	0.0	75.7
03/07/15	19:00:00	86.3	1693.7	46.0	6.1	0.0	75.9
03/07/15	20:00:00	82.0	1693.7	45.2	6.0	0.0	76.2
03/07/15	21:00:00	80.8	1693.8	44.5	6.0	0.0	76.4

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/07/15	22:00:00	79.1	1693.9	43.7	6.1	0.0	76.7
03/07/15	23:00:00	76.5	1693.8	42.7	6.0	0.0	76.9
03/08/15	00:00:00	74.7	1693.8	41.7	6.0	0.0	77.2
03/08/15	01:00:00	73.8	1693.8	40.7	6.0	0.0	77.4
03/08/15	02:00:00	(1)	(1)	(1)	(1)	(1)	77.4
03/08/15	03:00:00	72.3	1693.9	39.8	6.0	0.0	77.7
03/08/15	04:00:00	70.7	1693.7	38.7	6.0	0.0	77.9
03/08/15	05:00:00	69.4	1693.6	37.8	5.9	0.0	78.2
03/08/15	06:00:00	66.5	1693.6	36.7	6.0	0.0	78.4
03/08/15	07:00:00	66.0	1693.5	35.6	6.0	0.0	78.7
03/08/15	08:00:00	62.5	1693.5	34.4	6.1	0.0	78.9
03/08/15	09:00:00	65.7	1693.6	33.6	6.0	0.0	79.2
03/08/15	10:00:00	71.5	1693.5	33.8	5.9	0.0	79.4
03/08/15	11:00:00	79.0	1693.4	34.7	5.7	0.0	79.7
03/08/15	12:00:00	84.7	1693.9	36.1	5.8	0.0	79.9
03/08/15	13:00:00	89.3	1694.3	37.8	5.9	0.0	80.1
03/08/15	14:00:00	94.1	1694.8	40.2	5.8	0.0	80.4
03/08/15	15:00:00	96.6	1695.2	42.6	5.7	0.0	80.6
03/08/15	16:00:00	97.7	1695.8	44.9	5.9	0.0	80.9
03/08/15	17:00:00	98.0	1696.1	47.0	5.9	0.0	81.1
03/08/15	18:00:00	96.9	1696.5	48.8	6.0	0.0	81.4
03/08/15	19:00:00	92.6	1696.8	49.7	6.1	0.0	81.6
03/08/15	20:00:00	87.4	1696.8	49.5	6.0	0.0	81.9
03/08/15	21:00:00	84.5	1697.0	48.7	6.0	0.0	82.1
03/08/15	22:00:00	81.4	1697.2	47.8	6.1	0.0	82.4
03/08/15	23:00:00	80.1	1697.2	46.7	6.0	0.0	82.6
03/09/15	00:00:00	78.7	1697.2	45.9	6.0	0.0	82.9
03/09/15	01:00:00	75.7	1697.1	44.7	6.0	0.0	83.1
03/09/15	02:00:00	73.3	1697.0	43.4	5.9	0.0	83.4
03/09/15	03:00:00	72.4	1697.0	42.2	6.0	0.0	83.6
03/09/15	04:00:00	71.7	1697.1	41.1	6.0	0.0	83.9
03/09/15	05:00:00	72.2	1697.2	40.3	6.1	0.0	84.1
03/09/15	06:00:00	69.5	1697.1	39.2	6.1	0.0	84.4
03/09/15	07:00:00	67.8	1697.1	38.1	6.1	0.0	84.6
03/09/15	08:00:00	67.1	1697.1	37.1	6.0	0.0	84.9
03/09/15	09:00:00	70.9	1697.3	36.7	6.1	0.0	85.1
03/09/15	10:00:00	76.8	1697.3	37.2	5.9	0.0	85.4
03/09/15	11:00:00	81.4	1697.3	38.1	5.8	0.0	85.6
03/09/15	12:00:00	86.1	1697.5	39.5	5.8	0.0	85.9
03/09/15	13:00:00	89.8	1697.7	41.2	5.7	0.0	86.1
03/09/15	14:00:00	94.0	1698.1	43.6	5.7	0.0	86.3
03/09/15	15:00:00	96.7	1698.6	46.1	5.8	0.0	86.6
03/09/15	16:00:00	97.3	1699.1	48.3	5.9	0.0	86.8
03/09/15	17:00:00	96.8	1699.3	50.3	5.8	0.0	87.1
03/09/15	18:00:00	95.7	1699.8	51.8	5.9	0.0	87.3
03/09/15	19:00:00	93.2	1700.0	52.7	6.0	0.0	87.6
03/09/15	20:00:00	90.4	1699.9	53.0	5.9	0.0	87.8
03/09/15	21:00:00	85.4	1700.1	52.3	5.9	0.0	88.1
03/09/15	22:00:00	82.2	1700.5	51.3	6.1	0.0	88.3
03/09/15	23:00:00	79.0	1700.6	49.6	6.1	0.0	88.6
03/10/15	00:00:00	78.2	1700.6	48.4	6.1	0.0	88.8
03/10/15	01:00:00	76.1	1700.6	47.1	6.1	0.0	89.1
03/10/15	02:00:00	74.8	1700.6	45.8	6.1	0.0	89.3
03/10/15	03:00:00	74.1	1699.7	44.7	5.7	0.0	89.6
03/10/15	04:00:00	72.6	1699.3	43.8	5.7	0.0	89.8
03/10/15	05:00:00	71.9	1698.9	43.0	5.5	0.0	90.0
03/10/15	06:00:00	70.2	1698.9	42.1	5.5	0.0	90.3
03/10/15	07:00:00	69.0	1698.5	41.1	5.4	0.0	90.5
03/10/15	08:00:00	66.2	1698.0	39.9	5.0	0.0	90.7
03/10/15	09:00:00	68.5	1694.6	40.1	4.0	0.0	90.9
03/10/15	10:00:00	76.6	1698.8	40.6	5.8	0.0	91.1
03/10/15	11:00:00	82.7	1699.9	41.2	6.0	0.0	91.4
03/10/15	12:00:00	87.5	1699.3	42.7	5.5	0.0	91.6
03/10/15	13:00:00	92.1	1700.3	44.5	5.8	0.0	91.8
03/10/15	14:00:00	95.3	1700.9	46.9	5.8	0.0	92.1
03/10/15	15:00:00	99.3	1701.1	49.5	5.7	0.0	92.3
03/10/15	16:00:00	96.9	1702.2	51.7	6.1	0.0	92.6

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/10/15	17:00:00	94.5	1702.2	52.9	5.9	0.0	92.8
03/10/15	18:00:00	93.4	1702.3	54.0	5.8	0.0	93.1
03/10/15	19:00:00	90.4	1705.1	54.3	6.8	0.0	93.3
03/10/15	20:00:00	87.0	1708.2	53.9	7.7	0.0	93.7
03/10/15	21:00:00	83.4	1703.7	52.9	5.9	0.0	93.9
03/10/15	22:00:00	80.2	1701.5	51.8	5.0	0.0	94.1
03/10/15	23:00:00	80.0	1698.6	51.5	3.9	0.0	94.3
03/11/15	00:00:00	79.7	1700.4	51.0	5.1	0.0	94.5
03/11/15	01:00:00	78.6	1706.7	49.5	7.4	0.0	94.8
03/11/15	02:00:00	79.5	1703.5	48.4	5.9	0.0	95.0
03/11/15	03:00:00	79.6	1702.8	48.1	5.7	0.0	95.3
03/11/15	04:00:00	78.8	1704.9	47.7	6.5	0.0	95.5
03/11/15	05:00:00	77.5	1706.3	46.4	6.8	0.0	95.8
03/11/15	06:00:00	77.8	1703.3	46.1	5.7	0.0	96.1
03/11/15	07:00:00	75.3	1703.1	45.6	5.7	0.0	96.3
03/11/15	08:00:00	74.3	1701.2	44.9	4.8	0.0	96.5
03/11/15	09:00:00	72.9	1703.0	44.4	5.8	0.0	96.8
03/11/15	10:00:00	75.9	1703.8	43.6	6.0	0.0	97.0
03/11/15	11:00:00	83.4	1706.9	44.2	7.0	0.0	97.3
03/11/15	12:00:00	87.2	1708.4	45.4	7.2	0.0	97.6
03/11/15	13:00:00	84.4	1705.5	46.1	6.1	0.0	97.8
03/11/15	14:00:00	84.1	1705.6	46.6	6.1	0.0	98.1
03/11/15	15:00:00	85.3	1710.9	47.1	7.9	0.0	98.4
03/11/15	16:00:00	87.8	1708.2	48.1	6.6	0.0	98.7
03/11/15	17:00:00	86.5	1706.7	48.9	6.1	0.0	99.0
03/11/15	18:00:00	87.2	1707.0	49.7	6.2	0.0	99.2
03/11/15	19:00:00	86.3	1707.4	50.1	6.3	0.0	99.5
03/11/15	20:00:00	83.9	1707.5	50.1	6.4	0.0	99.8
03/11/15	21:00:00	79.5	1707.6	49.3	6.4	0.0	100.0
03/11/15	22:00:00	76.7	1707.3	48.0	6.3	0.0	100.3
03/11/15	23:00:00	76.9	1706.9	47.1	6.1	0.0	100.5
03/12/15	00:00:00	73.8	1707.0	45.9	6.2	0.0	100.8
03/12/15	01:00:00	73.1	1707.3	44.7	6.3	0.0	101.1
03/12/15	02:00:00	72.6	1707.6	43.6	6.4	0.0	101.3
03/12/15	03:00:00	71.7	1707.7	42.5	6.4	0.0	101.6
03/12/15	04:00:00	71.3	1707.7	41.6	6.4	0.0	101.9
03/12/15	05:00:00	71.6	1707.7	40.9	6.4	0.0	102.1
03/12/15	06:00:00	70.4	1707.7	40.1	6.4	0.0	102.4
03/12/15	07:00:00	69.3	1707.7	39.2	6.4	0.0	102.7
03/12/15	08:00:00	70.5	1707.9	38.5	6.5	0.0	102.9
03/12/15	09:00:00	73.5	1708.0	38.4	6.4	0.0	103.2
03/12/15	10:00:00	79.0	1707.9	39.1	6.2	0.0	103.5
03/12/15	11:00:00	83.7	1708.0	40.3	6.1	0.0	103.7
03/12/15	12:00:00	87.5	1708.4	41.9	6.2	0.0	104.0
03/12/15	13:00:00	91.3	1708.8	43.9	6.2	0.0	104.2
03/12/15	14:00:00	93.9	1709.1	46.2	6.2	0.0	104.5
03/12/15	15:00:00	96.1	1709.6	48.6	6.2	0.0	104.7
03/12/15	16:00:00	97.2	1709.9	51.1	6.2	0.0	105.0
03/12/15	17:00:00	96.7	1710.2	53.2	6.2	0.0	105.3
03/12/15	18:00:00	95.5	1710.4	54.8	6.2	0.0	105.5
03/12/15	19:00:00	94.1	1710.6	56.1	6.3	0.0	105.8
03/12/15	20:00:00	89.9	1710.8	56.4	6.3	0.0	106.0
03/12/15	21:00:00	85.9	1710.9	55.7	6.3	0.0	106.3
03/12/15	22:00:00	84.5	1711.0	54.8	6.3	0.0	106.6
03/12/15	23:00:00	82.5	1714.5	53.8	7.5	0.0	106.9
03/13/15	00:00:00	82.6	1716.3	52.6	8.0	0.0	107.2
03/13/15	01:00:00	82.4	1716.3	52.1	7.7	0.0	107.5
03/13/15	02:00:00	78.0	1710.2	51.1	5.5	0.0	107.8
03/13/15	03:00:00	74.0	1703.4	51.0	2.7	0.0	107.9
03/13/15	04:00:00	76.1	1714.1	49.8	7.6	0.0	108.2
03/13/15	05:00:00	77.3	1712.1	48.4	6.5	0.0	108.5
03/13/15	06:00:00	75.7	1710.2	47.7	5.9	0.0	108.7
03/13/15	07:00:00	75.4	1710.2	46.9	6.0	0.0	109.0
03/13/15	08:00:00	75.0	1710.2	46.3	6.0	0.0	109.2
03/13/15	09:00:00	75.4	1710.2	45.6	5.9	0.0	109.5
03/13/15	10:00:00	81.7	1710.1	46.2	5.8	0.0	109.7
03/13/15	11:00:00	85.7	1711.2	47.5	6.1	0.0	110.0

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/13/15	12:00:00	90.5	1715.2	48.9	7.4	0.0	110.3
03/13/15	13:00:00	95.7	1713.3	51.7	6.6	0.0	110.5
03/13/15	14:00:00	99.6	1716.9	55.4	7.6	0.0	110.8
03/13/15	15:00:00	103.2	1717.4	59.9	7.4	0.0	111.2
03/13/15	16:00:00	103.0	1718.9	64.3	7.7	0.0	111.5
03/13/15	17:00:00	102.0	1719.4	68.0	7.8	0.0	111.8
03/13/15	18:00:00	99.5	1719.9	70.9	7.8	0.0	112.1
03/13/15	19:00:00	96.3	1719.2	72.2	7.5	0.0	112.4
03/13/15	20:00:00	93.5	1720.9	72.3	8.0	0.0	112.8
03/13/15	21:00:00	88.4	1721.1	70.9	7.9	0.0	113.1
03/13/15	22:00:00	87.2	1720.7	69.1	7.8	0.0	113.4
03/13/15	23:00:00	86.2	1718.0	67.6	6.7	0.0	113.7
03/14/15	00:00:00	86.6	1717.6	66.9	6.7	0.0	114.0
03/14/15	01:00:00	85.6	1721.1	65.9	7.9	0.0	114.3
03/14/15	02:00:00	83.1	1720.8	64.3	7.7	0.0	114.6
03/14/15	03:00:00	81.3	1720.8	62.3	7.7	0.0	115.0
03/14/15	04:00:00	81.7	1721.5	60.8	7.9	0.0	115.3
03/14/15	05:00:00	78.5	1721.1	58.8	7.8	0.0	115.6
03/14/15	06:00:00	79.2	1721.4	57.0	7.8	0.0	115.9
03/14/15	07:00:00	78.4	1722.1	55.7	8.0	0.0	116.3
03/14/15	08:00:00	76.8	1722.1	53.9	8.0	0.0	116.6
03/14/15	09:00:00	80.8	1722.1	53.1	7.9	0.0	116.9
03/14/15	10:00:00	85.9	1721.8	54.4	7.7	0.0	117.2
03/14/15	11:00:00	89.2	1722.3	56.0	7.7	0.0	117.6
03/14/15	12:00:00	90.9	1722.4	57.9	7.6	0.0	117.9
03/14/15	13:00:00	100.5	1723.0	62.0	7.7	0.0	118.2
03/14/15	14:00:00	106.3	1724.1	68.7	7.8	0.0	118.5
03/14/15	15:00:00	112.7	1715.8	74.5	4.2	0.0	118.7
03/14/15	16:00:00	115.3	1713.0	77.7	3.4	0.0	118.9
03/14/15	17:00:00	113.0	1712.1	80.6	3.4	0.0	119.0
03/14/15	18:00:00	109.9	1711.7	82.4	3.6	0.0	119.1
03/14/15	19:00:00	102.3	1714.0	83.3	4.9	0.0	119.3
03/14/15	20:00:00	98.0	1716.0	83.3	5.6	0.0	119.6
03/14/15	21:00:00	93.9	1716.3	82.1	5.7	0.0	119.8
03/14/15	22:00:00	91.0	1716.6	80.3	5.8	0.0	120.1
03/14/15	23:00:00	91.1	1716.0	78.9	5.5	0.0	120.3
03/15/15	00:00:00	86.9	1716.9	76.8	6.1	0.0	120.5
03/15/15	01:00:00	84.7	1716.1	74.5	5.6	0.0	120.8
03/15/15	02:00:00	83.7	1716.7	72.0	6.0	0.0	121.0
03/15/15	03:00:00	83.9	1716.8	70.3	6.0	0.0	121.3
03/15/15	04:00:00	82.8	1716.7	68.7	6.0	0.0	121.5
03/15/15	05:00:00	81.9	1716.7	67.1	5.9	0.0	121.8
03/15/15	06:00:00	81.4	1716.7	65.5	6.0	0.0	122.0
03/15/15	07:00:00	82.8	1716.8	64.4	6.0	0.0	122.3
03/15/15	08:00:00	82.7	1716.8	63.9	6.0	0.0	122.5
03/15/15	09:00:00	81.7	1715.5	62.9	5.4	0.0	122.7
03/15/15	10:00:00	87.3	1713.9	63.6	4.8	0.0	122.9
03/15/15	11:00:00	91.8	1717.1	65.2	6.1	0.0	123.2
03/15/15	12:00:00	94.5	1712.4	67.0	3.9	0.0	123.4
03/15/15	13:00:00	94.9	1708.8	68.4	2.1	0.0	123.5
03/15/15	14:00:00	97.8	1708.3	70.0	2.3	0.0	123.5
03/15/15	15:00:00	99.6	1714.3	72.3	5.5	0.0	123.8
03/15/15	16:00:00	96.8	1713.3	73.6	4.9	0.0	124.0
03/15/15	17:00:00	95.3	1716.1	74.1	5.9	0.0	124.2
03/15/15	18:00:00	94.7	1716.5	74.8	5.9	0.0	124.5
03/15/15	19:00:00	91.2	1716.8	74.5	6.0	0.0	124.7
03/15/15	20:00:00	84.2	1717.1	72.1	6.1	0.0	125.0
03/15/15	21:00:00	82.8	1717.2	69.5	6.1	0.0	125.2
03/15/15	22:00:00	82.7	1717.3	67.6	6.1	0.0	125.5
03/15/15	23:00:00	80.0	1717.4	65.4	6.2	0.0	125.7
03/16/15	00:00:00	79.7	1717.5	63.5	6.2	0.0	126.0
03/16/15	01:00:00	78.5	1717.4	61.8	6.1	0.0	126.3
03/16/15	02:00:00	77.6	1714.2	60.6	4.6	0.0	126.4
03/16/15	03:00:00	76.8	1715.0	59.8	5.3	0.0	126.7
03/16/15	04:00:00	76.4	1716.9	58.0	6.1	0.0	126.9
03/16/15	05:00:00	75.6	1717.1	56.3	6.1	0.0	127.2
03/16/15	06:00:00	74.9	1717.2	54.9	6.1	0.0	127.4

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/16/15	07:00:00	74.2	1717.2	53.4	6.1	0.0	127.7
03/16/15	08:00:00	75.2	1717.3	52.4	6.1	0.0	127.9
03/16/15	09:00:00	75.9	1717.3	51.7	6.1	0.0	128.2
03/16/15	10:00:00	76.7	1717.5	51.2	6.1	0.0	128.4
03/16/15	11:00:00	81.0	1717.7	51.6	6.1	0.0	128.7
03/16/15	12:00:00	84.1	1717.9	52.5	6.1	0.0	129.0
03/16/15	13:00:00	88.1	1718.0	54.0	6.0	0.0	129.2
03/16/15	14:00:00	91.0	1717.4	55.9	5.5	0.0	129.4
03/16/15	15:00:00	94.6	1724.1	58.5	7.9	0.0	129.8
03/16/15	16:00:00	96.0	1720.6	60.7	6.8	0.9	130.0
03/16/15	17:00:00	94.4	1725.3	62.9	8.1	0.0	130.3
03/16/15	18:00:00	93.4	1726.0	64.6	8.1	0.0	130.7
03/16/15	19:00:00	91.0	1726.6	65.4	8.1	0.0	131.0
03/16/15	20:00:00	87.9	1726.6	65.1	7.9	0.0	131.4
03/16/15	21:00:00	84.2	1727.2	63.9	8.1	0.0	131.7
03/16/15	22:00:00	81.8	1727.6	61.9	8.2	0.0	132.0
03/16/15	23:00:00	81.5	1727.8	60.3	8.2	0.0	132.4
03/17/15	00:00:00	81.1	1727.9	59.2	8.2	0.0	132.7
03/17/15	01:00:00	80.7	1728.2	58.0	8.2	0.0	133.1
03/17/15	02:00:00	81.0	1728.5	57.3	8.2	0.0	133.4
03/17/15	03:00:00	79.3	1728.3	56.2	8.1	0.0	133.7
03/17/15	04:00:00	81.8	1728.5	55.7	8.1	0.0	134.1
03/17/15	05:00:00	80.7	1728.7	55.4	8.1	0.0	134.4
03/17/15	06:00:00	77.9	1728.8	54.1	8.1	0.0	134.7
03/17/15	07:00:00	76.0	1728.9	52.5	8.1	0.0	135.1
03/17/15	08:00:00	74.7	1729.0	50.8	8.2	0.0	135.4
03/17/15	09:00:00	77.7	1729.3	49.8	8.1	0.0	135.8
03/17/15	10:00:00	83.8	1729.4	50.8	8.0	0.0	136.1
03/17/15	11:00:00	87.4	1729.7	52.5	8.0	0.0	136.4
03/17/15	12:00:00	90.0	1730.0	54.7	8.0	0.0	136.8
03/17/15	13:00:00	92.6	1730.5	57.3	8.0	0.0	137.1
03/17/15	14:00:00	95.1	1731.3	60.4	8.1	0.0	137.4
03/17/15	15:00:00	96.8	1731.8	63.9	8.1	0.0	137.8
03/17/15	16:00:00	97.6	1732.1	67.4	8.1	0.0	138.1
03/17/15	17:00:00	97.6	1732.3	70.7	8.0	0.0	138.4
03/17/15	18:00:00	96.9	1732.6	73.6	8.0	0.0	138.8
03/17/15	19:00:00	93.4	1732.9	75.0	8.0	0.0	139.1
03/17/15	20:00:00	88.5	1733.2	74.0	8.2	0.0	139.4
03/17/15	21:00:00	86.3	1733.2	72.0	8.1	0.0	139.8
03/17/15	22:00:00	84.8	1732.9	70.2	8.0	0.0	140.1
03/17/15	23:00:00	83.2	1733.2	68.3	8.1	0.0	140.5
03/18/15	00:00:00	82.6	1733.3	66.5	8.1	0.0	140.8
03/18/15	01:00:00	81.2	1733.4	64.7	8.2	0.0	141.1
03/18/15	02:00:00	79.3	1732.8	62.6	8.0	0.0	141.5
03/18/15	03:00:00	75.6	1732.2	60.0	7.8	0.0	141.8
03/18/15	04:00:00	73.5	1732.9	56.9	8.2	0.0	142.1
03/18/15	05:00:00	73.5	1733.0	54.4	8.2	0.0	142.5
03/18/15	06:00:00	72.5	1732.8	52.2	8.1	0.0	142.8
03/18/15	07:00:00	71.6	1727.6	50.8	6.2	0.0	143.1
03/18/15	08:00:00	70.2	1726.9	49.9	6.1	0.0	143.3
03/18/15	09:00:00	73.5	1725.0	49.3	5.2	0.0	143.5
03/18/15	10:00:00	81.8	1722.6	51.2	4.2	0.0	143.7
03/18/15	11:00:00	86.6	1726.3	52.8	6.1	0.0	144.0
03/18/15	12:00:00	89.9	1726.6	54.6	6.1	0.0	144.2
03/18/15	13:00:00	92.6	1726.8	56.8	6.0	0.0	144.5
03/18/15	14:00:00	95.6	1727.3	59.4	6.1	0.0	144.7
03/18/15	15:00:00	97.9	1727.7	62.3	6.2	0.0	145.0
03/18/15	16:00:00	99.4	1728.1	65.4	6.2	0.0	145.3
03/18/15	17:00:00	99.2	1728.3	68.3	6.2	0.0	145.5
03/18/15	18:00:00	98.0	1728.4	70.7	6.2	0.0	145.8
03/18/15	19:00:00	94.0	1727.8	71.7	6.0	0.0	146.0
03/18/15	20:00:00	87.7	1728.1	70.5	6.2	0.0	146.3
03/18/15	21:00:00	85.3	1728.3	68.8	6.3	0.0	146.5
03/18/15	22:00:00	83.0	1728.4	66.9	6.4	0.0	146.8
03/18/15	23:00:00	81.5	1728.4	64.9	6.4	0.0	147.1
03/19/15	00:00:00	80.1	1728.4	63.0	6.4	0.0	147.3
03/19/15	01:00:00	80.9	1728.3	61.8	6.3	0.0	147.6

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/19/15	02:00:00	78.9	1728.2	60.5	6.4	0.0	147.9
03/19/15	03:00:00	76.3	1728.2	58.6	6.4	0.0	148.1
03/19/15	04:00:00	75.2	1728.2	56.7	6.4	0.0	148.4
03/19/15	05:00:00	74.7	1728.1	55.2	6.5	0.0	148.7
03/19/15	06:00:00	72.4	1728.0	53.4	6.5	0.0	148.9
03/19/15	07:00:00	69.9	1727.2	51.6	6.2	0.0	149.2
03/19/15	08:00:00	68.5	1726.4	49.7	5.7	0.0	149.4
03/19/15	09:00:00	69.7	1719.4	50.6	2.2	0.0	149.5
03/19/15	10:00:00	75.9	1719.8	52.5	3.0	0.0	149.7
03/19/15	11:00:00	82.7	1723.4	53.4	5.1	0.0	149.9
03/19/15	12:00:00	88.8	1726.2	54.4	6.1	0.0	150.1
03/19/15	13:00:00	93.2	1726.8	56.5	6.1	0.0	150.4
03/19/15	14:00:00	96.4	1727.6	59.3	6.3	0.0	150.6
03/19/15	15:00:00	100.5	1728.1	62.7	6.2	0.0	150.9
03/19/15	16:00:00	102.6	1727.6	66.6	5.8	0.0	151.1
03/19/15	17:00:00	102.6	1723.1	69.1	3.8	0.0	151.3
03/19/15	18:00:00	99.9	1726.2	71.2	5.3	0.0	151.5
03/19/15	19:00:00	96.9	1728.4	72.8	6.2	0.0	151.8
03/19/15	20:00:00	93.0	1728.6	72.9	6.2	0.0	152.0
03/19/15	21:00:00	88.7	1728.9	71.9	6.2	0.0	152.3
03/19/15	22:00:00	86.2	1729.1	70.1	6.3	0.0	152.6
03/19/15	23:00:00	86.1	1729.2	68.8	6.2	0.0	152.8
03/20/15	00:00:00	81.9	1729.1	67.2	6.3	0.0	153.1
03/20/15	01:00:00	80.5	1727.8	64.9	5.6	0.0	153.3
03/20/15	02:00:00	77.5	1724.3	63.8	4.2	0.0	153.5
03/20/15	03:00:00	74.8	1728.6	61.3	6.4	0.0	153.8
03/20/15	04:00:00	73.8	1728.8	58.4	6.4	0.0	154.0
03/20/15	05:00:00	75.1	1728.8	56.6	6.4	0.0	154.3
03/20/15	06:00:00	74.3	1728.9	55.0	6.4	0.0	154.6
03/20/15	07:00:00	72.5	1728.9	53.3	6.4	0.0	154.8
03/20/15	08:00:00	71.3	1729.1	51.5	6.5	0.0	155.1
03/20/15	09:00:00	77.1	1729.4	51.0	6.5	0.0	155.4
03/20/15	10:00:00	81.9	1729.0	51.8	6.1	0.0	155.6
03/20/15	11:00:00	85.8	1728.5	53.3	5.8	0.0	155.9
03/20/15	12:00:00	90.8	1726.7	55.5	5.0	0.0	156.1
03/20/15	13:00:00	95.2	1729.6	58.4	6.1	0.0	156.3
03/20/15	14:00:00	95.7	1729.9	61.1	6.2	0.0	156.6
03/20/15	15:00:00	96.1	1730.5	63.5	6.3	0.0	156.8
03/20/15	16:00:00	96.8	1730.9	66.0	6.3	0.0	157.1
03/20/15	17:00:00	96.1	1731.3	67.9	6.4	0.0	157.4
03/20/15	18:00:00	94.5	1731.5	69.4	6.4	0.0	157.6
03/20/15	19:00:00	91.3	1731.7	69.8	6.4	0.0	157.9
03/20/15	20:00:00	86.5	1731.7	68.8	6.4	0.0	158.2
03/20/15	21:00:00	83.1	1731.7	66.8	6.4	0.0	158.4
03/20/15	22:00:00	81.3	1731.7	64.8	6.4	0.0	158.7
03/20/15	23:00:00	79.5	1731.8	63.0	6.4	0.0	159.0
03/21/15	00:00:00	78.4	1731.8	61.1	6.5	0.0	159.2
03/21/15	01:00:00	79.8	1731.8	59.9	6.4	0.0	159.5
03/21/15	02:00:00	79.4	1731.8	59.0	6.4	0.0	159.8
03/21/15	03:00:00	80.8	1731.8	58.4	6.4	0.0	160.0
03/21/15	04:00:00	80.8	1731.9	58.1	6.4	0.0	160.3
03/21/15	05:00:00	78.2	1731.8	57.2	6.4	0.0	160.6
03/21/15	06:00:00	76.0	1731.9	55.7	6.4	0.0	160.8
03/21/15	07:00:00	76.7	1732.0	54.7	6.4	0.0	161.1
03/21/15	08:00:00	75.5	1731.9	53.5	6.4	0.0	161.4
03/21/15	09:00:00	78.8	1731.5	53.1	6.1	0.0	161.6
03/21/15	10:00:00	83.2	1731.7	54.1	6.2	0.0	161.9
03/21/15	11:00:00	88.0	1732.2	55.5	6.3	0.0	162.1
03/21/15	12:00:00	91.5	1732.6	57.6	6.4	0.0	162.4
03/21/15	13:00:00	95.2	1732.8	60.4	6.3	0.0	162.7
03/21/15	14:00:00	97.5	1733.1	63.5	6.2	0.0	162.9
03/21/15	15:00:00	98.2	1733.6	66.6	6.3	0.0	163.2
03/21/15	16:00:00	98.7	1733.7	69.5	6.3	0.0	163.5
03/21/15	17:00:00	95.0	1733.0	71.0	5.9	0.0	163.7
03/21/15	18:00:00	96.8	1734.1	72.8	6.3	0.0	164.0
03/21/15	19:00:00	94.4	1734.4	73.9	6.4	0.0	164.2
03/21/15	20:00:00	90.1	1734.4	73.6	6.4	0.0	164.5

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/21/15	21:00:00	86.4	1734.6	72.0	6.4	0.0	164.8
03/21/15	22:00:00	84.9	1734.7	70.2	6.4	0.0	165.0
03/21/15	23:00:00	84.5	1734.6	68.8	6.4	0.0	165.3
03/22/15	00:00:00	83.6	1734.7	67.6	6.5	0.0	165.6
03/22/15	01:00:00	82.9	1734.7	66.4	6.4	0.0	165.8
03/22/15	02:00:00	81.2	1734.7	65.1	6.4	0.0	166.1
03/22/15	03:00:00	79.1	1734.7	63.3	6.5	0.0	166.4
03/22/15	04:00:00	79.3	1734.7	61.8	6.5	0.0	166.6
03/22/15	05:00:00	78.9	1734.7	60.5	6.5	0.0	166.9
03/22/15	06:00:00	78.6	1734.6	59.6	6.4	0.0	167.2
03/22/15	07:00:00	77.3	1734.5	58.3	6.4	0.0	167.4
03/22/15	08:00:00	76.9	1734.7	57.1	6.4	0.0	167.7
03/22/15	09:00:00	78.8	1734.8	56.3	6.4	0.0	168.0
03/22/15	10:00:00	85.6	1735.1	57.5	6.4	0.0	168.3
03/22/15	11:00:00	87.8	1735.2	58.8	6.5	0.0	168.5
03/22/15	12:00:00	90.3	1735.2	60.7	6.4	0.0	168.8
03/22/15	13:00:00	92.5	1735.6	62.7	6.4	0.0	169.1
03/22/15	14:00:00	91.8	1735.7	64.5	6.3	0.0	169.3
03/22/15	15:00:00	96.0	1735.5	66.7	6.0	0.0	169.6
03/22/15	16:00:00	95.4	1736.1	69.2	6.3	0.0	169.8
03/22/15	17:00:00	94.4	1736.4	70.8	6.4	0.0	170.1
03/22/15	18:00:00	93.3	1736.6	72.0	6.4	0.0	170.4
03/22/15	19:00:00	89.1	1736.8	71.8	6.5	0.0	170.6
03/22/15	20:00:00	85.7	1736.7	70.4	6.4	0.0	170.9
03/22/15	21:00:00	84.0	1736.7	68.8	6.4	0.0	171.2
03/22/15	22:00:00	83.0	1736.7	67.3	6.4	0.0	171.4
03/22/15	23:00:00	82.1	1736.8	65.9	6.4	0.0	171.7
03/23/15	00:00:00	79.8	1736.7	64.4	6.4	0.0	172.0
03/23/15	01:00:00	78.8	1736.7	62.6	6.5	0.0	172.2
03/23/15	02:00:00	78.5	1736.5	61.2	6.4	0.0	172.5
03/23/15	03:00:00	79.6	1736.5	60.3	6.3	0.0	172.8
03/23/15	04:00:00	79.2	1736.8	59.4	6.5	0.0	173.0
03/23/15	05:00:00	78.1	1736.8	58.6	6.4	0.0	173.3
03/23/15	06:00:00	73.9	1736.5	56.7	6.4	0.0	173.6
03/23/15	07:00:00	74.9	1736.4	55.2	6.3	0.0	173.8
03/23/15	08:00:00	74.1	1735.5	54.2	5.9	0.0	174.1
03/23/15	09:00:00	78.7	1736.7	53.9	6.4	0.0	174.3
03/23/15	10:00:00	82.4	1737.0	54.5	6.5	0.0	174.6
03/23/15	11:00:00	84.9	1737.2	55.5	6.5	0.0	174.9
03/23/15	12:00:00	87.6	1737.5	56.9	6.5	0.0	175.2
03/23/15	13:00:00	89.2	1737.6	58.6	6.4	0.0	175.4
03/23/15	14:00:00	89.8	1737.9	60.0	6.5	0.0	175.7
03/23/15	15:00:00	92.6	1738.1	62.0	6.4	0.0	176.0
03/23/15	16:00:00	92.3	1738.4	63.7	6.4	0.0	176.2
03/23/15	17:00:00	92.1	1738.6	65.3	6.5	0.0	176.5
03/23/15	18:00:00	90.6	1738.9	66.3	6.5	0.0	176.8
03/23/15	19:00:00	87.1	1739.0	66.1	6.5	0.0	177.0
03/23/15	20:00:00	82.7	1739.0	64.7	6.6	0.0	177.3
03/23/15	21:00:00	81.3	1738.9	63.1	6.5	0.0	177.6
03/23/15	22:00:00	80.2	1738.8	61.7	6.5	0.0	177.9
03/23/15	23:00:00	79.4	1738.9	60.4	6.5	0.0	178.1
03/24/15	00:00:00	78.7	1738.9	59.1	6.5	0.0	178.4
03/24/15	01:00:00	77.9	1738.9	57.9	6.5	0.0	178.7
03/24/15	02:00:00	76.7	1738.7	56.7	6.5	0.0	178.9
03/24/15	03:00:00	74.7	1738.7	55.2	6.4	0.0	179.2
03/24/15	04:00:00	74.8	1738.7	53.9	6.5	0.0	179.5
03/24/15	05:00:00	76.6	1738.8	53.3	6.4	0.0	179.7
03/24/15	06:00:00	76.5	1738.6	52.7	6.4	0.0	180.0
03/24/15	07:00:00	76.0	1738.6	52.2	6.4	0.0	180.3
03/24/15	08:00:00	75.4	1738.7	51.3	6.4	0.0	180.5
03/24/15	09:00:00	79.4	1738.9	51.4	6.4	0.0	180.8
03/24/15	10:00:00	82.7	1739.1	52.2	6.4	0.0	181.1
03/24/15	11:00:00	86.7	1739.4	53.6	6.4	0.0	181.3
03/24/15	12:00:00	88.9	1739.5	55.3	6.3	0.0	181.6
03/24/15	13:00:00	91.5	1739.8	57.4	6.3	0.0	181.9
03/24/15	14:00:00	92.5	1740.0	59.5	6.3	0.0	182.1
03/24/15	15:00:00	93.7	1740.4	61.5	6.3	0.0	182.4

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/24/15	16:00:00	94.1	1740.5	63.7	6.3	0.0	182.7
03/24/15	17:00:00	92.6	1740.8	65.0	6.4	0.0	182.9
03/24/15	18:00:00	92.7	1740.9	66.3	6.4	0.0	183.2
03/24/15	19:00:00	90.7	1741.0	67.0	6.4	0.0	183.5
03/24/15	20:00:00	86.9	1738.3	66.8	5.0	0.0	183.7
03/24/15	21:00:00	82.7	1740.8	65.3	6.4	0.0	183.9
03/24/15	22:00:00	82.3	1741.0	63.8	6.4	0.0	184.2
03/24/15	23:00:00	81.0	1741.1	62.4	6.5	0.0	184.5
03/25/15	00:00:00	79.6	1741.0	61.0	6.4	0.0	184.7
03/25/15	01:00:00	78.2	1741.0	59.5	6.4	0.0	185.0
03/25/15	02:00:00	77.3	1740.9	58.1	6.4	0.0	185.3
03/25/15	03:00:00	77.1	1741.0	56.8	6.4	0.0	185.5
03/25/15	04:00:00	77.1	1741.0	55.8	6.4	0.0	185.8
03/25/15	05:00:00	76.7	1741.0	54.9	6.4	0.0	186.1
03/25/15	06:00:00	74.9	1740.5	53.8	6.2	0.0	186.3
03/25/15	07:00:00	72.1	1739.9	52.4	6.0	0.0	186.6
03/25/15	08:00:00	73.7	1740.4	51.3	6.3	0.0	186.8
03/25/15	09:00:00	78.1	1740.1	51.3	6.0	0.0	187.1
03/25/15	10:00:00	82.3	1740.2	52.3	5.8	0.0	187.3
03/25/15	11:00:00	79.2	1730.5	54.3	0.0	0.0	187.3
03/25/15	12:00:00	86.0	1729.0	57.0	0.0	0.0	187.3
03/25/15	13:00:00	93.6	1728.1	59.2	0.0	0.0	187.3
03/25/15	14:00:00	97.6	1727.4	61.1	0.0	0.0	187.3
03/25/15	15:00:00	100.2	1726.8	62.8	0.0	0.0	187.3
03/25/15	16:00:00	102.1	1726.2	64.3	0.0	0.0	187.3
03/25/15	17:00:00	101.7	1726.2	65.8	1.2	0.5	187.4
03/25/15	18:00:00	95.5	1728.5	67.1	2.4	0.0	187.5
03/25/15	19:00:00	94.1	1727.6	67.7	1.9	0.0	187.5
03/25/15	20:00:00	89.7	1727.2	67.9	1.7	0.0	187.6
03/25/15	21:00:00	86.9	1734.2	67.2	5.4	0.0	187.8
03/25/15	22:00:00	87.2	1745.6	64.6	9.4	0.0	188.2
03/25/15	23:00:00	84.7	1747.0	62.0	9.5	0.0	188.6
03/26/15	00:00:00	85.2	1748.4	60.5	9.6	0.0	189.0
03/26/15	01:00:00	84.0	1749.2	59.6	9.6	0.0	189.4
03/26/15	02:00:00	82.0	1746.8	58.2	8.6	0.0	189.8
03/26/15	03:00:00	82.2	1749.9	57.6	9.5	0.0	190.2
03/26/15	04:00:00	81.7	1751.8	56.7	9.9	0.0	190.6
03/26/15	05:00:00	78.5	1752.8	54.9	10.1	0.0	191.0
03/26/15	06:00:00	78.7	1753.1	53.6	10.0	0.0	191.4
03/26/15	07:00:00	75.4	1752.8	51.7	9.8	0.0	191.8
03/26/15	08:00:00	77.1	1753.5	50.2	9.9	0.0	192.2
03/26/15	09:00:00	79.0	1753.8	50.0	9.8	0.0	192.7
03/26/15	10:00:00	87.7	1752.0	51.7	8.9	0.0	193.0
03/26/15	11:00:00	94.5	1747.0	55.6	6.9	0.0	193.3
03/26/15	12:00:00	98.5	1754.5	60.6	9.5	0.0	193.7
03/26/15	13:00:00	101.6	1755.6	67.0	9.4	0.0	194.1
03/26/15	14:00:00	105.1	1751.5	73.4	7.8	0.0	194.4
03/26/15	15:00:00	106.2	1753.6	80.1	8.4	0.0	194.8
03/26/15	16:00:00	106.1	1757.4	88.3	9.4	0.0	195.2
03/26/15	17:00:00	105.9	1758.6	96.3	9.5	0.0	195.6
03/26/15	18:00:00	105.5	1759.3	103.7	9.6	0.0	196.0
03/26/15	19:00:00	105.1	1760.2	111.0	9.6	0.0	196.4
03/26/15	20:00:00	99.2	1760.5	114.1	9.6	0.0	196.8
03/26/15	21:00:00	92.6	1760.8	110.9	9.6	0.0	197.2
03/26/15	22:00:00	90.6	1761.3	106.5	9.7	0.0	197.6
03/26/15	23:00:00	90.0	1761.7	103.2	9.8	0.0	198.0
03/27/15	00:00:00	87.5	1762.1	100.1	9.9	0.0	198.4
03/27/15	01:00:00	84.5	1762.1	94.5	9.9	0.0	198.8
03/27/15	02:00:00	83.1	1762.3	89.7	9.9	0.0	199.2
03/27/15	03:00:00	81.8	1762.3	84.9	9.9	0.0	199.6
03/27/15	04:00:00	79.9	1762.1	80.3	9.9	0.0	200.0
03/27/15	05:00:00	78.7	1762.2	75.8	9.9	0.0	200.4
03/27/15	06:00:00	77.4	1762.3	71.4	9.9	0.0	200.9
03/27/15	07:00:00	76.5	1762.4	67.6	10.0	0.0	201.3
03/27/15	08:00:00	78.0	1762.8	64.8	10.1	0.0	201.7
03/27/15	09:00:00	82.2	1762.9	63.9	10.0	0.0	202.1
03/27/15	10:00:00	90.1	1763.4	66.5	9.9	0.0	202.5

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/27/15	11:00:00	96.4	1763.7	71.5	9.8	0.0	202.9
03/27/15	12:00:00	101.7	1764.4	79.2	9.8	0.0	203.3
03/27/15	13:00:00	105.4	1764.8	88.8	9.7	0.0	203.8
03/27/15	14:00:00	107.8	1764.8	99.6	9.5	0.0	204.1
03/27/15	15:00:00	108.6	1765.3	110.6	9.4	0.0	204.5
03/27/15	16:00:00	108.6	1765.9	121.3	9.5	0.0	204.9
03/27/15	17:00:00	106.8	1766.8	130.8	9.7	0.0	205.3
03/27/15	18:00:00	103.9	1767.6	136.8	9.8	0.0	205.7
03/27/15	19:00:00	100.7	1768.2	139.2	9.8	0.0	206.2
03/27/15	20:00:00	96.6	1768.2	138.0	9.9	0.0	206.6
03/27/15	21:00:00	92.1	1768.3	133.0	9.9	0.0	207.0
03/27/15	22:00:00	88.7	1768.3	124.7	9.9	0.0	207.4
03/27/15	23:00:00	86.2	1768.5	117.7	10.0	0.0	207.8
03/28/15	00:00:00	83.7	1768.5	109.2	10.0	0.0	208.2
03/28/15	01:00:00	80.6	1768.7	100.9	10.1	0.0	208.6
03/28/15	02:00:00	82.9	1768.5	94.7	10.0	0.0	209.1
03/28/15	03:00:00	84.5	1768.7	91.9	10.1	0.0	209.5
03/28/15	04:00:00	83.6	1768.7	88.9	10.1	0.0	209.9
03/28/15	05:00:00	82.7	1768.8	85.6	10.1	0.0	210.3
03/28/15	06:00:00	81.7	1768.8	82.5	10.1	0.0	210.7
03/28/15	07:00:00	78.2	1768.8	78.1	10.1	0.0	211.2
03/28/15	08:00:00	75.8	1769.3	72.5	10.3	0.0	211.6
03/28/15	09:00:00	79.6	1768.8	69.4	10.1	0.0	212.0
03/28/15	10:00:00	85.0	1768.7	69.8	9.9	0.0	212.4
03/28/15	11:00:00	91.6	1768.6	73.0	9.8	0.0	212.8
03/28/15	12:00:00	95.4	1769.6	78.0	10.0	0.0	213.2
03/28/15	13:00:00	99.6	1769.9	84.9	9.8	0.0	213.7
03/28/15	14:00:00	102.9	1770.2	93.3	9.7	0.0	214.1
03/28/15	15:00:00	106.3	1770.7	103.7	9.7	0.0	214.5
03/28/15	16:00:00	107.2	1771.3	115.1	9.7	0.0	214.9
03/28/15	17:00:00	107.4	1772.1	126.1	9.8	0.0	215.3
03/28/15	18:00:00	106.6	1772.6	136.2	9.8	0.0	215.7
03/28/15	19:00:00	103.0	1773.3	142.6	9.9	0.0	216.1
03/28/15	20:00:00	97.9	1773.4	143.2	10.0	0.0	216.5
03/28/15	21:00:00	93.2	1771.8	138.6	9.0	0.0	216.9
03/28/15	22:00:00	84.0	1753.8	129.4	1.5	0.0	217.0
03/28/15	23:00:00	85.4	1762.9	120.8	7.2	0.0	217.3
03/29/15	00:00:00	84.7	1765.0	113.1	8.0	0.0	217.6
03/29/15	01:00:00	84.2	1765.0	106.5	8.0	0.0	217.9
03/29/15	02:00:00	84.1	1765.3	101.9	8.2	0.0	218.3
03/29/15	03:00:00	81.3	1765.3	96.9	8.3	0.0	218.6
03/29/15	04:00:00	77.6	1765.2	90.3	8.3	0.0	219.0
03/29/15	05:00:00	78.7	1765.1	85.2	8.3	0.0	219.3
03/29/15	06:00:00	76.0	1764.7	80.6	8.3	0.0	219.6
03/29/15	07:00:00	74.5	1764.6	75.7	8.3	0.0	220.0
03/29/15	08:00:00	74.7	1764.7	71.7	8.4	0.0	220.3
03/29/15	09:00:00	80.5	1764.3	70.2	8.2	0.0	220.7
03/29/15	10:00:00	89.5	1764.3	72.5	8.0	0.0	221.0
03/29/15	11:00:00	96.4	1764.6	77.3	7.9	0.0	221.3
03/29/15	12:00:00	99.8	1765.0	83.3	7.9	0.0	221.7
03/29/15	13:00:00	104.3	1765.4	90.7	7.9	0.0	222.0
03/29/15	14:00:00	107.2	1766.1	99.7	8.0	0.0	222.3
03/29/15	15:00:00	107.8	1766.6	108.9	8.0	0.0	222.7
03/29/15	16:00:00	108.9	1766.6	117.8	7.9	0.0	223.0
03/29/15	17:00:00	109.4	1767.0	126.8	7.9	0.0	223.3
03/29/15	18:00:00	108.2	1767.3	134.6	7.9	0.0	223.7
03/29/15	19:00:00	104.2	1767.9	139.2	8.0	0.0	224.0
03/29/15	20:00:00	98.0	1767.8	138.3	8.1	0.0	224.3
03/29/15	21:00:00	93.5	1768.1	133.8	8.2	0.0	224.7
03/29/15	22:00:00	90.0	1768.1	127.3	8.2	0.0	225.0
03/29/15	23:00:00	87.2	1768.1	120.4	8.3	0.0	225.4
03/30/15	00:00:00	83.7	1768.0	113.2	8.3	0.0	225.7
03/30/15	01:00:00	83.6	1767.7	106.6	8.2	0.0	226.1
03/30/15	02:00:00	83.6	1767.8	101.7	8.3	0.0	226.4
03/30/15	03:00:00	81.2	1767.8	97.0	8.3	0.0	226.7
03/30/15	04:00:00	80.0	1767.8	91.5	8.4	0.0	227.1
03/30/15	05:00:00	78.9	1767.3	87.1	8.2	0.0	227.4

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/30/15	06:00:00	76.9	1767.1	82.4	8.2	0.0	227.8
03/30/15	07:00:00	75.9	1767.1	78.0	8.3	0.0	228.1
03/30/15	08:00:00	75.1	1767.1	73.9	8.3	0.0	228.5
03/30/15	09:00:00	81.0	1767.0	72.4	8.1	0.0	228.8
03/30/15	10:00:00	90.0	1765.5	74.9	7.4	0.0	229.1
03/30/15	11:00:00	94.5	1772.7	79.4	9.7	0.0	229.5
03/30/15	12:00:00	100.2	1774.0	86.5	9.8	0.0	229.9
03/30/15	13:00:00	103.2	1774.8	95.9	9.8	0.0	230.3
03/30/15	14:00:00	104.8	1775.6	106.0	9.7	0.0	230.7
03/30/15	15:00:00	106.4	1776.5	116.7	9.8	0.0	231.1
03/30/15	16:00:00	108.9	1776.9	129.4	9.7	0.0	231.5
03/30/15	17:00:00	108.2	1777.3	142.0	9.7	0.0	232.0
03/30/15	18:00:00	104.5	1777.8	150.0	9.7	0.0	232.4
03/30/15	19:00:00	98.9	1778.5	150.9	9.9	0.0	232.8
03/30/15	20:00:00	96.2	1779.0	148.5	9.9	0.0	233.2
03/30/15	21:00:00	92.0	1779.1	143.4	10.0	0.0	233.6
03/30/15	22:00:00	86.0	1777.9	133.2	9.6	0.0	234.0
03/30/15	23:00:00	83.6	1772.9	123.1	8.2	0.0	234.3
03/31/15	00:00:00	83.2	1772.9	115.2	8.3	0.0	234.7
03/31/15	01:00:00	82.1	1773.0	107.9	8.5	0.0	235.0
03/31/15	02:00:00	85.1	1773.4	103.9	8.6	0.0	235.4
03/31/15	03:00:00	85.2	1773.2	101.1	8.6	0.0	235.8
03/31/15	04:00:00	84.1	1773.3	98.0	8.6	0.0	236.1
03/31/15	05:00:00	82.6	1773.1	94.2	8.6	0.0	236.5
03/31/15	06:00:00	81.1	1772.9	90.0	8.6	0.0	236.8
03/31/15	07:00:00	81.1	1772.7	86.4	8.5	0.0	237.2
03/31/15	08:00:00	81.9	1772.6	83.8	8.5	0.0	237.5
03/31/15	09:00:00	84.2	1772.7	82.8	8.5	0.0	237.9
03/31/15	10:00:00	87.2	1772.8	83.1	8.5	0.0	238.2
03/31/15	11:00:00	90.4	1772.7	84.9	8.4	0.0	238.6
03/31/15	12:00:00	93.7	1773.0	88.0	8.4	0.0	238.9
03/31/15	13:00:00	96.2	1773.2	92.3	8.3	0.0	239.3
03/31/15	14:00:00	98.1	1773.4	97.1	8.2	0.0	239.6
03/31/15	15:00:00	99.6	1773.7	102.2	8.3	0.0	240.0
03/31/15	16:00:00	99.6	1774.0	107.2	8.3	0.0	240.3
03/31/15	17:00:00	98.5	1774.3	110.9	8.3	0.0	240.7
03/31/15	18:00:00	97.6	1774.5	113.5	8.3	0.0	241.0
03/31/15	19:00:00	95.2	1774.9	114.7	8.4	0.0	241.4
03/31/15	20:00:00	89.9	1774.9	112.5	8.5	0.0	241.7
03/31/15	21:00:00	85.6	1775.0	107.1	8.5	0.0	242.1
03/31/15	22:00:00	82.1	1775.0	100.3	8.6	0.0	242.4
03/31/15	23:00:00	80.7	1775.1	94.6	8.7	0.0	242.8
04/01/15	00:00:00	78.4	1775.0	88.6	8.7	0.0	243.2
04/01/15	01:00:00	77.7	1774.9	83.5	8.7	0.0	243.5
04/01/15	02:00:00	76.9	1774.6	79.1	8.6	0.0	243.9
04/01/15	03:00:00	75.7	1774.5	75.1	8.6	0.0	244.2
04/01/15	04:00:00	73.6	1774.5	70.9	8.8	0.0	244.6
04/01/15	05:00:00	72.2	1774.4	66.9	8.7	0.0	245.0
04/01/15	06:00:00	71.7	1774.2	63.2	8.7	0.0	245.3
04/01/15	07:00:00	70.8	1774.1	60.2	8.8	0.0	245.7
04/01/15	08:00:00	57.0	1759.1	61.6	0.3	0.0	245.7
04/01/15	09:00:00	52.3	1756.8	66.6	0.0	0.0	245.7
04/01/15	10:00:00	58.1	1755.8	70.1	0.0	0.0	245.7
04/01/15	11:00:00	67.9	1754.9	72.9	0.0	0.0	245.7
04/01/15	12:00:00	76.4	1754.1	75.4	0.0	0.0	245.7
04/01/15	13:00:00	78.4	1753.4	77.5	0.0	0.0	245.7
04/01/15	14:00:00	80.1	1752.8	79.3	0.0	0.0	245.7
04/01/15	15:00:00	84.8	1752.2	80.8	0.0	0.0	245.7
04/01/15	16:00:00	88.5	1751.5	82.2	0.0	0.0	245.7
04/01/15	17:00:00	86.0	1751.0	83.5	0.0	0.0	245.7
04/01/15	18:00:00	81.8	1750.5	84.5	0.0	0.0	245.7
04/01/15	19:00:00	73.6	1750.2	85.4	0.0	0.0	245.7
04/01/15	20:00:00	64.1	1749.6	86.1	0.0	0.0	245.7
04/01/15	21:00:00	58.4	1749.3	86.7	0.0	0.0	245.7
04/01/15	22:00:00	55.3	1748.9	87.2	0.0	0.0	245.7
04/01/15	23:00:00	52.4	1748.6	87.7	0.0	0.0	245.7
04/02/15	00:00:00	52.4	1748.2	88.1	0.0	0.0	245.7

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
04/02/15	01:00:00	51.5	1747.9	88.5	0.0	0.0	245.7
04/02/15	02:00:00	50.1	1747.6	88.8	0.0	0.0	245.7
04/02/15	03:00:00	50.0	1747.3	89.1	0.0	0.0	245.7
04/02/15	04:00:00	50.4	1747.0	89.4	0.0	0.0	245.7
04/02/15	05:00:00	50.2	1746.7	89.7	0.0	0.0	245.7
04/02/15	06:00:00	49.2	1746.5	89.9	0.0	0.0	245.7
04/02/15	07:00:00	48.6	1746.3	90.1	0.0	0.0	245.7
04/02/15	08:00:00	48.6	1746.0	90.3	0.0	0.0	245.7
04/02/15	09:00:00	51.4	1745.8	90.7	0.0	0.0	245.7
04/02/15	10:00:00	57.5	1745.6	91.0	0.0	0.0	245.7
04/02/15	11:00:00	67.6	1745.3	91.4	0.0	0.0	245.7
04/02/15	12:00:00	77.6	1745.0	92.0	0.0	0.0	245.7
04/02/15	13:00:00	82.6	1744.8	92.5	0.0	0.0	245.7
04/02/15	14:00:00	86.5	1744.6	92.9	0.0	0.0	245.7
04/02/15	15:00:00	87.7	1744.4	93.4	0.0	0.0	245.7
04/02/15	16:00:00	87.5	1744.2	93.8	0.0	0.0	245.7
04/02/15	17:00:00	84.4	1744.0	94.2	0.0	0.0	245.7
04/02/15	18:00:00	79.7	1743.9	94.4	0.0	0.0	245.7
04/02/15	19:00:00	74.0	1743.9	94.6	0.0	0.0	245.7
04/02/15	20:00:00	67.5	1743.5	94.7	0.0	0.0	245.7
04/02/15	21:00:00	60.5	1743.4	94.8	0.0	0.0	245.7
04/02/15	22:00:00	56.2	1743.3	94.8	0.0	0.0	245.7
04/02/15	23:00:00	54.0	1743.2	94.8	0.0	0.0	245.7
04/03/15	00:00:00	53.2	1743.1	94.8	0.0	0.0	245.7
04/03/15	01:00:00	51.8	1743.0	94.8	0.0	0.0	245.7
04/03/15	02:00:00	50.6	1742.8	94.8	0.0	0.0	245.7
04/03/15	03:00:00	49.2	1742.7	94.8	0.0	0.0	245.7
04/03/15	04:00:00	46.4	1742.6	94.8	0.0	0.0	245.7
04/03/15	05:00:00	43.7	1742.5	94.7	0.0	0.0	245.7
04/03/15	06:00:00	44.4	1742.5	94.7	0.0	0.0	245.7
04/03/15	07:00:00	44.0	1742.3	94.7	0.0	0.0	245.7
04/03/15	08:00:00	(2)	(2)	(2)	0.0	0.0	245.7
04/03/15	09:00:00	50.0	1742.0	95.0	4.6	4.5	245.7
04/03/15	10:00:00	64.5	1742.2	95.1	3.1	6.2	245.6
04/03/15	11:00:00	85.6	1762.1	88.0	9.6	0.0	246.0
04/03/15	12:00:00	91.5	1764.5	81.6	9.8	0.0	246.4
04/03/15	13:00:00	97.1	1765.9	82.3	9.7	0.0	246.8
04/03/15	14:00:00	100.0	1767.3	85.8	9.7	0.0	247.2
04/03/15	15:00:00	102.2	1768.4	91.2	9.6	0.0	247.6
04/03/15	16:00:00	103.5	1767.8	97.4	8.8	0.0	248.0
04/03/15	17:00:00	102.7	1769.3	102.3	9.2	0.0	248.3
04/03/15	18:00:00	102.2	1771.3	107.6	9.5	0.0	248.7
04/03/15	19:00:00	98.9	1772.5	110.9	9.6	0.0	249.1
04/03/15	20:00:00	91.8	1772.9	108.9	9.7	0.0	249.5
04/03/15	21:00:00	87.1	1773.9	102.9	9.8	0.0	250.0
04/03/15	22:00:00	83.3	1775.0	96.2	10.0	0.0	250.4
04/03/15	23:00:00	79.7	1775.7	88.7	10.2	0.0	250.8
04/04/15	00:00:00	76.2	1775.8	81.0	10.2	0.0	251.2
04/04/15	01:00:00	77.4	1775.9	75.3	10.1	0.0	251.6
04/04/15	02:00:00	78.8	1776.0	71.7	10.0	0.0	252.1
04/04/15	03:00:00	79.8	1776.4	69.8	10.0	0.0	252.5
04/04/15	04:00:00	77.4	1776.6	66.9	10.0	0.0	252.9
04/04/15	05:00:00	75.9	1776.9	63.7	10.1	0.0	253.3
04/04/15	06:00:00	72.8	1776.9	60.3	10.0	0.0	253.7
04/04/15	07:00:00	70.2	1776.8	56.1	10.0	0.0	254.2
04/04/15	08:00:00	74.9	1777.0	54.0	9.9	0.0	254.6
04/04/15	09:00:00	79.7	1777.0	54.2	9.8	0.0	255.0
04/04/15	10:00:00	85.6	1777.8	56.2	9.9	0.0	255.4
04/04/15	11:00:00	89.1	1778.7	59.1	9.9	0.0	255.8
04/04/15	12:00:00	91.6	1778.4	62.5	9.6	0.0	256.2
04/04/15	13:00:00	95.6	1778.6	67.1	9.5	0.0	256.6
04/04/15	14:00:00	98.2	1779.3	72.8	9.5	0.0	257.0
04/04/15	15:00:00	99.8	1779.8	78.9	9.4	0.0	257.4
04/04/15	16:00:00	100.6	1780.4	85.3	9.4	0.0	257.8
04/04/15	17:00:00	99.6	1778.3	90.9	8.6	0.0	258.1
04/04/15	18:00:00	93.7	1779.8	92.2	9.2	0.0	258.5
04/04/15	19:00:00	89.4	1782.0	90.7	9.8	0.0	258.9

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/04/15	20:00:00	86.9	1781.9	88.1	9.6	0.0	259.3
04/04/15	21:00:00	85.4	1782.7	85.4	9.9	0.0	259.7
04/04/15	22:00:00	84.4	1782.9	82.7	9.9	0.0	260.2
04/04/15	23:00:00	83.7	1783.1	80.2	9.9	0.0	260.6
04/05/15	00:00:00	82.2	1783.6	77.7	10.1	0.0	261.0
04/05/15	01:00:00	80.8	1783.6	74.6	10.0	0.0	261.4
04/05/15	02:00:00	80.1	1783.5	71.7	10.0	0.0	261.8
04/05/15	03:00:00	79.3	1783.8	69.1	10.0	0.0	262.2
04/05/15	04:00:00	78.3	1783.8	66.5	10.0	0.0	262.7
04/05/15	05:00:00	76.7	1783.7	63.8	10.0	0.0	263.1
04/05/15	06:00:00	76.0	1783.7	61.0	10.0	0.0	263.5
04/05/15	07:00:00	73.5	1783.6	58.1	10.0	0.0	263.9
04/05/15	08:00:00	75.1	1784.2	55.9	10.2	0.0	264.3
04/05/15	09:00:00	78.8	1783.9	55.1	10.0	0.0	264.7
04/05/15	10:00:00	84.6	1783.8	56.6	9.8	0.0	265.1
04/05/15	11:00:00	88.1	1784.0	59.1	9.6	0.0	265.6
04/05/15	12:00:00	90.1	1784.5	62.1	9.7	0.0	266.0
04/05/15	13:00:00	88.7	1785.5	64.9	9.9	0.0	266.4
04/05/15	14:00:00	80.4	1785.9	63.4	10.1	0.0	266.8
04/05/15	15:00:00	83.0	1785.8	62.2	9.9	0.0	267.2
04/05/15	16:00:00	84.5	1786.4	62.6	10.0	0.0	267.6
04/05/15	17:00:00	86.9	1786.3	64.1	9.9	0.0	268.0
04/05/15	18:00:00	87.2	1786.8	65.6	9.9	0.0	268.4
04/05/15	19:00:00	85.7	1786.9	66.4	9.9	0.0	268.9
04/05/15	20:00:00	82.4	1787.0	65.7	10.0	0.0	269.3
04/05/15	21:00:00	79.2	1787.0	63.4	10.0	0.0	269.7
04/05/15	22:00:00	78.3	1787.1	61.2	10.0	0.0	270.1
04/05/15	23:00:00	76.4	1787.0	59.0	9.9	0.0	270.5
04/06/15	00:00:00	73.9	1783.5	56.8	9.0	0.0	270.9
04/06/15	01:00:00	75.4	1787.2	54.5	10.1	0.0	271.3
04/06/15	02:00:00	73.6	1787.1	52.7	10.0	0.0	271.7
04/06/15	03:00:00	72.3	1787.4	50.6	10.2	0.0	272.2
04/06/15	04:00:00	71.9	1787.2	48.4	10.1	0.0	272.6
04/06/15	05:00:00	70.5	1786.8	46.7	10.0	0.0	273.0
04/06/15	06:00:00	69.9	1786.7	45.0	10.0	0.0	273.4
04/06/15	07:00:00	70.1	1786.9	43.4	10.0	0.0	273.8
04/06/15	08:00:00	72.2	1787.3	42.5	10.1	0.0	274.2
04/06/15	09:00:00	77.1	1787.3	43.0	10.0	0.0	274.7
04/06/15	10:00:00	80.5	1787.3	44.2	9.8	0.0	275.1
04/06/15	11:00:00	83.5	1787.6	46.0	9.8	0.0	275.5
04/06/15	12:00:00	85.5	1788.1	47.9	9.8	0.0	275.9
04/06/15	13:00:00	90.1	1788.2	50.9	9.7	0.0	276.3
04/06/15	14:00:00	93.7	1788.6	55.0	9.6	0.0	276.7
04/06/15	15:00:00	95.6	1789.2	59.5	9.6	0.0	277.1
04/06/15	16:00:00	95.5	1790.3	63.9	9.8	0.0	277.5
04/06/15	17:00:00	94.6	1790.7	67.8	9.8	0.0	277.9
04/06/15	18:00:00	92.6	1791.1	70.3	9.8	0.0	278.3
04/06/15	19:00:00	92.3	1791.1	72.6	9.7	0.0	278.7
04/06/15	20:00:00	89.2	1791.4	73.4	9.8	0.0	279.1
04/06/15	21:00:00	86.8	1792.0	73.0	9.9	0.0	279.5
04/06/15	22:00:00	84.9	1792.4	71.8	10.0	0.0	280.0
04/06/15	23:00:00	84.4	1792.3	70.7	10.0	0.0	280.4
04/07/15	00:00:00	80.3	1792.6	68.7	10.1	0.0	280.8
04/07/15	01:00:00	79.6	1792.4	65.3	10.0	0.0	281.2
04/07/15	02:00:00	80.2	1792.5	63.5	10.1	0.0	281.6
04/07/15	03:00:00	83.4	1792.7	63.4	10.0	0.0	282.0
04/07/15	04:00:00	87.0	1792.8	64.7	9.9	0.0	282.5
04/07/15	05:00:00	81.8	1792.8	64.4	9.9	0.0	282.9
04/07/15	06:00:00	80.9	1792.7	62.7	9.9	0.0	283.3
04/07/15	07:00:00	80.4	1792.9	61.4	9.9	0.0	283.7
04/07/15	08:00:00	78.4	1792.8	59.4	9.9	0.0	284.1
04/07/15	09:00:00	78.7	1792.8	57.9	9.9	0.0	284.5
04/07/15	10:00:00	78.6	1792.8	56.4	9.9	0.0	284.9
04/07/15	11:00:00	84.1	1793.2	56.9	9.9	0.0	285.3
04/07/15	12:00:00	88.5	1793.7	59.4	9.9	0.0	285.8
04/07/15	13:00:00	85.5	1793.7	61.7	9.8	0.0	286.2
04/07/15	14:00:00	83.1	1793.6	60.3	9.7	0.0	286.6

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/07/15	15:00:00	86.2	1794.2	61.9	9.8	0.0	287.0
04/07/15	16:00:00	88.2	1794.8	63.4	9.9	0.0	287.4
04/07/15	17:00:00	85.9	1794.8	64.7	9.9	0.0	287.8
04/07/15	18:00:00	78.3	1795.5	62.4	10.2	0.0	288.2
04/07/15	19:00:00	78.4	1795.1	59.8	9.9	0.0	288.6
04/07/15	20:00:00	79.0	1794.8	58.6	9.9	0.0	289.1
04/07/15	21:00:00	77.7	1795.1	57.2	10.0	0.0	289.5
04/07/15	22:00:00	76.8	1791.0	55.8	8.8	0.0	289.8
04/07/15	23:00:00	75.3	1792.7	54.6	9.4	0.0	290.2
04/08/15	00:00:00	72.8	1795.0	52.1	10.1	0.0	290.6
04/08/15	01:00:00	75.0	1795.4	50.5	10.1	0.0	291.1
04/08/15	02:00:00	75.0	1795.5	49.6	10.2	0.0	291.5
04/08/15	03:00:00	73.0	1795.4	47.9	10.1	0.0	291.9
04/08/15	04:00:00	72.3	1795.4	46.6	10.1	0.0	292.3
04/08/15	05:00:00	70.8	1795.4	44.9	10.2	0.0	292.8
04/08/15	06:00:00	71.9	1795.1	43.9	10.0	0.0	293.2
04/08/15	07:00:00	71.6	1795.3	43.1	10.1	0.0	293.6
04/08/15	08:00:00	70.0	1795.5	41.9	10.2	0.0	294.0
04/08/15	09:00:00	71.6	1795.0	41.1	10.0	0.0	294.4
04/08/15	10:00:00	76.1	1795.7	41.3	10.1	0.0	294.9
04/08/15	11:00:00	78.8	1795.2	42.4	9.8	0.0	295.3
04/08/15	12:00:00	83.8	1795.2	44.3	9.7	0.0	295.7
04/08/15	13:00:00	84.4	1796.0	46.4	9.8	0.0	296.1
04/08/15	14:00:00	85.8	1796.4	48.2	9.8	0.0	296.5
04/08/15	15:00:00	87.4	1796.6	50.7	9.7	0.0	296.9
04/08/15	16:00:00	88.5	1797.0	53.0	9.7	0.0	297.3
04/08/15	17:00:00	88.5	1797.6	55.3	9.8	0.0	297.7
04/08/15	18:00:00	88.4	1798.0	57.3	9.8	0.0	298.1
04/08/15	19:00:00	86.5	1798.6	58.6	9.9	0.0	298.5
04/08/15	20:00:00	83.2	1798.7	58.7	9.9	0.0	298.9
04/08/15	21:00:00	79.1	1798.9	57.2	10.0	0.0	299.3
04/08/15	22:00:00	77.5	1798.8	55.4	10.0	0.0	299.8
04/08/15	23:00:00	75.7	1798.8	53.5	10.0	0.0	300.2
04/09/15	00:00:00	74.3	1799.0	51.7	10.1	0.0	300.6
04/09/15	01:00:00	72.6	1799.1	49.5	10.1	0.0	301.0
04/09/15	02:00:00	72.2	1799.1	47.8	10.1	0.0	301.4
04/09/15	03:00:00	72.9	1798.8	46.4	10.1	0.0	301.9
04/09/15	04:00:00	70.8	1798.8	45.2	10.1	0.0	302.3
04/09/15	05:00:00	69.4	1798.7	43.5	10.1	0.0	302.7
04/09/15	06:00:00	68.3	1798.6	41.9	10.1	0.0	303.1
04/09/15	07:00:00	68.2	1798.5	40.6	10.1	0.0	303.5
04/09/15	08:00:00	69.3	1798.7	39.6	10.1	0.0	304.0
04/09/15	09:00:00	73.0	1798.6	39.5	10.0	0.0	304.4
04/09/15	10:00:00	78.5	1798.7	40.5	9.9	0.0	304.8
04/09/15	11:00:00	83.7	1798.9	42.5	9.8	0.0	305.2
04/09/15	12:00:00	87.3	1799.2	45.2	9.7	0.0	305.6
04/09/15	13:00:00	89.6	1799.7	48.3	9.7	0.0	306.0
04/09/15	14:00:00	91.0	1800.3	51.5	9.7	0.0	306.4
04/09/15	15:00:00	92.9	1800.8	55.1	9.7	0.0	306.8
04/09/15	16:00:00	92.1	1801.5	58.3	9.8	0.0	307.2
04/09/15	17:00:00	92.8	1801.9	61.5	9.7	0.0	307.6
04/09/15	18:00:00	92.5	1802.2	64.5	9.8	0.0	308.0
04/09/15	19:00:00	91.6	1802.7	66.9	9.8	0.0	308.4
04/09/15	20:00:00	88.5	1802.8	68.2	9.8	0.0	308.9
04/09/15	21:00:00	85.5	1803.3	67.7	9.9	0.0	309.3
04/09/15	22:00:00	83.0	1803.6	66.5	10.0	0.0	309.7
04/09/15	23:00:00	82.4	1803.8	65.2	10.1	0.0	310.1
04/10/15	00:00:00	80.2	1798.4	63.8	8.3	0.0	310.5
04/10/15	01:00:00	78.1	1797.5	62.1	8.3	0.0	310.8
04/10/15	02:00:00	76.1	1797.1	60.0	8.2	0.0	311.1
04/10/15	03:00:00	74.5	1796.9	57.8	8.2	0.0	311.5
04/10/15	04:00:00	74.5	1796.7	56.1	8.2	0.0	311.8
04/10/15	05:00:00	72.9	1796.5	54.3	8.3	0.0	312.2
04/10/15	06:00:00	70.7	1796.3	52.2	8.3	0.0	312.5
04/10/15	07:00:00	73.0	1796.1	50.8	8.3	0.0	312.9
04/10/15	08:00:00	72.0	1796.0	49.7	8.3	0.0	313.2
04/10/15	09:00:00	76.7	1795.8	49.6	8.1	0.0	313.5

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/10/15	10:00:00	82.3	1796.0	50.7	8.1	0.0	313.9
04/10/15	11:00:00	88.1	1796.3	53.0	8.0	0.0	314.2
04/10/15	12:00:00	92.0	1796.6	56.2	8.0	0.0	314.5
04/10/15	13:00:00	95.2	1797.0	59.9	8.0	0.0	314.9
04/10/15	14:00:00	97.5	1797.3	64.0	8.0	0.0	315.2
04/10/15	15:00:00	99.6	1797.7	68.7	8.0	0.0	315.5
04/10/15	16:00:00	100.5	1798.0	73.4	7.9	0.0	315.9
04/10/15	17:00:00	100.2	1798.4	77.7	7.9	0.0	316.2
04/10/15	18:00:00	99.2	1798.6	81.4	8.0	0.0	316.5
04/10/15	19:00:00	96.2	1799.0	83.7	8.0	0.0	316.9
04/10/15	20:00:00	91.0	1798.9	83.6	8.1	0.0	317.2
04/10/15	21:00:00	86.9	1799.0	81.4	8.1	0.0	317.5
04/10/15	22:00:00	84.3	1799.0	78.8	8.1	0.0	317.9
04/10/15	23:00:00	81.5	1799.0	75.8	8.2	0.0	318.2
04/11/15	00:00:00	80.1	1798.9	72.6	8.2	0.0	318.6
04/11/15	01:00:00	81.6	1799.0	71.0	8.2	0.0	318.9
04/11/15	02:00:00	78.3	1798.8	68.9	8.2	0.0	319.3
04/11/15	03:00:00	75.0	1798.7	65.5	8.3	0.0	319.6
04/11/15	04:00:00	74.1	1798.6	62.6	8.3	0.0	319.9
04/11/15	05:00:00	73.9	1798.4	60.2	8.3	0.0	320.3
04/11/15	06:00:00	72.9	1798.3	58.0	8.3	0.0	320.6
04/11/15	07:00:00	73.1	1798.1	56.2	8.2	0.0	321.0
04/11/15	08:00:00	75.8	1798.2	55.2	8.2	0.0	321.3
04/11/15	09:00:00	83.1	1798.2	56.2	8.0	0.0	321.7
04/11/15	10:00:00	87.6	1798.4	58.5	8.0	0.0	322.0
04/11/15	11:00:00	92.4	1798.8	61.6	8.0	0.0	322.3
04/11/15	12:00:00	93.2	1799.0	65.1	8.0	0.0	322.7
04/11/15	13:00:00	95.2	1799.6	68.4	8.0	0.0	323.0
04/11/15	14:00:00	99.1	1799.9	72.9	8.0	0.0	323.3
04/11/15	15:00:00	100.9	1800.2	78.1	7.9	0.0	323.6
04/11/15	16:00:00	101.4	1800.6	83.2	7.9	0.0	324.0
04/11/15	17:00:00	101.4	1801.0	87.9	7.9	0.0	324.3
04/11/15	18:00:00	100.7	1801.0	92.0	7.9	0.0	324.6
04/11/15	19:00:00	97.4	1801.4	94.5	7.9	0.0	325.0
04/11/15	20:00:00	92.7	1801.7	94.2	8.1	0.0	325.3
04/11/15	21:00:00	89.3	1801.9	92.1	8.2	0.0	325.6
04/11/15	22:00:00	87.6	1801.2	89.7	7.9	0.0	326.0
04/11/15	23:00:00	87.3	1801.9	87.9	8.2	0.0	326.3
04/12/15	00:00:00	85.9	1801.9	86.0	8.2	0.0	326.7
04/12/15	01:00:00	84.3	1802.1	83.7	8.2	0.0	327.0
04/12/15	02:00:00	80.9	1802.1	80.6	8.3	0.0	327.3
04/12/15	03:00:00	78.9	1801.9	76.9	8.3	0.0	327.7
04/12/15	04:00:00	78.7	1801.8	73.7	8.3	0.0	328.0
04/12/15	05:00:00	78.3	1801.8	71.3	8.3	0.0	328.4
04/12/15	06:00:00	76.0	1801.7	68.4	8.3	0.0	328.7
04/12/15	07:00:00	75.0	1801.6	65.5	8.3	0.0	329.1
04/12/15	08:00:00	76.9	1800.5	63.6	7.7	0.0	329.4
04/12/15	09:00:00	80.0	1792.4	64.6	3.7	0.0	329.5
04/12/15	10:00:00	86.0	1791.6	66.8	3.4	0.0	329.7
04/12/15	11:00:00	91.0	1796.4	69.1	6.4	0.0	330.0
04/12/15	12:00:00	96.0	1800.7	72.5	7.9	0.0	330.3
04/12/15	13:00:00	99.4	1801.2	77.2	7.8	0.0	330.6
04/12/15	14:00:00	102.4	1799.2	82.5	6.9	0.0	330.9
04/12/15	15:00:00	103.8	1800.0	87.7	7.2	0.0	331.2
04/12/15	16:00:00	105.0	1802.2	94.2	7.8	0.0	331.5
04/12/15	17:00:00	105.4	1802.8	100.7	7.8	0.0	331.8
04/12/15	18:00:00	104.2	1803.1	106.3	7.8	0.0	332.2
04/12/15	19:00:00	103.1	1803.6	110.6	7.8	0.0	332.5
04/12/15	20:00:00	99.8	1803.7	113.4	7.9	0.0	332.8
04/12/15	21:00:00	94.1	1804.1	112.1	8.1	0.0	333.2
04/12/15	22:00:00	90.8	1804.2	108.8	8.0	0.0	333.5
04/12/15	23:00:00	89.5	1804.3	105.3	8.1	0.0	333.8
04/13/15	00:00:00	88.3	1804.5	102.7	8.2	0.0	334.2
04/13/15	01:00:00	85.5	1804.4	99.1	8.1	0.0	334.5
04/13/15	02:00:00	84.3	1804.4	94.9	8.1	0.0	334.9
04/13/15	03:00:00	82.8	1804.5	91.8	8.2	0.0	335.2
04/13/15	04:00:00	78.9	1800.6	87.5	6.7	0.0	335.5

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/13/15	05:00:00	75.5	1801.7	83.0	7.4	0.0	335.8
04/13/15	06:00:00	75.9	1803.7	77.9	8.2	0.0	336.1
04/13/15	07:00:00	76.7	1803.7	74.6	8.2	0.0	336.5
04/13/15	08:00:00	78.0	1803.8	72.0	8.2	0.0	336.8
04/13/15	09:00:00	83.0	1803.5	71.8	8.0	0.0	337.1
04/13/15	10:00:00	88.2	1803.8	73.7	8.0	0.0	337.5
04/13/15	11:00:00	93.1	1804.1	76.8	7.9	0.0	337.8
04/13/15	12:00:00	98.2	1802.4	81.9	6.9	0.0	338.1
04/13/15	13:00:00	99.9	1803.8	86.7	7.6	0.0	338.4
04/13/15	14:00:00	103.5	1805.0	93.4	7.8	0.0	338.7
04/13/15	15:00:00	105.2	1804.1	100.3	7.2	0.0	339.0
04/13/15	16:00:00	103.1	1805.9	106.0	7.9	0.0	339.4
04/13/15	17:00:00	100.7	1806.5	109.9	8.0	0.0	339.7
04/13/15	18:00:00	97.7	1806.7	111.7	8.1	0.0	340.0
04/13/15	19:00:00	93.9	1807.1	111.1	8.1	0.0	340.4
04/13/15	20:00:00	90.1	1806.7	108.2	8.1	0.0	340.7
04/13/15	21:00:00	86.1	1806.9	103.6	8.2	0.0	341.1
04/13/15	22:00:00	83.6	1806.8	98.3	8.2	0.0	341.4
04/13/15	23:00:00	83.1	1806.8	93.9	8.2	0.0	341.7
04/14/15	00:00:00	82.9	1806.7	90.5	8.2	0.0	342.1
04/14/15	01:00:00	82.8	1806.7	87.8	8.2	0.0	342.4
04/14/15	02:00:00	82.2	1806.7	85.4	8.2	0.0	342.8
04/14/15	03:00:00	80.9	1806.8	82.8	8.2	0.0	343.1
04/14/15	04:00:00	78.4	1806.7	79.4	8.3	0.0	343.4
04/14/15	05:00:00	77.2	1806.6	75.9	8.3	0.0	343.8
04/14/15	06:00:00	74.7	1806.4	72.4	8.3	0.0	344.1
04/14/15	07:00:00	72.2	1806.4	68.4	8.3	0.0	344.5
04/14/15	08:00:00	72.7	1801.8	66.1	6.2	0.0	344.7
04/14/15	09:00:00	76.6	1809.8	64.8	9.5	0.0	345.1
04/14/15	10:00:00	81.5	1811.7	64.0	9.8	0.0	345.5
04/14/15	11:00:00	85.3	1812.1	65.2	9.8	0.0	346.0
04/14/15	12:00:00	88.0	1809.3	67.4	8.6	0.0	346.3
04/14/15	13:00:00	90.9	1813.3	70.4	9.9	0.0	346.7
04/14/15	14:00:00	92.8	1813.9	74.2	9.8	0.0	347.1
04/14/15	15:00:00	94.0	1814.4	78.0	9.8	0.0	347.5
04/14/15	16:00:00	94.7	1815.0	82.1	9.8	0.0	347.9
04/14/15	17:00:00	94.5	1815.6	85.7	9.8	0.0	348.4
04/14/15	18:00:00	93.9	1816.0	88.8	9.8	0.0	348.8
04/14/15	19:00:00	92.9	1816.4	91.0	9.9	0.0	349.2
04/14/15	20:00:00	90.0	1816.3	91.6	9.8	0.0	349.6
04/14/15	21:00:00	84.7	1816.4	89.0	9.8	0.0	350.0
04/14/15	22:00:00	82.7	1816.6	84.9	9.9	0.0	350.4
04/14/15	23:00:00	81.4	1816.6	81.7	9.9	0.0	350.8
04/15/15	00:00:00	79.7	1817.2	78.1	10.1	0.0	351.2
04/15/15	01:00:00	77.1	1817.5	73.9	10.2	0.0	351.7
04/15/15	02:00:00	78.4	1817.3	70.6	10.1	0.0	352.1
04/15/15	03:00:00	77.9	1817.5	68.5	10.2	0.0	352.5
04/15/15	04:00:00	76.0	1817.4	65.6	10.2	0.0	352.9
04/15/15	05:00:00	76.6	1817.6	63.2	10.2	0.0	353.4
04/15/15	06:00:00	76.0	1817.3	61.3	10.1	0.0	353.8
04/15/15	07:00:00	75.8	1817.3	59.4	10.1	0.0	354.2
04/15/15	08:00:00	77.5	1817.6	58.2	10.2	0.0	354.6
04/15/15	09:00:00	80.8	1817.3	58.5	10.0	0.0	355.1
04/15/15	10:00:00	85.0	1817.5	60.1	9.9	0.0	355.5
04/15/15	11:00:00	88.6	1817.9	62.8	9.9	0.0	355.9
04/15/15	12:00:00	92.8	1818.5	66.8	9.9	0.0	356.3
04/15/15	13:00:00	96.0	1819.0	72.1	9.8	0.0	356.7
04/15/15	14:00:00	98.6	1819.5	78.1	9.8	0.0	357.1
04/15/15	15:00:00	100.3	1820.3	85.0	9.9	0.0	357.5
04/15/15	16:00:00	101.5	1820.9	92.6	9.9	0.0	357.9
04/15/15	17:00:00	101.6	1821.3	99.8	9.8	0.0	358.3
04/15/15	18:00:00	101.0	1821.6	106.3	9.8	0.0	358.7
04/15/15	19:00:00	98.9	1822.2	111.1	9.8	0.0	359.1
04/15/15	20:00:00	96.8	1822.0	113.6	9.8	0.0	359.6
04/15/15	21:00:00	93.6	1822.5	114.1	9.9	0.0	360.0
04/15/15	22:00:00	88.0	1822.9	110.0	10.0	0.0	360.4
04/15/15	23:00:00	85.8	1823.2	104.6	10.2	0.0	360.8

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/16/15	00:00:00	85.0	1823.2	100.2	10.1	0.0	361.2
04/16/15	01:00:00	83.0	1823.3	95.4	10.2	0.0	361.7
04/16/15	02:00:00	81.8	1823.2	90.8	10.2	0.0	362.1
04/16/15	03:00:00	78.9	1823.0	85.5	10.2	0.0	362.5
04/16/15	04:00:00	77.3	1822.9	80.5	10.2	0.0	362.9
04/16/15	05:00:00	76.0	1822.9	75.6	10.2	0.0	363.4
04/16/15	06:00:00	73.6	1822.6	70.8	10.2	0.0	363.8
04/16/15	07:00:00	72.1	1822.4	66.2	10.2	0.0	364.2
04/16/15	08:00:00	74.8	1822.3	63.1	10.2	0.0	364.6
04/16/15	09:00:00	81.9	1820.6	63.4	9.5	0.0	365.0
04/16/15	10:00:00	87.2	1821.3	65.9	9.6	0.0	365.4
04/16/15	11:00:00	92.2	1821.8	69.9	9.6	0.0	365.8
04/16/15	12:00:00	96.8	1822.2	75.6	9.5	0.0	366.2
04/16/15	13:00:00	102.4	1821.4	83.7	9.1	0.0	366.6
04/16/15	14:00:00	102.1	1809.3	88.6	2.1	0.0	366.7
04/16/15	15:00:00	106.9	1803.2	87.3	0.0	0.0	366.7
04/16/15	16:00:00	105.8	1802.0	87.5	0.0	0.0	366.7
04/16/15	17:00:00	101.3	1801.2	88.0	0.0	0.0	366.7
04/16/15	18:00:00	95.2	1800.3	88.6	0.0	0.0	366.7
04/16/15	19:00:00	88.1	1799.7	89.2	0.0	0.0	366.7
04/16/15	20:00:00	79.6	1798.7	89.7	0.0	0.0	366.7
04/16/15	21:00:00	70.3	1798.1	90.1	0.0	0.0	366.7
04/16/15	22:00:00	64.8	1797.7	90.5	0.0	0.0	366.7
04/16/15	23:00:00	62.7	1797.2	90.7	0.0	0.0	366.7
04/17/15	00:00:00	61.4	1796.7	90.9	0.0	0.0	366.7
04/17/15	01:00:00	59.5	1796.2	91.1	0.0	0.0	366.7
04/17/15	02:00:00	55.6	1795.7	91.3	0.0	0.0	366.7
04/17/15	03:00:00	52.2	1795.3	91.4	0.0	0.0	366.7
04/17/15	04:00:00	50.2	1795.0	91.6	0.0	0.0	366.7
04/17/15	05:00:00	49.6	1794.6	91.7	0.0	0.0	366.7
04/17/15	06:00:00	47.9	1794.2	91.8	0.0	0.0	366.7
04/17/15	07:00:00	46.4	1793.9	91.9	0.0	0.0	366.7
04/17/15	08:00:00	47.7	1793.6	92.1	0.0	0.0	366.7
04/17/15	09:00:00	53.0	1793.2	92.5	0.0	0.0	366.7
04/17/15	10:00:00	61.3	1792.9	92.8	0.0	0.0	366.7
04/17/15	11:00:00	74.9	1792.5	93.1	0.0	0.0	366.7
04/17/15	12:00:00	94.1	1792.2	93.5	0.0	0.0	366.7
04/17/15	13:00:00	103.2	1791.9	94.0	0.0	0.0	366.7
04/17/15	14:00:00	108.6	1791.7	94.4	0.0	0.0	366.7
04/17/15	15:00:00	109.0	1791.4	94.8	0.0	0.0	366.7
04/17/15	16:00:00	106.7	1791.2	95.2	0.0	0.0	366.7
04/17/15	17:00:00	103.5	1791.1	95.6	0.0	0.0	366.7
04/17/15	18:00:00	96.4	1790.7	95.9	0.0	0.0	366.7
04/17/15	19:00:00	87.9	1790.7	96.2	0.0	0.0	366.7
04/17/15	20:00:00	78.7	1790.2	96.4	0.0	0.0	366.7
04/17/15	21:00:00	71.0	1790.1	96.5	0.0	0.0	366.7
04/17/15	22:00:00	65.8	1790.0	96.5	0.0	0.0	366.7
04/17/15	23:00:00	62.5	1789.8	96.5	0.0	0.0	366.7
04/18/15	00:00:00	59.0	1789.7	96.5	0.0	0.0	366.7
04/18/15	01:00:00	55.3	1789.5	96.5	0.0	0.0	366.7
04/18/15	02:00:00	52.9	1789.4	96.4	0.0	0.0	366.7
04/18/15	03:00:00	51.9	1789.3	96.4	0.0	0.0	366.7
04/18/15	04:00:00	55.8	1789.1	96.4	0.3	0.3	366.7
04/18/15	05:00:00	67.7	1789.7	95.6	1.0	0.1	366.7
04/18/15	06:00:00	71.5	1790.5	91.8	1.9	0.0	366.8
04/18/15	07:00:00	72.6	1790.8	89.2	1.9	0.0	366.9
04/18/15	08:00:00	77.0	1791.4	87.5	1.9	0.0	367.0
04/18/15	09:00:00	81.5	1792.1	85.8	3.6	0.0	367.1
04/18/15	10:00:00	85.9	1792.7	84.2	3.6	0.0	367.3
04/18/15	11:00:00	90.9	1793.3	82.9	3.6	0.0	367.4
04/18/15	12:00:00	96.8	1796.0	83.9	4.9	0.0	367.6
04/18/15	13:00:00	101.8	1797.9	86.4	5.5	0.0	367.9
04/18/15	14:00:00	105.0	1798.7	90.0	5.5	0.0	368.1
04/18/15	15:00:00	106.7	1799.0	94.0	5.3	0.0	368.3
04/18/15	16:00:00	108.2	1801.7	98.7	6.5	0.0	368.6
04/18/15	17:00:00	107.8	1805.7	104.9	7.6	0.0	368.9
04/18/15	18:00:00	107.4	1806.3	110.8	7.6	0.0	369.2

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/18/15	19:00:00	105.3	1806.9	115.4	7.6	0.0	369.5
04/18/15	20:00:00	99.1	1807.4	116.4	7.7	0.0	369.8
04/18/15	21:00:00	93.3	1807.9	113.0	7.7	0.0	370.2
04/18/15	22:00:00	92.0	1808.3	109.5	7.7	0.0	370.5
04/18/15	23:00:00	91.2	1808.6	107.1	7.7	0.0	370.8
04/19/15	00:00:00	89.7	1809.1	104.7	7.8	0.0	371.1
04/19/15	01:00:00	87.4	1810.0	101.9	8.1	0.0	371.5
04/19/15	02:00:00	86.6	1810.2	98.7	8.0	0.0	371.8
04/19/15	03:00:00	82.8	1810.3	94.7	8.1	0.0	372.1
04/19/15	04:00:00	80.1	1810.4	89.8	8.0	0.0	372.5
04/19/15	05:00:00	79.2	1810.6	85.5	8.1	0.0	372.8
04/19/15	06:00:00	77.4	1810.5	81.3	8.1	0.0	373.1
04/19/15	07:00:00	77.9	1810.7	77.9	8.1	0.0	373.5
04/19/15	08:00:00	80.0	1810.7	75.8	8.0	0.0	373.8
04/19/15	09:00:00	83.8	1810.8	75.7	7.9	0.0	374.1
04/19/15	10:00:00	87.8	1811.2	76.9	7.9	0.0	374.5
04/19/15	11:00:00	93.7	1811.4	80.2	7.8	0.0	374.8
04/19/15	12:00:00	98.1	1811.9	85.3	7.7	0.0	375.1
04/19/15	13:00:00	101.9	1812.4	91.7	7.7	0.0	375.4
04/19/15	14:00:00	104.3	1813.0	98.8	7.7	0.0	375.8
04/19/15	15:00:00	107.5	1813.5	107.1	7.7	0.0	376.1
04/19/15	16:00:00	109.6	1814.1	116.8	7.7	0.0	376.4
04/19/15	17:00:00	110.3	1814.6	126.6	7.7	0.0	376.7
04/19/15	18:00:00	108.4	1814.8	134.7	7.7	0.0	377.0
04/19/15	19:00:00	103.0	1815.4	138.2	7.8	0.0	377.4
04/19/15	20:00:00	96.1	1815.5	135.8	7.9	0.0	377.7
04/19/15	21:00:00	91.8	1815.7	129.9	7.9	0.0	378.0
04/19/15	22:00:00	89.5	1815.8	124.1	7.9	0.0	378.4
04/19/15	23:00:00	88.3	1815.8	119.0	7.9	0.0	378.7
04/20/15	00:00:00	87.1	1815.9	114.4	7.9	0.0	379.0
04/20/15	01:00:00	83.9	1815.9	109.3	8.0	0.0	379.3
04/20/15	02:00:00	82.5	1815.9	103.7	8.0	0.0	379.7
04/20/15	03:00:00	81.7	1815.8	99.1	8.0	0.0	380.0
04/20/15	04:00:00	80.7	1815.7	94.6	8.0	0.0	380.3
04/20/15	05:00:00	81.0	1815.7	91.0	8.0	0.0	380.7
04/20/15	06:00:00	80.4	1815.7	87.8	8.0	0.0	381.0
04/20/15	07:00:00	79.9	1815.7	84.7	8.0	0.0	381.3
04/20/15	08:00:00	81.8	1815.8	82.7	8.0	0.0	381.7
04/20/15	09:00:00	84.5	1815.2	82.3	7.7	0.0	382.0
04/20/15	10:00:00	89.1	1814.8	83.9	7.4	0.0	382.3
04/20/15	11:00:00	92.9	1814.9	86.7	7.3	0.0	382.6
04/20/15	12:00:00	96.1	1808.9	89.9	4.1	0.0	382.8
04/20/15	13:00:00	98.8	1814.2	93.6	6.8	0.0	383.1
04/20/15	14:00:00	102.0	1821.8	100.8	9.5	0.0	383.5
04/20/15	15:00:00	104.7	1822.5	110.1	9.4	0.0	383.8
04/20/15	16:00:00	105.3	1823.4	119.7	9.4	0.0	384.2
04/20/15	17:00:00	104.2	1824.2	128.1	9.5	0.0	384.6
04/20/15	18:00:00	101.1	1824.5	133.7	9.5	0.0	385.0
04/20/15	19:00:00	97.0	1824.8	134.9	9.5	0.0	385.4
04/20/15	20:00:00	93.3	1825.1	132.3	9.5	0.0	385.8
04/20/15	21:00:00	90.3	1825.5	127.9	9.6	0.0	386.2
04/20/15	22:00:00	88.2	1825.6	122.6	9.6	0.0	386.6
04/20/15	23:00:00	86.4	1826.0	117.1	9.7	0.0	387.0
04/21/15	00:00:00	84.8	1826.2	111.5	9.8	0.0	387.4
04/21/15	01:00:00	84.5	1822.8	106.7	8.6	0.0	387.8
04/21/15	02:00:00	83.4	1819.9	102.9	7.7	0.0	388.1
04/21/15	03:00:00	83.0	1819.7	99.4	7.7	0.0	388.4
04/21/15	04:00:00	82.7	1823.0	96.1	8.9	0.0	388.8
04/21/15	05:00:00	82.9	1826.1	92.5	9.8	0.0	389.2
04/21/15	06:00:00	82.5	1826.1	89.5	9.8	0.0	389.6
04/21/15	07:00:00	82.8	1826.3	87.1	9.8	0.0	390.0
04/21/15	08:00:00	83.8	1826.6	85.5	9.8	0.0	390.4
04/21/15	09:00:00	86.2	1826.7	85.5	9.8	0.0	390.9
04/21/15	10:00:00	89.1	1826.8	87.0	9.7	0.0	391.3
04/21/15	11:00:00	92.3	1826.1	90.2	9.2	0.0	391.6
04/21/15	12:00:00	94.6	1821.8	94.0	7.7	0.0	392.0
04/21/15	13:00:00	98.9	1820.3	98.3	6.3	0.5	392.2

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/21/15	14:00:00	100.1	1825.8	102.8	9.0	0.0	392.6
04/21/15	15:00:00	100.5	1827.8	110.2	9.5	0.0	393.0
04/21/15	16:00:00	100.3	1828.7	116.5	9.5	0.0	393.4
04/21/15	17:00:00	99.1	1829.2	121.6	9.6	0.0	393.8
04/21/15	18:00:00	96.4	1829.7	124.5	9.7	0.0	394.2
04/21/15	19:00:00	93.5	1829.7	124.1	9.6	0.0	394.6
04/21/15	20:00:00	90.4	1829.5	121.5	9.5	0.0	395.0
04/21/15	21:00:00	85.9	1824.8	116.1	8.0	0.0	395.3
04/21/15	22:00:00	82.4	1828.5	109.3	9.4	0.0	395.7
04/21/15	23:00:00	80.7	1829.9	101.8	9.9	0.0	396.1
04/22/15	00:00:00	79.6	1829.6	95.6	9.8	0.0	396.5
04/22/15	01:00:00	78.4	1829.5	90.1	9.8	0.0	396.9
04/22/15	02:00:00	78.2	1829.7	85.3	9.8	0.0	397.3
04/22/15	03:00:00	77.8	1829.8	81.4	9.9	0.0	397.7
04/22/15	04:00:00	77.0	1829.8	77.7	9.9	0.0	398.2
04/22/15	05:00:00	76.5	1829.7	74.2	9.8	0.0	398.6
04/22/15	06:00:00	79.0	1829.9	72.2	9.8	0.0	399.0
04/22/15	07:00:00	81.2	1829.9	71.8	9.8	0.0	399.4
04/22/15	08:00:00	81.9	1830.3	71.6	9.8	0.0	399.8
04/22/15	09:00:00	85.2	1830.3	72.5	9.7	0.0	400.2
04/22/15	10:00:00	84.1	1830.7	73.4	9.8	0.0	400.6
04/22/15	11:00:00	88.5	1830.4	74.9	9.5	0.0	401.0
04/22/15	12:00:00	93.2	1830.6	79.3	9.5	0.0	401.4
04/22/15	13:00:00	96.2	1826.2	84.4	7.8	0.0	401.7
04/22/15	14:00:00	98.0	1825.2	89.6	7.4	0.0	402.0
04/22/15	15:00:00	100.0	1823.8	94.2	6.6	0.0	402.3
04/22/15	16:00:00	102.9	1822.4	99.3	5.8	0.0	402.5
04/22/15	17:00:00	104.8	1831.3	108.3	9.4	0.0	402.9
04/22/15	18:00:00	105.0	1832.3	117.9	9.4	0.0	403.3
04/22/15	19:00:00	102.8	1832.9	126.1	9.5	0.0	403.7
04/22/15	20:00:00	97.5	1833.2	128.8	9.5	0.0	404.1
04/22/15	21:00:00	92.7	1833.7	126.5	9.6	0.0	404.5
04/22/15	22:00:00	91.9	1833.9	123.6	9.6	0.0	404.9
04/22/15	23:00:00	90.2	1834.2	121.0	9.7	0.0	405.3
04/23/15	00:00:00	88.3	1834.5	117.4	9.8	0.0	405.7
04/23/15	01:00:00	85.5	1834.4	112.5	9.7	0.0	406.1
04/23/15	02:00:00	85.6	1834.7	108.6	9.8	0.0	406.5
04/23/15	03:00:00	83.2	1835.1	103.7	10.0	0.0	407.0
04/23/15	04:00:00	81.6	1834.8	98.3	9.9	0.0	407.4
04/23/15	05:00:00	80.0	1834.7	93.3	9.9	0.0	407.8
04/23/15	06:00:00	78.2	1834.5	88.0	9.9	0.0	408.2
04/23/15	07:00:00	77.9	1834.5	83.4	9.9	0.0	408.6
04/23/15	08:00:00	79.7	1834.8	80.2	9.9	0.0	409.0
04/23/15	09:00:00	83.1	1834.5	79.7	9.8	0.0	409.4
04/23/15	10:00:00	88.1	1834.6	81.4	9.7	0.0	409.8
04/23/15	11:00:00	92.4	1834.9	85.3	9.6	0.0	410.2
04/23/15	12:00:00	96.5	1835.4	91.3	9.6	0.0	410.6
04/23/15	13:00:00	99.9	1835.7	98.7	9.5	0.0	411.0
04/23/15	14:00:00	104.1	1836.4	108.7	9.5	0.0	411.4
04/23/15	15:00:00	106.6	1836.9	120.4	9.5	0.0	411.8
04/23/15	16:00:00	108.7	1837.3	133.5	9.4	0.0	412.2
04/23/15	17:00:00	106.6	1837.8	145.0	9.4	0.0	412.6
04/23/15	18:00:00	102.2	1838.2	150.4	9.5	0.0	413.0
04/23/15	19:00:00	100.0	1838.4	152.9	9.5	0.0	413.4
04/23/15	20:00:00	97.1	1838.3	152.3	9.5	0.0	413.8
04/23/15	21:00:00	94.8	1838.8	150.4	9.6	0.0	414.2
04/23/15	22:00:00	92.7	1839.2	146.5	9.7	0.0	414.6
04/23/15	23:00:00	86.2	1839.5	138.6	9.8	0.0	415.0
04/24/15	00:00:00	86.2	1839.2	129.2	9.8	0.0	415.4
04/24/15	01:00:00	90.0	1839.2	126.4	9.7	0.0	415.8
04/24/15	02:00:00	89.9	1839.3	125.0	9.7	0.0	416.2
04/24/15	03:00:00	88.4	1839.4	122.3	9.8	0.0	416.6
04/24/15	04:00:00	86.8	1839.7	118.2	9.9	0.0	417.1
04/24/15	05:00:00	86.1	1839.7	114.1	9.9	0.0	417.5
04/24/15	06:00:00	85.7	1839.6	110.2	9.8	0.0	417.9
04/24/15	07:00:00	76.2	1822.4	108.7	0.2	0.0	417.9
04/24/15	08:00:00	56.5	1819.5	110.5	0.0	0.0	417.9

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/24/15	09:00:00	59.2	1818.7	111.1	0.0	0.0	417.9
04/24/15	10:00:00	63.3	1817.9	111.5	0.0	0.0	417.9
04/24/15	11:00:00	69.9	1817.1	111.8	0.0	0.0	417.9
04/24/15	12:00:00	81.5	1816.4	112.2	0.0	0.0	417.9
04/24/15	13:00:00	87.1	1815.8	112.4	0.0	0.0	417.9
04/24/15	14:00:00	96.0	1816.1	112.6	1.4	0.5	417.9
04/24/15	15:00:00	97.1	1827.8	113.4	7.7	0.0	418.2
04/24/15	16:00:00	98.3	1834.1	115.6	9.6	0.0	418.6
04/24/15	17:00:00	98.9	1834.8	119.3	9.6	0.0	419.0
04/24/15	18:00:00	96.2	1835.3	122.0	9.6	0.0	419.4
04/24/15	19:00:00	92.2	1835.7	120.5	9.6	0.0	419.8
04/24/15	20:00:00	90.1	1836.1	117.7	9.6	0.0	420.2
04/24/15	21:00:00	89.2	1836.5	114.7	9.7	0.0	420.6
04/24/15	22:00:00	88.5	1836.8	112.4	9.7	0.0	421.0
04/24/15	23:00:00	88.2	1837.2	110.2	9.7	0.0	421.4
04/25/15	00:00:00	85.5	1837.3	107.1	9.7	0.0	421.9
04/25/15	01:00:00	84.5	1837.5	102.9	9.7	0.0	422.3
04/25/15	02:00:00	84.2	1837.6	99.8	9.7	0.0	422.7
04/25/15	03:00:00	83.2	1837.7	95.8	9.7	0.0	423.1
04/25/15	04:00:00	84.1	1838.1	93.7	9.8	0.0	423.5
04/25/15	05:00:00	84.9	1838.3	92.0	9.8	0.0	423.9
04/25/15	06:00:00	84.9	1838.5	91.1	9.7	0.0	424.3
04/25/15	07:00:00	84.5	1838.7	89.9	9.8	0.0	424.7
04/25/15	08:00:00	86.1	1838.8	89.2	9.7	0.0	425.1
04/25/15	09:00:00	88.1	1839.2	90.3	9.8	0.0	425.5
04/25/15	10:00:00	89.3	1839.4	91.9	9.7	0.0	425.9
04/25/15	11:00:00	90.7	1839.6	93.8	9.6	0.0	426.3
04/25/15	12:00:00	93.0	1840.0	97.1	9.6	0.0	426.7
04/25/15	13:00:00	92.9	1840.4	100.0	9.6	0.0	427.1
04/25/15	14:00:00	94.7	1839.5	103.5	9.1	0.0	427.5
04/25/15	15:00:00	97.2	1839.8	108.0	9.2	0.0	427.9
04/25/15	16:00:00	98.8	1842.0	114.3	9.7	0.0	428.3
04/25/15	17:00:00	99.1	1842.3	120.6	9.7	0.0	428.7
04/25/15	18:00:00	98.2	1842.5	125.4	9.7	0.0	429.1
04/25/15	19:00:00	96.4	1842.9	128.5	9.7	0.0	429.5
04/25/15	20:00:00	92.6	1842.9	128.0	9.7	0.0	429.9
04/25/15	21:00:00	89.8	1843.3	124.5	9.8	0.0	430.3
04/25/15	22:00:00	87.5	1843.3	120.3	9.8	0.0	430.7
04/25/15	23:00:00	87.7	1843.8	116.4	9.9	0.0	431.1
04/26/15	00:00:00	86.3	1843.9	113.0	9.9	0.0	431.5
04/26/15	01:00:00	84.9	1843.9	108.6	10.0	0.0	432.0
04/26/15	02:00:00	84.3	1843.9	104.5	9.9	0.0	432.4
04/26/15	03:00:00	83.3	1843.8	100.7	9.9	0.0	432.8
04/26/15	04:00:00	82.5	1843.9	96.8	10.0	0.0	433.2
04/26/15	05:00:00	81.0	1843.9	92.6	10.0	0.0	433.6
04/26/15	06:00:00	80.2	1844.0	88.7	10.0	0.0	434.0
04/26/15	07:00:00	79.8	1843.9	85.0	10.0	0.0	434.4
04/26/15	08:00:00	83.3	1843.8	83.6	9.9	0.0	434.9
04/26/15	09:00:00	87.6	1843.6	84.9	9.7	0.0	435.3
04/26/15	10:00:00	91.8	1844.0	88.5	9.7	0.0	435.7
04/26/15	11:00:00	93.9	1844.1	93.0	9.6	0.0	436.1
04/26/15	12:00:00	95.4	1844.4	97.9	9.5	0.0	436.5
04/26/15	13:00:00	99.2	1845.2	104.3	9.6	0.0	436.9
04/26/15	14:00:00	102.1	1845.4	113.0	9.5	0.0	437.3
04/26/15	15:00:00	104.5	1846.1	123.3	9.5	0.0	437.7
04/26/15	16:00:00	104.6	1846.6	133.2	9.5	0.0	438.0
04/26/15	17:00:00	105.7	1846.9	142.9	9.5	0.0	438.4
04/26/15	18:00:00	106.0	1847.0	153.1	9.4	0.0	438.8
04/26/15	19:00:00	104.1	1847.5	161.0	9.4	0.0	439.2
04/26/15	20:00:00	99.4	1847.6	163.7	9.5	0.0	439.6
04/26/15	21:00:00	94.5	1847.8	159.7	9.6	0.0	440.0
04/26/15	22:00:00	91.9	1848.2	153.4	9.7	0.0	440.4
04/26/15	23:00:00	90.9	1848.5	147.9	9.8	0.0	440.8
04/27/15	00:00:00	89.7	1848.7	142.4	9.8	0.0	441.2
04/27/15	01:00:00	89.1	1848.6	137.5	9.8	0.0	441.6
04/27/15	02:00:00	87.8	1848.7	132.7	9.8	0.0	442.1
04/27/15	03:00:00	85.5	1848.9	126.9	9.9	0.0	442.5

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/27/15	04:00:00	84.5	1848.7	119.7	9.8	0.0	442.9
04/27/15	05:00:00	86.3	1848.6	116.1	9.8	0.0	443.3
04/27/15	06:00:00	85.7	1848.7	113.3	9.8	0.0	443.7
04/27/15	07:00:00	83.5	1848.6	108.5	9.8	0.0	444.1
04/27/15	08:00:00	85.2	1848.3	105.1	9.7	0.0	444.5
04/27/15	09:00:00	89.9	1848.0	106.0	9.5	0.0	444.9
04/27/15	10:00:00	94.1	1848.6	109.8	9.6	0.0	445.3
04/27/15	11:00:00	97.2	1849.0	115.9	9.6	0.0	445.7
04/27/15	12:00:00	101.6	1849.4	124.5	9.6	0.0	446.1
04/27/15	13:00:00	103.7	1849.6	134.9	9.5	0.0	446.5
04/27/15	14:00:00	107.0	1849.4	146.8	9.2	0.0	446.9
04/27/15	15:00:00	109.7	1850.1	160.9	9.2	0.0	447.3
04/27/15	16:00:00	111.3	1850.6	176.1	9.2	0.0	447.7
04/27/15	17:00:00	110.9	1851.0	191.1	9.2	0.0	448.0
04/27/15	18:00:00	109.3	1851.3	202.6	9.3	0.0	448.4
04/27/15	19:00:00	108.5	1851.9	211.6	9.3	0.0	448.8
04/27/15	20:00:00	107.8	1852.0	219.2	9.3	0.0	449.2
04/27/15	21:00:00	103.2	1852.5	222.3	9.4	0.0	449.6
04/27/15	22:00:00	99.3	1852.7	216.8	9.4	0.0	450.0
04/27/15	23:00:00	99.0	1853.2	212.1	9.6	0.0	450.4
04/28/15	00:00:00	96.3	1853.8	207.5	9.7	0.0	450.8
04/28/15	01:00:00	92.5	1853.9	197.9	9.8	0.0	451.2
04/28/15	02:00:00	86.8	1853.7	184.1	9.8	0.0	451.6
04/28/15	03:00:00	85.2	1853.4	168.4	9.8	0.0	452.0
04/28/15	04:00:00	86.5	1853.4	157.7	9.8	0.0	452.4
04/28/15	05:00:00	84.6	1853.4	148.4	9.9	0.0	452.8
04/28/15	06:00:00	86.1	1853.4	141.3	9.8	0.0	453.2
04/28/15	07:00:00	85.8	1853.5	135.6	9.8	0.0	453.7
04/28/15	08:00:00	87.8	1853.6	131.8	9.8	0.0	454.1
04/28/15	09:00:00	88.9	1852.9	130.1	9.6	0.0	454.5
04/28/15	10:00:00	93.4	1852.8	131.4	9.5	0.0	454.9
04/28/15	11:00:00	99.8	1852.8	138.4	9.4	0.0	455.3
04/28/15	12:00:00	103.7	1853.2	149.3	9.3	0.0	455.6
04/28/15	13:00:00	107.8	1853.7	163.0	9.3	0.0	456.0
04/28/15	14:00:00	111.2	1854.1	180.0	9.2	0.0	456.4
04/28/15	15:00:00	113.4	1854.7	198.5	9.2	0.0	456.8
04/28/15	16:00:00	114.5	1854.9	217.7	9.1	0.0	457.2
04/28/15	17:00:00	112.8	1855.6	232.9	9.3	0.0	457.6
04/28/15	18:00:00	111.4	1856.0	245.0	9.3	0.0	458.0
04/28/15	19:00:00	108.0	1856.4	251.5	9.3	0.0	458.3
04/28/15	20:00:00	103.4	1856.5	250.2	9.4	0.0	458.7
04/28/15	21:00:00	99.9	1856.9	244.5	9.6	0.0	459.1
04/28/15	22:00:00	94.2	1857.1	232.7	9.7	0.0	459.5
04/28/15	23:00:00	89.6	1857.2	215.9	9.7	0.0	459.9
04/29/15	00:00:00	87.2	1857.0	198.4	9.8	0.0	460.4
04/29/15	01:00:00	86.3	1857.3	184.5	9.9	0.0	460.8
04/29/15	02:00:00	83.3	1857.1	169.1	9.9	0.0	461.2
04/29/15	03:00:00	83.5	1857.0	156.5	9.9	0.0	461.6
04/29/15	04:00:00	82.7	1856.7	145.7	9.9	0.0	462.0
04/29/15	05:00:00	81.9	1856.6	136.1	9.9	0.0	462.4
04/29/15	06:00:00	81.4	1856.3	127.4	9.9	0.0	462.8
04/29/15	07:00:00	84.5	1856.3	122.5	9.8	0.0	463.2
04/29/15	08:00:00	85.7	1856.5	120.3	9.8	0.0	463.6
04/29/15	09:00:00	89.9	1856.0	120.2	9.7	0.0	464.0
04/29/15	10:00:00	95.6	1856.2	125.2	9.6	0.0	464.4
04/29/15	11:00:00	99.8	1856.3	133.4	9.5	0.0	464.8
04/29/15	12:00:00	104.0	1856.6	144.9	9.3	0.0	465.2
04/29/15	13:00:00	106.9	1857.2	158.6	9.4	0.0	465.6
04/29/15	14:00:00	109.8	1857.6	174.4	9.3	0.0	466.0
04/29/15	15:00:00	111.7	1858.3	191.7	9.3	0.0	466.4
04/29/15	16:00:00	113.2	1858.7	209.9	9.3	0.0	466.8
04/29/15	17:00:00	112.9	1859.0	226.5	9.3	0.0	467.2

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/29/15	18:00:00	111.9	1859.2	240.5	9.3	0.0	467.6
04/29/15	19:00:00	109.1	1859.7	249.7	9.3	0.0	467.9
04/29/15	20:00:00	103.6	1859.6	250.7	9.3	0.0	468.3
04/29/15	21:00:00	98.0	1859.8	241.7	9.4	0.0	468.7
04/29/15	22:00:00	95.4	1860.2	230.2	9.5	0.0	469.1
04/29/15	23:00:00	95.0	1860.5	221.3	9.6	0.0	469.5
04/30/15	00:00:00	92.4	1860.6	211.7	9.7	0.0	469.9
04/30/15	01:00:00	89.9	1860.5	201.6	9.7	0.0	470.3
04/30/15	02:00:00	86.5	1860.5	186.7	9.8	0.0	470.7
04/30/15	03:00:00	85.0	1860.5	173.2	9.8	0.0	471.1
04/30/15	04:00:00	83.7	1860.3	161.3	9.8	0.0	471.6
04/30/15	05:00:00	84.0	1860.0	150.2	9.8	0.0	472.0
04/30/15	06:00:00	84.3	1859.8	142.7	9.7	0.0	472.4
04/30/15	07:00:00	82.1	1859.5	134.1	9.7	0.0	472.8
04/30/15	08:00:00	85.4	1859.5	128.8	9.7	0.0	473.2
04/30/15	09:00:00	91.9	1859.2	129.8	9.5	0.0	473.6
04/30/15	10:00:00	97.6	1859.6	136.7	9.5	0.0	474.0
04/30/15	11:00:00	101.9	1859.7	146.8	9.4	0.0	474.4
04/30/15	12:00:00	106.3	1859.8	159.9	9.2	0.0	474.7
04/30/15	13:00:00	110.1	1860.3	176.7	9.2	0.0	475.1
04/30/15	14:00:00	113.6	1861.1	196.2	9.2	0.0	475.5
04/30/15	15:00:00	115.4	1861.9	218.4	9.2	0.0	475.9
04/30/15	16:00:00	116.3	1862.3	239.8	9.2	0.0	476.3
04/30/15	17:00:00	115.9	1862.7	259.0	9.2	0.0	476.7
04/30/15	18:00:00	115.3	1862.8	275.5	9.2	0.0	477.0
04/30/15	19:00:00	112.3	1863.1	286.8	9.1	0.0	477.4
04/30/15	20:00:00	109.8	1863.2	291.6	9.2	0.0	477.8
04/30/15	21:00:00	104.7	1863.5	290.7	9.3	0.0	478.2
04/30/15	22:00:00	101.4	1864.1	282.0	9.5	0.0	478.6
04/30/15	23:00:00	97.8	1864.3	271.9	9.5	0.0	479.0
05/01/15	00:00:00	97.2	1864.6	261.4	9.6	0.0	479.4
05/01/15	00:00:00	97.2	1864.6	261.4	9.6	0.0	479.4
05/01/15	01:00:00	93.0	1864.5	247.9	9.6	0.0	479.8
05/01/15	02:00:00	90.2	1864.3	232.0	9.6	0.0	480.2
05/01/15	03:00:00	90.0	1864.4	218.2	9.7	0.0	480.6
05/01/15	04:00:00	88.5	1864.3	205.6	9.7	0.0	481.0
05/01/15	05:00:00	86.4	1864.1	192.4	9.7	0.0	481.4
05/01/15	06:00:00	84.4	1864.0	178.8	9.8	0.0	481.8
05/01/15	07:00:00	84.3	1863.5	166.3	9.6	0.0	482.2
05/01/15	08:00:00	89.1	1863.6	160.3	9.6	0.0	482.6
05/01/15	09:00:00	95.1	1863.1	162.5	9.4	0.0	483.0
05/01/15	10:00:00	100.6	1863.5	171.1	9.3	0.0	483.4
05/01/15	11:00:00	105.6	1863.8	183.8	9.4	0.0	483.8
05/01/15	12:00:00	106.8	1855.9	196.0	4.6	0.0	484.0
05/01/15	13:00:00	109.3	1845.8	187.1	0.0	0.0	484.0
05/01/15	14:00:00	116.2	1844.7	181.0	0.0	0.0	484.0
05/01/15	15:00:00	118.5	1843.8	177.0	0.0	0.0	484.0
05/01/15	16:00:00	116.4	1843.0	173.9	0.0	0.0	484.0
05/01/15	17:00:00	111.1	1842.2	171.4	0.0	0.0	484.0
05/01/15	18:00:00	102.9	1841.4	169.1	0.0	0.0	484.0
05/01/15	19:00:00	93.3	1841.0	167.0	0.0	0.0	484.0
05/01/15	20:00:00	83.0	1840.2	164.9	0.0	0.0	484.0
05/01/15	21:00:00	74.5	1839.8	162.9	0.0	0.0	484.0
05/01/15	22:00:00	70.0	1839.4	161.0	0.0	0.0	484.0
05/01/15	23:00:00	67.3	1839.0	159.1	0.0	0.0	484.0
05/02/15	00:00:00	65.7	1838.6	157.4	0.0	0.0	484.0
05/02/15	01:00:00	63.6	1838.2	155.9	0.0	0.0	484.0
05/02/15	02:00:00	59.9	1837.8	154.4	0.0	0.0	484.0
05/02/15	03:00:00	58.0	1837.5	153.0	0.0	0.0	484.0
05/02/15	04:00:00	57.5	1837.1	151.7	0.0	0.0	484.0
05/02/15	05:00:00	56.2	1836.8	150.4	0.0	0.0	484.0
05/02/15	06:00:00	53.6	1836.5	149.3	0.0	0.0	484.0
05/02/15	07:00:00	53.2	1836.2	148.2	0.0	0.0	484.0
05/02/15	08:00:00	56.5	1835.9	147.2	0.0	0.0	484.0
05/02/15	09:00:00	60.7	1835.4	146.5	0.0	0.0	484.0
05/02/15	10:00:00	66.6	1835.3	145.7	0.0	0.0	484.0
05/02/15	11:00:00	77.9	1834.8	145.1	0.0	0.0	484.0

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/02/15	12:00:00	92.2	1834.5	144.7	0.0	0.0	484.0
05/02/15	13:00:00	101.9	1834.4	144.2	0.0	0.0	484.0
05/02/15	14:00:00	108.6	1834.2	143.7	0.0	0.0	484.0
05/02/15	15:00:00	110.8	1834.0	143.3	0.0	0.0	484.0
05/02/15	16:00:00	109.3	1833.8	143.0	0.0	0.0	484.0
05/02/15	17:00:00	104.2	1833.5	142.6	0.0	0.0	484.0
05/02/15	18:00:00	96.8	1833.1	142.3	0.0	0.0	484.0
05/02/15	19:00:00	86.5	1833.1	141.8	0.0	0.0	484.0
05/02/15	20:00:00	77.0	1832.7	141.2	0.0	0.0	484.0
05/02/15	21:00:00	69.2	1832.6	140.6	0.0	0.0	484.0
05/02/15	22:00:00	64.2	1832.5	139.9	0.0	0.0	484.0
05/02/15	23:00:00	61.0	1832.4	139.1	0.0	0.0	484.0
05/03/15	00:00:00	58.6	1832.2	138.4	0.0	0.0	484.0
05/03/15	01:00:00	57.0	1832.1	137.7	0.0	0.0	484.0
05/03/15	02:00:00	55.1	1831.9	137.1	0.0	0.0	484.0
05/03/15	03:00:00	53.7	1831.8	136.5	0.0	0.0	484.0
05/03/15	04:00:00	52.6	1831.7	135.9	0.0	0.0	484.0
05/03/15	05:00:00	51.8	1831.5	135.4	0.0	0.0	484.0
05/03/15	06:00:00	51.3	1831.3	134.9	0.0	0.0	484.0
05/03/15	07:00:00	50.5	1831.2	134.4	0.0	0.0	484.0
05/03/15	08:00:00	54.0	1831.0	134.0	0.0	0.0	484.0
05/03/15	09:00:00	58.3	1830.8	133.7	0.0	0.0	484.0
05/03/15	10:00:00	63.5	1830.7	133.5	0.0	0.0	484.0
05/03/15	11:00:00	73.7	1830.4	133.4	0.0	0.0	484.0
05/03/15	12:00:00	91.1	1831.0	133.4	0.8	0.0	484.0
05/03/15	13:00:00	99.9	1845.9	131.7	8.8	0.0	484.4
05/03/15	14:00:00	104.8	1849.0	134.6	9.2	0.0	484.8
05/03/15	15:00:00	106.6	1850.5	141.7	9.2	0.0	485.1
05/03/15	16:00:00	107.1	1851.9	150.3	9.4	0.0	485.5
05/03/15	17:00:00	105.7	1852.6	158.2	9.4	0.0	485.9
05/03/15	18:00:00	102.8	1853.2	162.5	9.3	0.0	486.3
05/03/15	19:00:00	98.9	1854.2	163.2	9.4	0.0	486.7
05/03/15	20:00:00	94.2	1854.6	159.0	9.5	0.0	487.1
05/03/15	21:00:00	90.5	1855.2	151.5	9.6	0.0	487.5
05/03/15	22:00:00	88.1	1855.8	143.4	9.7	0.0	487.9
05/03/15	23:00:00	85.5	1856.2	135.0	9.7	0.0	488.3
05/04/15	00:00:00	85.1	1856.5	127.4	9.7	0.0	488.7
05/04/15	01:00:00	84.5	1856.6	121.5	9.7	0.0	489.1
05/04/15	02:00:00	83.8	1856.9	115.9	9.7	0.0	489.5
05/04/15	03:00:00	83.9	1857.1	111.3	9.7	0.0	489.9
05/04/15	04:00:00	83.6	1857.2	107.5	9.7	0.0	490.3
05/04/15	05:00:00	82.9	1857.4	103.7	9.7	0.0	490.7
05/04/15	06:00:00	82.3	1857.6	100.0	9.7	0.0	491.1
05/04/15	07:00:00	81.9	1858.0	96.3	9.7	0.0	491.5
05/04/15	08:00:00	85.0	1858.2	94.7	9.7	0.0	491.9
05/04/15	09:00:00	88.6	1858.4	96.2	9.6	0.0	492.3
05/04/15	10:00:00	91.9	1858.8	99.5	9.6	0.0	492.7
05/04/15	11:00:00	94.6	1858.7	104.3	9.4	0.0	493.1
05/04/15	12:00:00	95.0	1851.1	109.4	5.9	1.2	493.3
05/04/15	13:00:00	91.9	1841.5	110.7	0.0	0.0	493.3
05/04/15	14:00:00	94.3	1840.6	112.3	0.0	0.0	493.3
05/04/15	15:00:00	87.7	1834.5	115.7	0.0	3.9	493.2
05/04/15	16:00:00	84.0	1830.9	121.8	0.0	5.1	493.0
05/04/15	17:00:00	83.0	1837.3	123.9	0.0	0.0	493.0
05/04/15	18:00:00	83.6	1837.3	123.1	0.0	0.0	493.0
05/04/15	19:00:00	75.6	1837.2	122.8	0.0	0.0	493.0
05/04/15	20:00:00	68.6	1836.6	122.7	0.0	0.0	493.0
05/04/15	21:00:00	61.9	1836.3	122.6	0.0	0.0	493.0
05/04/15	22:00:00	57.0	1836.1	122.4	0.0	0.0	493.0
05/04/15	23:00:00	53.1	1835.8	122.3	0.0	0.0	493.0
05/05/15	00:00:00	50.7	1835.6	122.2	0.0	0.0	493.0
05/05/15	01:00:00	49.5	1835.3	122.0	0.0	0.0	493.0
05/05/15	02:00:00	48.4	1835.0	121.9	0.0	0.0	493.0
05/05/15	03:00:00	46.8	1834.8	121.8	0.0	0.0	493.0
05/05/15	04:00:00	45.4	1834.6	121.6	0.0	0.0	493.0
05/05/15	05:00:00	44.7	1834.3	121.5	0.0	0.0	493.0
05/05/15	06:00:00	43.7	1834.1	121.3	0.0	0.0	493.0

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/05/15	07:00:00	43.8	1834.0	121.2	0.0	0.0	493.0
05/05/15	08:00:00	49.9	1833.7	121.2	0.0	0.0	493.0
05/05/15	09:00:00	76.6	1825.9	128.2	0.0	5.1	492.7
05/05/15	10:00:00	77.0	1832.2	130.9	0.0	0.1	492.7
05/05/15	11:00:00	78.6	1812.3	137.8	0.0	9.5	492.3
05/05/15	12:00:00	86.7	1830.5	142.2	0.0	0.0	492.3
05/05/15	13:00:00	81.7	1610.4	175.9	0.0	34.2	490.9
05/05/15	14:00:00	94.4	1822.8	211.6	0.0	0.6	490.9
05/05/15	15:00:00	100.8	1829.1	189.6	0.0	0.4	490.9
05/05/15	16:00:00	99.6	1829.5	179.3	0.0	0.2	490.9
05/05/15	17:00:00	94.7	1829.4	172.8	0.0	0.1	490.9
05/05/15	18:00:00	81.3	1779.0	178.2	0.0	13.2	490.3
05/05/15	19:00:00	79.2	1798.2	205.9	0.1	4.1	490.2
05/05/15	20:00:00	92.0	1839.8	184.7	7.8	0.0	490.5
05/05/15	21:00:00	92.4	1845.7	166.1	9.5	0.0	490.9
05/05/15	22:00:00	89.9	1847.8	151.5	9.6	0.0	491.3
05/05/15	23:00:00	86.8	1849.4	138.1	9.7	0.0	491.7
05/06/15	00:00:00	85.2	1850.6	126.2	9.7	0.0	492.1
05/06/15	01:00:00	85.1	1851.3	117.4	9.8	0.0	492.5
05/06/15	02:00:00	80.2	1851.4	108.1	9.7	0.0	492.9
05/06/15	03:00:00	79.8	1851.6	100.3	9.7	0.0	493.3
05/06/15	04:00:00	80.3	1852.0	94.9	9.7	0.0	493.7
05/06/15	05:00:00	78.0	1852.2	89.5	9.7	0.0	494.1
05/06/15	06:00:00	77.6	1852.5	84.5	9.7	0.0	494.5
05/06/15	07:00:00	78.1	1853.0	81.1	9.7	0.1	494.9
05/06/15	08:00:00	83.3	1853.4	79.6	9.6	0.4	495.3
05/06/15	09:00:00	79.7	1775.8	91.4	0.5	16.5	494.6
05/06/15	10:00:00	80.6	1719.4	128.5	0.0	21.7	493.7
05/06/15	11:00:00	82.3	1710.0	167.3	0.0	21.6	492.8
05/06/15	12:00:00	83.8	1706.3	204.8	0.0	21.5	491.9
05/06/15	13:00:00	85.1	1704.4	237.1	0.0	21.4	491.0
05/06/15	14:00:00	86.2	1704.4	259.6	0.0	21.0	490.2
05/06/15	15:00:00	87.1	1701.7	273.7	0.0	21.1	489.3
05/06/15	16:00:00	87.7	1701.4	281.9	0.0	20.9	488.4
05/06/15	17:00:00	88.3	1696.3	287.9	0.0	21.3	487.5
05/06/15	18:00:00	88.7	1694.8	293.4	0.0	21.2	486.6
05/06/15	19:00:00	92.0	1822.9	282.2	4.8	0.2	486.8
05/06/15	20:00:00	99.7	1836.4	255.7	9.3	0.0	487.2
05/06/15	21:00:00	97.2	1838.8	236.8	9.3	0.0	487.6
05/06/15	22:00:00	95.6	1841.0	219.6	9.5	0.0	488.0
05/06/15	23:00:00	92.5	1843.0	203.2	9.6	0.0	488.4
05/07/15	00:00:00	88.4	1844.2	186.6	9.6	0.0	488.8
05/07/15	01:00:00	86.1	1842.4	171.3	8.6	0.1	489.1
05/07/15	02:00:00	88.5	1845.7	159.2	9.5	0.3	489.5
05/07/15	03:00:00	88.2	1842.4	151.8	8.2	0.1	489.9
05/07/15	04:00:00	87.8	1845.7	145.1	9.2	0.2	490.2
05/07/15	05:00:00	87.7	1844.7	139.0	8.6	0.0	490.6
05/07/15	06:00:00	85.3	1843.2	133.5	8.0	0.0	490.9
05/07/15	07:00:00	84.2	1846.4	126.7	9.0	0.0	491.3
05/07/15	08:00:00	86.4	1848.6	122.0	9.5	0.1	491.7
05/07/15	09:00:00	82.5	1757.7	133.8	0.2	18.1	491.0
05/07/15	10:00:00	83.9	1706.0	174.5	0.0	21.7	490.0
05/07/15	11:00:00	85.3	1690.1	218.5	0.0	22.9	489.1
05/07/15	12:00:00	86.5	1687.5	259.6	0.0	22.8	488.1
05/07/15	13:00:00	87.6	1684.9	289.6	0.0	22.9	487.2
05/07/15	14:00:00	88.5	1683.3	307.9	0.0	22.7	486.2
05/07/15	15:00:00	89.2	1681.3	318.4	0.0	22.7	485.3
05/07/15	16:00:00	89.7	1678.2	324.7	0.0	22.7	484.4
05/07/15	17:00:00	90.1	1676.3	330.3	0.0	22.7	483.4
05/07/15	18:00:00	90.3	1674.3	335.5	0.0	22.7	482.5
05/07/15	19:00:00	83.7	1814.7	318.6	4.1	0.2	482.6
05/07/15	20:00:00	88.5	1830.7	267.2	9.6	0.0	483.0
05/07/15	21:00:00	89.3	1832.9	234.7	9.5	0.0	483.4
05/07/15	22:00:00	94.7	1835.0	217.2	9.4	0.0	483.8
05/07/15	23:00:00	91.4	1837.2	204.1	9.6	0.0	484.2
05/08/15	00:00:00	90.3	1838.6	189.5	9.5	0.0	484.6
05/08/15	01:00:00	86.5	1840.0	176.9	9.7	0.0	485.0

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/08/15	02:00:00	86.2	1840.7	164.1	9.6	0.0	485.4
05/08/15	03:00:00	82.2	1841.7	151.3	9.7	0.0	485.8
05/08/15	04:00:00	79.6	1841.7	136.3	9.6	0.0	486.2
05/08/15	05:00:00	80.8	1842.0	125.4	9.6	0.0	486.6
05/08/15	06:00:00	79.0	1842.7	117.2	9.7	0.0	487.0
05/08/15	07:00:00	78.5	1843.0	108.8	9.6	0.0	487.4
05/08/15	08:00:00	76.8	1834.8	105.7	4.7	0.0	487.6
05/08/15	09:00:00	80.0	1733.9	132.8	0.0	21.3	486.7
05/08/15	10:00:00	82.7	1696.8	180.8	0.0	22.0	485.8
05/08/15	11:00:00	84.9	1687.2	231.3	0.0	22.4	484.9
05/08/15	12:00:00	86.4	1690.4	272.8	0.0	21.5	484.0
05/08/15	13:00:00	87.6	1690.8	302.1	0.0	21.3	483.1
05/08/15	14:00:00	88.5	1690.5	320.5	0.0	21.1	482.2
05/08/15	15:00:00	89.3	1685.5	331.6	0.0	21.5	481.3
05/08/15	16:00:00	89.8	1687.9	338.0	0.0	21.0	480.4
05/08/15	17:00:00	90.2	1686.6	341.5	0.0	20.9	479.6
05/08/15	18:00:00	90.5	1684.9	344.6	0.0	20.9	478.7
05/08/15	19:00:00	87.3	1806.3	330.5	0.0	0.0	478.7
05/08/15	20:00:00	94.6	1815.7	298.2	4.6	0.0	478.9
05/08/15	21:00:00	97.1	1827.0	274.5	9.0	0.0	479.3
05/08/15	22:00:00	95.4	1830.3	252.8	9.4	0.0	479.7
05/08/15	23:00:00	91.8	1832.5	232.8	9.5	0.0	480.0
05/09/15	00:00:00	88.1	1834.1	211.3	9.5	0.0	480.4
05/09/15	01:00:00	84.4	1835.3	189.7	9.5	0.0	480.8
05/09/15	02:00:00	82.4	1836.5	171.1	9.7	0.0	481.2
05/09/15	03:00:00	81.8	1837.1	156.8	9.6	0.0	481.6
05/09/15	04:00:00	82.0	1837.9	144.8	9.6	0.0	482.0
05/09/15	05:00:00	81.6	1838.6	134.1	9.7	0.0	482.4
05/09/15	06:00:00	82.0	1839.0	125.5	9.6	0.0	482.8
05/09/15	07:00:00	80.9	1839.6	118.2	9.7	0.0	483.2
05/09/15	08:00:00	84.2	1839.3	113.8	9.3	0.0	483.6
05/09/15	09:00:00	72.7	1822.8	117.4	0.2	0.1	483.6
05/09/15	10:00:00	66.9	1821.8	124.1	0.0	0.0	483.6
05/09/15	11:00:00	74.7	1821.4	128.7	0.0	0.0	483.6
05/09/15	12:00:00	85.7	1821.1	132.1	0.0	0.0	483.6
05/09/15	13:00:00	93.2	1821.1	134.6	0.0	0.0	483.6
05/09/15	14:00:00	97.4	1821.1	136.4	0.0	0.0	483.6
05/09/15	15:00:00	99.0	1821.0	137.8	0.0	0.0	483.6
05/09/15	16:00:00	98.2	1820.8	138.9	0.0	0.0	483.6
05/09/15	17:00:00	94.8	1820.6	139.9	0.0	0.0	483.6
05/09/15	18:00:00	88.8	1820.5	140.5	0.0	0.0	483.6
05/09/15	19:00:00	80.8	1820.5	140.9	0.0	0.0	483.6
05/09/15	20:00:00	73.4	1820.2	141.1	0.0	0.0	483.6
05/09/15	21:00:00	66.7	1820.1	141.2	0.0	0.0	483.6
05/09/15	22:00:00	61.7	1820.1	141.0	0.0	0.0	483.6
05/09/15	23:00:00	58.6	1820.1	140.8	0.0	0.0	483.6
05/10/15	00:00:00	56.5	1820.1	140.6	0.0	0.0	483.6
05/10/15	01:00:00	54.6	1820.0	140.3	0.0	0.0	483.6
05/10/15	02:00:00	52.3	1819.9	140.0	0.0	0.0	483.6
05/10/15	03:00:00	50.5	1819.8	139.6	0.0	0.0	483.6
05/10/15	04:00:00	49.2	1819.8	139.3	0.0	0.0	483.6
05/10/15	05:00:00	47.9	1819.7	139.0	0.0	0.0	483.6
05/10/15	06:00:00	46.7	1819.6	138.6	0.0	0.0	483.6
05/10/15	07:00:00	46.1	1819.6	138.3	0.0	0.0	483.6
05/10/15	08:00:00	50.7	1819.6	138.1	0.0	0.0	483.6
05/10/15	09:00:00	56.5	1819.3	138.0	0.0	0.0	483.6
05/10/15	10:00:00	62.6	1819.3	137.8	0.0	0.0	483.6
05/10/15	11:00:00	74.2	1819.1	137.8	0.0	0.0	483.6
05/10/15	12:00:00	88.5	1818.9	137.9	0.0	0.0	483.6
05/10/15	13:00:00	98.3	1818.9	137.9	0.0	0.0	483.6
05/10/15	14:00:00	103.0	1819.0	137.8	0.0	0.0	483.6
05/10/15	15:00:00	105.2	1819.0	137.8	0.0	0.0	483.6
05/10/15	16:00:00	104.7	1818.9	137.8	0.0	0.0	483.6
05/10/15	17:00:00	98.8	1818.7	137.9	0.0	0.0	483.6
05/10/15	18:00:00	91.8	1818.6	137.8	0.0	0.0	483.6
05/10/15	19:00:00	82.8	1818.7	137.7	0.0	0.0	483.6
05/10/15	20:00:00	74.7	1818.5	137.5	0.0	0.0	483.6

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
05/10/15	21:00:00	66.4	1818.5	137.2	0.0	0.0	483.6
05/10/15	22:00:00	60.7	1818.5	136.8	0.0	0.0	483.6
05/10/15	23:00:00	56.6	1818.5	136.4	0.0	0.0	483.6
05/11/15	00:00:00	53.4	1818.5	135.9	0.0	0.0	483.6
05/11/15	01:00:00	51.3	1818.5	135.5	0.0	0.0	483.6
05/11/15	02:00:00	50.0	1818.5	135.1	0.0	0.0	483.6
05/11/15	03:00:00	49.1	1818.5	134.7	0.0	0.0	483.6
05/11/15	04:00:00	48.7	1818.4	134.3	0.0	0.0	483.6
05/11/15	05:00:00	48.8	1818.4	133.9	0.0	0.0	483.6
05/11/15	06:00:00	49.1	1818.3	133.6	0.0	0.0	483.6
05/11/15	07:00:00	48.7	1818.3	133.3	0.0	0.0	483.6
05/11/15	08:00:00	53.0	1818.3	133.1	0.0	0.0	483.6
05/11/15	09:00:00	60.1	1818.0	133.1	0.0	0.0	483.6
05/11/15	10:00:00	65.5	1818.0	133.0	0.0	0.0	483.6
05/11/15	11:00:00	74.5	1817.8	133.0	0.0	0.0	483.6
05/11/15	12:00:00	85.7	1817.8	133.2	0.0	0.0	483.6
05/11/15	13:00:00	93.4	1817.8	133.2	0.0	0.0	483.6
05/11/15	14:00:00	96.7	1817.9	133.2	0.0	0.0	483.6
05/11/15	15:00:00	97.9	1817.9	133.2	0.0	0.0	483.6
05/11/15	16:00:00	97.0	1817.8	133.2	0.0	0.0	483.6
05/11/15	17:00:00	92.4	1817.6	133.3	0.0	0.0	483.6
05/11/15	18:00:00	86.2	1817.6	133.3	0.0	0.0	483.6
05/11/15	19:00:00	80.7	1821.1	132.3	2.4	0.0	483.7
05/11/15	20:00:00	92.4	1834.5	121.7	8.9	0.0	484.1
05/11/15	21:00:00	89.5	1836.2	113.4	9.2	0.0	484.5
05/11/15	22:00:00	87.6	1837.6	105.9	9.3	0.0	484.9
05/11/15	23:00:00	85.6	1838.2	99.9	9.3	0.0	485.3
05/12/15	00:00:00	84.5	1839.4	94.7	9.6	0.0	485.7
05/12/15	01:00:00	84.6	1839.9	90.8	9.5	0.0	486.1
05/12/15	02:00:00	84.5	1840.4	88.0	9.5	0.0	486.5
05/12/15	03:00:00	84.3	1841.0	85.9	9.5	0.0	486.9
05/12/15	04:00:00	82.6	1841.6	83.5	9.6	0.0	487.2
05/12/15	05:00:00	82.1	1842.1	80.9	9.6	0.0	487.6
05/12/15	06:00:00	82.4	1842.4	79.2	9.5	0.0	488.0
05/12/15	07:00:00	83.5	1843.0	78.1	9.5	0.0	488.4
05/12/15	08:00:00	85.9	1843.4	78.4	9.5	0.0	488.8
05/12/15	09:00:00	87.6	1843.8	79.8	9.5	0.0	489.2
05/12/15	10:00:00	90.5	1844.6	82.1	9.5	0.0	489.6
05/12/15	11:00:00	94.0	1843.3	86.4	9.4	1.1	490.0
05/12/15	12:00:00	87.3	1827.2	89.8	1.1	1.2	490.0
05/12/15	13:00:00	87.6	1826.2	92.9	0.0	0.0	490.0
05/12/15	14:00:00	83.1	1819.0	98.9	0.0	4.9	489.8
05/12/15	15:00:00	89.0	1824.4	103.5	0.0	0.2	489.8
05/12/15	16:00:00	81.4	1805.3	111.3	0.0	9.6	489.4
05/12/15	17:00:00	84.3	1821.9	117.7	0.0	0.3	489.4
05/12/15	18:00:00	80.3	1737.9	132.8	0.0	19.0	488.6
05/12/15	19:00:00	77.8	1814.6	149.6	0.0	0.8	488.5
05/12/15	20:00:00	81.6	1643.6	178.2	0.0	28.7	487.3
05/12/15	21:00:00	75.5	1809.0	204.8	0.0	1.0	487.3
05/12/15	22:00:00	81.7	1829.6	171.2	7.1	0.0	487.6
05/12/15	23:00:00	86.7	1835.3	145.1	9.1	0.0	488.0
05/13/15	00:00:00	85.3	1838.1	127.7	9.6	0.0	488.4
05/13/15	01:00:00	84.8	1839.4	115.5	9.6	0.0	488.8
05/13/15	02:00:00	81.6	1840.5	104.5	9.6	0.0	489.2
05/13/15	03:00:00	83.6	1840.0	97.8	9.0	0.0	489.5
05/13/15	04:00:00	81.8	1832.8	97.1	6.0	0.0	489.8
05/13/15	05:00:00	79.6	1836.5	92.4	7.6	0.0	490.1
05/13/15	06:00:00	78.0	1836.7	88.1	7.6	0.0	490.4
05/13/15	07:00:00	76.5	1836.8	83.7	7.6	0.0	490.7
05/13/15	08:00:00	78.8	1837.1	79.9	7.6	0.0	491.0
05/13/15	09:00:00	88.4	1837.5	81.0	7.5	0.0	491.4
05/13/15	10:00:00	91.4	1838.0	84.0	7.5	0.0	491.7
05/13/15	11:00:00	92.6	1842.0	87.0	8.8	0.0	492.0
05/13/15	12:00:00	93.2	1837.2	90.3	5.4	0.1	492.3
05/13/15	13:00:00	82.7	1679.3	109.6	0.0	27.0	491.1
05/13/15	14:00:00	83.2	1646.9	168.1	0.0	27.8	490.0
05/13/15	15:00:00	85.2	1644.0	231.3	0.0	28.3	488.8

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
05/13/15	16:00:00	87.0	1644.2	279.6	0.0	28.2	487.6
05/13/15	17:00:00	88.4	1642.3	312.7	0.0	28.1	486.5
05/13/15	18:00:00	84.3	1809.0	300.6	0.0	0.2	486.4
05/13/15	19:00:00	82.9	1822.1	253.1	5.0	0.0	486.7
05/13/15	20:00:00	90.5	1832.1	211.1	9.4	0.0	487.0
05/13/15	21:00:00	89.1	1834.1	184.1	9.4	0.0	487.4
05/13/15	22:00:00	87.3	1835.7	163.0	9.5	0.0	487.8
05/13/15	23:00:00	86.1	1837.2	146.2	9.5	0.0	488.2
05/14/15	00:00:00	84.0	1838.4	133.4	9.5	0.0	488.6
05/14/15	01:00:00	82.1	1839.2	121.3	9.6	0.0	489.0
05/14/15	02:00:00	82.0	1839.7	113.4	9.5	0.0	489.4
05/14/15	03:00:00	80.6	1840.4	105.9	9.6	0.0	489.8
05/14/15	04:00:00	83.0	1840.8	100.5	9.5	0.0	490.2
05/14/15	05:00:00	82.5	1841.3	97.1	9.5	0.0	490.6
05/14/15	06:00:00	78.8	1841.7	91.5	9.6	0.0	491.0
05/14/15	07:00:00	80.6	1842.0	87.2	9.5	0.0	491.4
05/14/15	08:00:00	84.0	1842.4	85.7	9.4	0.0	491.8
05/14/15	09:00:00	89.0	1842.6	87.9	9.2	0.0	492.2
05/14/15	10:00:00	91.3	1843.4	90.9	9.3	0.0	492.6
05/14/15	11:00:00	94.7	1844.1	95.3	9.2	0.0	493.0
05/14/15	12:00:00	93.5	1836.4	100.3	5.3	0.5	493.2
05/14/15	13:00:00	83.9	1679.4	114.7	0.0	27.7	492.0
05/14/15	14:00:00	84.2	1554.5	166.6	0.0	39.1	490.4
05/14/15	15:00:00	86.8	1490.2	243.0	0.1	44.7	488.5
05/14/15	16:00:00	89.1	1484.6	314.3	0.1	44.6	486.7
05/14/15	17:00:00	90.8	1480.7	362.7	0.1	44.3	484.8
05/14/15	18:00:00	84.0	1795.9	357.1	0.0	1.1	484.8
05/14/15	19:00:00	81.0	1817.3	295.3	5.1	0.0	485.0
05/14/15	20:00:00	85.9	1827.2	238.7	9.3	0.0	485.4
05/14/15	21:00:00	87.5	1829.1	201.6	9.3	0.0	485.8
05/14/15	22:00:00	88.2	1831.0	180.2	9.4	0.0	486.2
05/14/15	23:00:00	87.0	1832.8	163.3	9.4	0.0	486.6
05/15/15	00:00:00	83.9	1834.3	146.9	9.5	0.0	487.0
05/15/15	01:00:00	83.0	1835.3	133.8	9.5	0.0	487.3
05/15/15	02:00:00	83.1	1836.1	124.2	9.5	0.0	487.7
05/15/15	03:00:00	83.3	1836.8	117.7	9.5	0.0	488.1
05/15/15	04:00:00	82.7	1837.4	111.0	9.5	0.0	488.5
05/15/15	05:00:00	82.3	1838.0	105.3	9.5	0.0	488.9
05/15/15	06:00:00	80.0	1838.6	100.2	9.6	0.0	489.3
05/15/15	07:00:00	79.7	1838.7	93.9	9.4	0.0	489.7
05/15/15	08:00:00	83.3	1839.3	91.6	9.4	0.0	490.1
05/15/15	09:00:00	88.0	1839.7	92.8	9.3	0.0	490.5
05/15/15	10:00:00	91.6	1840.5	95.5	9.2	0.0	490.9
05/15/15	11:00:00	95.1	1841.2	100.9	9.2	0.0	491.3
05/15/15	12:00:00	96.6	1833.7	106.3	4.8	0.1	491.5
05/15/15	13:00:00	83.8	1536.5	124.6	0.1	41.4	489.7
05/15/15	14:00:00	85.4	1500.5	195.1	0.1	44.1	487.9
05/15/15	15:00:00	88.0	1494.2	277.6	0.1	43.9	486.1
05/15/15	16:00:00	90.2	1478.3	345.5	0.1	44.4	484.2
05/15/15	17:00:00	91.7	1468.8	390.7	0.1	44.6	482.4
05/15/15	18:00:00	87.4	1792.0	382.2	0.0	1.0	482.3
05/15/15	19:00:00	73.1	1805.7	323.9	0.0	0.0	482.3
05/15/15	20:00:00	68.5	1806.6	289.3	0.0	0.0	482.3
05/15/15	21:00:00	61.2	1807.1	265.3	0.0	0.0	482.3
05/15/15	22:00:00	57.3	1807.7	247.5	0.0	0.0	482.3
05/15/15	23:00:00	54.9	1808.1	233.6	0.0	0.0	482.3
05/16/15	00:00:00	52.7	1808.4	222.5	0.0	0.0	482.3
05/16/15	01:00:00	51.3	1808.7	213.4	0.0	0.0	482.3
05/16/15	02:00:00	50.6	1809.1	205.8	0.0	0.0	482.3
05/16/15	03:00:00	50.3	1809.3	199.3	0.0	0.0	482.3
05/16/15	04:00:00	49.3	1809.5	193.7	0.0	0.0	482.3
05/16/15	05:00:00	49.1	1809.7	188.8	0.0	0.0	482.3
05/16/15	06:00:00	48.4	1809.9	184.5	0.0	0.0	482.3
05/16/15	07:00:00	48.0	1810.2	181.1	0.0	0.0	482.3
05/16/15	08:00:00	(3)	(3)	(3)	(3)	(3)	482.3
05/16/15	09:00:00	(3)	(3)	(3)	(3)	(3)	482.3
05/16/15	10:00:00	(3)	(3)	(3)	(3)	(3)	482.3

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/16/15	11:00:00	(3)	(3)	(3)	(3)	(3)	482.3
05/16/15	12:00:00	(3)	(3)	(3)	(3)	(3)	482.3
05/16/15	13:00:00	106.1	1810.9	165.5	4.3	4.3	482.3
05/16/15	14:00:00	104.0	1811.0	164.6	7.2	7.3	482.3
05/16/15	15:00:00	101.8	1811.2	163.1	0.0	0.0	482.3
05/16/15	16:00:00	102.3	1811.2	161.8	0.0	0.0	482.3
05/16/15	17:00:00	96.6	1811.1	160.6	0.0	0.0	482.3
05/16/15	18:00:00	88.5	1811.2	159.4	0.0	0.0	482.3
05/16/15	19:00:00	79.6	1811.4	158.2	0.0	0.0	482.3
05/16/15	20:00:00	71.7	1811.3	157.0	0.0	0.0	482.3
05/16/15	21:00:00	65.0	1811.4	155.7	0.0	0.0	482.3
05/16/15	22:00:00	60.4	1811.5	154.5	0.0	0.0	482.3
05/16/15	23:00:00	57.1	1811.6	153.3	0.0	0.0	482.3
05/17/15	00:00:00	55.1	1811.7	152.2	0.0	0.0	482.3
05/17/15	01:00:00	53.4	1811.7	151.1	0.0	0.0	482.3
05/17/15	02:00:00	52.1	1811.8	150.1	0.0	0.0	482.3
05/17/15	03:00:00	51.5	1811.9	149.1	0.0	0.0	482.3
05/17/15	04:00:00	51.0	1811.9	148.2	0.0	0.0	482.3
05/17/15	05:00:00	50.5	1811.9	147.4	0.0	0.0	482.3
05/17/15	06:00:00	49.8	1811.9	146.6	0.0	0.0	482.3
05/17/15	07:00:00	50.0	1812.0	145.9	0.0	0.0	482.3
05/17/15	08:00:00	54.8	1812.0	145.3	0.0	0.0	482.3
05/17/15	09:00:00	60.3	1812.0	144.7	0.0	0.0	482.3
05/17/15	10:00:00	65.4	1812.0	144.2	0.0	0.0	482.3
05/17/15	11:00:00	72.0	1812.0	143.8	0.0	0.0	482.3
05/17/15	12:00:00	78.4	1811.9	143.5	0.0	0.0	482.3
05/17/15	13:00:00	89.5	1811.8	143.1	0.0	0.0	482.3
05/17/15	14:00:00	92.5	1811.9	142.8	0.0	0.0	482.3
05/17/15	15:00:00	87.6	1812.0	142.6	0.0	0.0	482.3
05/17/15	16:00:00	90.9	1812.0	142.4	0.0	0.0	482.3
05/17/15	17:00:00	89.3	1811.8	142.1	0.0	0.0	482.3
05/17/15	18:00:00	81.5	1811.8	141.8	0.0	0.0	482.3
05/17/15	19:00:00	73.7	1811.8	141.4	0.0	0.0	482.3
05/17/15	20:00:00	67.1	1811.9	141.0	0.0	0.0	482.3
05/17/15	21:00:00	62.6	1811.9	140.4	0.0	0.0	482.3
05/17/15	22:00:00	59.5	1811.9	139.9	0.0	0.0	482.3
05/17/15	23:00:00	57.2	1812.0	139.3	0.0	0.0	482.3
05/18/15	00:00:00	55.3	1811.9	138.9	0.0	0.0	482.3
05/18/15	01:00:00	54.9	1812.0	138.4	0.0	0.0	482.3
05/18/15	02:00:00	55.0	1812.0	138.0	0.0	0.0	482.3
05/18/15	03:00:00	54.7	1811.9	137.6	0.0	0.0	482.3
05/18/15	04:00:00	54.3	1811.9	137.2	0.0	0.0	482.3
05/18/15	05:00:00	53.6	1811.9	136.8	0.0	0.0	482.3
05/18/15	06:00:00	52.4	1811.9	136.5	0.0	0.0	482.3
05/18/15	07:00:00	52.2	1812.0	136.2	0.0	0.0	482.3
05/18/15	08:00:00	56.2	1811.9	135.9	0.0	0.0	482.3
05/18/15	09:00:00	60.9	1811.8	135.7	0.0	0.0	482.3
05/18/15	10:00:00	72.0	1811.8	135.6	4.4	4.5	482.3
05/18/15	11:00:00	78.3	1811.7	135.5	3.0	3.1	482.3
05/18/15	12:00:00	82.5	1811.7	135.5	0.0	0.0	482.3
05/18/15	13:00:00	90.9	1811.6	135.5	0.0	0.0	482.3
05/18/15	14:00:00	94.9	1811.7	135.5	0.0	0.0	482.3
05/18/15	15:00:00	96.9	1811.8	135.4	0.0	0.0	482.3
05/18/15	16:00:00	96.3	1811.8	135.4	0.0	0.0	482.3
05/18/15	17:00:00	91.4	1811.6	135.3	0.0	0.0	482.3
05/18/15	18:00:00	84.5	1811.7	135.3	0.0	0.0	482.3
05/18/15	19:00:00	76.3	1811.7	135.1	0.0	0.0	482.3
05/18/15	20:00:00	68.6	1811.6	134.9	0.0	1.8	482.3
05/18/15	21:00:00	62.4	1811.5	134.5	0.0	1.2	482.2
05/18/15	22:00:00	57.9	1811.6	134.2	0.0	0.0	482.2
05/18/15	23:00:00	54.5	1811.7	133.8	0.0	0.0	482.2
05/19/15	00:00:00	52.2	1811.6	133.4	0.0	0.0	482.2
05/19/15	01:00:00	50.8	1811.7	133.0	0.0	0.0	482.2
05/19/15	02:00:00	49.5	1811.7	132.7	0.0	0.0	482.2
05/19/15	03:00:00	48.6	1811.6	132.4	0.0	0.0	482.2
05/19/15	04:00:00	48.2	1811.6	132.1	0.0	0.0	482.2
05/19/15	05:00:00	47.7	1811.6	131.8	0.0	0.0	482.2

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/19/15	06:00:00	47.4	1811.6	131.5	0.0	0.0	482.2
05/19/15	07:00:00	47.4	1811.7	131.3	0.0	0.0	482.2
05/19/15	08:00:00	52.0	1811.6	131.2	0.0	0.0	482.2
05/19/15	09:00:00	59.5	1811.4	131.1	0.0	0.0	482.2
05/19/15	10:00:00	69.4	1811.4	131.1	0.0	0.0	482.2
05/19/15	11:00:00	80.9	1811.3	131.1	0.0	0.0	482.2
05/19/15	12:00:00	90.7	1811.2	131.3	0.0	0.0	482.2
05/19/15	13:00:00	97.8	1811.2	131.4	0.0	0.0	482.2
05/19/15	14:00:00	102.2	1811.3	131.3	0.0	0.0	482.2
05/19/15	15:00:00	102.6	1811.4	131.4	0.0	0.0	482.2
05/19/15	16:00:00	101.0	1811.4	131.5	0.0	0.0	482.2
05/19/15	17:00:00	97.2	1811.2	131.6	0.0	0.0	482.2
05/19/15	18:00:00	90.5	1811.2	131.7	0.0	0.0	482.2
05/19/15	19:00:00	81.5	1811.3	131.7	0.0	0.0	482.2
05/19/15	20:00:00	71.8	1811.1	131.6	0.0	0.0	482.2
05/19/15	21:00:00	64.2	1811.1	131.3	0.0	0.0	482.2
05/19/15	22:00:00	59.9	1811.2	131.0	0.0	0.0	482.2
05/19/15	23:00:00	57.2	1811.2	130.7	0.0	0.0	482.2
05/20/15	00:00:00	55.3	1811.2	130.3	0.0	0.0	482.2
05/20/15	01:00:00	53.0	1811.2	130.0	0.0	0.0	482.2
05/20/15	02:00:00	51.3	1811.2	129.8	0.0	0.0	482.2
05/20/15	03:00:00	50.2	1811.2	129.5	0.0	0.0	482.2
05/20/15	04:00:00	49.6	1811.2	129.2	0.0	0.0	482.2
05/20/15	05:00:00	48.9	1811.2	129.0	0.0	0.0	482.2
05/20/15	06:00:00	48.4	1811.2	128.8	0.0	0.0	482.2
05/20/15	07:00:00	48.5	1811.2	128.6	0.0	0.0	482.2
05/20/15	08:00:00	52.8	1811.2	128.5	0.0	0.0	482.2
05/20/15	09:00:00	60.1	1810.9	128.5	0.0	0.0	482.2
05/20/15	10:00:00	69.6	1811.0	128.6	0.0	0.0	482.2
05/20/15	11:00:00	79.0	1810.9	128.6	0.0	0.0	482.2
05/20/15	12:00:00	90.4	1810.8	128.9	0.0	0.0	482.2
05/20/15	13:00:00	99.4	1810.8	128.9	0.0	0.0	482.2
05/20/15	14:00:00	102.7	1810.9	129.0	0.0	0.0	482.2
05/20/15	15:00:00	101.0	1811.0	129.1	0.0	0.0	482.2
05/20/15	16:00:00	95.6	1810.9	129.3	0.0	0.0	482.2
05/20/15	17:00:00	88.4	1810.8	129.4	0.0	0.0	482.2
05/20/15	18:00:00	83.0	1810.8	129.4	0.0	0.0	482.2
05/20/15	19:00:00	76.8	1810.9	129.4	0.0	0.0	482.2
05/20/15	20:00:00	69.7	1810.7	129.3	0.0	0.0	482.2
05/20/15	21:00:00	62.9	1810.7	129.0	0.0	0.0	482.2
05/20/15	22:00:00	58.7	1810.8	128.8	0.0	0.0	482.2
05/20/15	23:00:00	56.6	1810.8	128.4	0.0	0.0	482.2
05/21/15	00:00:00	55.5	1810.8	128.2	0.0	0.0	482.2
05/21/15	01:00:00	54.2	1810.8	127.9	0.0	0.0	482.2
05/21/15	02:00:00	53.1	1810.8	127.7	0.0	0.0	482.2
05/21/15	03:00:00	52.6	1810.7	127.6	0.0	0.0	482.2
05/21/15	04:00:00	51.3	1810.7	127.4	0.0	0.0	482.2
05/21/15	05:00:00	51.7	1810.8	127.3	0.0	0.0	482.2
05/21/15	06:00:00	53.0	1810.7	127.1	0.0	0.0	482.2
05/21/15	07:00:00	55.4	1810.7	127.0	0.0	0.0	482.2
05/21/15	08:00:00	65.8	1812.8	124.2	3.1	0.0	482.3
05/21/15	09:00:00	85.7	1813.3	108.8	6.8	0.0	482.6
05/21/15	10:00:00	87.7	1826.8	98.1	10.6	0.0	483.1
05/21/15	11:00:00	91.8	1828.5	93.0	10.9	0.0	483.5
05/21/15	12:00:00	91.6	1818.0	92.8	5.9	0.0	483.8
05/21/15	13:00:00	92.5	1803.6	97.7	0.0	0.0	483.8
05/21/15	14:00:00	98.2	1803.2	102.5	0.0	0.0	483.8
05/21/15	15:00:00	94.6	1802.9	106.3	0.0	0.0	483.8
05/21/15	16:00:00	91.3	1802.9	109.4	0.0	0.0	483.8
05/21/15	17:00:00	93.0	1802.6	111.8	0.0	0.0	483.8
05/21/15	18:00:00	86.3	1802.5	113.8	0.0	0.0	483.8
05/21/15	19:00:00	89.0	1822.7	109.9	8.8	0.0	484.1
05/21/15	20:00:00	93.5	1830.1	103.0	11.1	0.0	484.6
05/21/15	21:00:00	90.2	1831.3	98.3	11.2	0.0	485.1
05/21/15	22:00:00	87.8	1831.4	93.6	11.1	0.0	485.5
05/21/15	23:00:00	86.8	1829.5	90.2	10.5	0.3	485.9
05/22/15	00:00:00	82.8	1822.9	88.8	8.1	0.5	486.3

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/22/15	01:00:00	85.8	1832.2	85.9	11.0	0.0	486.7
05/22/15	02:00:00	85.2	1832.9	83.5	11.1	0.0	487.2
05/22/15	03:00:00	83.7	1833.4	81.2	11.0	0.0	487.6
05/22/15	04:00:00	81.7	1833.4	78.3	10.9	0.0	488.1
05/22/15	05:00:00	81.2	1833.7	75.1	10.9	0.0	488.5
05/22/15	06:00:00	80.7	1834.0	73.0	10.9	0.0	489.0
05/22/15	07:00:00	81.8	1834.4	71.3	10.8	0.0	489.5
05/22/15	08:00:00	83.5	1831.9	71.2	9.9	0.0	489.9
05/22/15	09:00:00	86.7	1835.6	72.5	10.8	0.0	490.3
05/22/15	10:00:00	88.7	1836.2	74.8	10.8	0.0	490.8
05/22/15	11:00:00	92.0	1836.8	78.7	10.7	0.0	491.2
05/22/15	12:00:00	94.1	1826.2	83.4	5.4	0.0	491.4
05/22/15	13:00:00	97.2	1813.4	86.5	0.0	0.0	491.4
05/22/15	14:00:00	100.4	1812.6	89.6	0.0	0.0	491.4
05/22/15	15:00:00	101.3	1812.1	92.4	0.0	0.0	491.4
05/22/15	16:00:00	96.9	1811.6	94.9	0.0	0.0	491.4
05/22/15	17:00:00	92.1	1811.1	97.1	0.0	0.0	491.4
05/22/15	18:00:00	87.2	1810.7	99.0	0.0	0.0	491.4
05/22/15	19:00:00	88.9	1827.9	97.8	8.3	0.0	491.8
05/22/15	20:00:00	92.8	1836.1	94.7	11.0	0.0	492.2
05/22/15	21:00:00	90.6	1837.2	93.1	11.0	0.0	492.7
05/22/15	22:00:00	88.6	1838.1	91.2	11.1	0.0	493.2
05/22/15	23:00:00	87.4	1838.6	89.3	11.1	0.0	493.6
05/23/15	00:00:00	85.1	1839.2	87.1	11.2	0.0	494.1
05/23/15	01:00:00	83.1	1839.2	83.6	11.1	0.0	494.6
05/23/15	02:00:00	82.1	1839.6	80.2	11.1	0.0	495.0
05/23/15	03:00:00	81.5	1839.9	77.5	11.1	0.0	495.5
05/23/15	04:00:00	80.6	1831.1	76.3	7.8	0.0	495.8
05/23/15	05:00:00	83.0	1840.0	75.2	11.0	0.0	496.3
05/23/15	06:00:00	80.4	1840.3	72.7	11.0	0.0	496.7
05/23/15	07:00:00	81.4	1840.8	70.9	11.0	0.0	497.2
05/23/15	08:00:00	82.6	1841.1	70.1	11.0	0.0	497.6
05/23/15	09:00:00	85.3	1841.5	70.9	10.9	0.0	498.1
05/23/15	10:00:00	88.3	1842.0	73.2	10.9	0.0	498.5
05/23/15	11:00:00	91.7	1842.6	77.5	10.8	0.0	499.0
05/23/15	12:00:00	94.6	1843.2	83.4	10.8	0.0	499.4
05/23/15	13:00:00	96.5	1844.3	90.3	10.9	0.0	499.9
05/23/15	14:00:00	99.5	1845.0	99.0	10.9	0.0	500.4
05/23/15	15:00:00	101.7	1845.7	109.6	10.8	0.0	500.8
05/23/15	16:00:00	102.9	1846.3	121.2	10.8	0.0	501.2
05/23/15	17:00:00	103.0	1846.9	132.5	10.7	0.0	501.7
05/23/15	18:00:00	102.8	1847.3	142.8	10.7	0.0	502.1
05/23/15	19:00:00	101.2	1848.2	151.0	10.8	0.0	502.6
05/23/15	20:00:00	97.8	1848.5	154.7	10.8	0.0	503.0
05/23/15	21:00:00	94.2	1848.9	152.9	10.9	0.0	503.5
05/23/15	22:00:00	91.8	1849.3	147.7	10.9	0.0	503.9
05/23/15	23:00:00	89.4	1849.4	141.9	10.9	0.0	504.4
05/24/15	00:00:00	86.8	1849.5	133.6	11.0	0.0	504.9
05/24/15	01:00:00	84.8	1849.5	125.0	11.0	0.0	505.3
05/24/15	02:00:00	83.5	1849.6	116.3	11.0	0.0	505.8
05/24/15	03:00:00	82.5	1849.6	108.9	11.0	0.0	506.2
05/24/15	04:00:00	80.6	1849.6	101.4	11.0	0.0	506.7
05/24/15	05:00:00	80.9	1849.7	94.9	11.0	0.0	507.1
05/24/15	06:00:00	81.9	1849.8	90.9	11.0	0.0	507.6
05/24/15	07:00:00	81.9	1850.0	87.6	11.0	0.0	508.1
05/24/15	08:00:00	86.7	1850.0	87.1	10.9	0.0	508.5
05/24/15	09:00:00	91.0	1850.8	90.9	11.0	0.0	509.0
05/24/15	10:00:00	95.0	1852.0	97.0	11.1	0.0	509.4
05/24/15	11:00:00	98.4	1852.6	106.0	11.1	0.0	509.9
05/24/15	12:00:00	102.2	1853.0	117.8	11.0	0.0	510.4
05/24/15	13:00:00	105.6	1853.7	133.7	11.0	0.0	510.8
05/24/15	14:00:00	108.4	1854.4	152.3	10.9	0.0	511.3
05/24/15	15:00:00	110.0	1855.4	173.3	10.9	0.0	511.7
05/24/15	16:00:00	110.9	1856.2	195.3	10.9	0.0	512.2
05/24/15	17:00:00	109.2	1856.9	213.6	11.0	0.0	512.6
05/24/15	18:00:00	107.5	1857.7	227.0	11.0	0.0	513.1
05/24/15	19:00:00	103.6	1858.1	233.7	11.0	0.0	513.6

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/24/15	20:00:00	97.6	1858.5	228.7	11.2	0.0	514.0
05/24/15	21:00:00	92.2	1858.5	213.9	11.2	0.0	514.5
05/24/15	22:00:00	88.1	1858.6	195.1	11.3	0.0	515.0
05/24/15	23:00:00	85.9	1858.4	176.6	11.3	0.0	515.4
05/25/15	00:00:00	84.9	1858.3	160.9	11.3	0.0	515.9
05/25/15	01:00:00	83.0	1858.2	146.4	11.4	0.0	516.4
05/25/15	02:00:00	82.0	1858.3	132.9	11.4	0.0	516.8
05/25/15	03:00:00	80.8	1858.3	121.5	11.4	0.0	517.3
05/25/15	04:00:00	81.3	1858.3	112.1	11.4	0.0	517.8
05/25/15	05:00:00	81.0	1858.3	104.9	11.4	0.0	518.3
05/25/15	06:00:00	80.8	1854.7	99.6	10.3	0.0	518.7
05/25/15	07:00:00	80.3	1857.9	94.2	11.3	0.0	519.2
05/25/15	08:00:00	84.0	1858.2	91.4	11.3	0.0	519.7
05/25/15	09:00:00	87.8	1857.3	93.2	10.9	0.0	520.1
05/25/15	10:00:00	90.8	1857.7	96.5	10.9	0.0	520.6
05/25/15	11:00:00	94.9	1859.3	103.2	11.2	0.0	521.0
05/25/15	12:00:00	98.5	1859.5	112.7	11.1	0.0	521.5
05/25/15	13:00:00	101.6	1858.3	124.9	10.6	0.0	521.9
05/25/15	14:00:00	103.5	1855.7	136.5	9.7	0.0	522.3
05/25/15	15:00:00	105.9	1861.1	152.6	11.0	0.0	522.8
05/25/15	16:00:00	106.5	1861.7	169.9	11.0	0.0	523.3
05/25/15	17:00:00	106.1	1862.3	185.9	11.0	0.0	523.7
05/25/15	18:00:00	103.3	1862.8	196.7	11.0	0.0	524.2
05/25/15	19:00:00	98.8	1863.6	199.4	11.1	0.0	524.6
05/25/15	20:00:00	94.1	1863.9	193.6	11.2	0.0	525.1
05/25/15	21:00:00	88.7	1858.2	181.1	9.1	0.0	525.5
05/25/15	22:00:00	81.6	1845.1	166.2	5.1	0.0	525.7
05/25/15	23:00:00	82.9	1848.6	152.2	7.1	0.0	526.0
05/26/15	00:00:00	82.0	1849.2	141.2	7.4	0.0	526.3
05/26/15	01:00:00	83.5	1856.1	131.1	9.7	0.0	526.7
05/26/15	02:00:00	83.6	1856.3	123.6	9.7	0.0	527.1
05/26/15	03:00:00	82.7	1856.3	116.6	9.7	0.0	527.5
05/26/15	04:00:00	82.3	1856.3	110.6	9.7	0.0	527.9
05/26/15	05:00:00	81.4	1862.0	103.9	11.3	0.0	528.4
05/26/15	06:00:00	81.9	1862.8	98.4	11.4	0.0	528.9
05/26/15	07:00:00	82.6	1862.9	94.3	11.3	0.0	529.3
05/26/15	08:00:00	86.5	1863.1	94.0	11.3	0.0	529.8
05/26/15	09:00:00	89.5	1863.7	96.6	11.4	0.0	530.3
05/26/15	10:00:00	92.0	1863.9	101.0	11.3	0.0	530.8
05/26/15	11:00:00	95.0	1864.2	107.5	11.2	0.0	531.2
05/26/15	12:00:00	96.8	1856.9	115.6	8.3	0.5	531.5
05/26/15	13:00:00	97.6	1838.0	116.2	0.0	0.0	531.5
05/26/15	14:00:00	101.5	1836.8	116.9	0.0	0.0	531.5
05/26/15	15:00:00	103.0	1836.1	117.9	0.0	0.0	531.5
05/26/15	16:00:00	101.1	1835.3	118.9	0.0	0.0	531.5
05/26/15	17:00:00	95.6	1834.5	119.8	0.0	0.0	531.5
05/26/15	18:00:00	88.0	1834.0	120.6	0.0	0.0	531.5
05/26/15	19:00:00	83.6	1833.5	121.1	5.5	5.6	531.5
05/26/15	20:00:00	93.2	1857.9	121.0	11.1	0.5	532.0
05/26/15	21:00:00	90.8	1861.5	117.3	11.5	0.0	532.5
05/26/15	22:00:00	87.8	1862.3	112.0	11.5	0.0	532.9
05/26/15	23:00:00	86.2	1862.9	107.0	11.6	0.0	533.4
05/27/15	00:00:00	84.9	1862.9	102.5	11.5	0.0	533.9
05/27/15	01:00:00	84.8	1863.0	98.9	11.4	0.0	534.4
05/27/15	02:00:00	83.9	1862.2	95.8	11.2	0.0	534.8
05/27/15	03:00:00	83.1	1863.1	92.7	11.3	0.0	535.3
05/27/15	04:00:00	81.8	1863.1	88.9	11.3	0.0	535.8
05/27/15	05:00:00	82.4	1863.5	85.9	11.3	0.0	536.3
05/27/15	06:00:00	82.0	1859.7	84.0	10.2	0.0	536.7
05/27/15	07:00:00	83.8	1864.9	82.6	11.6	0.0	537.2
05/27/15	08:00:00	86.5	1865.4	83.2	11.6	0.0	537.7
05/27/15	09:00:00	88.5	1862.7	85.7	10.7	0.0	538.1
05/27/15	10:00:00	91.5	1866.6	89.6	11.6	0.0	538.6
05/27/15	11:00:00	94.7	1867.4	96.0	11.6	0.0	539.1
05/27/15	12:00:00	97.7	1863.7	104.2	9.6	0.0	539.5
05/27/15	13:00:00	100.3	1839.9	105.2	0.0	0.0	539.5
05/27/15	14:00:00	102.8	1838.9	105.9	0.0	0.0	539.5

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/27/15	15:00:00	104.8	1838.2	107.1	0.0	0.0	539.5
05/27/15	16:00:00	103.2	1837.4	108.4	0.0	0.0	539.5
05/27/15	17:00:00	97.6	1836.8	109.5	0.0	0.0	539.5
05/27/15	18:00:00	90.6	1836.2	110.5	0.0	0.0	539.5
05/27/15	19:00:00	94.3	1857.0	111.6	9.2	0.0	539.8
05/27/15	20:00:00	98.2	1864.8	116.5	11.5	0.0	540.3
05/27/15	21:00:00	93.7	1866.0	118.3	11.6	0.0	540.8
05/27/15	22:00:00	89.8	1866.8	115.8	11.6	0.0	541.3
05/27/15	23:00:00	87.5	1867.5	111.5	11.7	0.0	541.8
05/28/15	00:00:00	85.6	1867.1	107.0	11.5	0.0	542.3
05/28/15	01:00:00	84.7	1867.9	102.6	11.7	0.0	542.7
05/28/15	02:00:00	82.7	1868.3	97.4	11.7	0.0	543.2
05/28/15	03:00:00	82.1	1868.5	92.8	11.7	0.0	543.7
05/28/15	04:00:00	80.3	1868.5	87.6	11.7	0.0	544.2
05/28/15	05:00:00	79.6	1868.7	82.9	11.8	0.0	544.7
05/28/15	06:00:00	79.3	1868.8	78.9	11.8	0.0	545.2
05/28/15	07:00:00	81.0	1869.0	76.4	11.7	0.0	545.7
05/28/15	08:00:00	84.6	1869.4	76.7	11.7	0.0	546.2
05/28/15	09:00:00	88.3	1869.9	79.5	11.7	0.0	546.7
05/28/15	10:00:00	93.3	1870.6	85.4	11.6	0.0	547.1
05/28/15	11:00:00	97.6	1871.2	94.5	11.5	0.0	547.6
05/28/15	12:00:00	99.8	1863.3	104.6	7.7	0.0	547.9
05/28/15	13:00:00	101.1	1843.6	104.6	0.0	0.0	547.9
05/28/15	14:00:00	100.9	1842.3	104.8	0.0	0.0	547.9
05/28/15	15:00:00	100.0	1841.5	105.7	0.0	0.0	547.9
05/28/15	16:00:00	102.3	1841.0	106.7	0.0	0.0	547.9
05/28/15	17:00:00	104.4	1840.3	107.7	0.0	0.0	547.9
05/28/15	18:00:00	100.0	1839.7	108.6	0.0	0.0	547.9
05/28/15	19:00:00	102.0	1860.5	113.4	9.1	0.0	548.3
05/28/15	20:00:00	105.2	1868.5	127.5	11.3	0.0	548.8
05/28/15	21:00:00	99.7	1870.1	135.3	11.5	0.0	549.3
05/28/15	22:00:00	94.6	1871.0	135.6	11.5	0.0	549.8
05/28/15	23:00:00	91.6	1871.8	132.5	11.6	0.0	550.2
05/29/15	00:00:00	88.8	1872.4	127.7	11.7	0.0	550.7
05/29/15	01:00:00	85.9	1872.5	121.6	11.7	0.0	551.2
05/29/15	02:00:00	83.3	1872.5	113.3	11.7	0.0	551.7
05/29/15	03:00:00	81.9	1872.5	105.3	11.7	0.0	552.2
05/29/15	04:00:00	80.5	1872.6	98.1	11.7	0.0	552.7
05/29/15	05:00:00	79.2	1872.8	91.2	11.7	0.0	553.2
05/29/15	06:00:00	79.8	1872.8	85.8	11.7	0.0	553.6
05/29/15	07:00:00	79.9	1873.0	81.8	11.7	0.0	554.1
05/29/15	08:00:00	84.7	1873.3	80.9	11.7	0.0	554.6
05/29/15	09:00:00	90.3	1873.6	85.0	11.6	0.0	555.1
05/29/15	10:00:00	94.3	1874.4	91.8	11.6	0.0	555.6
05/29/15	11:00:00	98.5	1874.5	101.5	11.3	0.0	556.1
05/29/15	12:00:00	102.9	1866.7	113.6	7.6	0.0	556.4
05/29/15	13:00:00	106.8	1847.2	112.9	0.0	0.0	556.4
05/29/15	14:00:00	111.2	1845.9	112.0	0.0	0.0	556.4
05/29/15	15:00:00	112.4	1845.2	112.2	0.0	0.0	556.4
05/29/15	16:00:00	111.3	1844.3	112.7	0.0	0.0	556.4
05/29/15	17:00:00	106.6	1843.7	113.3	0.0	0.0	556.4
05/29/15	18:00:00	102.6	1843.2	113.8	0.0	0.0	556.4
05/29/15	19:00:00	104.0	1862.6	119.1	8.5	0.0	556.7
05/29/15	20:00:00	106.8	1872.2	136.1	11.3	0.0	557.2
05/29/15	21:00:00	100.9	1873.8	145.1	11.5	0.0	557.7
05/29/15	22:00:00	97.8	1874.9	148.5	11.5	0.0	558.2
05/29/15	23:00:00	93.1	1874.6	146.5	11.4	0.0	558.6
05/30/15	00:00:00	89.7	1876.3	140.6	11.7	0.0	559.1
05/30/15	01:00:00	87.4	1874.8	133.0	11.3	0.0	559.6
05/30/15	02:00:00	85.8	1873.7	126.1	11.0	0.0	560.1
05/30/15	03:00:00	70.4	1848.4	122.5	0.1	0.0	560.1
05/30/15	04:00:00	57.5	1846.5	123.3	0.0	0.0	560.1
05/30/15	05:00:00	53.0 (4)	1845.8 (4)	123.5 (4)	0.0 (4)	0.0 (4)	560.1
05/30/15	06:00:00	50.8 (4)	1845.3 (4)	123.5 (4)	0.0 (4)	0.0 (4)	560.1
05/30/15	07:00:00	52.6	1844.5	123.1	0.0	0.0	560.1
05/30/15	08:00:00	57.1	1844.0	123.1	0.0	0.0	560.1
05/30/15	09:00:00	61.1	1843.4	123.1	0.0	0.0	560.1

Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/30/15	10:00:00	74.3	1843.0	123.0	0.0	0.0	560.1
05/30/15	11:00:00	87.1	1842.5	123.1	0.0	0.0	560.1
05/30/15	12:00:00	82.2	1834.0	127.9	0.0	5.1	559.8
05/30/15	13:00:00	92.8	1840.8	130.0	0.0	0.0	559.8
05/30/15	14:00:00	82.4	1817.5	135.6	0.0	9.9	559.4
05/30/15	15:00:00	95.0	1839.1	139.4	0.0	0.1	559.4
05/30/15	16:00:00	82.5	1753.7	149.0	0.0	19.8	558.6
05/30/15	17:00:00	93.7	1834.4	159.1	0.0	0.3	558.6
05/30/15	18:00:00	83.0	1656.7	172.2	0.0	29.9	557.3
05/30/15	19:00:00	88.2	1830.3	188.0	0.0	0.4	557.3
05/30/15	20:00:00	82.7	1737.6	185.7	0.0	15.9	556.7
05/30/15	21:00:00	84.6	1580.4	207.6	0.0	35.7	555.2
05/30/15	22:00:00	86.0	1635.0	228.4	0.1	30.6	553.9
05/30/15	23:00:00	86.9	1634.8	239.8	0.1	30.3	552.6
05/31/15	00:00:00	87.5	1631.9	249.4	0.1	30.4	551.4
05/31/15	01:00:00	88.0	1626.0	259.5	0.1	30.7	550.1
05/31/15	02:00:00	88.4	1624.7	270.4	0.1	30.4	548.8
05/31/15	03:00:00	88.8	1623.4	281.9	0.0	30.2	547.6
05/31/15	04:00:00	89.2	1621.5	293.4	0.0	30.0	546.3
05/31/15	05:00:00	89.5	1618.9	304.8	0.1	29.9	545.1
05/31/15	06:00:00	89.9	1605.2	316.4	0.1	31.0	543.8
05/31/15	07:00:00	90.2	1603.9	328.0	0.1	30.6	542.5
05/31/15	08:00:00	90.6	1601.9	339.3	0.1	30.4	541.3
05/31/15	09:00:00	91.0	1599.6	350.7	0.2	30.3	540.0
05/31/15	10:00:00	91.4	1597.0	361.9	0.2	30.2	538.8
05/31/15	11:00:00	91.7	1595.1	372.8	0.1	30.1	537.5
05/31/15	12:00:00	92.1	1592.9	383.4	0.1	30.1	536.3
05/31/15	13:00:00	92.3	1592.1	393.4	0.1	29.9	535.0
05/31/15	14:00:00	92.5	1591.0	402.6	0.1	29.9	533.8
05/31/15	15:00:00	92.8	1589.8	411.4	0.1	29.8	532.6
05/31/15	16:00:00	93.0	1588.7	419.7	0.1	29.8	531.3
05/31/15	17:00:00	93.2	1587.5	427.8	0.1	29.9	530.1
05/31/15	18:00:00	93.4	1586.4	435.5	0.2	29.9	528.9
05/31/15	19:00:00	93.5	1584.9	442.7	0.2	29.9	527.6
05/31/15	20:00:00	93.6	1583.8	449.8	0.2	29.9	526.4
05/31/15	21:00:00	93.6	1582.8	456.6	0.1	30.0	525.1
05/31/15	22:00:00	93.7	1585.2	463.2	0.1	29.6	523.9
05/31/15	23:00:00	93.8	1592.6	468.2	0.1	28.8	522.7
06/01/15	00:00:00	94.0	1577.9	475.4	0.1	30.1	521.5

Monthly Statistics						
February Average:	71.4	1638.8	38.8	2.7	0.0	February Monthly Total
February Minimum:	42.4	1615.3	20.2	0.0	0.0	38.6
February Maximum:	111.3	1672.5	85.7	6.4	5.0	
March Average:	83.6	1720.5	59.4	6.6	0.0	March Monthly Total
March Minimum:	49.5	1656.1	25.4	0.0	0.0	204.5
March Maximum:	117.6	1783.5	151.9	10.7	6.2	
April Average:	85.9	1810.4	98.2	7.9	0.0	April Monthly Total
April Minimum:	42.8	1739.6	39.0	0.0	0.0	236.2
April Maximum:	117.7	1864.8	293.3	12.2	9.8	
May Average:	82.2	1814.2	149.4	4.5	3.1	May Monthly Total
May Minimum:	43.4	1465.5	69.7	0.0	0.0	42.1
May Maximum:	134.9	1876.9	479.1	12.6	45.4	

Notes:
1) Data are missing on 3/08/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
2) Data are missing on 4/03/15 at 08:00:00 hours because the DAS data recording system was down. No data was being recorded during this period.
3) Data are missing on 5/16/15 from 08:00:00 hours to 12:00:00 hours due to an accidental shutdown of the data acquisition program.
4) Data are missing on 5/30/15 from 05:38 hours to 06:48 hours due to site power being out. Data indicated for 05:00:00 hours and 06:00:00 are only partial due to the timing of the power outage.

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/08/15	01:00:00	0.0	0.0
02/08/15	02:00:00	0.0	0.0
02/08/15	03:00:00	0.0	0.0
02/08/15	04:00:00	0.0	0.0
02/08/15	05:00:00	0.0	0.0
02/08/15	06:00:00	0.0	0.0
02/08/15	07:00:00	0.0	0.0
02/08/15	08:00:00	0.0	0.0
02/08/15	09:00:00	0.0	0.0
02/08/15	10:00:00	0.0	0.0
02/08/15	11:00:00	0.0	0.0
02/08/15	12:00:00	0.0	0.0
02/08/15	13:00:00	0.0	0.0
02/08/15	14:00:00	0.0	0.0
02/08/15	15:00:00	0.0	0.0
02/08/15	16:00:00	0.0	0.0
02/08/15	17:00:00	0.0	0.0
02/08/15	18:00:00	0.0	0.0
02/08/15	19:00:00	0.0	0.0
02/08/15	20:00:00	0.0	0.0
02/08/15	21:00:00	0.0	0.0
02/08/15	22:00:00	0.0	0.0
02/08/15	23:00:00	0.0	0.0
02/09/15	00:00:00	0.0	0.0
02/09/15	01:00:00	0.0	0.0
02/09/15	02:00:00	0.0	0.0
02/09/15	03:00:00	0.0	0.0
02/09/15	04:00:00	0.0	0.0
02/09/15	05:00:00	0.0	0.0
02/09/15	06:00:00	0.0	0.0
02/09/15	07:00:00	0.0	0.0
02/09/15	08:00:00	0.0	0.0
02/09/15	09:00:00	0.0	0.0
02/09/15	10:00:00	0.0	0.0
02/09/15	11:00:00	0.0	0.0
02/09/15	12:00:00	0.0	0.0
02/09/15	13:00:00	0.0	0.0
02/09/15	14:00:00	0.0	0.0
02/09/15	15:00:00	0.0	0.0
02/09/15	16:00:00	0.0	0.0
02/09/15	17:00:00	0.0	0.0
02/09/15	18:00:00	0.0	0.0
02/09/15	19:00:00	0.0	0.0
02/09/15	20:00:00	0.0	0.0
02/09/15	21:00:00	0.0	0.0
02/09/15	22:00:00	0.0	0.0
02/09/15	23:00:00	0.0	0.0
02/10/15	00:00:00	0.0	0.0
02/10/15	01:00:00	0.0	0.0
02/10/15	02:00:00	0.0	0.0
02/10/15	03:00:00	0.0	0.0
02/10/15	04:00:00	0.0	0.0
02/10/15	05:00:00	0.0	0.0
02/10/15	06:00:00	0.0	0.0
02/10/15	07:00:00	0.0	0.0
02/10/15	08:00:00	0.0	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/10/15	09:00:00	0.0	0.0
02/10/15	10:00:00	0.0	0.0
02/10/15	11:00:00	0.0	0.0
02/10/15	12:00:00	0.0	0.0
02/10/15	13:00:00	0.0	0.0
02/10/15	14:00:00	0.0	0.0
02/10/15	15:00:00	0.0	0.0
02/10/15	16:00:00	0.0	0.0
02/10/15	17:00:00	0.0	0.0
02/10/15	18:00:00	0.0	0.0
02/10/15	19:00:00	0.0	0.0
02/10/15	20:00:00	0.0	0.0
02/10/15	21:00:00	0.0	0.0
02/10/15	22:00:00	0.0	0.0
02/10/15	23:00:00	0.0	0.0
02/11/15	00:00:00	0.0	0.0
02/11/15	01:00:00	0.0	0.0
02/11/15	02:00:00	0.0	0.0
02/11/15	03:00:00	0.0	0.0
02/11/15	04:00:00	0.0	0.0
02/11/15	05:00:00	0.0	0.0
02/11/15	06:00:00	0.0	0.0
02/11/15	07:00:00	0.0	0.0
02/11/15	08:00:00	0.0	0.0
02/11/15	09:00:00	0.0	0.0
02/11/15	10:00:00	0.0	0.0
02/11/15	11:00:00	0.0	0.0
02/11/15	12:00:00	0.0	0.0
02/11/15	13:00:00	0.0	0.0
02/11/15	14:00:00	0.0	0.0
02/11/15	15:00:00	0.0	0.0
02/11/15	16:00:00	0.7	0.0
02/11/15	17:00:00	1.8	0.0
02/11/15	18:00:00	2.4	0.0
02/11/15	19:00:00	2.9	0.0
02/11/15	20:00:00	3.4	0.0
02/11/15	21:00:00	4.0	0.0
02/11/15	22:00:00	4.5	0.0
02/11/15	23:00:00	5.0	0.0
02/12/15	00:00:00	5.5	0.0
02/12/15	01:00:00	6.1	0.0
02/12/15	02:00:00	6.6	0.0
02/12/15	03:00:00	7.2	0.0
02/12/15	04:00:00	7.7	0.0
02/12/15	05:00:00	8.3	0.0
02/12/15	06:00:00	8.9	0.0
02/12/15	07:00:00	9.5	0.0
02/12/15	08:00:00	10.3	0.0
02/12/15	09:00:00	11.2	0.0
02/12/15	10:00:00	12.2	0.0
02/12/15	11:00:00	13.6	0.0
02/12/15	12:00:00	14.7	0.0
02/12/15	13:00:00	15.9	0.0
02/12/15	14:00:00	17.1	0.0
02/12/15	15:00:00	18.2	0.0
02/12/15	16:00:00	19.1	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/12/15	17:00:00	20.1	0.0
02/12/15	18:00:00	20.5	0.0
02/12/15	19:00:00	21.1	0.0
02/12/15	20:00:00	21.6	0.0
02/12/15	21:00:00	22.2	0.0
02/12/15	22:00:00	22.8	0.0
02/12/15	23:00:00	23.3	0.0
02/13/15	00:00:00	23.9	0.0
02/13/15	01:00:00	24.5	0.0
02/13/15	02:00:00	25.0	0.0
02/13/15	03:00:00	25.6	0.0
02/13/15	04:00:00	26.2	0.0
02/13/15	05:00:00	26.8	0.0
02/13/15	06:00:00	27.4	0.0
02/13/15	07:00:00	28.1	0.0
02/13/15	08:00:00	28.8	0.0
02/13/15	09:00:00	29.9	0.0
02/13/15	10:00:00	31.2	0.0
02/13/15	11:00:00	32.8	0.0
02/13/15	12:00:00	34.2	0.0
02/13/15	13:00:00	35.6	0.0
02/13/15	14:00:00	533.3	0.0
02/13/15	15:00:00	1684.1	0.0
02/13/15	16:00:00	1683.9	0.0
02/13/15	17:00:00	1664.3	1.1
02/13/15	18:00:00	1638.4	0.0
02/13/15	19:00:00	1637.7	0.0
02/13/15	20:00:00	1637.5	0.0
02/13/15	21:00:00	1637.4	0.0
02/13/15	22:00:00	1637.3	0.0
02/13/15	23:00:00	1637.2	0.0
02/14/15	00:00:00	1637.2	0.0
02/14/15	01:00:00	1637.2	0.0
02/14/15	02:00:00	1637.2	0.0
02/14/15	03:00:00	1637.2	0.0
02/14/15	04:00:00	1637.2	0.0
02/14/15	05:00:00	1637.2	0.0
02/14/15	06:00:00	1637.2	0.0
02/14/15	07:00:00	1637.2	0.0
02/14/15	08:00:00	1637.3	0.0
02/14/15	09:00:00	1637.4	0.0
02/14/15	10:00:00	1637.3	0.0
02/14/15	11:00:00	1637.4	0.0
02/14/15	12:00:00	1637.0	0.0
02/14/15	13:00:00	1637.2	0.0
02/14/15	14:00:00	1636.6	1.1
02/14/15	15:00:00	1630.8	2.3
02/14/15	16:00:00	1632.2	2.3
02/14/15	17:00:00	1631.9	1.9
02/14/15	18:00:00	1625.4	1.1
02/14/15	19:00:00	1626.4	1.3
02/14/15	20:00:00	1628.9	1.9
02/14/15	21:00:00	1629.3	1.8
02/14/15	22:00:00	1629.5	1.9
02/14/15	23:00:00	1629.8	1.9
02/15/15	00:00:00	1628.2	1.5

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/15/15	01:00:00	1629.3	1.9
02/15/15	02:00:00	1626.5	1.1
02/15/15	03:00:00	1627.3	1.7
02/15/15	04:00:00	1629.8	2.1
02/15/15	05:00:00	1630.0	2.1
02/15/15	06:00:00	1630.2	2.1
02/15/15	07:00:00	1630.5	2.1
02/15/15	08:00:00	1630.6	2.0
02/15/15	09:00:00	1630.1	1.9
02/15/15	10:00:00	1629.7	1.8
02/15/15	11:00:00	1629.0	1.6
02/15/15	12:00:00	1629.5	1.8
02/15/15	13:00:00	1629.6	1.8
02/15/15	14:00:00	1628.0	1.2
02/15/15	15:00:00	1627.5	1.5
02/15/15	16:00:00	1628.7	1.6
02/15/15	17:00:00	1629.1	1.7
02/15/15	18:00:00	1629.2	1.8
02/15/15	19:00:00	1629.3	1.8
02/15/15	20:00:00	1629.5	1.9
02/15/15	21:00:00	1629.8	1.9
02/15/15	22:00:00	1629.9	1.9
02/15/15	23:00:00	1630.0	1.9
02/16/15	00:00:00	1630.1	1.9
02/16/15	01:00:00	1630.1	1.9
02/16/15	02:00:00	1630.7	2.1
02/16/15	03:00:00	1631.0	2.1
02/16/15	04:00:00	1631.0	2.1
02/16/15	05:00:00	1631.0	2.1
02/16/15	06:00:00	1630.5	1.9
02/16/15	07:00:00	1630.8	2.0
02/16/15	08:00:00	1631.0	2.0
02/16/15	09:00:00	1630.6	1.9
02/16/15	10:00:00	1630.6	1.9
02/16/15	11:00:00	1630.5	1.8
02/16/15	12:00:00	1630.3	1.7
02/16/15	13:00:00	1630.4	1.6
02/16/15	14:00:00	1630.3	1.6
02/16/15	15:00:00	1630.2	1.6
02/16/15	16:00:00	1629.9	1.6
02/16/15	17:00:00	1630.3	1.7
02/16/15	18:00:00	1629.9	1.7
02/16/15	19:00:00	1630.1	1.8
02/16/15	20:00:00	1630.3	1.9
02/16/15	21:00:00	1630.6	1.9
02/16/15	22:00:00	1630.8	2.0
02/16/15	23:00:00	1631.2	2.0
02/17/15	00:00:00	1631.0	1.9
02/17/15	01:00:00	1630.8	1.9
02/17/15	02:00:00	1630.9	2.0
02/17/15	03:00:00	1631.1	2.0
02/17/15	04:00:00	1631.4	2.2
02/17/15	05:00:00	1631.7	2.2
02/17/15	06:00:00	1631.8	2.1
02/17/15	07:00:00	1625.5	0.0
02/17/15	08:00:00	1623.2	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/17/15	09:00:00	1621.8	0.0
02/17/15	10:00:00	1620.8	0.0
02/17/15	11:00:00	1620.0	0.0
02/17/15	12:00:00	1619.5	0.0
02/17/15	13:00:00	1618.9	0.0
02/17/15	14:00:00	1618.6	0.0
02/17/15	15:00:00	1618.3	0.0
02/17/15	16:00:00	1617.8	0.0
02/17/15	17:00:00	1617.8	0.0
02/17/15	18:00:00	1617.4	0.0
02/17/15	19:00:00	1617.3	0.0
02/17/15	20:00:00	1617.2	0.0
02/17/15	21:00:00	1617.1	0.0
02/17/15	22:00:00	1617.0	0.0
02/17/15	23:00:00	1616.8	0.0
02/18/15	00:00:00	1616.7	0.0
02/18/15	01:00:00	1616.6	0.0
02/18/15	02:00:00	1616.6	0.0
02/18/15	03:00:00	1616.5	0.0
02/18/15	04:00:00	1616.4	0.0
02/18/15	05:00:00	1616.4	0.0
02/18/15	06:00:00	1616.3	0.0
02/18/15	07:00:00	1616.2	0.0
02/18/15	08:00:00	1616.4	0.0
02/18/15	09:00:00	1616.3	0.0
02/18/15	10:00:00	1616.1	0.0
02/18/15	11:00:00	1616.0	0.0
02/18/15	12:00:00	1616.0	0.0
02/18/15	13:00:00	1616.0	0.0
02/18/15	14:00:00	1616.0	0.0
02/18/15	15:00:00	1616.2	0.0
02/18/15	16:00:00	1615.7	0.0
02/18/15	17:00:00	1615.9	0.0
02/18/15	18:00:00	1615.6	0.0
02/18/15	19:00:00	1615.6	0.1
02/18/15	20:00:00	1615.6	0.1
02/18/15	21:00:00	1615.7	0.0
02/18/15	22:00:00	1615.7	0.0
02/18/15	23:00:00	1621.0	1.4
02/19/15	00:00:00	1624.7	1.8
02/19/15	01:00:00	1624.9	1.4
02/19/15	02:00:00	1619.6	0.0
02/19/15	03:00:00	1618.6	0.0
02/19/15	04:00:00	1618.8	0.3
02/19/15	05:00:00	1625.0	1.8
02/19/15	06:00:00	1626.6	1.8
02/19/15	07:00:00	1627.6	1.8
02/19/15	08:00:00	1628.3	1.8
02/19/15	09:00:00	1628.7	1.8
02/19/15	10:00:00	1629.1	1.8
02/19/15	11:00:00	1629.5	1.8
02/19/15	12:00:00	1629.8	1.8
02/19/15	13:00:00	1630.0	1.8
02/19/15	14:00:00	1630.2	1.8
02/19/15	15:00:00	1630.4	1.8
02/19/15	16:00:00	1630.6	1.9

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/19/15	17:00:00	1630.7	1.9
02/19/15	18:00:00	1630.8	1.9
02/19/15	19:00:00	1630.9	1.9
02/19/15	20:00:00	1631.0	1.9
02/19/15	21:00:00	1631.1	1.9
02/19/15	22:00:00	1631.1	1.9
02/19/15	23:00:00	1631.2	1.9
02/20/15	00:00:00	1631.3	1.9
02/20/15	01:00:00	1631.4	1.9
02/20/15	02:00:00	1631.4	1.9
02/20/15	03:00:00	1631.4	1.9
02/20/15	04:00:00	1631.4	1.9
02/20/15	05:00:00	1631.5	1.9
02/20/15	06:00:00	1631.5	1.9
02/20/15	07:00:00	1631.5	1.9
02/20/15	08:00:00	1631.7	1.9
02/20/15	09:00:00	1631.7	1.9
02/20/15	10:00:00	1631.7	1.9
02/20/15	11:00:00	1626.8	0.1
02/20/15	12:00:00	1624.2	0.0
02/20/15	13:00:00	1622.8	0.0
02/20/15	14:00:00	1622.1	0.0
02/20/15	15:00:00	1621.5	0.0
02/20/15	16:00:00	1623.8	1.1
02/20/15	17:00:00	1628.6	2.0
02/20/15	18:00:00	1627.6	1.3
02/20/15	19:00:00	1622.9	0.0
02/20/15	20:00:00	1627.1	1.7
02/20/15	21:00:00	1629.6	2.0
02/20/15	22:00:00	1630.3	2.1
02/20/15	23:00:00	1630.9	2.1
02/21/15	00:00:00	1631.4	2.1
02/21/15	01:00:00	1631.8	2.1
02/21/15	02:00:00	1632.0	2.0
02/21/15	03:00:00	1632.3	2.1
02/21/15	04:00:00	1632.4	2.1
02/21/15	05:00:00	1632.5	2.1
02/21/15	06:00:00	1632.6	2.1
02/21/15	07:00:00	1632.7	2.1
02/21/15	08:00:00	1632.8	2.1
02/21/15	09:00:00	1632.9	2.1
02/21/15	10:00:00	1633.0	2.1
02/21/15	11:00:00	1633.1	2.1
02/21/15	12:00:00	1633.2	2.1
02/21/15	13:00:00	1633.3	2.0
02/21/15	14:00:00	1633.1	2.0
02/21/15	15:00:00	1632.7	1.8
02/21/15	16:00:00	1632.5	1.8
02/21/15	17:00:00	1632.8	1.9
02/21/15	18:00:00	1632.6	1.9
02/21/15	19:00:00	1632.5	1.9
02/21/15	20:00:00	1632.7	1.9
02/21/15	21:00:00	1632.7	2.0
02/21/15	22:00:00	1632.7	2.0
02/21/15	23:00:00	1632.7	2.0
02/22/15	00:00:00	1632.8	2.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/22/15	01:00:00	1632.9	2.0
02/22/15	02:00:00	1633.0	1.9
02/22/15	03:00:00	1633.0	1.9
02/22/15	04:00:00	1633.0	1.9
02/22/15	05:00:00	1632.9	2.0
02/22/15	06:00:00	1632.9	2.0
02/22/15	07:00:00	1632.9	2.0
02/22/15	08:00:00	1633.0	2.0
02/22/15	09:00:00	1633.0	2.0
02/22/15	10:00:00	1633.4	2.0
02/22/15	11:00:00	1633.4	1.9
02/22/15	12:00:00	1633.4	1.8
02/22/15	13:00:00	1633.7	1.9
02/22/15	14:00:00	1633.9	1.9
02/22/15	15:00:00	1634.0	1.9
02/22/15	16:00:00	1633.9	1.9
02/22/15	17:00:00	1634.2	2.0
02/22/15	18:00:00	1634.0	2.0
02/22/15	19:00:00	1634.1	2.0
02/22/15	20:00:00	1634.2	2.1
02/22/15	21:00:00	1634.3	2.1
02/22/15	22:00:00	1634.4	2.2
02/22/15	23:00:00	1634.4	2.2
02/23/15	00:00:00	1634.5	2.1
02/23/15	01:00:00	1634.5	2.1
02/23/15	02:00:00	1634.6	2.2
02/23/15	03:00:00	1634.6	2.2
02/23/15	04:00:00	1634.6	2.2
02/23/15	05:00:00	1634.6	2.2
02/23/15	06:00:00	1634.7	2.1
02/23/15	07:00:00	1634.7	2.1
02/23/15	08:00:00	1634.8	2.1
02/23/15	09:00:00	1634.9	2.1
02/23/15	10:00:00	1634.9	2.0
02/23/15	11:00:00	1634.9	2.0
02/23/15	12:00:00	1634.9	1.9
02/23/15	13:00:00	1635.1	1.9
02/23/15	14:00:00	1635.1	1.9
02/23/15	15:00:00	1637.3	2.7
02/23/15	16:00:00	1640.2	3.5
02/23/15	17:00:00	1641.8	3.6
02/23/15	18:00:00	1642.4	3.7
02/23/15	19:00:00	1642.8	3.6
02/23/15	20:00:00	1640.5	2.6
02/23/15	21:00:00	1640.9	3.1
02/23/15	22:00:00	1642.5	3.6
02/23/15	23:00:00	1642.8	3.6
02/24/15	00:00:00	1643.0	3.6
02/24/15	01:00:00	1643.0	3.5
02/24/15	02:00:00	1643.2	3.5
02/24/15	03:00:00	1643.2	3.5
02/24/15	04:00:00	1643.1	3.4
02/24/15	05:00:00	1643.2	3.4
02/24/15	06:00:00	1643.3	3.5
02/24/15	07:00:00	1643.3	3.5
02/24/15	08:00:00	1643.6	3.5

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/24/15	09:00:00	1643.5	3.4
02/24/15	10:00:00	1643.7	3.4
02/24/15	11:00:00	1643.7	3.4
02/24/15	12:00:00	1644.2	3.4
02/24/15	13:00:00	1645.0	3.6
02/24/15	14:00:00	1649.5	4.8
02/24/15	15:00:00	1650.7	4.8
02/24/15	16:00:00	1651.2	4.7
02/24/15	17:00:00	1652.5	4.8
02/24/15	18:00:00	1651.6	4.4
02/24/15	19:00:00	1652.2	4.7
02/24/15	20:00:00	1653.1	4.9
02/24/15	21:00:00	1653.3	4.8
02/24/15	22:00:00	1653.5	4.9
02/24/15	23:00:00	1653.7	4.8
02/25/15	00:00:00	1653.8	4.9
02/25/15	01:00:00	1654.1	5.0
02/25/15	02:00:00	1654.2	5.0
02/25/15	03:00:00	1654.2	5.0
02/25/15	04:00:00	1654.2	4.9
02/25/15	05:00:00	1654.1	4.9
02/25/15	06:00:00	1654.1	4.9
02/25/15	07:00:00	1654.1	4.9
02/25/15	08:00:00	1654.2	4.9
02/25/15	09:00:00	1654.3	4.9
02/25/15	10:00:00	1654.5	4.8
02/25/15	11:00:00	1650.5	3.4
02/25/15	12:00:00	1649.8	3.4
02/25/15	13:00:00	1648.7	2.7
02/25/15	14:00:00	1640.9	0.0
02/25/15	15:00:00	1638.3	0.0
02/25/15	16:00:00	1636.9	0.0
02/25/15	17:00:00	1636.0	0.1
02/25/15	18:00:00	1639.9	2.4
02/25/15	19:00:00	1646.3	4.3
02/25/15	20:00:00	1652.9	5.6
02/25/15	21:00:00	1654.7	5.5
02/25/15	22:00:00	1655.3	5.4
02/25/15	23:00:00	1656.0	5.3
02/26/15	00:00:00	1656.6	5.4
02/26/15	01:00:00	1657.4	5.5
02/26/15	02:00:00	1657.8	5.6
02/26/15	03:00:00	1658.0	5.5
02/26/15	04:00:00	1658.4	5.5
02/26/15	05:00:00	1658.5	5.6
02/26/15	06:00:00	1658.8	5.7
02/26/15	07:00:00	1659.0	5.6
02/26/15	08:00:00	1659.2	5.6
02/26/15	09:00:00	1659.2	5.5
02/26/15	10:00:00	1659.2	5.3
02/26/15	11:00:00	1659.3	5.2
02/26/15	12:00:00	1660.4	5.5
02/26/15	13:00:00	1657.6	4.2
02/26/15	14:00:00	1660.0	5.1
02/26/15	15:00:00	1647.7	0.0
02/26/15	16:00:00	1644.1	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/26/15	17:00:00	1642.4	0.0
02/26/15	18:00:00	1645.7	2.5
02/26/15	19:00:00	1655.3	5.4
02/26/15	20:00:00	1657.7	5.5
02/26/15	21:00:00	1659.0	5.5
02/26/15	22:00:00	1659.8	5.5
02/26/15	23:00:00	1660.6	5.5
02/27/15	00:00:00	1661.0	5.5
02/27/15	01:00:00	1661.5	5.5
02/27/15	02:00:00	1661.9	5.5
02/27/15	03:00:00	1662.4	5.6
02/27/15	04:00:00	1662.7	5.6
02/27/15	05:00:00	1662.9	5.6
02/27/15	06:00:00	1662.7	5.5
02/27/15	07:00:00	1661.2	4.8
02/27/15	08:00:00	1660.3	4.6
02/27/15	09:00:00	1662.3	5.4
02/27/15	10:00:00	1662.9	5.4
02/27/15	11:00:00	1663.3	5.4
02/27/15	12:00:00	1663.7	5.4
02/27/15	13:00:00	1664.1	5.4
02/27/15	14:00:00	1664.5	5.4
02/27/15	15:00:00	1665.1	5.5
02/27/15	16:00:00	1665.3	5.5
02/27/15	17:00:00	1665.8	5.6
02/27/15	18:00:00	1665.7	5.5
02/27/15	19:00:00	1665.8	5.6
02/27/15	20:00:00	1666.6	5.8
02/27/15	21:00:00	1666.9	5.8
02/27/15	22:00:00	1667.0	5.8
02/27/15	23:00:00	1667.2	5.8
02/28/15	00:00:00	1667.2	5.8
02/28/15	01:00:00	1667.3	5.7
02/28/15	02:00:00	1667.4	5.7
02/28/15	03:00:00	1665.2	4.9
02/28/15	04:00:00	1667.3	5.7
02/28/15	05:00:00	1667.4	5.7
02/28/15	06:00:00	1667.6	5.7
02/28/15	07:00:00	1667.8	5.7
02/28/15	08:00:00	1667.9	5.7
02/28/15	09:00:00	1668.0	5.6
02/28/15	10:00:00	1667.8	5.5
02/28/15	11:00:00	1668.0	5.5
02/28/15	12:00:00	1669.3	5.8
02/28/15	13:00:00	1669.9	6.0
02/28/15	14:00:00	1670.4	6.1
02/28/15	15:00:00	1671.2	6.1
02/28/15	16:00:00	1671.3	6.1
02/28/15	17:00:00	1671.5	6.2
02/28/15	18:00:00	1671.8	6.2
02/28/15	19:00:00	1672.1	6.2
02/28/15	20:00:00	1672.0	6.2
02/28/15	21:00:00	1672.1	6.2
02/28/15	22:00:00	1672.0	6.1
02/28/15	23:00:00	1672.0	6.0
03/01/15	00:00:00	1670.5	5.6

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/01/15	01:00:00	1671.8	6.1
03/01/15	02:00:00	1667.6	4.4
03/01/15	03:00:00	1665.7	4.1
03/01/15	04:00:00	1665.0	4.1
03/01/15	05:00:00	1664.7	4.1
03/01/15	06:00:00	1664.2	4.0
03/01/15	07:00:00	1664.1	4.1
03/01/15	08:00:00	1663.9	4.1
03/01/15	09:00:00	1667.5	5.5
03/01/15	10:00:00	1669.4	5.7
03/01/15	11:00:00	1669.8	5.6
03/01/15	12:00:00	1670.1	5.5
03/01/15	13:00:00	1670.9	5.7
03/01/15	14:00:00	1671.6	5.8
03/01/15	15:00:00	1672.1	5.8
03/01/15	16:00:00	1672.4	5.8
03/01/15	17:00:00	1672.8	5.8
03/01/15	18:00:00	1673.2	5.9
03/01/15	19:00:00	1673.7	6.0
03/01/15	20:00:00	1673.9	6.0
03/01/15	21:00:00	1674.1	6.0
03/01/15	22:00:00	1674.3	6.0
03/01/15	23:00:00	1674.5	6.1
03/02/15	00:00:00	1674.7	6.1
03/02/15	01:00:00	1675.0	6.2
03/02/15	02:00:00	1675.0	6.1
03/02/15	03:00:00	1675.2	6.1
03/02/15	04:00:00	1675.4	6.2
03/02/15	05:00:00	1675.6	6.1
03/02/15	06:00:00	1675.7	6.1
03/02/15	07:00:00	1675.9	6.1
03/02/15	08:00:00	1676.0	6.1
03/02/15	09:00:00	1676.2	6.0
03/02/15	10:00:00	1676.2	5.9
03/02/15	11:00:00	1676.5	6.0
03/02/15	12:00:00	1677.1	6.0
03/02/15	13:00:00	1677.3	6.0
03/02/15	14:00:00	1676.2	5.3
03/02/15	15:00:00	1671.3	3.7
03/02/15	16:00:00	1670.8	4.0
03/02/15	17:00:00	1676.1	5.9
03/02/15	18:00:00	1676.7	5.9
03/02/15	19:00:00	1677.0	6.0
03/02/15	20:00:00	1677.3	6.0
03/02/15	21:00:00	1677.6	6.0
03/02/15	22:00:00	1677.6	6.0
03/02/15	23:00:00	1677.7	6.0
03/03/15	00:00:00	1677.9	6.1
03/03/15	01:00:00	1678.1	6.1
03/03/15	02:00:00	1678.3	6.2
03/03/15	03:00:00	1678.1	6.1
03/03/15	04:00:00	1678.1	6.1
03/03/15	05:00:00	1678.1	6.0
03/03/15	06:00:00	1677.9	5.9
03/03/15	07:00:00	1676.7	5.6

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/03/15	08:00:00	1670.8	2.2
03/03/15	09:00:00	1663.8	0.0
03/03/15	10:00:00	1661.9	0.0
03/03/15	11:00:00	1660.6	0.0
03/03/15	12:00:00	1659.6	0.0
03/03/15	13:00:00	1659.0	0.0
03/03/15	14:00:00	1658.3	0.0
03/03/15	15:00:00	1657.7	0.1
03/03/15	16:00:00	1657.0	0.1
03/03/15	17:00:00	1657.9	0.9
03/03/15	18:00:00	1664.2	3.8
03/03/15	19:00:00	1668.2	5.0
03/03/15	20:00:00	1671.6	5.7
03/03/15	21:00:00	1672.7	5.8
03/03/15	22:00:00	1673.5	5.8
03/03/15	23:00:00	1674.1	5.8
03/04/15	00:00:00	1674.6	5.8
03/04/15	01:00:00	1675.3	6.0
03/04/15	02:00:00	1675.6	5.9
03/04/15	03:00:00	1674.6	5.4
03/04/15	04:00:00	1676.2	6.1
03/04/15	05:00:00	1676.6	6.1
03/04/15	06:00:00	1676.9	6.0
03/04/15	07:00:00	1677.0	6.0
03/04/15	08:00:00	1677.3	6.0
03/04/15	09:00:00	1677.4	6.0
03/04/15	10:00:00	1677.7	5.9
03/04/15	11:00:00	1678.0	5.8
03/04/15	12:00:00	1678.5	5.8
03/04/15	13:00:00	1678.9	5.8
03/04/15	14:00:00	1679.5	5.8
03/04/15	15:00:00	1680.1	5.8
03/04/15	16:00:00	1680.4	5.9
03/04/15	17:00:00	1680.9	5.9
03/04/15	18:00:00	1681.4	6.1
03/04/15	19:00:00	1681.8	6.2
03/04/15	20:00:00	1681.8	6.0
03/04/15	21:00:00	1682.1	6.1
03/04/15	22:00:00	1682.1	6.1
03/04/15	23:00:00	1682.1	6.0
03/05/15	00:00:00	1681.9	5.9
03/05/15	01:00:00	1682.0	6.0
03/05/15	02:00:00	1682.1	6.0
03/05/15	03:00:00	1682.1	6.0
03/05/15	04:00:00	1682.3	6.1
03/05/15	05:00:00	1682.3	6.1
03/05/15	06:00:00	1682.2	6.1
03/05/15	07:00:00	1682.2	6.1
03/05/15	08:00:00	1682.3	6.0
03/05/15	09:00:00	1682.4	5.9
03/05/15	10:00:00	1682.9	6.0
03/05/15	11:00:00	1683.1	6.0
03/05/15	12:00:00	1683.5	5.9
03/05/15	13:00:00	1683.7	5.8
03/05/15	14:00:00	1682.9	5.3
03/05/15	15:00:00	1684.7	5.9

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/05/15	16:00:00	1685.2	6.0
03/05/15	17:00:00	1685.7	6.1
03/05/15	18:00:00	1686.2	6.2
03/05/15	19:00:00	1686.6	6.2
03/05/15	20:00:00	1686.5	6.1
03/05/15	21:00:00	1686.4	6.0
03/05/15	22:00:00	1686.5	6.0
03/05/15	23:00:00	1686.5	6.1
03/06/15	00:00:00	1686.5	6.0
03/06/15	01:00:00	1686.4	6.0
03/06/15	02:00:00	1686.5	6.0
03/06/15	03:00:00	1686.6	6.1
03/06/15	04:00:00	1686.6	6.1
03/06/15	05:00:00	1686.7	6.1
03/06/15	06:00:00	1686.5	6.1
03/06/15	07:00:00	1686.5	6.1
03/06/15	08:00:00	1686.5	6.0
03/06/15	09:00:00	1686.1	5.8
03/06/15	10:00:00	1686.6	5.9
03/06/15	11:00:00	1687.1	6.0
03/06/15	12:00:00	1685.1	5.1
03/06/15	13:00:00	1687.5	5.8
03/06/15	14:00:00	1688.0	5.8
03/06/15	15:00:00	1688.5	5.8
03/06/15	16:00:00	1688.9	5.9
03/06/15	17:00:00	1689.4	5.9
03/06/15	18:00:00	1689.7	6.0
03/06/15	19:00:00	1690.1	6.1
03/06/15	20:00:00	1690.3	6.1
03/06/15	21:00:00	1690.4	6.1
03/06/15	22:00:00	1690.5	6.1
03/06/15	23:00:00	1690.4	6.0
03/07/15	00:00:00	1690.3	6.0
03/07/15	01:00:00	1690.4	6.1
03/07/15	02:00:00	1690.3	6.0
03/07/15	03:00:00	1690.3	6.1
03/07/15	04:00:00	1690.4	6.1
03/07/15	05:00:00	1690.3	6.1
03/07/15	06:00:00	1690.1	6.0
03/07/15	07:00:00	1690.0	6.0
03/07/15	08:00:00	1690.3	6.0
03/07/15	09:00:00	1690.3	5.9
03/07/15	10:00:00	1690.5	5.8
03/07/15	11:00:00	1690.7	5.8
03/07/15	12:00:00	1691.4	6.0
03/07/15	13:00:00	1692.0	6.0
03/07/15	14:00:00	1692.4	6.0
03/07/15	15:00:00	1692.8	5.9
03/07/15	16:00:00	1693.0	6.0
03/07/15	17:00:00	1693.3	6.0
03/07/15	18:00:00	1693.3	6.0
03/07/15	19:00:00	1693.7	6.1
03/07/15	20:00:00	1693.7	6.0
03/07/15	21:00:00	1693.8	6.0
03/07/15	22:00:00	1693.9	6.1
03/07/15	23:00:00	1693.8	6.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/08/15	00:00:00	1693.8	6.0
03/08/15	01:00:00	1693.8	6.0
03/08/15	02:00:00	(1)	(1)
03/08/15	03:00:00	1693.9	6.0
03/08/15	04:00:00	1693.7	6.0
03/08/15	05:00:00	1693.6	5.9
03/08/15	06:00:00	1693.6	6.0
03/08/15	07:00:00	1693.5	6.0
03/08/15	08:00:00	1693.5	6.1
03/08/15	09:00:00	1693.6	6.0
03/08/15	10:00:00	1693.5	5.9
03/08/15	11:00:00	1693.4	5.7
03/08/15	12:00:00	1693.9	5.8
03/08/15	13:00:00	1694.3	5.9
03/08/15	14:00:00	1694.8	5.8
03/08/15	15:00:00	1695.2	5.7
03/08/15	16:00:00	1695.8	5.9
03/08/15	17:00:00	1696.1	5.9
03/08/15	18:00:00	1696.5	6.0
03/08/15	19:00:00	1696.8	6.1
03/08/15	20:00:00	1696.8	6.0
03/08/15	21:00:00	1697.0	6.0
03/08/15	22:00:00	1697.2	6.1
03/08/15	23:00:00	1697.2	6.0
03/09/15	00:00:00	1697.2	6.0
03/09/15	01:00:00	1697.1	6.0
03/09/15	02:00:00	1697.0	5.9
03/09/15	03:00:00	1697.0	6.0
03/09/15	04:00:00	1697.1	6.0
03/09/15	05:00:00	1697.2	6.1
03/09/15	06:00:00	1697.1	6.1
03/09/15	07:00:00	1697.1	6.1
03/09/15	08:00:00	1697.1	6.0
03/09/15	09:00:00	1697.3	6.1
03/09/15	10:00:00	1697.3	5.9
03/09/15	11:00:00	1697.3	5.8
03/09/15	12:00:00	1697.5	5.8
03/09/15	13:00:00	1697.7	5.7
03/09/15	14:00:00	1698.1	5.7
03/09/15	15:00:00	1698.6	5.8
03/09/15	16:00:00	1699.1	5.9
03/09/15	17:00:00	1699.3	5.8
03/09/15	18:00:00	1699.8	5.9
03/09/15	19:00:00	1700.0	6.0
03/09/15	20:00:00	1699.9	5.9
03/09/15	21:00:00	1700.1	5.9
03/09/15	22:00:00	1700.5	6.1
03/09/15	23:00:00	1700.6	6.1
03/10/15	00:00:00	1700.6	6.1
03/10/15	01:00:00	1700.6	6.1
03/10/15	02:00:00	1700.6	6.1
03/10/15	03:00:00	1699.7	5.7
03/10/15	04:00:00	1699.3	5.7
03/10/15	05:00:00	1698.9	5.5
03/10/15	06:00:00	1698.9	5.5

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/10/15	07:00:00	1698.5	5.4
03/10/15	08:00:00	1698.0	5.0
03/10/15	09:00:00	1694.6	4.0
03/10/15	10:00:00	1698.8	5.8
03/10/15	11:00:00	1699.9	6.0
03/10/15	12:00:00	1699.3	5.5
03/10/15	13:00:00	1700.3	5.8
03/10/15	14:00:00	1700.9	5.8
03/10/15	15:00:00	1701.1	5.7
03/10/15	16:00:00	1702.2	6.1
03/10/15	17:00:00	1702.2	5.9
03/10/15	18:00:00	1702.3	5.8
03/10/15	19:00:00	1705.1	6.8
03/10/15	20:00:00	1708.2	7.7
03/10/15	21:00:00	1703.7	5.9
03/10/15	22:00:00	1701.5	5.0
03/10/15	23:00:00	1698.6	3.9
03/11/15	00:00:00	1700.4	5.1
03/11/15	01:00:00	1706.7	7.4
03/11/15	02:00:00	1703.5	5.9
03/11/15	03:00:00	1702.8	5.7
03/11/15	04:00:00	1704.9	6.5
03/11/15	05:00:00	1706.3	6.8
03/11/15	06:00:00	1703.3	5.7
03/11/15	07:00:00	1703.1	5.7
03/11/15	08:00:00	1701.2	4.8
03/11/15	09:00:00	1703.0	5.8
03/11/15	10:00:00	1703.8	6.0
03/11/15	11:00:00	1706.9	7.0
03/11/15	12:00:00	1708.4	7.2
03/11/15	13:00:00	1705.5	6.1
03/11/15	14:00:00	1705.6	6.1
03/11/15	15:00:00	1710.9	7.9
03/11/15	16:00:00	1708.2	6.6
03/11/15	17:00:00	1706.7	6.1
03/11/15	18:00:00	1707.0	6.2
03/11/15	19:00:00	1707.4	6.3
03/11/15	20:00:00	1707.5	6.4
03/11/15	21:00:00	1707.6	6.4
03/11/15	22:00:00	1707.3	6.3
03/11/15	23:00:00	1706.9	6.1
03/12/15	00:00:00	1707.0	6.2
03/12/15	01:00:00	1707.3	6.3
03/12/15	02:00:00	1707.6	6.4
03/12/15	03:00:00	1707.7	6.4
03/12/15	04:00:00	1707.7	6.4
03/12/15	05:00:00	1707.7	6.4
03/12/15	06:00:00	1707.7	6.4
03/12/15	07:00:00	1707.7	6.4
03/12/15	08:00:00	1707.9	6.5
03/12/15	09:00:00	1708.0	6.4
03/12/15	10:00:00	1707.9	6.2
03/12/15	11:00:00	1708.0	6.1
03/12/15	12:00:00	1708.4	6.2
03/12/15	13:00:00	1708.8	6.2
03/12/15	14:00:00	1709.1	6.2

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/12/15	15:00:00	1709.6	6.2
03/12/15	16:00:00	1709.9	6.2
03/12/15	17:00:00	1710.2	6.2
03/12/15	18:00:00	1710.4	6.2
03/12/15	19:00:00	1710.6	6.3
03/12/15	20:00:00	1710.8	6.3
03/12/15	21:00:00	1710.9	6.3
03/12/15	22:00:00	1711.0	6.3
03/12/15	23:00:00	1714.5	7.5
03/13/15	00:00:00	1716.3	8.0
03/13/15	01:00:00	1716.3	7.7
03/13/15	02:00:00	1710.2	5.5
03/13/15	03:00:00	1703.4	2.7
03/13/15	04:00:00	1714.1	7.6
03/13/15	05:00:00	1712.1	6.5
03/13/15	06:00:00	1710.2	5.9
03/13/15	07:00:00	1710.2	6.0
03/13/15	08:00:00	1710.2	6.0
03/13/15	09:00:00	1710.2	5.9
03/13/15	10:00:00	1710.1	5.8
03/13/15	11:00:00	1711.2	6.1
03/13/15	12:00:00	1715.2	7.4
03/13/15	13:00:00	1713.3	6.6
03/13/15	14:00:00	1716.9	7.6
03/13/15	15:00:00	1717.4	7.4
03/13/15	16:00:00	1718.9	7.7
03/13/15	17:00:00	1719.4	7.8
03/13/15	18:00:00	1719.9	7.8
03/13/15	19:00:00	1719.2	7.5
03/13/15	20:00:00	1720.9	8.0
03/13/15	21:00:00	1721.1	7.9
03/13/15	22:00:00	1720.7	7.8
03/13/15	23:00:00	1718.0	6.7
03/14/15	00:00:00	1717.6	6.7
03/14/15	01:00:00	1721.1	7.9
03/14/15	02:00:00	1720.8	7.7
03/14/15	03:00:00	1720.8	7.7
03/14/15	04:00:00	1721.5	7.9
03/14/15	05:00:00	1721.1	7.8
03/14/15	06:00:00	1721.4	7.8
03/14/15	07:00:00	1722.1	8.0
03/14/15	08:00:00	1722.1	8.0
03/14/15	09:00:00	1722.1	7.9
03/14/15	10:00:00	1721.8	7.7
03/14/15	11:00:00	1722.3	7.7
03/14/15	12:00:00	1722.4	7.6
03/14/15	13:00:00	1723.0	7.7
03/14/15	14:00:00	1724.1	7.8
03/14/15	15:00:00	1715.8	4.2
03/14/15	16:00:00	1713.0	3.4
03/14/15	17:00:00	1712.1	3.4
03/14/15	18:00:00	1711.7	3.6
03/14/15	19:00:00	1714.0	4.9
03/14/15	20:00:00	1716.0	5.6
03/14/15	21:00:00	1716.3	5.7
03/14/15	22:00:00	1716.6	5.8

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/14/15	23:00:00	1716.0	5.5
03/15/15	00:00:00	1716.9	6.1
03/15/15	01:00:00	1716.1	5.6
03/15/15	02:00:00	1716.7	6.0
03/15/15	03:00:00	1716.8	6.0
03/15/15	04:00:00	1716.7	6.0
03/15/15	05:00:00	1716.7	5.9
03/15/15	06:00:00	1716.7	6.0
03/15/15	07:00:00	1716.8	6.0
03/15/15	08:00:00	1716.8	6.0
03/15/15	09:00:00	1715.5	5.4
03/15/15	10:00:00	1713.9	4.8
03/15/15	11:00:00	1717.1	6.1
03/15/15	12:00:00	1712.4	3.9
03/15/15	13:00:00	1708.8	2.1
03/15/15	14:00:00	1708.3	2.3
03/15/15	15:00:00	1714.3	5.5
03/15/15	16:00:00	1713.3	4.9
03/15/15	17:00:00	1716.1	5.9
03/15/15	18:00:00	1716.5	5.9
03/15/15	19:00:00	1716.8	6.0
03/15/15	20:00:00	1717.1	6.1
03/15/15	21:00:00	1717.2	6.1
03/15/15	22:00:00	1717.3	6.1
03/15/15	23:00:00	1717.4	6.2
03/16/15	00:00:00	1717.5	6.2
03/16/15	01:00:00	1717.4	6.1
03/16/15	02:00:00	1714.2	4.6
03/16/15	03:00:00	1715.0	5.3
03/16/15	04:00:00	1716.9	6.1
03/16/15	05:00:00	1717.1	6.1
03/16/15	06:00:00	1717.2	6.1
03/16/15	07:00:00	1717.2	6.1
03/16/15	08:00:00	1717.3	6.1
03/16/15	09:00:00	1717.3	6.1
03/16/15	10:00:00	1717.5	6.1
03/16/15	11:00:00	1717.7	6.1
03/16/15	12:00:00	1717.9	6.1
03/16/15	13:00:00	1718.0	6.0
03/16/15	14:00:00	1717.4	5.5
03/16/15	15:00:00	1724.1	7.9
03/16/15	16:00:00	1720.6	5.9
03/16/15	17:00:00	1725.3	8.1
03/16/15	18:00:00	1726.0	8.1
03/16/15	19:00:00	1726.6	8.1
03/16/15	20:00:00	1726.6	7.9
03/16/15	21:00:00	1727.2	8.1
03/16/15	22:00:00	1727.6	8.2
03/16/15	23:00:00	1727.8	8.2
03/17/15	00:00:00	1727.9	8.2
03/17/15	01:00:00	1728.2	8.2
03/17/15	02:00:00	1728.5	8.2
03/17/15	03:00:00	1728.3	8.1
03/17/15	04:00:00	1728.5	8.1
03/17/15	05:00:00	1728.7	8.1
03/17/15	06:00:00	1728.8	8.1

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/17/15	07:00:00	1728.9	8.1
03/17/15	08:00:00	1729.0	8.2
03/17/15	09:00:00	1729.3	8.1
03/17/15	10:00:00	1729.4	8.0
03/17/15	11:00:00	1729.7	8.0
03/17/15	12:00:00	1730.0	8.0
03/17/15	13:00:00	1730.5	8.0
03/17/15	14:00:00	1731.3	8.1
03/17/15	15:00:00	1731.8	8.1
03/17/15	16:00:00	1732.1	8.1
03/17/15	17:00:00	1732.3	8.0
03/17/15	18:00:00	1732.6	8.0
03/17/15	19:00:00	1732.9	8.0
03/17/15	20:00:00	1733.2	8.2
03/17/15	21:00:00	1733.2	8.1
03/17/15	22:00:00	1732.9	8.0
03/17/15	23:00:00	1733.2	8.1
03/18/15	00:00:00	1733.3	8.1
03/18/15	01:00:00	1733.4	8.2
03/18/15	02:00:00	1732.8	8.0
03/18/15	03:00:00	1732.2	7.8
03/18/15	04:00:00	1732.9	8.2
03/18/15	05:00:00	1733.0	8.2
03/18/15	06:00:00	1732.8	8.1
03/18/15	07:00:00	1727.6	6.2
03/18/15	08:00:00	1726.9	6.1
03/18/15	09:00:00	1725.0	5.2
03/18/15	10:00:00	1722.6	4.2
03/18/15	11:00:00	1726.3	6.1
03/18/15	12:00:00	1726.6	6.1
03/18/15	13:00:00	1726.8	6.0
03/18/15	14:00:00	1727.3	6.1
03/18/15	15:00:00	1727.7	6.2
03/18/15	16:00:00	1728.1	6.2
03/18/15	17:00:00	1728.3	6.2
03/18/15	18:00:00	1728.4	6.2
03/18/15	19:00:00	1727.8	6.0
03/18/15	20:00:00	1728.1	6.2
03/18/15	21:00:00	1728.3	6.3
03/18/15	22:00:00	1728.4	6.4
03/18/15	23:00:00	1728.4	6.4
03/19/15	00:00:00	1728.4	6.4
03/19/15	01:00:00	1728.3	6.3
03/19/15	02:00:00	1728.2	6.4
03/19/15	03:00:00	1728.2	6.4
03/19/15	04:00:00	1728.2	6.4
03/19/15	05:00:00	1728.1	6.5
03/19/15	06:00:00	1728.0	6.5
03/19/15	07:00:00	1727.2	6.2
03/19/15	08:00:00	1726.4	5.7
03/19/15	09:00:00	1719.4	2.2
03/19/15	10:00:00	1719.8	3.0
03/19/15	11:00:00	1723.4	5.1
03/19/15	12:00:00	1726.2	6.1
03/19/15	13:00:00	1726.8	6.1
03/19/15	14:00:00	1727.6	6.3

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/19/15	15:00:00	1728.1	6.2
03/19/15	16:00:00	1727.6	5.8
03/19/15	17:00:00	1723.1	3.8
03/19/15	18:00:00	1726.2	5.3
03/19/15	19:00:00	1728.4	6.2
03/19/15	20:00:00	1728.6	6.2
03/19/15	21:00:00	1728.9	6.2
03/19/15	22:00:00	1729.1	6.3
03/19/15	23:00:00	1729.2	6.2
03/20/15	00:00:00	1729.1	6.3
03/20/15	01:00:00	1727.8	5.6
03/20/15	02:00:00	1724.3	4.2
03/20/15	03:00:00	1728.6	6.4
03/20/15	04:00:00	1728.8	6.4
03/20/15	05:00:00	1728.8	6.4
03/20/15	06:00:00	1728.9	6.4
03/20/15	07:00:00	1728.9	6.4
03/20/15	08:00:00	1729.1	6.5
03/20/15	09:00:00	1729.4	6.5
03/20/15	10:00:00	1729.0	6.1
03/20/15	11:00:00	1728.5	5.8
03/20/15	12:00:00	1726.7	5.0
03/20/15	13:00:00	1729.6	6.1
03/20/15	14:00:00	1729.9	6.2
03/20/15	15:00:00	1730.5	6.3
03/20/15	16:00:00	1730.9	6.3
03/20/15	17:00:00	1731.3	6.4
03/20/15	18:00:00	1731.5	6.4
03/20/15	19:00:00	1731.7	6.4
03/20/15	20:00:00	1731.7	6.4
03/20/15	21:00:00	1731.7	6.4
03/20/15	22:00:00	1731.7	6.4
03/20/15	23:00:00	1731.8	6.4
03/21/15	00:00:00	1731.8	6.5
03/21/15	01:00:00	1731.8	6.4
03/21/15	02:00:00	1731.8	6.4
03/21/15	03:00:00	1731.8	6.4
03/21/15	04:00:00	1731.9	6.4
03/21/15	05:00:00	1731.8	6.4
03/21/15	06:00:00	1731.9	6.4
03/21/15	07:00:00	1732.0	6.4
03/21/15	08:00:00	1731.9	6.4
03/21/15	09:00:00	1731.5	6.1
03/21/15	10:00:00	1731.7	6.2
03/21/15	11:00:00	1732.2	6.3
03/21/15	12:00:00	1732.6	6.4
03/21/15	13:00:00	1732.8	6.3
03/21/15	14:00:00	1733.1	6.2
03/21/15	15:00:00	1733.6	6.3
03/21/15	16:00:00	1733.7	6.3
03/21/15	17:00:00	1733.0	5.9
03/21/15	18:00:00	1734.1	6.3
03/21/15	19:00:00	1734.4	6.4
03/21/15	20:00:00	1734.4	6.4
03/21/15	21:00:00	1734.6	6.4
03/21/15	22:00:00	1734.7	6.4

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/21/15	23:00:00	1734.6	6.4
03/22/15	00:00:00	1734.7	6.5
03/22/15	01:00:00	1734.7	6.4
03/22/15	02:00:00	1734.7	6.4
03/22/15	03:00:00	1734.7	6.5
03/22/15	04:00:00	1734.7	6.5
03/22/15	05:00:00	1734.7	6.5
03/22/15	06:00:00	1734.6	6.4
03/22/15	07:00:00	1734.5	6.4
03/22/15	08:00:00	1734.7	6.4
03/22/15	09:00:00	1734.8	6.4
03/22/15	10:00:00	1735.1	6.4
03/22/15	11:00:00	1735.2	6.5
03/22/15	12:00:00	1735.2	6.4
03/22/15	13:00:00	1735.6	6.4
03/22/15	14:00:00	1735.7	6.3
03/22/15	15:00:00	1735.5	6.0
03/22/15	16:00:00	1736.1	6.3
03/22/15	17:00:00	1736.4	6.4
03/22/15	18:00:00	1736.6	6.4
03/22/15	19:00:00	1736.8	6.5
03/22/15	20:00:00	1736.7	6.4
03/22/15	21:00:00	1736.7	6.4
03/22/15	22:00:00	1736.7	6.4
03/22/15	23:00:00	1736.8	6.4
03/23/15	00:00:00	1736.7	6.4
03/23/15	01:00:00	1736.7	6.5
03/23/15	02:00:00	1736.5	6.4
03/23/15	03:00:00	1736.5	6.3
03/23/15	04:00:00	1736.8	6.5
03/23/15	05:00:00	1736.8	6.4
03/23/15	06:00:00	1736.5	6.4
03/23/15	07:00:00	1736.4	6.3
03/23/15	08:00:00	1735.5	5.9
03/23/15	09:00:00	1736.7	6.4
03/23/15	10:00:00	1737.0	6.5
03/23/15	11:00:00	1737.2	6.5
03/23/15	12:00:00	1737.5	6.5
03/23/15	13:00:00	1737.6	6.4
03/23/15	14:00:00	1737.9	6.5
03/23/15	15:00:00	1738.1	6.4
03/23/15	16:00:00	1738.4	6.4
03/23/15	17:00:00	1738.6	6.5
03/23/15	18:00:00	1738.9	6.5
03/23/15	19:00:00	1739.0	6.5
03/23/15	20:00:00	1739.0	6.6
03/23/15	21:00:00	1738.9	6.5
03/23/15	22:00:00	1738.8	6.5
03/23/15	23:00:00	1738.9	6.5
03/24/15	00:00:00	1738.9	6.5
03/24/15	01:00:00	1738.9	6.5
03/24/15	02:00:00	1738.7	6.5
03/24/15	03:00:00	1738.7	6.4
03/24/15	04:00:00	1738.7	6.5
03/24/15	05:00:00	1738.8	6.4
03/24/15	06:00:00	1738.6	6.4

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/24/15	07:00:00	1738.6	6.4
03/24/15	08:00:00	1738.7	6.4
03/24/15	09:00:00	1738.9	6.4
03/24/15	10:00:00	1739.1	6.4
03/24/15	11:00:00	1739.4	6.4
03/24/15	12:00:00	1739.5	6.3
03/24/15	13:00:00	1739.8	6.3
03/24/15	14:00:00	1740.0	6.3
03/24/15	15:00:00	1740.4	6.3
03/24/15	16:00:00	1740.5	6.3
03/24/15	17:00:00	1740.8	6.4
03/24/15	18:00:00	1740.9	6.4
03/24/15	19:00:00	1741.0	6.4
03/24/15	20:00:00	1738.3	5.0
03/24/15	21:00:00	1740.8	6.4
03/24/15	22:00:00	1741.0	6.4
03/24/15	23:00:00	1741.1	6.5
03/25/15	00:00:00	1741.0	6.4
03/25/15	01:00:00	1741.0	6.4
03/25/15	02:00:00	1740.9	6.4
03/25/15	03:00:00	1741.0	6.4
03/25/15	04:00:00	1741.0	6.4
03/25/15	05:00:00	1741.0	6.4
03/25/15	06:00:00	1740.5	6.2
03/25/15	07:00:00	1739.9	6.0
03/25/15	08:00:00	1740.4	6.3
03/25/15	09:00:00	1740.1	6.0
03/25/15	10:00:00	1740.2	5.8
03/25/15	11:00:00	1730.5	0.0
03/25/15	12:00:00	1729.0	0.0
03/25/15	13:00:00	1728.1	0.0
03/25/15	14:00:00	1727.4	0.0
03/25/15	15:00:00	1726.8	0.0
03/25/15	16:00:00	1726.2	0.0
03/25/15	17:00:00	1726.2	0.6
03/25/15	18:00:00	1728.5	2.4
03/25/15	19:00:00	1727.6	1.9
03/25/15	20:00:00	1727.2	1.7
03/25/15	21:00:00	1734.2	5.4
03/25/15	22:00:00	1745.6	9.4
03/25/15	23:00:00	1747.0	9.5
03/26/15	00:00:00	1748.4	9.6
03/26/15	01:00:00	1749.2	9.6
03/26/15	02:00:00	1746.8	8.6
03/26/15	03:00:00	1749.9	9.5
03/26/15	04:00:00	1751.8	9.9
03/26/15	05:00:00	1752.8	10.1
03/26/15	06:00:00	1753.1	10.0
03/26/15	07:00:00	1752.8	9.8
03/26/15	08:00:00	1753.5	9.9
03/26/15	09:00:00	1753.8	9.8
03/26/15	10:00:00	1752.0	8.9
03/26/15	11:00:00	1747.0	6.9
03/26/15	12:00:00	1754.5	9.5
03/26/15	13:00:00	1755.6	9.4
03/26/15	14:00:00	1751.5	7.8

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/26/15	15:00:00	1753.6	8.4
03/26/15	16:00:00	1757.4	9.4
03/26/15	17:00:00	1758.6	9.5
03/26/15	18:00:00	1759.3	9.6
03/26/15	19:00:00	1760.2	9.6
03/26/15	20:00:00	1760.5	9.6
03/26/15	21:00:00	1760.8	9.6
03/26/15	22:00:00	1761.3	9.7
03/26/15	23:00:00	1761.7	9.8
03/27/15	00:00:00	1762.1	9.9
03/27/15	01:00:00	1762.1	9.9
03/27/15	02:00:00	1762.3	9.9
03/27/15	03:00:00	1762.3	9.9
03/27/15	04:00:00	1762.1	9.9
03/27/15	05:00:00	1762.2	9.9
03/27/15	06:00:00	1762.3	9.9
03/27/15	07:00:00	1762.4	10.0
03/27/15	08:00:00	1762.8	10.1
03/27/15	09:00:00	1762.9	10.0
03/27/15	10:00:00	1763.4	9.9
03/27/15	11:00:00	1763.7	9.8
03/27/15	12:00:00	1764.4	9.8
03/27/15	13:00:00	1764.8	9.7
03/27/15	14:00:00	1764.8	9.5
03/27/15	15:00:00	1765.3	9.4
03/27/15	16:00:00	1765.9	9.5
03/27/15	17:00:00	1766.8	9.7
03/27/15	18:00:00	1767.6	9.8
03/27/15	19:00:00	1768.2	9.8
03/27/15	20:00:00	1768.2	9.9
03/27/15	21:00:00	1768.3	9.9
03/27/15	22:00:00	1768.3	9.9
03/27/15	23:00:00	1768.5	10.0
03/28/15	00:00:00	1768.5	10.0
03/28/15	01:00:00	1768.7	10.1
03/28/15	02:00:00	1768.5	10.0
03/28/15	03:00:00	1768.7	10.1
03/28/15	04:00:00	1768.7	10.1
03/28/15	05:00:00	1768.8	10.1
03/28/15	06:00:00	1768.8	10.1
03/28/15	07:00:00	1768.8	10.1
03/28/15	08:00:00	1769.3	10.3
03/28/15	09:00:00	1768.8	10.1
03/28/15	10:00:00	1768.7	9.9
03/28/15	11:00:00	1768.6	9.8
03/28/15	12:00:00	1769.6	10.0
03/28/15	13:00:00	1769.9	9.8
03/28/15	14:00:00	1770.2	9.7
03/28/15	15:00:00	1770.7	9.7
03/28/15	16:00:00	1771.3	9.7
03/28/15	17:00:00	1772.1	9.8
03/28/15	18:00:00	1772.6	9.8
03/28/15	19:00:00	1773.3	9.9
03/28/15	20:00:00	1773.4	10.0
03/28/15	21:00:00	1771.8	9.0
03/28/15	22:00:00	1753.8	1.5

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/28/15	23:00:00	1762.9	7.2
03/29/15	00:00:00	1765.0	8.0
03/29/15	01:00:00	1765.0	8.0
03/29/15	02:00:00	1765.3	8.2
03/29/15	03:00:00	1765.3	8.3
03/29/15	04:00:00	1765.2	8.3
03/29/15	05:00:00	1765.1	8.3
03/29/15	06:00:00	1764.7	8.3
03/29/15	07:00:00	1764.6	8.3
03/29/15	08:00:00	1764.7	8.4
03/29/15	09:00:00	1764.3	8.2
03/29/15	10:00:00	1764.3	8.0
03/29/15	11:00:00	1764.6	7.9
03/29/15	12:00:00	1765.0	7.9
03/29/15	13:00:00	1765.4	7.9
03/29/15	14:00:00	1766.1	8.0
03/29/15	15:00:00	1766.6	8.0
03/29/15	16:00:00	1766.6	7.9
03/29/15	17:00:00	1767.0	7.9
03/29/15	18:00:00	1767.3	7.9
03/29/15	19:00:00	1767.9	8.0
03/29/15	20:00:00	1767.8	8.1
03/29/15	21:00:00	1768.1	8.2
03/29/15	22:00:00	1768.1	8.2
03/29/15	23:00:00	1768.1	8.3
03/30/15	00:00:00	1768.0	8.3
03/30/15	01:00:00	1767.7	8.2
03/30/15	02:00:00	1767.8	8.3
03/30/15	03:00:00	1767.8	8.3
03/30/15	04:00:00	1767.8	8.4
03/30/15	05:00:00	1767.3	8.2
03/30/15	06:00:00	1767.1	8.2
03/30/15	07:00:00	1767.1	8.3
03/30/15	08:00:00	1767.1	8.3
03/30/15	09:00:00	1767.0	8.1
03/30/15	10:00:00	1765.5	7.4
03/30/15	11:00:00	1772.7	9.7
03/30/15	12:00:00	1774.0	9.8
03/30/15	13:00:00	1774.8	9.8
03/30/15	14:00:00	1775.6	9.7
03/30/15	15:00:00	1776.5	9.8
03/30/15	16:00:00	1776.9	9.7
03/30/15	17:00:00	1777.3	9.7
03/30/15	18:00:00	1777.8	9.7
03/30/15	19:00:00	1778.5	9.9
03/30/15	20:00:00	1779.0	9.9
03/30/15	21:00:00	1779.1	10.0
03/30/15	22:00:00	1777.9	9.6
03/30/15	23:00:00	1772.9	8.2
03/31/15	00:00:00	1772.9	8.3
03/31/15	01:00:00	1773.0	8.5
03/31/15	02:00:00	1773.4	8.6
03/31/15	03:00:00	1773.2	8.6
03/31/15	04:00:00	1773.3	8.6
03/31/15	05:00:00	1773.1	8.6
03/31/15	06:00:00	1772.9	8.6

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/31/15	07:00:00	1772.7	8.5
03/31/15	08:00:00	1772.6	8.5
03/31/15	09:00:00	1772.7	8.5
03/31/15	10:00:00	1772.8	8.5
03/31/15	11:00:00	1772.7	8.4
03/31/15	12:00:00	1773.0	8.4
03/31/15	13:00:00	1773.2	8.3
03/31/15	14:00:00	1773.4	8.2
03/31/15	15:00:00	1773.7	8.3
03/31/15	16:00:00	1774.0	8.3
03/31/15	17:00:00	1774.3	8.3
03/31/15	18:00:00	1774.5	8.3
03/31/15	19:00:00	1774.9	8.4
03/31/15	20:00:00	1774.9	8.5
03/31/15	21:00:00	1775.0	8.5
03/31/15	22:00:00	1775.0	8.6
03/31/15	23:00:00	1775.1	8.7
04/01/15	00:00:00	1775.0	8.7
04/01/15	01:00:00	1774.9	8.7
04/01/15	02:00:00	1774.6	8.6
04/01/15	03:00:00	1774.5	8.6
04/01/15	04:00:00	1774.5	8.8
04/01/15	05:00:00	1774.4	8.7
04/01/15	06:00:00	1774.2	8.7
04/01/15	07:00:00	1774.1	8.8
04/01/15	08:00:00	1759.1	0.3
04/01/15	09:00:00	1756.8	0.0
04/01/15	10:00:00	1755.8	0.0
04/01/15	11:00:00	1754.9	0.0
04/01/15	12:00:00	1754.1	0.0
04/01/15	13:00:00	1753.4	0.0
04/01/15	14:00:00	1752.8	0.0
04/01/15	15:00:00	1752.2	0.0
04/01/15	16:00:00	1751.5	0.0
04/01/15	17:00:00	1751.0	0.0
04/01/15	18:00:00	1750.5	0.0
04/01/15	19:00:00	1750.2	0.0
04/01/15	20:00:00	1749.6	0.0
04/01/15	21:00:00	1749.3	0.0
04/01/15	22:00:00	1748.9	0.0
04/01/15	23:00:00	1748.6	0.0
04/02/15	00:00:00	1748.2	0.0
04/02/15	01:00:00	1747.9	0.0
04/02/15	02:00:00	1747.6	0.0
04/02/15	03:00:00	1747.3	0.0
04/02/15	04:00:00	1747.0	0.0
04/02/15	05:00:00	1746.7	0.0
04/02/15	06:00:00	1746.5	0.0
04/02/15	07:00:00	1746.3	0.0
04/02/15	08:00:00	1746.0	0.0
04/02/15	09:00:00	1745.8	0.0
04/02/15	10:00:00	1745.6	0.0
04/02/15	11:00:00	1745.3	0.0
04/02/15	12:00:00	1745.0	0.0
04/02/15	13:00:00	1744.8	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/02/15	14:00:00	1744.6	0.0
04/02/15	15:00:00	1744.4	0.0
04/02/15	16:00:00	1744.2	0.0
04/02/15	17:00:00	1744.0	0.0
04/02/15	18:00:00	1743.9	0.0
04/02/15	19:00:00	1743.9	0.0
04/02/15	20:00:00	1743.5	0.0
04/02/15	21:00:00	1743.4	0.0
04/02/15	22:00:00	1743.3	0.0
04/02/15	23:00:00	1743.2	0.0
04/03/15	00:00:00	1743.1	0.0
04/03/15	01:00:00	1743.0	0.0
04/03/15	02:00:00	1742.8	0.0
04/03/15	03:00:00	1742.7	0.0
04/03/15	04:00:00	1742.6	0.0
04/03/15	05:00:00	1742.5	0.0
04/03/15	06:00:00	1742.5	0.0
04/03/15	07:00:00	1742.3	0.0
04/03/15	08:00:00	(2)	0.0
04/03/15	09:00:00	1742.0	0.1
04/03/15	10:00:00	1742.2	0.0
04/03/15	11:00:00	1762.1	9.6
04/03/15	12:00:00	1764.5	9.8
04/03/15	13:00:00	1765.9	9.7
04/03/15	14:00:00	1767.3	9.7
04/03/15	15:00:00	1768.4	9.6
04/03/15	16:00:00	1767.8	8.8
04/03/15	17:00:00	1769.3	9.2
04/03/15	18:00:00	1771.3	9.5
04/03/15	19:00:00	1772.5	9.6
04/03/15	20:00:00	1772.9	9.7
04/03/15	21:00:00	1773.9	9.8
04/03/15	22:00:00	1775.0	10.0
04/03/15	23:00:00	1775.7	10.2
04/04/15	00:00:00	1775.8	10.2
04/04/15	01:00:00	1775.9	10.1
04/04/15	02:00:00	1776.0	10.0
04/04/15	03:00:00	1776.4	10.0
04/04/15	04:00:00	1776.6	10.0
04/04/15	05:00:00	1776.9	10.1
04/04/15	06:00:00	1776.9	10.0
04/04/15	07:00:00	1776.8	10.0
04/04/15	08:00:00	1777.0	9.9
04/04/15	09:00:00	1777.0	9.8
04/04/15	10:00:00	1777.8	9.9
04/04/15	11:00:00	1778.7	9.9
04/04/15	12:00:00	1778.4	9.6
04/04/15	13:00:00	1778.6	9.5
04/04/15	14:00:00	1779.3	9.5
04/04/15	15:00:00	1779.8	9.4
04/04/15	16:00:00	1780.4	9.4
04/04/15	17:00:00	1778.3	8.6
04/04/15	18:00:00	1779.8	9.2
04/04/15	19:00:00	1782.0	9.8
04/04/15	20:00:00	1781.9	9.6

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/04/15	21:00:00	1782.7	9.9
04/04/15	22:00:00	1782.9	9.9
04/04/15	23:00:00	1783.1	9.9
04/05/15	00:00:00	1783.6	10.1
04/05/15	01:00:00	1783.6	10.0
04/05/15	02:00:00	1783.5	10.0
04/05/15	03:00:00	1783.8	10.0
04/05/15	04:00:00	1783.8	10.0
04/05/15	05:00:00	1783.7	10.0
04/05/15	06:00:00	1783.7	10.0
04/05/15	07:00:00	1783.6	10.0
04/05/15	08:00:00	1784.2	10.2
04/05/15	09:00:00	1783.9	10.0
04/05/15	10:00:00	1783.8	9.8
04/05/15	11:00:00	1784.0	9.6
04/05/15	12:00:00	1784.5	9.7
04/05/15	13:00:00	1785.5	9.9
04/05/15	14:00:00	1785.9	10.1
04/05/15	15:00:00	1785.8	9.9
04/05/15	16:00:00	1786.4	10.0
04/05/15	17:00:00	1786.3	9.9
04/05/15	18:00:00	1786.8	9.9
04/05/15	19:00:00	1786.9	9.9
04/05/15	20:00:00	1787.0	10.0
04/05/15	21:00:00	1787.0	10.0
04/05/15	22:00:00	1787.1	10.0
04/05/15	23:00:00	1787.0	9.9
04/06/15	00:00:00	1783.5	9.0
04/06/15	01:00:00	1787.2	10.1
04/06/15	02:00:00	1787.1	10.0
04/06/15	03:00:00	1787.4	10.2
04/06/15	04:00:00	1787.2	10.1
04/06/15	05:00:00	1786.8	10.0
04/06/15	06:00:00	1786.7	10.0
04/06/15	07:00:00	1786.9	10.0
04/06/15	08:00:00	1787.3	10.1
04/06/15	09:00:00	1787.3	10.0
04/06/15	10:00:00	1787.3	9.8
04/06/15	11:00:00	1787.6	9.8
04/06/15	12:00:00	1788.1	9.8
04/06/15	13:00:00	1788.2	9.7
04/06/15	14:00:00	1788.6	9.6
04/06/15	15:00:00	1789.2	9.6
04/06/15	16:00:00	1790.3	9.8
04/06/15	17:00:00	1790.7	9.8
04/06/15	18:00:00	1791.1	9.8
04/06/15	19:00:00	1791.1	9.7
04/06/15	20:00:00	1791.4	9.8
04/06/15	21:00:00	1792.0	9.9
04/06/15	22:00:00	1792.4	10.0
04/06/15	23:00:00	1792.3	10.0
04/07/15	00:00:00	1792.6	10.1
04/07/15	01:00:00	1792.4	10.0
04/07/15	02:00:00	1792.5	10.1
04/07/15	03:00:00	1792.7	10.0
04/07/15	04:00:00	1792.8	9.9

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/07/15	05:00:00	1792.8	9.9
04/07/15	06:00:00	1792.7	9.9
04/07/15	07:00:00	1792.9	9.9
04/07/15	08:00:00	1792.8	9.9
04/07/15	09:00:00	1792.8	9.9
04/07/15	10:00:00	1792.8	9.9
04/07/15	11:00:00	1793.2	9.9
04/07/15	12:00:00	1793.7	9.9
04/07/15	13:00:00	1793.7	9.8
04/07/15	14:00:00	1793.6	9.7
04/07/15	15:00:00	1794.2	9.8
04/07/15	16:00:00	1794.8	9.9
04/07/15	17:00:00	1794.8	9.9
04/07/15	18:00:00	1795.5	10.2
04/07/15	19:00:00	1795.1	9.9
04/07/15	20:00:00	1794.8	9.9
04/07/15	21:00:00	1795.1	10.0
04/07/15	22:00:00	1791.0	8.8
04/07/15	23:00:00	1792.7	9.4
04/08/15	00:00:00	1795.0	10.1
04/08/15	01:00:00	1795.4	10.1
04/08/15	02:00:00	1795.5	10.2
04/08/15	03:00:00	1795.4	10.1
04/08/15	04:00:00	1795.4	10.1
04/08/15	05:00:00	1795.4	10.2
04/08/15	06:00:00	1795.1	10.0
04/08/15	07:00:00	1795.3	10.1
04/08/15	08:00:00	1795.5	10.2
04/08/15	09:00:00	1795.0	10.0
04/08/15	10:00:00	1795.7	10.1
04/08/15	11:00:00	1795.2	9.8
04/08/15	12:00:00	1795.2	9.7
04/08/15	13:00:00	1796.0	9.8
04/08/15	14:00:00	1796.4	9.8
04/08/15	15:00:00	1796.6	9.7
04/08/15	16:00:00	1797.0	9.7
04/08/15	17:00:00	1797.6	9.8
04/08/15	18:00:00	1798.0	9.8
04/08/15	19:00:00	1798.6	9.9
04/08/15	20:00:00	1798.7	9.9
04/08/15	21:00:00	1798.9	10.0
04/08/15	22:00:00	1798.8	10.0
04/08/15	23:00:00	1798.8	10.0
04/09/15	00:00:00	1799.0	10.1
04/09/15	01:00:00	1799.1	10.1
04/09/15	02:00:00	1799.1	10.1
04/09/15	03:00:00	1798.8	10.1
04/09/15	04:00:00	1798.8	10.1
04/09/15	05:00:00	1798.7	10.1
04/09/15	06:00:00	1798.6	10.1
04/09/15	07:00:00	1798.5	10.1
04/09/15	08:00:00	1798.7	10.1
04/09/15	09:00:00	1798.6	10.0
04/09/15	10:00:00	1798.7	9.9
04/09/15	11:00:00	1798.9	9.8
04/09/15	12:00:00	1799.2	9.7

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/09/15	13:00:00	1799.7	9.7
04/09/15	14:00:00	1800.3	9.7
04/09/15	15:00:00	1800.8	9.7
04/09/15	16:00:00	1801.5	9.8
04/09/15	17:00:00	1801.9	9.7
04/09/15	18:00:00	1802.2	9.8
04/09/15	19:00:00	1802.7	9.8
04/09/15	20:00:00	1802.8	9.8
04/09/15	21:00:00	1803.3	9.9
04/09/15	22:00:00	1803.6	10.0
04/09/15	23:00:00	1803.8	10.1
04/10/15	00:00:00	1798.4	8.3
04/10/15	01:00:00	1797.5	8.3
04/10/15	02:00:00	1797.1	8.2
04/10/15	03:00:00	1796.9	8.2
04/10/15	04:00:00	1796.7	8.2
04/10/15	05:00:00	1796.5	8.3
04/10/15	06:00:00	1796.3	8.3
04/10/15	07:00:00	1796.1	8.3
04/10/15	08:00:00	1796.0	8.3
04/10/15	09:00:00	1795.8	8.1
04/10/15	10:00:00	1796.0	8.1
04/10/15	11:00:00	1796.3	8.0
04/10/15	12:00:00	1796.6	8.0
04/10/15	13:00:00	1797.0	8.0
04/10/15	14:00:00	1797.3	8.0
04/10/15	15:00:00	1797.7	8.0
04/10/15	16:00:00	1798.0	7.9
04/10/15	17:00:00	1798.4	7.9
04/10/15	18:00:00	1798.6	8.0
04/10/15	19:00:00	1799.0	8.0
04/10/15	20:00:00	1798.9	8.1
04/10/15	21:00:00	1799.0	8.1
04/10/15	22:00:00	1799.0	8.1
04/10/15	23:00:00	1799.0	8.2
04/11/15	00:00:00	1798.9	8.2
04/11/15	01:00:00	1799.0	8.2
04/11/15	02:00:00	1798.8	8.2
04/11/15	03:00:00	1798.7	8.3
04/11/15	04:00:00	1798.6	8.3
04/11/15	05:00:00	1798.4	8.3
04/11/15	06:00:00	1798.3	8.3
04/11/15	07:00:00	1798.1	8.2
04/11/15	08:00:00	1798.2	8.2
04/11/15	09:00:00	1798.2	8.0
04/11/15	10:00:00	1798.4	8.0
04/11/15	11:00:00	1798.8	8.0
04/11/15	12:00:00	1799.0	8.0
04/11/15	13:00:00	1799.6	8.0
04/11/15	14:00:00	1799.9	8.0
04/11/15	15:00:00	1800.2	7.9
04/11/15	16:00:00	1800.6	7.9
04/11/15	17:00:00	1801.0	7.9
04/11/15	18:00:00	1801.0	7.9
04/11/15	19:00:00	1801.4	7.9
04/11/15	20:00:00	1801.7	8.1

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/11/15	21:00:00	1801.9	8.2
04/11/15	22:00:00	1801.2	7.9
04/11/15	23:00:00	1801.9	8.2
04/12/15	00:00:00	1801.9	8.2
04/12/15	01:00:00	1802.1	8.2
04/12/15	02:00:00	1802.1	8.3
04/12/15	03:00:00	1801.9	8.3
04/12/15	04:00:00	1801.8	8.3
04/12/15	05:00:00	1801.8	8.3
04/12/15	06:00:00	1801.7	8.3
04/12/15	07:00:00	1801.6	8.3
04/12/15	08:00:00	1800.5	7.7
04/12/15	09:00:00	1792.4	3.7
04/12/15	10:00:00	1791.6	3.4
04/12/15	11:00:00	1796.4	6.4
04/12/15	12:00:00	1800.7	7.9
04/12/15	13:00:00	1801.2	7.8
04/12/15	14:00:00	1799.2	6.9
04/12/15	15:00:00	1800.0	7.2
04/12/15	16:00:00	1802.2	7.8
04/12/15	17:00:00	1802.8	7.8
04/12/15	18:00:00	1803.1	7.8
04/12/15	19:00:00	1803.6	7.8
04/12/15	20:00:00	1803.7	7.9
04/12/15	21:00:00	1804.1	8.1
04/12/15	22:00:00	1804.2	8.0
04/12/15	23:00:00	1804.3	8.1
04/13/15	00:00:00	1804.5	8.2
04/13/15	01:00:00	1804.4	8.1
04/13/15	02:00:00	1804.4	8.1
04/13/15	03:00:00	1804.5	8.2
04/13/15	04:00:00	1800.6	6.7
04/13/15	05:00:00	1801.7	7.4
04/13/15	06:00:00	1803.7	8.2
04/13/15	07:00:00	1803.7	8.2
04/13/15	08:00:00	1803.8	8.2
04/13/15	09:00:00	1803.5	8.0
04/13/15	10:00:00	1803.8	8.0
04/13/15	11:00:00	1804.1	7.9
04/13/15	12:00:00	1802.4	6.9
04/13/15	13:00:00	1803.8	7.6
04/13/15	14:00:00	1805.0	7.8
04/13/15	15:00:00	1804.1	7.2
04/13/15	16:00:00	1805.9	7.9
04/13/15	17:00:00	1806.5	8.0
04/13/15	18:00:00	1806.7	8.1
04/13/15	19:00:00	1807.1	8.1
04/13/15	20:00:00	1806.7	8.1
04/13/15	21:00:00	1806.9	8.2
04/13/15	22:00:00	1806.8	8.2
04/13/15	23:00:00	1806.8	8.2
04/14/15	00:00:00	1806.7	8.2
04/14/15	01:00:00	1806.7	8.2
04/14/15	02:00:00	1806.7	8.2
04/14/15	03:00:00	1806.8	8.2
04/14/15	04:00:00	1806.7	8.3

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/14/15	05:00:00	1806.6	8.3
04/14/15	06:00:00	1806.4	8.3
04/14/15	07:00:00	1806.4	8.3
04/14/15	08:00:00	1801.8	6.2
04/14/15	09:00:00	1809.8	9.5
04/14/15	10:00:00	1811.7	9.8
04/14/15	11:00:00	1812.1	9.8
04/14/15	12:00:00	1809.3	8.6
04/14/15	13:00:00	1813.3	9.9
04/14/15	14:00:00	1813.9	9.8
04/14/15	15:00:00	1814.4	9.8
04/14/15	16:00:00	1815.0	9.8
04/14/15	17:00:00	1815.6	9.8
04/14/15	18:00:00	1816.0	9.8
04/14/15	19:00:00	1816.4	9.9
04/14/15	20:00:00	1816.3	9.8
04/14/15	21:00:00	1816.4	9.8
04/14/15	22:00:00	1816.6	9.9
04/14/15	23:00:00	1816.6	9.9
04/15/15	00:00:00	1817.2	10.1
04/15/15	01:00:00	1817.5	10.2
04/15/15	02:00:00	1817.3	10.1
04/15/15	03:00:00	1817.5	10.2
04/15/15	04:00:00	1817.4	10.2
04/15/15	05:00:00	1817.6	10.2
04/15/15	06:00:00	1817.3	10.1
04/15/15	07:00:00	1817.3	10.1
04/15/15	08:00:00	1817.6	10.2
04/15/15	09:00:00	1817.3	10.0
04/15/15	10:00:00	1817.5	9.9
04/15/15	11:00:00	1817.9	9.9
04/15/15	12:00:00	1818.5	9.9
04/15/15	13:00:00	1819.0	9.8
04/15/15	14:00:00	1819.5	9.8
04/15/15	15:00:00	1820.3	9.9
04/15/15	16:00:00	1820.9	9.9
04/15/15	17:00:00	1821.3	9.8
04/15/15	18:00:00	1821.6	9.8
04/15/15	19:00:00	1822.2	9.8
04/15/15	20:00:00	1822.0	9.8
04/15/15	21:00:00	1822.5	9.9
04/15/15	22:00:00	1822.9	10.0
04/15/15	23:00:00	1823.2	10.2
04/16/15	00:00:00	1823.2	10.1
04/16/15	01:00:00	1823.3	10.2
04/16/15	02:00:00	1823.2	10.2
04/16/15	03:00:00	1823.0	10.2
04/16/15	04:00:00	1822.9	10.2
04/16/15	05:00:00	1822.9	10.2
04/16/15	06:00:00	1822.6	10.2
04/16/15	07:00:00	1822.4	10.2
04/16/15	08:00:00	1822.3	10.2
04/16/15	09:00:00	1820.6	9.5
04/16/15	10:00:00	1821.3	9.6
04/16/15	11:00:00	1821.8	9.6
04/16/15	12:00:00	1822.2	9.5

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/16/15	13:00:00	1821.4	9.1
04/16/15	14:00:00	1809.3	2.1
04/16/15	15:00:00	1803.2	0.0
04/16/15	16:00:00	1802.0	0.0
04/16/15	17:00:00	1801.2	0.0
04/16/15	18:00:00	1800.3	0.0
04/16/15	19:00:00	1799.7	0.0
04/16/15	20:00:00	1798.7	0.0
04/16/15	21:00:00	1798.1	0.0
04/16/15	22:00:00	1797.7	0.0
04/16/15	23:00:00	1797.2	0.0
04/17/15	00:00:00	1796.7	0.0
04/17/15	01:00:00	1796.2	0.0
04/17/15	02:00:00	1795.7	0.0
04/17/15	03:00:00	1795.3	0.0
04/17/15	04:00:00	1795.0	0.0
04/17/15	05:00:00	1794.6	0.0
04/17/15	06:00:00	1794.2	0.0
04/17/15	07:00:00	1793.9	0.0
04/17/15	08:00:00	1793.6	0.0
04/17/15	09:00:00	1793.2	0.0
04/17/15	10:00:00	1792.9	0.0
04/17/15	11:00:00	1792.5	0.0
04/17/15	12:00:00	1792.2	0.0
04/17/15	13:00:00	1791.9	0.0
04/17/15	14:00:00	1791.7	0.0
04/17/15	15:00:00	1791.4	0.0
04/17/15	16:00:00	1791.2	0.0
04/17/15	17:00:00	1791.1	0.0
04/17/15	18:00:00	1790.7	0.0
04/17/15	19:00:00	1790.7	0.0
04/17/15	20:00:00	1790.2	0.0
04/17/15	21:00:00	1790.1	0.0
04/17/15	22:00:00	1790.0	0.0
04/17/15	23:00:00	1789.8	0.0
04/18/15	00:00:00	1789.7	0.0
04/18/15	01:00:00	1789.5	0.0
04/18/15	02:00:00	1789.4	0.0
04/18/15	03:00:00	1789.3	0.0
04/18/15	04:00:00	1789.1	0.0
04/18/15	05:00:00	1789.7	0.9
04/18/15	06:00:00	1790.5	1.9
04/18/15	07:00:00	1790.8	1.9
04/18/15	08:00:00	1791.4	1.9
04/18/15	09:00:00	1792.1	3.6
04/18/15	10:00:00	1792.7	3.6
04/18/15	11:00:00	1793.3	3.6
04/18/15	12:00:00	1796.0	4.9
04/18/15	13:00:00	1797.9	5.5
04/18/15	14:00:00	1798.7	5.5
04/18/15	15:00:00	1799.0	5.3
04/18/15	16:00:00	1801.7	6.5
04/18/15	17:00:00	1805.7	7.6
04/18/15	18:00:00	1806.3	7.6
04/18/15	19:00:00	1806.9	7.6
04/18/15	20:00:00	1807.4	7.7

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/18/15	21:00:00	1807.9	7.7
04/18/15	22:00:00	1808.3	7.7
04/18/15	23:00:00	1808.6	7.7
04/19/15	00:00:00	1809.1	7.8
04/19/15	01:00:00	1810.0	8.1
04/19/15	02:00:00	1810.2	8.0
04/19/15	03:00:00	1810.3	8.1
04/19/15	04:00:00	1810.4	8.0
04/19/15	05:00:00	1810.6	8.1
04/19/15	06:00:00	1810.5	8.1
04/19/15	07:00:00	1810.7	8.1
04/19/15	08:00:00	1810.7	8.0
04/19/15	09:00:00	1810.8	7.9
04/19/15	10:00:00	1811.2	7.9
04/19/15	11:00:00	1811.4	7.8
04/19/15	12:00:00	1811.9	7.7
04/19/15	13:00:00	1812.4	7.7
04/19/15	14:00:00	1813.0	7.7
04/19/15	15:00:00	1813.5	7.7
04/19/15	16:00:00	1814.1	7.7
04/19/15	17:00:00	1814.6	7.7
04/19/15	18:00:00	1814.8	7.7
04/19/15	19:00:00	1815.4	7.8
04/19/15	20:00:00	1815.5	7.9
04/19/15	21:00:00	1815.7	7.9
04/19/15	22:00:00	1815.8	7.9
04/19/15	23:00:00	1815.8	7.9
04/20/15	00:00:00	1815.9	7.9
04/20/15	01:00:00	1815.9	8.0
04/20/15	02:00:00	1815.9	8.0
04/20/15	03:00:00	1815.8	8.0
04/20/15	04:00:00	1815.7	8.0
04/20/15	05:00:00	1815.7	8.0
04/20/15	06:00:00	1815.7	8.0
04/20/15	07:00:00	1815.7	8.0
04/20/15	08:00:00	1815.8	8.0
04/20/15	09:00:00	1815.2	7.7
04/20/15	10:00:00	1814.8	7.4
04/20/15	11:00:00	1814.9	7.3
04/20/15	12:00:00	1808.9	4.1
04/20/15	13:00:00	1814.2	6.8
04/20/15	14:00:00	1821.8	9.5
04/20/15	15:00:00	1822.5	9.4
04/20/15	16:00:00	1823.4	9.4
04/20/15	17:00:00	1824.2	9.5
04/20/15	18:00:00	1824.5	9.5
04/20/15	19:00:00	1824.8	9.5
04/20/15	20:00:00	1825.1	9.5
04/20/15	21:00:00	1825.5	9.6
04/20/15	22:00:00	1825.6	9.6
04/20/15	23:00:00	1826.0	9.7
04/21/15	00:00:00	1826.2	9.8
04/21/15	01:00:00	1822.8	8.6
04/21/15	02:00:00	1819.9	7.7
04/21/15	03:00:00	1819.7	7.7
04/21/15	04:00:00	1823.0	8.9

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/21/15	05:00:00	1826.1	9.8
04/21/15	06:00:00	1826.1	9.8
04/21/15	07:00:00	1826.3	9.8
04/21/15	08:00:00	1826.6	9.8
04/21/15	09:00:00	1826.7	9.8
04/21/15	10:00:00	1826.8	9.7
04/21/15	11:00:00	1826.1	9.2
04/21/15	12:00:00	1821.8	7.7
04/21/15	13:00:00	1820.3	5.7
04/21/15	14:00:00	1825.8	9.0
04/21/15	15:00:00	1827.8	9.5
04/21/15	16:00:00	1828.7	9.5
04/21/15	17:00:00	1829.2	9.6
04/21/15	18:00:00	1829.7	9.7
04/21/15	19:00:00	1829.7	9.6
04/21/15	20:00:00	1829.5	9.5
04/21/15	21:00:00	1824.8	8.0
04/21/15	22:00:00	1828.5	9.4
04/21/15	23:00:00	1829.9	9.9
04/22/15	00:00:00	1829.6	9.8
04/22/15	01:00:00	1829.5	9.8
04/22/15	02:00:00	1829.7	9.8
04/22/15	03:00:00	1829.8	9.9
04/22/15	04:00:00	1829.8	9.9
04/22/15	05:00:00	1829.7	9.8
04/22/15	06:00:00	1829.9	9.8
04/22/15	07:00:00	1829.9	9.8
04/22/15	08:00:00	1830.3	9.8
04/22/15	09:00:00	1830.3	9.7
04/22/15	10:00:00	1830.7	9.8
04/22/15	11:00:00	1830.4	9.5
04/22/15	12:00:00	1830.6	9.5
04/22/15	13:00:00	1826.2	7.8
04/22/15	14:00:00	1825.2	7.4
04/22/15	15:00:00	1823.8	6.6
04/22/15	16:00:00	1822.4	5.8
04/22/15	17:00:00	1831.3	9.4
04/22/15	18:00:00	1832.3	9.4
04/22/15	19:00:00	1832.9	9.5
04/22/15	20:00:00	1833.2	9.5
04/22/15	21:00:00	1833.7	9.6
04/22/15	22:00:00	1833.9	9.6
04/22/15	23:00:00	1834.2	9.7
04/23/15	00:00:00	1834.5	9.8
04/23/15	01:00:00	1834.4	9.7
04/23/15	02:00:00	1834.7	9.8
04/23/15	03:00:00	1835.1	10.0
04/23/15	04:00:00	1834.8	9.9
04/23/15	05:00:00	1834.7	9.9
04/23/15	06:00:00	1834.5	9.9
04/23/15	07:00:00	1834.5	9.9
04/23/15	08:00:00	1834.8	9.9
04/23/15	09:00:00	1834.5	9.8
04/23/15	10:00:00	1834.6	9.7
04/23/15	11:00:00	1834.9	9.6
04/23/15	12:00:00	1835.4	9.6

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/23/15	13:00:00	1835.7	9.5
04/23/15	14:00:00	1836.4	9.5
04/23/15	15:00:00	1836.9	9.5
04/23/15	16:00:00	1837.3	9.4
04/23/15	17:00:00	1837.8	9.4
04/23/15	18:00:00	1838.2	9.5
04/23/15	19:00:00	1838.4	9.5
04/23/15	20:00:00	1838.3	9.5
04/23/15	21:00:00	1838.8	9.6
04/23/15	22:00:00	1839.2	9.7
04/23/15	23:00:00	1839.5	9.8
04/24/15	00:00:00	1839.2	9.8
04/24/15	01:00:00	1839.2	9.7
04/24/15	02:00:00	1839.3	9.7
04/24/15	03:00:00	1839.4	9.8
04/24/15	04:00:00	1839.7	9.9
04/24/15	05:00:00	1839.7	9.9
04/24/15	06:00:00	1839.6	9.8
04/24/15	07:00:00	1822.4	0.2
04/24/15	08:00:00	1819.5	0.0
04/24/15	09:00:00	1818.7	0.0
04/24/15	10:00:00	1817.9	0.0
04/24/15	11:00:00	1817.1	0.0
04/24/15	12:00:00	1816.4	0.0
04/24/15	13:00:00	1815.8	0.0
04/24/15	14:00:00	1816.1	0.9
04/24/15	15:00:00	1827.8	7.7
04/24/15	16:00:00	1834.1	9.6
04/24/15	17:00:00	1834.8	9.6
04/24/15	18:00:00	1835.3	9.6
04/24/15	19:00:00	1835.7	9.6
04/24/15	20:00:00	1836.1	9.6
04/24/15	21:00:00	1836.5	9.7
04/24/15	22:00:00	1836.8	9.7
04/24/15	23:00:00	1837.2	9.7
04/25/15	00:00:00	1837.3	9.7
04/25/15	01:00:00	1837.5	9.7
04/25/15	02:00:00	1837.6	9.7
04/25/15	03:00:00	1837.7	9.7
04/25/15	04:00:00	1838.1	9.8
04/25/15	05:00:00	1838.3	9.8
04/25/15	06:00:00	1838.5	9.7
04/25/15	07:00:00	1838.7	9.8
04/25/15	08:00:00	1838.8	9.7
04/25/15	09:00:00	1839.2	9.8
04/25/15	10:00:00	1839.4	9.7
04/25/15	11:00:00	1839.6	9.6
04/25/15	12:00:00	1840.0	9.6
04/25/15	13:00:00	1840.4	9.6
04/25/15	14:00:00	1839.5	9.1
04/25/15	15:00:00	1839.8	9.2
04/25/15	16:00:00	1842.0	9.7
04/25/15	17:00:00	1842.3	9.7
04/25/15	18:00:00	1842.5	9.7
04/25/15	19:00:00	1842.9	9.7
04/25/15	20:00:00	1842.9	9.7

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/25/15	21:00:00	1843.3	9.8
04/25/15	22:00:00	1843.3	9.8
04/25/15	23:00:00	1843.8	9.9
04/26/15	00:00:00	1843.9	9.9
04/26/15	01:00:00	1843.9	10.0
04/26/15	02:00:00	1843.9	9.9
04/26/15	03:00:00	1843.8	9.9
04/26/15	04:00:00	1843.9	10.0
04/26/15	05:00:00	1843.9	10.0
04/26/15	06:00:00	1844.0	10.0
04/26/15	07:00:00	1843.9	10.0
04/26/15	08:00:00	1843.8	9.9
04/26/15	09:00:00	1843.6	9.7
04/26/15	10:00:00	1844.0	9.7
04/26/15	11:00:00	1844.1	9.6
04/26/15	12:00:00	1844.4	9.5
04/26/15	13:00:00	1845.2	9.6
04/26/15	14:00:00	1845.4	9.5
04/26/15	15:00:00	1846.1	9.5
04/26/15	16:00:00	1846.6	9.5
04/26/15	17:00:00	1846.9	9.5
04/26/15	18:00:00	1847.0	9.4
04/26/15	19:00:00	1847.5	9.4
04/26/15	20:00:00	1847.6	9.5
04/26/15	21:00:00	1847.8	9.6
04/26/15	22:00:00	1848.2	9.7
04/26/15	23:00:00	1848.5	9.8
04/27/15	00:00:00	1848.7	9.8
04/27/15	01:00:00	1848.6	9.8
04/27/15	02:00:00	1848.7	9.8
04/27/15	03:00:00	1848.9	9.9
04/27/15	04:00:00	1848.7	9.8
04/27/15	05:00:00	1848.6	9.8
04/27/15	06:00:00	1848.7	9.8
04/27/15	07:00:00	1848.6	9.8
04/27/15	08:00:00	1848.3	9.7
04/27/15	09:00:00	1848.0	9.5
04/27/15	10:00:00	1848.6	9.6
04/27/15	11:00:00	1849.0	9.6
04/27/15	12:00:00	1849.4	9.6
04/27/15	13:00:00	1849.6	9.5
04/27/15	14:00:00	1849.4	9.2
04/27/15	15:00:00	1850.1	9.2
04/27/15	16:00:00	1850.6	9.2
04/27/15	17:00:00	1851.0	9.2
04/27/15	18:00:00	1851.3	9.3
04/27/15	19:00:00	1851.9	9.3
04/27/15	20:00:00	1852.0	9.3
04/27/15	21:00:00	1852.5	9.4
04/27/15	22:00:00	1852.7	9.4
04/27/15	23:00:00	1853.2	9.6
04/28/15	00:00:00	1853.8	9.7
04/28/15	01:00:00	1853.9	9.8
04/28/15	02:00:00	1853.7	9.8
04/28/15	03:00:00	1853.4	9.8
04/28/15	04:00:00	1853.4	9.8

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/28/15	05:00:00	1853.4	9.9
04/28/15	06:00:00	1853.4	9.8
04/28/15	07:00:00	1853.5	9.8
04/28/15	08:00:00	1853.6	9.8
04/28/15	09:00:00	1852.9	9.6
04/28/15	10:00:00	1852.8	9.5
04/28/15	11:00:00	1852.8	9.4
04/28/15	12:00:00	1853.2	9.3
04/28/15	13:00:00	1853.7	9.3
04/28/15	14:00:00	1854.1	9.2
04/28/15	15:00:00	1854.7	9.2
04/28/15	16:00:00	1854.9	9.1
04/28/15	17:00:00	1855.6	9.3
04/28/15	18:00:00	1856.0	9.3
04/28/15	19:00:00	1856.4	9.3
04/28/15	20:00:00	1856.5	9.4
04/28/15	21:00:00	1856.9	9.6
04/28/15	22:00:00	1857.1	9.7
04/28/15	23:00:00	1857.2	9.7
04/29/15	00:00:00	1857.0	9.8
04/29/15	01:00:00	1857.3	9.9
04/29/15	02:00:00	1857.1	9.9
04/29/15	03:00:00	1857.0	9.9
04/29/15	04:00:00	1856.7	9.9
04/29/15	05:00:00	1856.6	9.9
04/29/15	06:00:00	1856.3	9.9
04/29/15	07:00:00	1856.3	9.8
04/29/15	08:00:00	1856.5	9.8
04/29/15	09:00:00	1856.0	9.7
04/29/15	10:00:00	1856.2	9.6
04/29/15	11:00:00	1856.3	9.5
04/29/15	12:00:00	1856.6	9.3
04/29/15	13:00:00	1857.2	9.4
04/29/15	14:00:00	1857.6	9.3
04/29/15	15:00:00	1858.3	9.3
04/29/15	16:00:00	1858.7	9.3
04/29/15	17:00:00	1859.0	9.3
04/29/15	18:00:00	1859.2	9.3
04/29/15	19:00:00	1859.7	9.3
04/29/15	20:00:00	1859.6	9.3
04/29/15	21:00:00	1859.8	9.4
04/29/15	22:00:00	1860.2	9.5
04/29/15	23:00:00	1860.5	9.6
04/30/15	00:00:00	1860.6	9.7
04/30/15	01:00:00	1860.5	9.7
04/30/15	02:00:00	1860.5	9.8
04/30/15	03:00:00	1860.5	9.8
04/30/15	04:00:00	1860.3	9.8
04/30/15	05:00:00	1860.0	9.8
04/30/15	06:00:00	1859.8	9.7
04/30/15	07:00:00	1859.5	9.7
04/30/15	08:00:00	1859.5	9.7
04/30/15	09:00:00	1859.2	9.5
04/30/15	10:00:00	1859.6	9.5
04/30/15	11:00:00	1859.7	9.4
04/30/15	12:00:00	1859.8	9.2

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/30/15	13:00:00	1860.3	9.2
04/30/15	14:00:00	1861.1	9.2
04/30/15	15:00:00	1861.9	9.2
04/30/15	16:00:00	1862.3	9.2
04/30/15	17:00:00	1862.7	9.2
04/30/15	18:00:00	1862.8	9.2
04/30/15	19:00:00	1863.1	9.1
04/30/15	20:00:00	1863.2	9.2
04/30/15	21:00:00	1863.5	9.3
04/30/15	22:00:00	1864.1	9.5
04/30/15	23:00:00	1864.3	9.5
05/01/15	00:00:00	1864.6	9.6
05/01/15	01:00:00	1864.5	9.6
05/01/15	02:00:00	1864.3	9.6
05/01/15	03:00:00	1864.4	9.7
05/01/15	04:00:00	1864.3	9.7
05/01/15	05:00:00	1864.1	9.7
05/01/15	06:00:00	1864.0	9.8
05/01/15	07:00:00	1863.5	9.6
05/01/15	08:00:00	1863.6	9.6
05/01/15	09:00:00	1863.1	9.4
05/01/15	10:00:00	1863.5	9.3
05/01/15	11:00:00	1863.8	9.4
05/01/15	12:00:00	1855.9	4.6
05/01/15	13:00:00	1845.8	0.0
05/01/15	14:00:00	1844.7	0.0
05/01/15	15:00:00	1843.8	0.0
05/01/15	16:00:00	1843.0	0.0
05/01/15	17:00:00	1842.2	0.0
05/01/15	18:00:00	1841.4	0.0
05/01/15	19:00:00	1841.0	0.0
05/01/15	20:00:00	1840.2	0.0
05/01/15	21:00:00	1839.8	0.0
05/01/15	22:00:00	1839.4	0.0
05/01/15	23:00:00	1839.0	0.0
05/02/15	00:00:00	1838.6	0.0
05/02/15	01:00:00	1838.2	0.0
05/02/15	02:00:00	1837.8	0.0
05/02/15	03:00:00	1837.5	0.0
05/02/15	04:00:00	1837.1	0.0
05/02/15	05:00:00	1836.8	0.0
05/02/15	06:00:00	1836.5	0.0
05/02/15	07:00:00	1836.2	0.0
05/02/15	08:00:00	1835.9	0.0
05/02/15	09:00:00	1835.4	0.0
05/02/15	10:00:00	1835.3	0.0
05/02/15	11:00:00	1834.8	0.0
05/02/15	12:00:00	1834.5	0.0
05/02/15	13:00:00	1834.4	0.0
05/02/15	14:00:00	1834.2	0.0
05/02/15	15:00:00	1834.0	0.0
05/02/15	16:00:00	1833.8	0.0
05/02/15	17:00:00	1833.5	0.0
05/02/15	18:00:00	1833.1	0.0
05/02/15	19:00:00	1833.1	0.0
05/02/15	20:00:00	1832.7	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/02/15	21:00:00	1832.6	0.0
05/02/15	22:00:00	1832.5	0.0
05/02/15	23:00:00	1832.4	0.0
05/03/15	00:00:00	1832.2	0.0
05/03/15	01:00:00	1832.1	0.0
05/03/15	02:00:00	1831.9	0.0
05/03/15	03:00:00	1831.8	0.0
05/03/15	04:00:00	1831.7	0.0
05/03/15	05:00:00	1831.5	0.0
05/03/15	06:00:00	1831.3	0.0
05/03/15	07:00:00	1831.2	0.0
05/03/15	08:00:00	1831.0	0.0
05/03/15	09:00:00	1830.8	0.0
05/03/15	10:00:00	1830.7	0.0
05/03/15	11:00:00	1830.4	0.0
05/03/15	12:00:00	1831.0	0.7
05/03/15	13:00:00	1845.9	8.8
05/03/15	14:00:00	1849.0	9.2
05/03/15	15:00:00	1850.5	9.2
05/03/15	16:00:00	1851.9	9.4
05/03/15	17:00:00	1852.6	9.4
05/03/15	18:00:00	1853.2	9.3
05/03/15	19:00:00	1854.2	9.4
05/03/15	20:00:00	1854.6	9.5
05/03/15	21:00:00	1855.2	9.6
05/03/15	22:00:00	1855.8	9.7
05/03/15	23:00:00	1856.2	9.7
05/04/15	00:00:00	1856.5	9.7
05/04/15	01:00:00	1856.6	9.7
05/04/15	02:00:00	1856.9	9.7
05/04/15	03:00:00	1857.1	9.7
05/04/15	04:00:00	1857.2	9.7
05/04/15	05:00:00	1857.4	9.7
05/04/15	06:00:00	1857.6	9.7
05/04/15	07:00:00	1858.0	9.7
05/04/15	08:00:00	1858.2	9.7
05/04/15	09:00:00	1858.4	9.6
05/04/15	10:00:00	1858.8	9.6
05/04/15	11:00:00	1858.7	9.4
05/04/15	12:00:00	1851.1	4.7
05/04/15	13:00:00	1841.5	0.0
05/04/15	14:00:00	1840.6	0.0
05/04/15	15:00:00	1834.5	0.0
05/04/15	16:00:00	1830.9	0.0
05/04/15	17:00:00	1837.3	0.0
05/04/15	18:00:00	1837.3	0.0
05/04/15	19:00:00	1837.2	0.0
05/04/15	20:00:00	1836.6	0.0
05/04/15	21:00:00	1836.3	0.0
05/04/15	22:00:00	1836.1	0.0
05/04/15	23:00:00	1835.8	0.0
05/05/15	00:00:00	1835.6	0.0
05/05/15	01:00:00	1835.3	0.0
05/05/15	02:00:00	1835.0	0.0
05/05/15	03:00:00	1834.8	0.0
05/05/15	04:00:00	1834.6	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/05/15	05:00:00	1834.3	0.0
05/05/15	06:00:00	1834.1	0.0
05/05/15	07:00:00	1834.0	0.0
05/05/15	08:00:00	1833.7	0.0
05/05/15	09:00:00	1825.9	0.0
05/05/15	10:00:00	1832.2	0.0
05/05/15	11:00:00	1812.3	0.0
05/05/15	12:00:00	1830.5	0.0
05/05/15	13:00:00	1610.4	0.0
05/05/15	14:00:00	1822.8	0.0
05/05/15	15:00:00	1829.1	0.0
05/05/15	16:00:00	1829.5	0.0
05/05/15	17:00:00	1829.4	0.0
05/05/15	18:00:00	1779.0	0.0
05/05/15	19:00:00	1798.2	0.0
05/05/15	20:00:00	1839.8	7.8
05/05/15	21:00:00	1845.7	9.5
05/05/15	22:00:00	1847.8	9.6
05/05/15	23:00:00	1849.4	9.7
05/06/15	00:00:00	1850.6	9.7
05/06/15	01:00:00	1851.3	9.8
05/06/15	02:00:00	1851.4	9.7
05/06/15	03:00:00	1851.6	9.7
05/06/15	04:00:00	1852.0	9.7
05/06/15	05:00:00	1852.2	9.6
05/06/15	06:00:00	1852.5	9.7
05/06/15	07:00:00	1853.0	9.6
05/06/15	08:00:00	1853.4	9.2
05/06/15	09:00:00	1775.8	0.0
05/06/15	10:00:00	1719.4	0.0
05/06/15	11:00:00	1710.0	0.0
05/06/15	12:00:00	1706.3	0.0
05/06/15	13:00:00	1704.4	0.0
05/06/15	14:00:00	1704.4	0.0
05/06/15	15:00:00	1701.7	0.0
05/06/15	16:00:00	1701.4	0.0
05/06/15	17:00:00	1696.3	0.0
05/06/15	18:00:00	1694.8	0.0
05/06/15	19:00:00	1822.9	4.5
05/06/15	20:00:00	1836.4	9.3
05/06/15	21:00:00	1838.8	9.3
05/06/15	22:00:00	1841.0	9.5
05/06/15	23:00:00	1843.0	9.6
05/07/15	00:00:00	1844.2	9.6
05/07/15	01:00:00	1842.4	8.5
05/07/15	02:00:00	1845.7	9.2
05/07/15	03:00:00	1842.4	8.1
05/07/15	04:00:00	1845.7	9.0
05/07/15	05:00:00	1844.7	8.6
05/07/15	06:00:00	1843.2	8.0
05/07/15	07:00:00	1846.4	9.0
05/07/15	08:00:00	1848.6	9.4
05/07/15	09:00:00	1757.7	0.0
05/07/15	10:00:00	1706.0	0.0
05/07/15	11:00:00	1690.1	0.0
05/07/15	12:00:00	1687.5	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/07/15	13:00:00	1684.9	0.0
05/07/15	14:00:00	1683.3	0.0
05/07/15	15:00:00	1681.3	0.0
05/07/15	16:00:00	1678.2	0.0
05/07/15	17:00:00	1676.3	0.0
05/07/15	18:00:00	1674.3	0.0
05/07/15	19:00:00	1814.7	3.9
05/07/15	20:00:00	1830.7	9.6
05/07/15	21:00:00	1832.9	9.5
05/07/15	22:00:00	1835.0	9.4
05/07/15	23:00:00	1837.2	9.6
05/08/15	00:00:00	1838.6	9.5
05/08/15	01:00:00	1840.0	9.7
05/08/15	02:00:00	1840.7	9.6
05/08/15	03:00:00	1841.7	9.7
05/08/15	04:00:00	1841.7	9.6
05/08/15	05:00:00	1842.0	9.6
05/08/15	06:00:00	1842.7	9.7
05/08/15	07:00:00	1843.0	9.6
05/08/15	08:00:00	1834.8	4.7
05/08/15	09:00:00	1733.9	0.0
05/08/15	10:00:00	1696.8	0.0
05/08/15	11:00:00	1687.2	0.0
05/08/15	12:00:00	1690.4	0.0
05/08/15	13:00:00	1690.8	0.0
05/08/15	14:00:00	1690.5	0.0
05/08/15	15:00:00	1685.5	0.0
05/08/15	16:00:00	1687.9	0.0
05/08/15	17:00:00	1686.6	0.0
05/08/15	18:00:00	1684.9	0.0
05/08/15	19:00:00	1806.3	0.0
05/08/15	20:00:00	1815.7	4.6
05/08/15	21:00:00	1827.0	9.0
05/08/15	22:00:00	1830.3	9.4
05/08/15	23:00:00	1832.5	9.5
05/09/15	00:00:00	1834.1	9.5
05/09/15	01:00:00	1835.3	9.5
05/09/15	02:00:00	1836.5	9.7
05/09/15	03:00:00	1837.1	9.6
05/09/15	04:00:00	1837.9	9.6
05/09/15	05:00:00	1838.6	9.7
05/09/15	06:00:00	1839.0	9.6
05/09/15	07:00:00	1839.6	9.7
05/09/15	08:00:00	1839.3	9.3
05/09/15	09:00:00	1822.8	0.1
05/09/15	10:00:00	1821.8	0.0
05/09/15	11:00:00	1821.4	0.0
05/09/15	12:00:00	1821.1	0.0
05/09/15	13:00:00	1821.1	0.0
05/09/15	14:00:00	1821.1	0.0
05/09/15	15:00:00	1821.0	0.0
05/09/15	16:00:00	1820.8	0.0
05/09/15	17:00:00	1820.6	0.0
05/09/15	18:00:00	1820.5	0.0
05/09/15	19:00:00	1820.5	0.0
05/09/15	20:00:00	1820.2	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/09/15	21:00:00	1820.1	0.0
05/09/15	22:00:00	1820.1	0.0
05/09/15	23:00:00	1820.1	0.0
05/10/15	00:00:00	1820.1	0.0
05/10/15	01:00:00	1820.0	0.0
05/10/15	02:00:00	1819.9	0.0
05/10/15	03:00:00	1819.8	0.0
05/10/15	04:00:00	1819.8	0.0
05/10/15	05:00:00	1819.7	0.0
05/10/15	06:00:00	1819.6	0.0
05/10/15	07:00:00	1819.6	0.0
05/10/15	08:00:00	1819.6	0.0
05/10/15	09:00:00	1819.3	0.0
05/10/15	10:00:00	1819.3	0.0
05/10/15	11:00:00	1819.1	0.0
05/10/15	12:00:00	1818.9	0.0
05/10/15	13:00:00	1818.9	0.0
05/10/15	14:00:00	1819.0	0.0
05/10/15	15:00:00	1819.0	0.0
05/10/15	16:00:00	1818.9	0.0
05/10/15	17:00:00	1818.7	0.0
05/10/15	18:00:00	1818.6	0.0
05/10/15	19:00:00	1818.7	0.0
05/10/15	20:00:00	1818.5	0.0
05/10/15	21:00:00	1818.5	0.0
05/10/15	22:00:00	1818.5	0.0
05/10/15	23:00:00	1818.5	0.0
05/11/15	00:00:00	1818.5	0.0
05/11/15	01:00:00	1818.5	0.0
05/11/15	02:00:00	1818.5	0.0
05/11/15	03:00:00	1818.5	0.0
05/11/15	04:00:00	1818.4	0.0
05/11/15	05:00:00	1818.4	0.0
05/11/15	06:00:00	1818.3	0.0
05/11/15	07:00:00	1818.3	0.0
05/11/15	08:00:00	1818.3	0.0
05/11/15	09:00:00	1818.0	0.0
05/11/15	10:00:00	1818.0	0.0
05/11/15	11:00:00	1817.8	0.0
05/11/15	12:00:00	1817.8	0.0
05/11/15	13:00:00	1817.8	0.0
05/11/15	14:00:00	1817.9	0.0
05/11/15	15:00:00	1817.9	0.0
05/11/15	16:00:00	1817.8	0.0
05/11/15	17:00:00	1817.6	0.0
05/11/15	18:00:00	1817.6	0.0
05/11/15	19:00:00	1821.1	2.4
05/11/15	20:00:00	1834.5	8.9
05/11/15	21:00:00	1836.2	9.2
05/11/15	22:00:00	1837.6	9.3
05/11/15	23:00:00	1838.2	9.3
05/12/15	00:00:00	1839.4	9.6
05/12/15	01:00:00	1839.9	9.5
05/12/15	02:00:00	1840.4	9.5
05/12/15	03:00:00	1841.0	9.5
05/12/15	04:00:00	1841.6	9.6

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/12/15	05:00:00	1842.1	9.6
05/12/15	06:00:00	1842.4	9.5
05/12/15	07:00:00	1843.0	9.5
05/12/15	08:00:00	1843.4	9.5
05/12/15	09:00:00	1843.8	9.5
05/12/15	10:00:00	1844.6	9.5
05/12/15	11:00:00	1843.3	8.3
05/12/15	12:00:00	1827.2	0.0
05/12/15	13:00:00	1826.2	0.0
05/12/15	14:00:00	1819.0	0.0
05/12/15	15:00:00	1824.4	0.0
05/12/15	16:00:00	1805.3	0.0
05/12/15	17:00:00	1821.9	0.0
05/12/15	18:00:00	1737.9	0.0
05/12/15	19:00:00	1814.6	0.0
05/12/15	20:00:00	1643.6	0.0
05/12/15	21:00:00	1809.0	0.0
05/12/15	22:00:00	1829.6	7.1
05/12/15	23:00:00	1835.3	9.1
05/13/15	00:00:00	1838.1	9.6
05/13/15	01:00:00	1839.4	9.6
05/13/15	02:00:00	1840.5	9.6
05/13/15	03:00:00	1840.0	9.0
05/13/15	04:00:00	1832.8	6.0
05/13/15	05:00:00	1836.5	7.6
05/13/15	06:00:00	1836.7	7.6
05/13/15	07:00:00	1836.8	7.6
05/13/15	08:00:00	1837.1	7.6
05/13/15	09:00:00	1837.5	7.5
05/13/15	10:00:00	1838.0	7.5
05/13/15	11:00:00	1842.0	8.8
05/13/15	12:00:00	1837.2	5.3
05/13/15	13:00:00	1679.3	0.0
05/13/15	14:00:00	1646.9	0.0
05/13/15	15:00:00	1644.0	0.0
05/13/15	16:00:00	1644.2	0.0
05/13/15	17:00:00	1642.3	0.0
05/13/15	18:00:00	1809.0	0.0
05/13/15	19:00:00	1822.1	5.0
05/13/15	20:00:00	1832.1	9.4
05/13/15	21:00:00	1834.1	9.4
05/13/15	22:00:00	1835.7	9.5
05/13/15	23:00:00	1837.2	9.5
05/14/15	00:00:00	1838.4	9.5
05/14/15	01:00:00	1839.2	9.6
05/14/15	02:00:00	1839.7	9.5
05/14/15	03:00:00	1840.4	9.6
05/14/15	04:00:00	1840.8	9.5
05/14/15	05:00:00	1841.3	9.5
05/14/15	06:00:00	1841.7	9.6
05/14/15	07:00:00	1842.0	9.5
05/14/15	08:00:00	1842.4	9.4
05/14/15	09:00:00	1842.6	9.2
05/14/15	10:00:00	1843.4	9.3
05/14/15	11:00:00	1844.1	9.2
05/14/15	12:00:00	1836.4	4.7

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/14/15	13:00:00	1679.4	0.0
05/14/15	14:00:00	1554.5	0.0
05/14/15	15:00:00	1490.2	0.0
05/14/15	16:00:00	1484.6	0.0
05/14/15	17:00:00	1480.7	0.0
05/14/15	18:00:00	1795.9	0.0
05/14/15	19:00:00	1817.3	5.1
05/14/15	20:00:00	1827.2	9.3
05/14/15	21:00:00	1829.1	9.3
05/14/15	22:00:00	1831.0	9.4
05/14/15	23:00:00	1832.8	9.4
05/15/15	00:00:00	1834.3	9.5
05/15/15	01:00:00	1835.3	9.5
05/15/15	02:00:00	1836.1	9.5
05/15/15	03:00:00	1836.8	9.5
05/15/15	04:00:00	1837.4	9.5
05/15/15	05:00:00	1838.0	9.5
05/15/15	06:00:00	1838.6	9.6
05/15/15	07:00:00	1838.7	9.4
05/15/15	08:00:00	1839.3	9.4
05/15/15	09:00:00	1839.7	9.3
05/15/15	10:00:00	1840.5	9.2
05/15/15	11:00:00	1841.2	9.2
05/15/15	12:00:00	1833.7	4.8
05/15/15	13:00:00	1536.5	0.0
05/15/15	14:00:00	1500.5	0.0
05/15/15	15:00:00	1494.2	0.0
05/15/15	16:00:00	1478.3	0.0
05/15/15	17:00:00	1468.8	0.0
05/15/15	18:00:00	1792.0	0.0
05/15/15	19:00:00	1805.7	0.0
05/15/15	20:00:00	1806.6	0.0
05/15/15	21:00:00	1807.1	0.0
05/15/15	22:00:00	1807.7	0.0
05/15/15	23:00:00	1808.1	0.0
05/16/15	00:00:00	1808.4	0.0
05/16/15	01:00:00	1808.7	0.0
05/16/15	02:00:00	1809.1	0.0
05/16/15	03:00:00	1809.3	0.0
05/16/15	04:00:00	1809.5	0.0
05/16/15	05:00:00	1809.7	0.0
05/16/15	06:00:00	1809.9	0.0
05/16/15	07:00:00	1810.2	0.0
05/16/15	08:00:00	(3)	(3)
05/16/15	09:00:00	(3)	(3)
05/16/15	10:00:00	(3)	(3)
05/16/15	11:00:00	(3)	(3)
05/16/15	12:00:00	(3)	(3)
05/16/15	13:00:00	1810.9	0.0
05/16/15	14:00:00	1811.0	0.0
05/16/15	15:00:00	1811.2	0.0
05/16/15	16:00:00	1811.2	0.0
05/16/15	17:00:00	1811.1	0.0
05/16/15	18:00:00	1811.2	0.0
05/16/15	19:00:00	1811.4	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/16/15	20:00:00	1811.3	0.0
05/16/15	21:00:00	1811.4	0.0
05/16/15	22:00:00	1811.5	0.0
05/16/15	23:00:00	1811.6	0.0
05/17/15	00:00:00	1811.7	0.0
05/17/15	01:00:00	1811.7	0.0
05/17/15	02:00:00	1811.8	0.0
05/17/15	03:00:00	1811.9	0.0
05/17/15	04:00:00	1811.9	0.0
05/17/15	05:00:00	1811.9	0.0
05/17/15	06:00:00	1811.9	0.0
05/17/15	07:00:00	1812.0	0.0
05/17/15	08:00:00	1812.0	0.0
05/17/15	09:00:00	1812.0	0.0
05/17/15	10:00:00	1812.0	0.0
05/17/15	11:00:00	1812.0	0.0
05/17/15	12:00:00	1811.9	0.0
05/17/15	13:00:00	1811.8	0.0
05/17/15	14:00:00	1811.9	0.0
05/17/15	15:00:00	1812.0	0.0
05/17/15	16:00:00	1812.0	0.0
05/17/15	17:00:00	1811.8	0.0
05/17/15	18:00:00	1811.8	0.0
05/17/15	19:00:00	1811.8	0.0
05/17/15	20:00:00	1811.9	0.0
05/17/15	21:00:00	1811.9	0.0
05/17/15	22:00:00	1811.9	0.0
05/17/15	23:00:00	1812.0	0.0
05/18/15	00:00:00	1811.9	0.0
05/18/15	01:00:00	1812.0	0.0
05/18/15	02:00:00	1812.0	0.0
05/18/15	03:00:00	1811.9	0.0
05/18/15	04:00:00	1811.9	0.0
05/18/15	05:00:00	1811.9	0.0
05/18/15	06:00:00	1811.9	0.0
05/18/15	07:00:00	1812.0	0.0
05/18/15	08:00:00	1811.9	0.0
05/18/15	09:00:00	1811.8	0.0
05/18/15	10:00:00	1811.8	0.0
05/18/15	11:00:00	1811.7	0.0
05/18/15	12:00:00	1811.7	0.0
05/18/15	13:00:00	1811.6	0.0
05/18/15	14:00:00	1811.7	0.0
05/18/15	15:00:00	1811.8	0.0
05/18/15	16:00:00	1811.8	0.0
05/18/15	17:00:00	1811.6	0.0
05/18/15	18:00:00	1811.7	0.0
05/18/15	19:00:00	1811.7	0.0
05/18/15	20:00:00	1811.6	0.0
05/18/15	21:00:00	1811.5	0.0
05/18/15	22:00:00	1811.6	0.0
05/18/15	23:00:00	1811.7	0.0
05/19/15	00:00:00	1811.6	0.0
05/19/15	01:00:00	1811.7	0.0
05/19/15	02:00:00	1811.7	0.0
05/19/15	03:00:00	1811.6	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/19/15	04:00:00	1811.6	0.0
05/19/15	05:00:00	1811.6	0.0
05/19/15	06:00:00	1811.6	0.0
05/19/15	07:00:00	1811.7	0.0
05/19/15	08:00:00	1811.6	0.0
05/19/15	09:00:00	1811.4	0.0
05/19/15	10:00:00	1811.4	0.0
05/19/15	11:00:00	1811.3	0.0
05/19/15	12:00:00	1811.2	0.0
05/19/15	13:00:00	1811.2	0.0
05/19/15	14:00:00	1811.3	0.0
05/19/15	15:00:00	1811.4	0.0
05/19/15	16:00:00	1811.4	0.0
05/19/15	17:00:00	1811.2	0.0
05/19/15	18:00:00	1811.2	0.0
05/19/15	19:00:00	1811.3	0.0
05/19/15	20:00:00	1811.1	0.0
05/19/15	21:00:00	1811.1	0.0
05/19/15	22:00:00	1811.2	0.0
05/19/15	23:00:00	1811.2	0.0
05/20/15	00:00:00	1811.2	0.0
05/20/15	01:00:00	1811.2	0.0
05/20/15	02:00:00	1811.2	0.0
05/20/15	03:00:00	1811.2	0.0
05/20/15	04:00:00	1811.2	0.0
05/20/15	05:00:00	1811.2	0.0
05/20/15	06:00:00	1811.2	0.0
05/20/15	07:00:00	1811.2	0.0
05/20/15	08:00:00	1811.2	0.0
05/20/15	09:00:00	1810.9	0.0
05/20/15	10:00:00	1811.0	0.0
05/20/15	11:00:00	1810.9	0.0
05/20/15	12:00:00	1810.8	0.0
05/20/15	13:00:00	1810.8	0.0
05/20/15	14:00:00	1810.9	0.0
05/20/15	15:00:00	1811.0	0.0
05/20/15	16:00:00	1810.9	0.0
05/20/15	17:00:00	1810.8	0.0
05/20/15	18:00:00	1810.8	0.0
05/20/15	19:00:00	1810.9	0.0
05/20/15	20:00:00	1810.7	0.0
05/20/15	21:00:00	1810.7	0.0
05/20/15	22:00:00	1810.8	0.0
05/20/15	23:00:00	1810.8	0.0
05/21/15	00:00:00	1810.8	0.0
05/21/15	01:00:00	1810.8	0.0
05/21/15	02:00:00	1810.8	0.0
05/21/15	03:00:00	1810.7	0.0
05/21/15	04:00:00	1810.7	0.0
05/21/15	05:00:00	1810.8	0.0
05/21/15	06:00:00	1810.7	0.0
05/21/15	07:00:00	1810.7	0.0
05/21/15	08:00:00	1812.8	3.1
05/21/15	09:00:00	1813.3	6.8
05/21/15	10:00:00	1826.8	10.6
05/21/15	11:00:00	1828.5	10.9

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/21/15	12:00:00	1818.0	5.9
05/21/15	13:00:00	1803.6	0.0
05/21/15	14:00:00	1803.2	0.0
05/21/15	15:00:00	1802.9	0.0
05/21/15	16:00:00	1802.9	0.0
05/21/15	17:00:00	1802.6	0.0
05/21/15	18:00:00	1802.5	0.0
05/21/15	19:00:00	1822.7	8.8
05/21/15	20:00:00	1830.1	11.1
05/21/15	21:00:00	1831.3	11.2
05/21/15	22:00:00	1831.4	11.1
05/21/15	23:00:00	1829.5	10.2
05/22/15	00:00:00	1822.9	7.6
05/22/15	01:00:00	1832.2	11.0
05/22/15	02:00:00	1832.9	11.1
05/22/15	03:00:00	1833.4	11.0
05/22/15	04:00:00	1833.4	10.9
05/22/15	05:00:00	1833.7	10.9
05/22/15	06:00:00	1834.0	10.9
05/22/15	07:00:00	1834.4	10.8
05/22/15	08:00:00	1831.9	9.9
05/22/15	09:00:00	1835.6	10.8
05/22/15	10:00:00	1836.2	10.8
05/22/15	11:00:00	1836.8	10.7
05/22/15	12:00:00	1826.2	5.4
05/22/15	13:00:00	1813.4	0.0
05/22/15	14:00:00	1812.6	0.0
05/22/15	15:00:00	1812.1	0.0
05/22/15	16:00:00	1811.6	0.0
05/22/15	17:00:00	1811.1	0.0
05/22/15	18:00:00	1810.7	0.0
05/22/15	19:00:00	1827.9	8.3
05/22/15	20:00:00	1836.1	11.0
05/22/15	21:00:00	1837.2	11.0
05/22/15	22:00:00	1838.1	11.1
05/22/15	23:00:00	1838.6	11.1
05/23/15	00:00:00	1839.2	11.2
05/23/15	01:00:00	1839.2	11.1
05/23/15	02:00:00	1839.6	11.1
05/23/15	03:00:00	1839.9	11.1
05/23/15	04:00:00	1831.1	7.8
05/23/15	05:00:00	1840.0	11.0
05/23/15	06:00:00	1840.3	11.0
05/23/15	07:00:00	1840.8	11.0
05/23/15	08:00:00	1841.1	11.0
05/23/15	09:00:00	1841.5	10.9
05/23/15	10:00:00	1842.0	10.9
05/23/15	11:00:00	1842.6	10.8
05/23/15	12:00:00	1843.2	10.8
05/23/15	13:00:00	1844.3	10.9
05/23/15	14:00:00	1845.0	10.9
05/23/15	15:00:00	1845.7	10.8
05/23/15	16:00:00	1846.3	10.8
05/23/15	17:00:00	1846.9	10.7
05/23/15	18:00:00	1847.3	10.7
05/23/15	19:00:00	1848.2	10.8

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/23/15	20:00:00	1848.5	10.8
05/23/15	21:00:00	1848.9	10.9
05/23/15	22:00:00	1849.3	10.9
05/23/15	23:00:00	1849.4	10.9
05/24/15	00:00:00	1849.5	11.0
05/24/15	01:00:00	1849.5	11.0
05/24/15	02:00:00	1849.6	11.0
05/24/15	03:00:00	1849.6	11.0
05/24/15	04:00:00	1849.6	11.0
05/24/15	05:00:00	1849.7	11.0
05/24/15	06:00:00	1849.8	11.0
05/24/15	07:00:00	1850.0	11.0
05/24/15	08:00:00	1850.0	10.9
05/24/15	09:00:00	1850.8	11.0
05/24/15	10:00:00	1852.0	11.1
05/24/15	11:00:00	1852.6	11.1
05/24/15	12:00:00	1853.0	11.0
05/24/15	13:00:00	1853.7	11.0
05/24/15	14:00:00	1854.4	10.9
05/24/15	15:00:00	1855.4	10.9
05/24/15	16:00:00	1856.2	10.9
05/24/15	17:00:00	1856.9	11.0
05/24/15	18:00:00	1857.7	11.0
05/24/15	19:00:00	1858.1	11.0
05/24/15	20:00:00	1858.5	11.2
05/24/15	21:00:00	1858.5	11.2
05/24/15	22:00:00	1858.6	11.3
05/24/15	23:00:00	1858.4	11.3
05/25/15	00:00:00	1858.3	11.3
05/25/15	01:00:00	1858.2	11.4
05/25/15	02:00:00	1858.3	11.4
05/25/15	03:00:00	1858.3	11.4
05/25/15	04:00:00	1858.3	11.4
05/25/15	05:00:00	1858.3	11.4
05/25/15	06:00:00	1854.7	10.3
05/25/15	07:00:00	1857.9	11.3
05/25/15	08:00:00	1858.2	11.3
05/25/15	09:00:00	1857.3	10.9
05/25/15	10:00:00	1857.7	10.9
05/25/15	11:00:00	1859.3	11.2
05/25/15	12:00:00	1859.5	11.1
05/25/15	13:00:00	1858.3	10.6
05/25/15	14:00:00	1855.7	9.7
05/25/15	15:00:00	1861.1	11.0
05/25/15	16:00:00	1861.7	11.0
05/25/15	17:00:00	1862.3	11.0
05/25/15	18:00:00	1862.8	11.0
05/25/15	19:00:00	1863.6	11.1
05/25/15	20:00:00	1863.9	11.2
05/25/15	21:00:00	1858.2	9.1
05/25/15	22:00:00	1845.1	5.1
05/25/15	23:00:00	1848.6	7.1
05/26/15	00:00:00	1849.2	7.4
05/26/15	01:00:00	1856.1	9.7
05/26/15	02:00:00	1856.3	9.7
05/26/15	03:00:00	1856.3	9.7

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/26/15	04:00:00	1856.3	9.7
05/26/15	05:00:00	1862.0	11.3
05/26/15	06:00:00	1862.8	11.4
05/26/15	07:00:00	1862.9	11.3
05/26/15	08:00:00	1863.1	11.3
05/26/15	09:00:00	1863.7	11.4
05/26/15	10:00:00	1863.9	11.3
05/26/15	11:00:00	1864.2	11.2
05/26/15	12:00:00	1856.9	7.8
05/26/15	13:00:00	1838.0	0.0
05/26/15	14:00:00	1836.8	0.0
05/26/15	15:00:00	1836.1	0.0
05/26/15	16:00:00	1835.3	0.0
05/26/15	17:00:00	1834.5	0.0
05/26/15	18:00:00	1834.0	0.0
05/26/15	19:00:00	1833.5	0.0
05/26/15	20:00:00	1857.9	10.6
05/26/15	21:00:00	1861.5	11.5
05/26/15	22:00:00	1862.3	11.5
05/26/15	23:00:00	1862.9	11.6
05/27/15	00:00:00	1862.9	11.5
05/27/15	01:00:00	1863.0	11.4
05/27/15	02:00:00	1862.2	11.2
05/27/15	03:00:00	1863.1	11.3
05/27/15	04:00:00	1863.1	11.3
05/27/15	05:00:00	1863.5	11.3
05/27/15	06:00:00	1859.7	10.2
05/27/15	07:00:00	1864.9	11.6
05/27/15	08:00:00	1865.4	11.6
05/27/15	09:00:00	1862.7	10.7
05/27/15	10:00:00	1866.6	11.6
05/27/15	11:00:00	1867.4	11.6
05/27/15	12:00:00	1863.7	9.6
05/27/15	13:00:00	1839.9	0.0
05/27/15	14:00:00	1838.9	0.0
05/27/15	15:00:00	1838.2	0.0
05/27/15	16:00:00	1837.4	0.0
05/27/15	17:00:00	1836.8	0.0
05/27/15	18:00:00	1836.2	0.0
05/27/15	19:00:00	1857.0	9.2
05/27/15	20:00:00	1864.8	11.5
05/27/15	21:00:00	1866.0	11.6
05/27/15	22:00:00	1866.8	11.6
05/27/15	23:00:00	1867.5	11.7
05/28/15	00:00:00	1867.1	11.5
05/28/15	01:00:00	1867.9	11.7
05/28/15	02:00:00	1868.3	11.7
05/28/15	03:00:00	1868.5	11.7
05/28/15	04:00:00	1868.5	11.7
05/28/15	05:00:00	1868.7	11.8
05/28/15	06:00:00	1868.8	11.8
05/28/15	07:00:00	1869.0	11.7
05/28/15	08:00:00	1869.4	11.7
05/28/15	09:00:00	1869.9	11.7
05/28/15	10:00:00	1870.6	11.6
05/28/15	11:00:00	1871.2	11.5

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/28/15	12:00:00	1863.3	7.7
05/28/15	13:00:00	1843.6	0.0
05/28/15	14:00:00	1842.3	0.0
05/28/15	15:00:00	1841.5	0.0
05/28/15	16:00:00	1841.0	0.0
05/28/15	17:00:00	1840.3	0.0
05/28/15	18:00:00	1839.7	0.0
05/28/15	19:00:00	1860.5	9.1
05/28/15	20:00:00	1868.5	11.3
05/28/15	21:00:00	1870.1	11.5
05/28/15	22:00:00	1871.0	11.5
05/28/15	23:00:00	1871.8	11.6
05/29/15	00:00:00	1872.4	11.7
05/29/15	01:00:00	1872.5	11.7
05/29/15	02:00:00	1872.5	11.7
05/29/15	03:00:00	1872.5	11.7
05/29/15	04:00:00	1872.6	11.7
05/29/15	05:00:00	1872.8	11.7
05/29/15	06:00:00	1872.8	11.7
05/29/15	07:00:00	1873.0	11.7
05/29/15	08:00:00	1873.3	11.7
05/29/15	09:00:00	1873.6	11.6
05/29/15	10:00:00	1874.4	11.6
05/29/15	11:00:00	1874.5	11.3
05/29/15	12:00:00	1866.7	7.6
05/29/15	13:00:00	1847.2	0.0
05/29/15	14:00:00	1845.9	0.0
05/29/15	15:00:00	1845.2	0.0
05/29/15	16:00:00	1844.3	0.0
05/29/15	17:00:00	1843.7	0.0
05/29/15	18:00:00	1843.2	0.0
05/29/15	19:00:00	1862.6	8.5
05/29/15	20:00:00	1872.2	11.3
05/29/15	21:00:00	1873.8	11.5
05/29/15	22:00:00	1874.9	11.5
05/29/15	23:00:00	1874.6	11.4
05/30/15	00:00:00	1876.3	11.7
05/30/15	01:00:00	1874.8	11.3
05/30/15	02:00:00	1873.7	11.0
05/30/15	03:00:00	1848.4	0.1
05/30/15	04:00:00	1846.5	0.0
05/30/15	05:00:00	1845.8 (4)	0.0 (4)
05/30/15	06:00:00	1845.3 (4)	0.0 (4)
05/30/15	07:00:00	1844.5	0.0
05/30/15	08:00:00	1844.0	0.0
05/30/15	09:00:00	1843.4	0.0
05/30/15	10:00:00	1843.0	0.0
05/30/15	11:00:00	1842.5	0.0
05/30/15	12:00:00	1834.0	0.0
05/30/15	13:00:00	1840.8	0.0
05/30/15	14:00:00	1817.5	0.0
05/30/15	15:00:00	1839.1	0.0
05/30/15	16:00:00	1753.7	0.0
05/30/15	17:00:00	1834.4	0.0
05/30/15	18:00:00	1656.7	0.0
05/30/15	19:00:00	1830.3	0.0

Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/30/15	20:00:00	1737.6	0.0
05/30/15	21:00:00	1580.4	0.0
05/30/15	22:00:00	1635.0	0.0
05/30/15	23:00:00	1634.8	0.0
05/31/15	00:00:00	1631.9	0.0
05/31/15	01:00:00	1626.0	0.0
05/31/15	02:00:00	1624.7	0.0
05/31/15	03:00:00	1623.4	0.0
05/31/15	04:00:00	1621.5	0.0
05/31/15	05:00:00	1618.9	0.0
05/31/15	06:00:00	1605.2	0.0
05/31/15	07:00:00	1603.9	0.0
05/31/15	08:00:00	1601.9	0.0
05/31/15	09:00:00	1599.6	0.0
05/31/15	10:00:00	1597.0	0.0
05/31/15	11:00:00	1595.1	0.0
05/31/15	12:00:00	1592.9	0.0
05/31/15	13:00:00	1592.1	0.0
05/31/15	14:00:00	1591.0	0.0
05/31/15	15:00:00	1589.8	0.0
05/31/15	16:00:00	1588.7	0.0
05/31/15	17:00:00	1587.5	0.0
05/31/15	18:00:00	1586.4	0.0
05/31/15	19:00:00	1584.9	0.0
05/31/15	20:00:00	1583.8	0.0
05/31/15	21:00:00	1582.8	0.0
05/31/15	22:00:00	1585.2	0.0
05/31/15	23:00:00	1592.6	0.0
06/01/15	00:00:00	1577.9	0.0

Notes:

1) Data are missing on 3/08/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
2) Data are missing on 4/03/15 at 08:00:00 hours because the DAS data recording system was down. No data was being recorded during this period.
3) Data are missing on 5/16/15 from 08:00:00 hours to 12:00:00 hours due to an accidental shutdown of the data acquisition program.
4) Data are missing on 5/30/15 from 05:38 hours to 06:48 hours due to site power being out. Data indicated for 05:00:00 hours and 06:00:00 are only partial due to the timing of the power outage.

ATTACHMENT 2

Wellhead Tubing and Casing Annulus Data for Piacentine 1-27 Well

Attachment 2 - Continuous Monitoring Device Data for Piacentine 1-27 - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min)	Number of Data Points	Piacentine 1-27 Well											
						PIT-016A (PSIG) Tubing Pressure			PIT-016B (PSIG) Annulus Pressure			TIT-016A (°F) Tubing Temperature			TIT-016B (°F) Annulus Temperature		
						Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150113	01/13/15	14:23:01	23:59:56	09:36:55	6863	0.0	-0.6	0.4	-0.6	-1.0	-0.1						
CAES150114	01/14/15	00:00:01	23:59:56	23:59:55	14498	0.1	-0.5	0.4	-0.8	-1.0	-0.1	70.7	-35.3	73.8	72.1	69.9	72.1
CAES150115	01/15/15	00:00:01	23:59:56	23:59:55	17280	0.3	0.2	0.3	-1.0	-1.0	-0.9	73.8	73.8	73.8	72.1	72.1	72.1
CAES150116	01/16/15	00:00:01	09:52:26	09:52:25	7110	0.3	0.2	0.4	-1.0	-1.0	-0.9	73.8	73.8	73.8	72.1	72.1	72.1
	01/17/15					-14.7	-14.7	-14.7	-14.7	-14.7	-14.7						
	01/18/15					-14.7	-14.7	-14.7	-14.7	-14.7	-14.7						
CAES150119	01/19/15	10:59:06	23:59:56	13:00:50	9215	0.2	0.1	0.3	-1.0	-1.0	-0.9	73.8	73.8	73.8	72.1	72.1	72.1
CAES150120	01/20/15	00:00:01	23:59:56	23:59:55	17277	0.2	0.1	0.3	-0.7	-1.0	-0.1	53.9	12.6	73.8	53.3	14.5	72.1
CAES150121	01/21/15	00:00:01	23:59:56	23:59:55	16971	0.2	-0.5	0.5	985.9	-0.2	2988.5	49.4	12.6	124.3	49.4	14.5	120.4
CAES150122	01/22/15	00:00:00	23:59:55	23:59:55	17247	-1.1	-14.7	764.4	2667.8	-14.7	2992.4	122.9	0.0	124.4	119.1	0.0	120.5
CAES150123	01/23/15	00:00:00	23:59:55	23:59:55	17241	1.3	-0.2	3.1	1133.8	-0.7	2988.3	47.2	0.0	124.3	45.8	0.0	120.4
CAES150124	01/24/15	00:00:00	07:28:10	07:28:10	5379	2.2	2.1	2.9	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CAES150125	01/25/15					0.0	0.0	0.0	0.0	0.0	0.0						
CAES150126	01/26/15	08:28:45	23:59:55	15:31:10	11175	2.4	1.3	3.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CAES150127	01/27/15	00:00:00	16:59:00	16:59:00	12229	777.7	2.1	1686.5	3.9	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0
CAES150128	01/28/15					0.0	0.0	0.0	0.0	0.0	0.0						
CAES150129	01/29/15	07:46:05	23:59:55	16:13:50	11215	1678.6	1676.0	1681.7	17.8	16.8	19.2	62.8	51.8	76.5	60.2	55.3	67.0
CAES150130	01/30/15	00:00:00	16:40:50	16:40:50	11837	1682.6	1676.8	1686.5	17.1	15.4	18.5	54.3	39.1	77.1	56.7	50.0	67.4
CAES150131	01/31/15	15:36:35	23:59:55	08:23:20	6035	1663.5	1656.2	1666.6	111.1	19.1	2988.3	63.1	51.8	81.9	60.4	55.9	70.0
CAES150201	02/01/15	00:00:00	23:59:55	23:59:55	17280	1617.0	1577.9	1656.3	19.5	19.1	20.6	58.2	48.3	75.2	58.3	53.3	66.0
CAES150202	02/02/15	00:00:00	23:59:55	23:59:55	15827	1542.0	1504.5	1578.0	19.6	19.1	20.8	57.7	48.9	73.5	58.1	53.8	65.2
CAES150203	02/03/15	00:00:00	23:59:55	23:59:55	17280	1520.9	1473.0	1608.0	19.1	17.6	20.6	61.6	51.5	80.6	60.2	55.4	69.8
CAES150204	02/04/15	00:00:00	23:59:55	23:59:55	17280	1667.2	1608.0	1686.4	18.8	18.1	19.9	53.4	42.3	68.7	55.6	50.7	62.5
CAES150205	02/05/15	00:00:00	23:59:55	23:59:55	17207	1686.3	1686.2	1686.5	19.6	19.2	20.1	50.3	43.3	58.2	53.6	50.3	56.9
CAES150206	02/06/15	00:00:00	23:59:55	23:59:55	16349	1686.3	1686.2	1686.4	20.6	19.9	21.4	57.1	49.1	65.0	56.3	53.0	59.9
CAES150207	02/07/15	00:00:00	23:59:55	23:59:55	17280	1686.3	1686.2	1688.6	21.5	20.5	23.5	61.1	55.9	71.2	59.1	55.9	64.4
CAES150208	02/08/15	00:00:00	23:59:55	23:59:55	17280	1686.3	1686.2	1687.1	22.0	21.3	22.8	60.0	56.3	64.9	59.1	57.2	60.9
CAES150209	02/09/15	00:00:00	23:59:55	23:59:55	17280	1686.5	1686.2	1687.1	22.4	22.0	23.5	64.1	48.4	81.9	60.2	54.0	69.8
CAES150210	02/10/15	00:00:00	23:59:55	23:59:55	17268	1686.9	1686.2	1689.0	43.2	0.0	86.2	55.1	41.9	73.2	55.9	49.6	65.1
CAES150211	02/11/15	00:00:00	23:59:55	23:59:55	17280	1687.5	1686.8	1687.9	84.1	82.8	85.3	57.5	38.5	81.7	56.7	47.3	69.3
CAES150212	02/12/15	00:00:00	23:59:55	23:59:55	17280	1687.7	1686.8	1688.4	83.0	82.0	84.6	62.4	42.9	88.7	59.4	49.9	74.1
CAES150213	02/13/15	00:00:00	23:59:55	23:59:55	17280	1688.0	1686.8	1689.9	81.9	80.6	83.0	62.9	43.5	90.7	60.4	50.9	75.9
CAES150214	02/14/15	00:00:00	23:59:55	23:59:55	16079	1692.0	1687.7	1700.1	80.9	79.9	82.4	63.6	43.3	90.8	61.0	51.0	76.4
CAES150215	02/15/15	00:00:00	23:59:55	23:59:55	17280	1701.5	1697.9	1703.1	80.1	79.3	81.6	62.4	44.5	86.7	60.3	51.6	73.0
CAES150216	02/16/15	00:00:00	23:59:55	23:59:55	17280	1704.0	1702.9	1705.4	79.1	77.9	80.1	63.3	43.8	89.6	61.0	51.2	76.0
CAES150217	02/17/15	00:00:00	23:59:55	23:59:55	17280	1698.9	1693.5	1706.7	77.9	77.1	78.7	57.5	47.0	77.2	58.3	53.5	70.5
CAES150218	02/18/15	00:00:00	23:59:55	23:59:55	17198	1693.3	1692.0	1697.2	76.8	75.8	78.0	58.1	45.2	77.4	57.2	50.9	68.2
CAES150219	02/19/15	00:00:00	23:59:55	23:59:55	17243	1701.4	1694.1	1705.3	75.9	75.7	76.4	53.2	46.5	58.5	55.4	52.6	58.0
CAES150220	02/20/15	00:00:00	23:59:55	23:59:55	16689	1703.5	1697.9	1706.2	75.3	74.2	76.4	58.5	48.5	78.8	58.3	53.2	70.5
CAES150221	02/21/15	00:00:00	23:59:55	23:59:55	17280	1707.4	1705.2	1708.4	74.5	73.4	75.0	55.6	46.5	75.1	56.6	52.6	68.1
CAES150222	02/22/15	00:00:00	23:59:55	23:59:55	17280	1708.9	1708.1	1710.5	73.9	72.8	74.9	56.1	43.6	74.4	56.6	49.6	69.5
CAES150223	02/23/15	00:00:00	23:59:55	23:59:55	17280	1712.4	1709.6	1717.7	73.1	72.0	74.3	54.3	40.3	75.6	54.8	46.6	69.2
CAES150224	02/24/15	00:00:00	23:59:55	23:59:55	17280	1720.9	1717.0	1726.7	72.5	71.3	74.3	55.3	32.8	86.7	55.0	43.1	73.2
CAES150225	02/25/15	00:00:00	23:59:55	23:59:55	17280	1724.8	1715.6	1728.8	72.3	71.3	73.6	55.7	34.9	80.0	55.9	45.1	70.9
CAES150226	02/26/15	00:00:00	23:59:55	23:59:55	17280	1729.8	1721.3	1733.2	72.0	71.2	73.5	58.9	39.7	82.9	58.6	48.0	74.7
CAES150227	02/27/15	00:00:00	23:59:55	23:59:55	17274	1735.7	1732.3	1739.0	71.8	70.5	73.0	60.1	50.2	75.9	59.5	53.3	72.5
CAES150228	02/28/15	00:00:00	23:59:55	23:59:55	17280	1741.0	1738.3	1744.1	71.2	70.5	72.0	57.0	46.6	76.6	57.3	51.4	70.2
CAES150301	03/01/15	00:00:00	23:59:55	23:59:55	17280	1743.3	1740.3	1747.0	71.0	69.7	72.9	58.4	38.9	84.4	57.9	47.8	74.1
CAES150302	03/02/15	00:00:00	23:59:55	23:59:55	17280	1748.3	1746.4	1750.8	70.6	69.6	72.0	55.2	44.7	79.1	56.6	50.5	70.4
CAES150303	03/03/15	00:00:00	23:59:55	23:59:55	17280	1745.0	1736.9	1752.1	70.2	69.1	71.3	55.7	38.4	78.9	56.9	46.9	72.7
CAES150304	03/04/15	00:00:00	23:59:55	23:59:55	17280	1751.9	1746.9	1755.1	70.2	69.1	71.3	59.7	37.0	87.4	58.3	46.7	75.5
CAES150305	03/05/15	00:00:00	23:59:55	23:59:55	17280	1757.1	1755.0	1759.7	70.1	69.1	71.3	60.9	37.0	89.8	59.3	47.3	77.2
CAES150306	03/06/15	00:00:00	23:59:55	23:59:55	17280	1761.0	1758.7	1763.1	70.0	69.2	71.3	62.0	38.9	90.0	60.6	48.8	78.8
CAES150307	03/07/15	00:00:00	23:59:55	23:59:55	17280	1764.3	1762.4	1766.1	70.0	69.1	71.4	66.3	42.0	96.7	62.6	50.4	80.8
CAES150308	03/08/15	00:00:00	23:59:55	23:59:55	16560	1767.5	1765.4	1769.1	70.0	69.0	71.3	66.0	42.9	93.2	63.5	51.3	81.3
CAES150309	03/09/15	00:00:00	23:59:55	23:59:55	17280	1770.5	1769.1	1772.0	70.0	69.1	71.3	68.2	45.1	97.0	64.6	52.8	82.1
CAES150310	03/10/15	00:00:00	23:59:55	23:59:55	17280	1772.8	1771.1	1775.7	69.8	69.1	71.7	64.0	46.4	87.0	63.0	53.9	74.1
CAES150311	03/11/15	00:00:00	23:59:55	23:59:55	17280	1776.4	1773.4	1777.9	69.4	69.1	70.6	60.2	54.2	71.6	60.2	57.2	65.1
CAES150312	03/12/15	00:00:00	23:59:55	23:59:55	17280	1779.4	1777.6	1782.3	69.5	68.2	70.6	64.6	46.7	86.1	62.7	52.4	76.9
CAES150313	03/13/15	00:00:00	23:59:55	23:59:55	17280	1782.5	1778.5	1785.9	69.7	68.3	71.3	70.6	50.2	96.3	66.3	55.4	81.8
CAES150314	03/14/15	00:00:00	23:59:55	23:59:55	17069	1785.7	1782.7	1788.2	70.0	69.1	71.4	74.5	55.2	98.8	69.6	59.3	86.1
CAES150315	03/15/15	00:00:00	23:59:55	23:59:55	17280	1784.5	1781.3	1785.9	69.8	69.1	71.3	70.1	57.0	89.9	67.9	60.2	79.9
CAES150316	03/16/15	00:00:00	23:59:55	23:59:55	17280	1787.3	1784.2	1790.9	69.4	68.2	70.6	63.5	51.5	82.8	63.5	56.6	74.1
CAES150317	03/17/15	00:00:00	23:59:55	23:59:55	17280	1793.5	1790.8	1795.6	69.6	68.3	70.7	67.5	54.3	87.2	66.2	58.1	81.3
CAES150318	03/18/15	00:00:00	23:59:55	23:59:55	17280	1794.9	1793.8	1796.8	69.4	68.2	70.6	66.7	47.6	90.4	65.4	54.6	82.6
CAES150319	03/19/15	00:00:00	23:59:55	23:59:55	17280	1794.4	1792.3	1795.4	69.5	68.2	71.4	70.0	46.5	97.3	66.7	54.4	85.4
CAES150320	03/20/15	00:00:00	23:59:55	23:59:55	17238	1796.1	1793.8	1797.5	69.2	68.2	70.7	63.4	46.2	83.8	63.7	54.9	75.9
CAES150321	03/21/15	00:00:00	23:59:55	23:59:55	17280	1798.7	1797.4	1799.9	69.4	68.2	70.6	68.2	51.5	90.2	66.1	56.5	79.8
CAES150322	03/22/15	00:00:00	23:59:55	23:59:55	17280	1800.9	1799.7	1802.0	69.4	68.2	70.6	65.1	53.5	82.5	64.9	58.3	76.1
CAES150323	03/23/15	00:00:00	23:59:55	23:59:55	17280	1802.7	1801.9	1804.2	69.2	68.2	69.7	63.1	49.9	82.0	63.5	55.9	77.9
CAES150324	03/24/15	00:00:00	23:59:55	23:59:55	17280	1804.6	1803.3	1805.6	69.0	68.1	70.5	62.8	51.0	80.7	63.0	55.5	74.3
CAES150325	03/25/15	00:00:00	23:59:55	23:59:55	17280	1802.7	1797.5	1806.5	69.2	68.2	70.6	70.0	49.5	96.3	66.6	55.2	84.5

Attachment 2 - Continuous Monitoring Device Data for Piacentine 1-27 - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min)	Number of Data Points	Piacentine 1-27 Well											
						PIT-016A (PSIG) Tubing Pressure			PIT-016B (PSIG) Annulus Pressure			TIT-016A (°F) Tubing Temperature			TIT-016B (°F) Annulus Temperature		
						Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150326	03/26/15	00:00:00	23:59:55	23:59:55	17280	1810.3	1804.1	1814.5	69.7	68.2	71.3	75.1	49.7	106.3	70.0	56.8	88.9
CAES150327	03/27/15	00:00:00	23:59:55	23:59:55	17280	1817.3	1814.4	1820.2	70.0	69.1	71.4	72.2	53.0	96.2	70.4	59.6	87.8
CAES150328	03/28/15	00:00:00	23:59:55	23:59:55	17280	1821.6	1819.4	1823.9	69.8	69.1	71.4	70.4	51.8	96.1	69.1	57.9	88.2
CAES150329	03/29/15	00:00:00	23:59:55	23:59:55	17280	1822.0	1821.0	1823.3	70.0	68.2	71.4	72.7	48.2	100.0	70.2	56.4	90.2
CAES150330	03/30/15	00:00:00	23:59:55	23:59:55	17280	1726.2	(1)	1827.5	70.0	68.2	71.3	69.7	47.8	97.4	69.0	56.8	86.9
CAES150331	03/31/15	00:00:00	23:59:55	23:59:55	17280	1827.1	1826.0	1828.4	69.9	69.1	70.6	66.7	54.7	83.3	67.0	58.6	80.6
CAES150401	04/01/15	00:00:00	23:59:55	23:59:55	17280	1821.8	1814.4	1829.2	69.3	68.1	70.6	61.3	43.8	82.1	63.0	52.9	78.5
CAES150402	04/02/15	00:00:00	23:59:55	23:59:55	17280	1811.0	1808.6	1814.5	69.1	67.9	70.6	63.0	48.4	83.0	64.0	53.6	80.8
CAES150403	04/03/15	00:00:00	23:59:55	23:59:55	16140	1813.4	1806.5	1822.5	69.5	67.9	71.3	65.3	43.6	91.1	65.5	52.8	84.1
CAES150404	04/04/15	00:00:00	23:59:55	23:59:55	17280	1274.8	(2)	1826.2	69.7	68.2	72.1	60.4	42.8	84.2	62.4	52.7	78.2
CAES150405	04/05/15	00:00:00	23:59:55	23:59:55	17280	1824.7	1822.4	1826.9	69.3	68.2	70.6	55.3	46.1	67.2	57.9	53.3	65.4
CAES150406	04/06/15	00:00:00	23:59:55	23:59:55	17280	1828.3	1826.0	1829.9	69.2	68.2	70.7	57.2	38.0	76.4	58.7	48.1	71.3
CAES150407	04/07/15	00:00:00	23:59:55	23:59:55	17280	1831.2	1829.8	1832.7	68.9	68.2	69.8	52.4	46.0	66.0	54.2	49.6	62.2
CAES150408	04/08/15	00:00:00	23:59:55	23:59:55	17280	1834.1	1832.6	1835.8	69.0	68.2	70.7	57.0	41.2	79.3	57.3	48.7	72.1
CAES150409	04/09/15	00:00:00	23:59:55	23:59:55	17280	1837.1	1835.7	1838.6	69.5	68.2	70.7	62.9	40.1	89.0	61.0	49.6	77.3
CAES150410	04/10/15	00:00:00	23:59:55	23:59:55	17280	1837.3	1837.0	1837.9	70.0	69.1	71.4	65.1	44.4	89.9	63.7	52.7	80.5
CAES150411	04/11/15	00:00:00	23:59:55	23:59:55	17280	1838.3	1837.1	1839.3	70.1	69.1	71.3	65.7	46.0	91.6	64.5	53.6	81.7
CAES150412	04/12/15	00:00:00	23:59:55	23:59:55	17280	1839.1	1837.1	1840.1	70.4	69.1	72.0	70.0	48.0	95.9	67.0	54.5	85.0
CAES150413	04/13/15	00:00:00	23:59:55	23:59:55	17280	1840.7	1839.2	1842.2	70.6	69.1	72.0	65.9	47.5	85.9	65.8	55.6	80.5
CAES150414	04/14/15	00:00:00	23:59:55	23:59:55	17280	1843.9	1841.4	1846.7	70.5	69.2	72.0	61.4	44.7	78.7	62.1	52.1	76.3
CAES150415	04/15/15	00:00:00	23:59:55	23:59:55	17280	1848.5	1845.9	1850.3	71.0	69.6	72.8	64.7	46.7	86.8	63.8	52.4	80.8
CAES150416	04/16/15	00:00:00	23:59:55	23:59:55	17280	1847.9	1840.0	1852.0	71.8	69.8	73.4	71.1	43.8	99.5	67.4	52.6	87.1
CAES150417	04/17/15	00:00:00	23:59:55	23:59:55	17280	1836.0	1832.7	1840.1	72.5	70.9	74.3	73.2	47.2	100.1	70.0	55.8	89.0
CAES150418	04/18/15	00:00:00	23:59:55	23:59:55	14138	1835.2	1831.2	1840.2	73.5	71.8	74.9	74.5	50.4	103.9	71.1	58.1	90.3
CAES150419	04/19/15	00:00:00	23:59:55	23:59:55	17280	1842.9	1840.0	1845.2	74.3	72.8	75.8	72.3	52.5	101.2	70.8	59.4	89.7
CAES150420	04/20/15	00:00:00	23:59:55	23:59:55	17280	1846.6	1844.4	1849.6	74.9	73.4	76.4	66.0	51.9	86.1	67.0	57.7	82.4
CAES150421	04/21/15	00:00:00	23:59:55	23:59:55	17280	1850.7	1848.7	1852.5	75.6	74.3	77.3	64.1	51.6	82.4	65.0	56.5	78.2
CAES150422	04/22/15	00:00:00	23:59:55	23:59:55	17280	1853.9	1852.4	1855.4	76.9	74.9	78.7	67.8	48.7	95.0	67.2	56.5	83.9
CAES150423	04/23/15	00:00:00	23:59:55	23:59:55	17280	1857.2	1855.3	1859.1	78.4	76.3	80.1	68.5	50.4	91.4	68.5	58.2	84.1
CAES150424	04/24/15	00:00:00	23:59:55	23:59:55	16748	1855.4	1850.2	1859.1	79.3	77.8	81.0	65.5	55.2	80.7	66.5	59.0	79.2
CAES150425	04/25/15	00:00:00	23:59:55	23:59:55	17280	1859.6	1856.8	1862.0	80.2	78.6	81.5	64.0	52.9	81.5	63.7	56.3	76.5
CAES150426	04/26/15	00:00:00	23:59:55	23:59:55	17280	1863.2	1861.2	1864.9	81.8	80.0	83.9	67.8	49.1	90.5	66.2	54.9	83.1
CAES150427	04/27/15	00:00:00	23:59:55	23:59:55	17280	1866.0	1864.2	1867.2	84.0	82.4	86.0	78.5	53.7	108.6	72.2	58.6	91.3
CAES150428	04/28/15	00:00:00	23:59:55	23:59:55	17280	1868.3	1867.1	1869.3	85.8	83.8	87.6	74.6	52.6	98.6	72.5	60.3	89.5
CAES150429	04/29/15	00:00:00	23:59:55	23:59:55	17280	1444.4	(3)	1871.0	69.2	(3)	88.2	72.6	48.7	99.0	71.3	58.2	89.5
CAES150430	04/30/15	00:00:00	23:59:55	23:59:55	17280	1838.3	(4)	1862.9	89.0	86.7	91.3	79.0	52.3	110.1	73.8	60.2	92.9
CAES150501	05/01/15	00:00:00	23:59:55	23:59:55	17280	1854.8	1845.8	1860.6	92.6	89.5	95.7	78.6	53.0	108.3	75.0	61.5	94.5
CAES150502	05/02/15	00:00:00	23:59:55	23:59:55	17280	1840.5	1834.9	1845.9	97.7	94.2	100.6	74.2	54.1	100.3	73.0	61.9	90.5
CAES150503	05/03/15	00:00:00	23:59:55	23:59:55	17280	1836.2	1832.7	1841.4	102.2	99.2	105.1	67.1	50.2	89.0	68.8	59.1	84.3
CAES150504	05/04/15	00:00:00	23:59:55	23:59:55	17280	1840.7	1835.6	1846.2	108.4	104.3	111.7	66.4	49.4	88.7	67.6	56.9	84.0
CAES150505	05/05/15	00:00:00	23:59:55	23:59:55	17280	1831.5	1817.3	1836.4	113.5	110.2	116.0	66.2	42.9	92.6	68.0	55.9	85.0
CAES150506	05/06/15	00:00:00	23:59:55	23:59:55	17280	1826.5	1809.2	1840.7	116.1	113.8	118.3	67.7	44.8	91.7	68.7	56.3	85.5
CAES150507	05/07/15	00:00:00	23:59:55	23:59:55	17280	1819.6	1802.6	1834.2	118.4	115.9	119.8	63.6	53.9	77.4	65.4	60.0	72.9
CAES150508	05/08/15	00:00:00	23:59:55	23:59:55	17280	1814.8	1798.3	1829.1	123.0	119.0	126.3	67.9	44.7	92.3	68.0	55.7	84.6
CAES150509	05/09/15	00:00:00	23:59:55	23:59:55	17280	1821.3	1817.2	1825.4	129.3	125.6	132.3	69.9	50.3	93.4	69.8	58.5	86.6
CAES150510	05/10/15	00:00:00	23:59:55	23:59:55	17280	1819.5	1818.6	1820.3	135.1	131.4	138.2	70.7	46.6	98.1	70.4	57.7	88.4
CAES150511	05/11/15	00:00:00	23:59:55	23:59:55	17242	1819.6	1818.0	1825.4	138.6	137.2	140.3	66.6	48.2	88.6	69.1	58.8	84.8
CAES150512	05/12/15	00:00:00	23:59:55	23:59:55	17256	1825.4	1809.9	1832.0	140.2	138.0	142.5	65.1	48.8	87.1	67.2	57.2	83.1
CAES150513	05/13/15	00:00:00	23:59:55	23:59:55	17280	1821.4	1802.6	1831.3	143.4	140.9	145.5	64.8	48.4	84.3	67.1	57.9	81.2
CAES150514	05/14/15	00:00:00	23:59:55	23:59:55	17268	1818.3	1791.7	1831.3	146.2	143.7	148.3	62.0	48.2	85.4	65.5	58.2	77.4
CAES150515	05/15/15	00:00:00	23:59:55	23:59:55	17280	1813.3	1788.0	1828.4	149.7	147.5	152.0	66.8	48.6	87.4	68.2	57.5	83.8
CAES150516	05/16/15	00:00:00	23:59:55	23:59:55	12844	1810.3	1807.1	1812.2	151.5	149.6	153.6	69.2	48.1	94.4	70.9	58.3	86.8
CAES150517	05/17/15	00:00:00	23:59:55	23:59:55	17280	1812.2	1811.4	1813.1	152.2	150.4	154.2	64.2	50.0	84.4	67.4	60.0	81.0
CAES150518	05/18/15	00:00:00	23:59:55	23:59:55	17280	1812.3	1812.0	1813.2	154.2	152.7	155.7	66.9	52.3	86.6	68.8	60.4	83.3
CAES150519	05/19/15	00:00:00	23:59:55	23:59:55	17280	1812.0	1811.4	1813.0	157.1	154.1	159.3	67.6	47.1	91.2	69.3	58.3	85.9
CAES150520	05/20/15	00:00:00	23:59:55	23:59:55	17280	1811.6	1811.3	1812.2	159.6	157.7	161.5	66.8	48.1	88.3	68.9	59.2	82.9
CAES150521	05/21/15	00:00:00	23:59:55	23:59:55	17280	1814.9	1810.6	1821.8	161.5	159.3	163.6	66.8	51.9	87.4	68.3	59.8	82.3
CAES150522	05/22/15	00:00:00	23:59:55	23:59:55	17280	1825.5	1821.7	1829.1	164.9	162.2	167.4	68.3	52.3	89.3	69.5	60.6	84.3
CAES150523	05/23/15	00:00:00	23:59:55	23:59:55	17280	1834.3	1829.0	1838.6	168.1	165.7	170.2	71.1	52.4	94.1	71.0	61.2	85.6
CAES150524	05/24/15	00:00:00	23:59:55	23:59:55	17280	1841.8	1838.5	1845.2	171.0	168.7	173.3	72.3	52.6	97.8	72.4	61.4	88.6
CAES150525	05/25/15	00:00:00	23:59:55	23:59:55	17280	1847.6	1845.1	1849.7	172.9	170.9	174.8	69.3	51.1	91.6	70.8	61.1	85.9
CAES150526	05/26/15	00:00:00	23:59:55	23:59:55	17280	1848.7	1843.7	1852.6	174.8	172.3	176.8	68.9	51.5	91.3	70.0	59.8	85.3
CAES150527	05/27/15	00:00:00	23:59:55	23:59:55	17042	1851.3	1846.6	1854.8	176.8	174.6	178.9	70.3	51.8	93.8	70.8	60.0	86.5
CAES150528	05/28/15	00:00:00	23:59:55	23:59:55	17280	1854.9	1850.2	1858.5	178.8	176.8	180.6	73.2	48.3	100.4	72.5	60.3	88.0
CAES150529	05/29/15	00:00:00	23:59:55	23:59:55	17280	1858.1	1853.1	1861.4	180.9	178.3	183.4	75.6	48.5	103.3	74.2	60.8	90.7
CAES150530	05/30/15	00:00:00	23:59:55	23:59:55	16436	1846.1	1822.4	1860.6	182.9	180.5	185.1	75.4	51.4	103.5	74.8	62.5	90.7
CAES150531	05/31/15	00:00:00	23:59:55	23:59:55	17280	1800.4	1782.2	1822.5	183.6	181.9	185.0	69.3	52.1	88.6	71.2	62.8	82.5

Attachment 2 - Continuous Monitoring Device Data for Piacentine 1-27 - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min)	Number of Data Points	Piacentine 1-27 Well											
						PIT-016A (PSIG) Tubing Pressure			PIT-016B (PSIG) Annulus Pressure			TIT-016A (°F) Tubing Temperature			TIT-016B (°F) Annulus Temperature		
						Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
February Monthly Data (Operating Conditions Only):						1712.8	1687.7	1744.1	74.9	70.5	82.4	57.9	32.8	90.8	57.7	43.1	76.4
March Monthly Data (Operating Conditions Only):						1786.7	1736.9	1827.5	69.8	68.1	72.9	65.9	37.0	106.3	64.4	46.7	90.2
April Monthly Data (Operating Conditions Only):						1842.0	1806.5	1871.0	74.3	67.9	91.3	66.2	38.0	110.1	65.5	48.1	92.9
May Monthly Data (Operating Conditions Only):						1806.5	1782.2	1861.4	67.9	89.5	185.1	38.0	42.9	108.3	48.1	55.7	94.5

Notes:

1) Data are missing on 3/30/15 because the BHP tools were installed in the well for the mid-bubble build pressure survey and the pressure transmitter was taken out of service.

2) Data are missing on 4/4/15 because the Halliburton TMDL log was run in the well and the pressure transmitter was taken out of service.

3) Data are missing on 4/29/15 because the Piacentine 1-27 wellhead was out of service due to conducting temperature logging in the well.

4) Data are missing on 4/30/15 because the Piacentine 1-27 wellhead was out of service due to installation of the pressure-temperature recorder.

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/08/15	01:00:00	1686.3	21.7	56.5	57.3
02/08/15	02:00:00	1686.3	21.8	57.1	57.5
02/08/15	03:00:00	1686.3	21.8	57.8	57.8
02/08/15	04:00:00	1686.3	21.7	57.5	57.9
02/08/15	05:00:00	1686.3	21.9	57.5	57.9
02/08/15	06:00:00	1686.3	21.9	58.4	58.2
02/08/15	07:00:00	1686.3	22.0	58.8	58.4
02/08/15	08:00:00	1686.3	22.1	59.0	58.5
02/08/15	09:00:00	1686.3	22.0	58.5	58.2
02/08/15	10:00:00	1686.3	22.0	58.3	58.1
02/08/15	11:00:00	1686.4	22.0	60.2	59.1
02/08/15	12:00:00	1686.4	22.1	62.0	60.1
02/08/15	13:00:00	1686.3	22.1	61.7	60.5
02/08/15	14:00:00	1686.4	22.1	61.1	60.8
02/08/15	15:00:00	1686.3	22.1	61.3	60.6
02/08/15	16:00:00	1686.4	22.1	61.7	60.6
02/08/15	17:00:00	1686.3	22.1	62.9	60.6
02/08/15	18:00:00	1686.3	22.1	64.1	60.7
02/08/15	19:00:00	1686.3	22.0	62.5	60.6
02/08/15	20:00:00	1686.4	22.1	62.0	60.3
02/08/15	21:00:00	1686.4	22.1	61.3	59.7
02/08/15	22:00:00	1686.3	22.1	60.2	59.2
02/08/15	23:00:00	1686.3	22.1	59.5	58.7
02/09/15	00:00:00	1686.5	22.1	59.5	58.2
02/09/15	01:00:00	1686.4	22.1	60.0	57.8
02/09/15	02:00:00	1686.4	22.1	58.9	57.4
02/09/15	03:00:00	1686.3	22.1	57.4	57.0
02/09/15	04:00:00	1686.5	22.1	57.2	56.8
02/09/15	05:00:00	1686.3	22.1	57.5	56.6
02/09/15	06:00:00	1686.5	22.1	57.5	56.5
02/09/15	07:00:00	1686.4	22.1	57.0	56.2
02/09/15	08:00:00	1686.4	22.1	56.6	56.1
02/09/15	09:00:00	1686.9	22.5	58.2	56.2
02/09/15	10:00:00	1687.0	22.8	63.9	57.7
02/09/15	11:00:00	1687.0	22.8	68.9	60.4
02/09/15	12:00:00	1686.9	22.8	72.6	63.0
02/09/15	13:00:00	1686.7	22.7	75.7	65.3
02/09/15	14:00:00	1686.5	22.5	77.4	66.9
02/09/15	15:00:00	1686.4	22.7	80.2	68.8
02/09/15	16:00:00	1686.4	22.6	81.4	69.2
02/09/15	17:00:00	1686.4	22.8	80.1	67.4
02/09/15	18:00:00	1686.5	22.8	73.8	65.1
02/09/15	19:00:00	1686.5	22.8	66.9	62.6
02/09/15	20:00:00	1686.6	22.7	61.7	60.6
02/09/15	21:00:00	1686.4	22.6	58.2	58.9
02/09/15	22:00:00	1686.5	22.4	55.0	57.2
02/09/15	23:00:00	1686.4	22.2	52.2	55.9
02/10/15	00:00:00	1686.4	22.1	49.5	54.5
02/10/15	01:00:00	1686.3	22.1	47.6	53.7
02/10/15	02:00:00	1686.4	22.1	46.4	53.0
02/10/15	03:00:00	1686.5	22.1	45.7	52.3
02/10/15	04:00:00	1686.4	22.1	45.2	51.8
02/10/15	05:00:00	1686.7	22.1	44.3	51.1
02/10/15	06:00:00	1686.4	22.1	43.5	50.6
02/10/15	07:00:00	1686.6	22.1	42.6	50.0
02/10/15	08:00:00	1686.8	22.1	42.3	49.8
02/10/15	09:00:00	1687.0	22.7	46.7	50.8
02/10/15	10:00:00	1687.1	22.8	53.4	53.6
02/10/15	11:00:00	1687.1	22.8	59.5	56.6
02/10/15	12:00:00	1687.0	22.8	64.4	59.3
02/10/15	13:00:00	1687.1	22.6	67.7	61.5
02/10/15	14:00:00	1687.1	22.7	71.0	63.5
02/10/15	15:00:00	1687.1	22.7	72.6	64.5
02/10/15	16:00:00	1687.2	18.8	70.1	63.3
02/10/15	17:00:00	1687.3	86.0	68.8	62.4
02/10/15	18:00:00	1687.2	86.0	66.4	60.9
02/10/15	19:00:00	1687.2	85.4	62.4	59.2
02/10/15	20:00:00	1687.1	85.3	58.7	57.5
02/10/15	21:00:00	1687.3	85.2	55.2	56.0
02/10/15	22:00:00	1687.2	84.8	52.2	54.7
02/10/15	23:00:00	1687.2	84.5	49.6	53.4
02/11/15	00:00:00	1687.2	84.5	47.4	52.4
02/11/15	01:00:00	1687.4	84.5	45.5	51.6
02/11/15	02:00:00	1687.3	84.2	44.0	50.8
02/11/15	03:00:00	1687.5	83.9	42.8	50.0
02/11/15	04:00:00	1687.2	83.8	41.8	49.4
02/11/15	05:00:00	1687.4	83.8	40.8	48.8
02/11/15	06:00:00	1687.4	83.8	39.7	48.3
02/11/15	07:00:00	1687.4	83.7	39.0	47.7
02/11/15	08:00:00	1687.6	83.4	38.6	47.4
02/11/15	09:00:00	1687.7	83.8	43.4	48.5
02/11/15	10:00:00	1687.7	84.1	50.9	51.4
02/11/15	11:00:00	1687.7	84.4	59.0	55.2
02/11/15	12:00:00	1687.7	84.5	65.9	58.7
02/11/15	13:00:00	1687.7	84.5	72.2	62.5
02/11/15	14:00:00	1687.5	84.4	76.3	65.5
02/11/15	15:00:00	1687.3	84.5	80.5	68.1
02/11/15	16:00:00	1687.2	84.7	81.1	68.6
02/11/15	17:00:00	1687.6	84.7	77.8	66.4

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/11/15	18:00:00	1687.6	84.5	73.0	64.4
02/11/15	19:00:00	1687.5	84.5	68.5	62.4
02/11/15	20:00:00	1687.6	84.2	64.4	60.6
02/11/15	21:00:00	1687.6	83.9	60.9	59.1
02/11/15	22:00:00	1687.6	83.8	58.1	57.9
02/11/15	23:00:00	1687.6	83.8	55.5	56.7
02/12/15	00:00:00	1687.6	83.6	53.2	55.6
02/12/15	01:00:00	1687.7	83.1	51.3	54.7
02/12/15	02:00:00	1687.7	82.9	49.6	53.9
02/12/15	03:00:00	1687.7	82.9	48.2	53.2
02/12/15	04:00:00	1687.7	82.9	46.9	52.4
02/12/15	05:00:00	1687.6	82.8	45.6	51.7
02/12/15	06:00:00	1687.7	82.6	44.5	51.1
02/12/15	07:00:00	1687.8	82.4	43.6	50.3
02/12/15	08:00:00	1687.8	82.3	43.3	50.1
02/12/15	09:00:00	1687.8	82.8	47.8	51.0
02/12/15	10:00:00	1687.8	82.9	55.0	53.7
02/12/15	11:00:00	1687.8	83.2	62.2	57.2
02/12/15	12:00:00	1687.8	83.4	69.2	61.1
02/12/15	13:00:00	1687.8	83.1	75.1	64.7
02/12/15	14:00:00	1687.7	83.3	80.4	68.2
02/12/15	15:00:00	1687.6	83.1	84.7	71.2
02/12/15	16:00:00	1687.6	83.3	87.8	73.5
02/12/15	17:00:00	1687.4	83.6	88.3	71.2
02/12/15	18:00:00	1687.7	83.9	84.1	68.7
02/12/15	19:00:00	1687.7	83.6	77.5	66.2
02/12/15	20:00:00	1687.6	83.0	71.7	63.9
02/12/15	21:00:00	1687.6	82.9	66.4	61.7
02/12/15	22:00:00	1687.7	82.8	62.0	59.9
02/12/15	23:00:00	1687.7	82.5	58.4	58.3
02/13/15	00:00:00	1687.7	82.3	55.3	56.9
02/13/15	01:00:00	1687.7	82.3	52.7	55.7
02/13/15	02:00:00	1687.7	82.2	50.5	54.7
02/13/15	03:00:00	1687.7	81.8	48.6	53.9
02/13/15	04:00:00	1687.8	81.5	47.0	53.1
02/13/15	05:00:00	1687.8	81.4	45.7	52.3
02/13/15	06:00:00	1687.8	81.4	44.6	51.8
02/13/15	07:00:00	1687.8	81.4	43.8	51.3
02/13/15	08:00:00	1687.8	81.3	43.9	51.1
02/13/15	09:00:00	1687.9	81.4	47.2	51.8
02/13/15	10:00:00	1687.9	82.1	54.8	54.5
02/13/15	11:00:00	1687.8	82.2	62.7	58.3
02/13/15	12:00:00	1687.8	82.2	69.8	62.2
02/13/15	13:00:00	1687.8	82.3	76.5	66.1
02/13/15	14:00:00	1687.6	82.3	82.7	70.0
02/13/15	15:00:00	1687.7	82.3	86.9	72.8
02/13/15	16:00:00	1687.7	82.3	90.0	75.4
02/13/15	17:00:00	1689.0	82.6	89.5	72.9
02/13/15	18:00:00	1689.3	82.9	83.9	69.9
02/13/15	19:00:00	1688.5	82.3	76.9	67.1
02/13/15	20:00:00	1688.3	82.2	70.9	64.5
02/13/15	21:00:00	1688.2	81.9	66.0	62.5
02/13/15	22:00:00	1688.2	81.5	61.5	60.5
02/13/15	23:00:00	1687.9	81.5	58.1	58.9
02/14/15	00:00:00	1687.8	81.4	55.5	57.7
02/14/15	01:00:00	1687.8	81.0	53.1	56.4
02/14/15	02:00:00	1687.8	80.8	51.3	55.4
02/14/15	03:00:00	1687.8	80.8	50.1	54.7
02/14/15	04:00:00	1687.8	80.8	48.7	54.0
02/14/15	05:00:00	1687.8	80.7	47.5	53.2
02/14/15	06:00:00	1687.8	80.5	46.2	52.5
02/14/15	07:00:00	1687.8	80.1	44.7	51.7
02/14/15	08:00:00	1687.8	80.0	43.6	51.2
02/14/15	09:00:00	1688.2	80.4	46.7	51.9
02/14/15	10:00:00	1688.2	80.9	54.9	54.9
02/14/15	11:00:00	1688.4	81.0	59.4	56.9
02/14/15	12:00:00	1687.8	81.2	72.9	64.4
02/14/15	13:00:00	1687.7	81.0	76.4	66.7
02/14/15	14:00:00	1688.2	81.0	81.3	70.3
02/14/15	15:00:00	1692.1	81.3	85.7	73.4
02/14/15	16:00:00	1695.0	81.5	89.0	75.9
02/14/15	17:00:00	1697.1	81.5	90.6	73.6
02/14/15	18:00:00	1696.3	82.0	88.3	71.0
02/14/15	19:00:00	1696.6	81.5	80.7	68.3
02/14/15	20:00:00	1697.3	81.4	73.3	65.5
02/14/15	21:00:00	1698.1	81.1	67.5	63.2
02/14/15	22:00:00	1698.7	81.0	62.9	61.1
02/14/15	23:00:00	1699.4	80.8	58.7	59.3
02/15/15	00:00:00	1699.6	80.4	55.5	57.7
02/15/15	01:00:00	1699.7	80.1	52.8	56.5
02/15/15	02:00:00	1699.7	80.1	50.6	55.4
02/15/15	03:00:00	1698.6	80.0	48.6	54.3
02/15/15	04:00:00	1699.8	79.7	47.0	53.5
02/15/15	05:00:00	1700.8	79.6	45.9	52.9
02/15/15	06:00:00	1701.5	79.4	44.9	52.3
02/15/15	07:00:00	1701.7	79.4	44.8	52.0
02/15/15	08:00:00	1702.4	79.4	44.7	51.7
02/15/15	09:00:00	1702.7	79.7	48.1	52.4
02/15/15	10:00:00	1702.5	80.1	55.8	55.2

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/15/15	11:00:00	1702.2	80.1	63.8	58.9
02/15/15	12:00:00	1702.2	80.2	71.0	62.8
02/15/15	13:00:00	1702.3	80.2	77.2	66.4
02/15/15	14:00:00	1701.8	80.4	82.5	69.8
02/15/15	15:00:00	1700.5	80.7	85.7	72.0
02/15/15	16:00:00	1700.8	81.0	85.7	72.1
02/15/15	17:00:00	1701.2	81.0	84.1	70.7
02/15/15	18:00:00	1701.4	81.0	80.3	68.6
02/15/15	19:00:00	1701.5	80.5	75.0	66.3
02/15/15	20:00:00	1702.1	80.2	69.5	63.9
02/15/15	21:00:00	1702.3	80.1	64.7	62.0
02/15/15	22:00:00	1702.6	79.9	60.9	60.3
02/15/15	23:00:00	1702.7	79.4	57.7	58.8
02/16/15	00:00:00	1703.0	79.4	55.0	57.5
02/16/15	01:00:00	1703.0	79.4	52.7	56.4
02/16/15	02:00:00	1703.6	79.3	50.7	55.4
02/16/15	03:00:00	1703.8	79.1	49.1	54.5
02/16/15	04:00:00	1704.1	78.7	47.7	53.7
02/16/15	05:00:00	1704.3	78.7	46.3	53.0
02/16/15	06:00:00	1704.3	78.7	45.3	52.4
02/16/15	07:00:00	1704.3	78.7	44.5	51.8
02/16/15	08:00:00	1704.4	78.6	44.2	51.4
02/16/15	09:00:00	1704.5	78.7	48.5	52.4
02/16/15	10:00:00	1704.5	79.0	56.0	55.2
02/16/15	11:00:00	1704.5	79.3	63.7	59.0
02/16/15	12:00:00	1704.4	79.3	70.3	62.9
02/16/15	13:00:00	1704.0	79.3	75.9	66.6
02/16/15	14:00:00	1703.8	79.3	80.4	69.7
02/16/15	15:00:00	1703.3	79.4	84.7	72.8
02/16/15	16:00:00	1703.1	79.4	87.9	75.4
02/16/15	17:00:00	1703.2	79.6	89.1	73.4
02/16/15	18:00:00	1703.7	80.0	85.6	70.7
02/16/15	19:00:00	1703.8	79.5	79.1	68.0
02/16/15	20:00:00	1703.8	79.4	72.6	65.5
02/16/15	21:00:00	1704.0	79.3	67.1	63.3
02/16/15	22:00:00	1704.3	78.9	62.9	61.4
02/16/15	23:00:00	1704.4	78.7	59.4	59.8
02/17/15	00:00:00	1704.7	78.7	56.7	58.6
02/17/15	01:00:00	1704.7	78.6	54.2	57.3
02/17/15	02:00:00	1705.2	78.3	51.8	56.2
02/17/15	03:00:00	1705.2	78.1	50.0	55.2
02/17/15	04:00:00	1705.3	78.0	48.7	54.3
02/17/15	05:00:00	1705.9	77.9	47.4	53.7
02/17/15	06:00:00	1706.0	78.0	48.1	53.6
02/17/15	07:00:00	1704.1	77.9	49.3	53.7
02/17/15	08:00:00	1701.5	77.8	49.0	53.6
02/17/15	09:00:00	1699.8	77.8	51.2	54.3
02/17/15	10:00:00	1698.7	77.9	53.7	55.6
02/17/15	11:00:00	1697.9	77.9	55.8	56.8
02/17/15	12:00:00	1697.3	77.9	60.2	59.0
02/17/15	13:00:00	1696.7	78.2	66.4	62.2
02/17/15	14:00:00	1696.3	78.0	72.0	65.7
02/17/15	15:00:00	1695.8	78.1	75.7	68.5
02/17/15	16:00:00	1695.6	78.3	76.9	70.2
02/17/15	17:00:00	1695.0	78.3	74.4	67.4
02/17/15	18:00:00	1694.9	78.5	68.2	63.7
02/17/15	19:00:00	1694.9	78.0	60.5	60.4
02/17/15	20:00:00	1694.8	77.9	56.2	58.1
02/17/15	21:00:00	1694.3	77.6	53.9	56.6
02/17/15	22:00:00	1694.2	77.3	52.7	55.5
02/17/15	23:00:00	1694.2	77.2	51.8	54.7
02/18/15	00:00:00	1694.2	77.2	51.2	54.1
02/18/15	01:00:00	1693.8	77.2	50.5	53.6
02/18/15	02:00:00	1693.6	77.1	49.9	53.1
02/18/15	03:00:00	1693.5	76.9	49.3	52.8
02/18/15	04:00:00	1693.5	76.8	48.7	52.4
02/18/15	05:00:00	1693.5	76.6	48.1	52.1
02/18/15	06:00:00	1693.5	76.4	47.5	51.8
02/18/15	07:00:00	1693.5	76.3	46.4	51.3
02/18/15	08:00:00	1693.5	76.3	45.6	51.0
02/18/15	09:00:00	1693.5	76.8	49.5	52.3
02/18/15	10:00:00	1693.5	77.1	56.8	55.4
02/18/15	11:00:00	1693.4	77.1	61.3	57.9
02/18/15	12:00:00	1693.3	77.1	62.3	58.8
02/18/15	13:00:00	1693.1	77.1	62.6	59.4
02/18/15	14:00:00	1693.0	77.2	63.8	60.4
02/18/15	15:00:00	1692.8	76.4	69.3	64.1
02/18/15	16:00:00	1692.7	76.9	74.8	67.2
02/18/15	17:00:00	1692.8	77.2	77.1	66.3
02/18/15	18:00:00	1692.7	77.3	74.9	64.3
02/18/15	19:00:00	1692.7	77.2	69.9	62.3
02/18/15	20:00:00	1692.7	77.1	65.0	60.4
02/18/15	21:00:00	1692.7	76.7	60.9	58.8
02/18/15	22:00:00	1692.7	76.3	57.2	57.1
02/18/15	23:00:00	1693.7	76.3	53.8	55.6
02/19/15	00:00:00	1696.1	76.3	50.8	54.4
02/19/15	01:00:00	1697.8	76.3	48.8	53.6
02/19/15	02:00:00	1696.5	76.0	47.1	52.8
02/19/15	03:00:00	1695.4	75.8	46.7	52.8

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/19/15	04:00:00	1694.8	75.8	47.6	53.0
02/19/15	05:00:00	1696.6	75.8	48.5	53.1
02/19/15	06:00:00	1698.3	75.9	48.8	53.1
02/19/15	07:00:00	1699.5	75.8	49.0	53.2
02/19/15	08:00:00	1700.5	75.8	49.5	53.5
02/19/15	09:00:00	1701.1	75.8	50.8	53.9
02/19/15	10:00:00	1701.5	75.8	52.6	54.7
02/19/15	11:00:00	1702.1	75.9	54.3	55.5
02/19/15	12:00:00	1702.5	76.0	55.3	56.2
02/19/15	13:00:00	1702.9	76.0	56.4	56.8
02/19/15	14:00:00	1703.0	76.2	57.7	57.4
02/19/15	15:00:00	1703.3	76.1	58.1	57.7
02/19/15	16:00:00	1703.8	76.2	58.4	57.9
02/19/15	17:00:00	1703.8	76.1	58.2	57.8
02/19/15	18:00:00	1703.9	75.9	57.5	57.5
02/19/15	19:00:00	1704.1	75.8	56.8	57.2
02/19/15	20:00:00	1704.4	75.8	55.9	56.8
02/19/15	21:00:00	1704.4	75.8	55.2	56.6
02/19/15	22:00:00	1704.4	75.8	54.8	56.4
02/19/15	23:00:00	1704.7	75.8	54.3	56.1
02/20/15	00:00:00	1705.1	75.8	54.0	56.0
02/20/15	01:00:00	1705.2	75.8	53.8	55.9
02/20/15	02:00:00	1705.2	75.7	53.6	55.7
02/20/15	03:00:00	1705.2	75.7	53.4	55.5
02/20/15	04:00:00	1705.2	75.8	53.2	55.4
02/20/15	05:00:00	1705.8	75.5	53.0	55.3
02/20/15	06:00:00	1705.9	75.4	52.9	55.1
02/20/15	07:00:00	1706.0	75.3	52.6	54.8
02/20/15	08:00:00	1706.0	75.1	51.8	54.3
02/20/15	09:00:00	1706.0	75.0	51.7	54.4
02/20/15	10:00:00	1706.0	75.0	52.3	54.7
02/20/15	11:00:00	1705.0	74.9	53.0	55.0
02/20/15	12:00:00	1702.5	74.9	54.3	55.8
02/20/15	13:00:00	1700.7	74.9	61.0	59.3
02/20/15	14:00:00	1699.7	75.0	68.1	63.0
02/20/15	15:00:00	1698.9	74.9	74.4	66.9
02/20/15	16:00:00	1698.9	75.1	78.3	70.0
02/20/15	17:00:00	1701.0	75.5	77.9	67.9
02/20/15	18:00:00	1702.5	75.8	74.0	64.9
02/20/15	19:00:00	1700.8	75.7	66.5	62.1
02/20/15	20:00:00	1701.0	75.4	59.7	59.5
02/20/15	21:00:00	1702.6	75.0	55.1	57.4
02/20/15	22:00:00	1703.8	74.9	52.3	55.8
02/20/15	23:00:00	1704.6	74.9	50.3	54.6
02/21/15	00:00:00	1705.2	74.8	49.0	53.6
02/21/15	01:00:00	1705.8	74.7	48.4	53.0
02/21/15	02:00:00	1706.0	74.7	49.2	53.1
02/21/15	03:00:00	1706.4	74.5	49.5	53.2
02/21/15	04:00:00	1706.7	74.4	49.7	53.4
02/21/15	05:00:00	1706.7	74.4	49.8	53.5
02/21/15	06:00:00	1707.0	74.4	49.8	53.5
02/21/15	07:00:00	1707.4	74.4	49.8	53.4
02/21/15	08:00:00	1707.4	74.3	49.8	53.4
02/21/15	09:00:00	1707.4	74.3	50.0	53.5
02/21/15	10:00:00	1707.5	74.3	50.8	53.9
02/21/15	11:00:00	1707.8	74.3	52.3	54.6
02/21/15	12:00:00	1707.8	74.4	54.3	55.6
02/21/15	13:00:00	1708.0	74.4	57.2	57.1
02/21/15	14:00:00	1707.8	74.4	63.3	60.3
02/21/15	15:00:00	1707.4	74.4	69.5	64.2
02/21/15	16:00:00	1707.4	74.4	73.7	67.4
02/21/15	17:00:00	1707.4	74.6	74.8	66.0
02/21/15	18:00:00	1707.4	74.9	71.2	63.3
02/21/15	19:00:00	1707.5	74.9	63.9	60.7
02/21/15	20:00:00	1707.8	74.6	57.8	58.3
02/21/15	21:00:00	1707.9	74.4	53.9	56.5
02/21/15	22:00:00	1708.1	74.4	50.7	54.9
02/21/15	23:00:00	1708.1	74.2	48.5	53.6
02/22/15	00:00:00	1708.2	74.1	46.9	52.9
02/22/15	01:00:00	1708.1	73.8	46.6	52.8
02/22/15	02:00:00	1708.2	73.8	47.2	52.7
02/22/15	03:00:00	1708.2	73.7	47.7	52.8
02/22/15	04:00:00	1708.2	73.5	48.0	52.8
02/22/15	05:00:00	1708.2	73.6	47.3	52.0
02/22/15	06:00:00	1708.3	73.5	45.8	51.1
02/22/15	07:00:00	1708.5	73.5	44.4	50.3
02/22/15	08:00:00	1708.9	73.5	44.0	49.7
02/22/15	09:00:00	1708.9	73.8	47.7	50.8
02/22/15	10:00:00	1708.9	74.3	54.1	53.7
02/22/15	11:00:00	1709.0	74.4	60.0	56.7
02/22/15	12:00:00	1708.9	74.4	64.8	59.9
02/22/15	13:00:00	1708.9	74.4	69.3	63.1
02/22/15	14:00:00	1708.8	74.3	72.7	65.9
02/22/15	15:00:00	1708.8	74.3	73.8	67.8
02/22/15	16:00:00	1708.9	74.2	74.1	69.2
02/22/15	17:00:00	1709.0	74.3	72.4	66.2
02/22/15	18:00:00	1709.0	74.4	67.8	62.4
02/22/15	19:00:00	1709.3	74.3	61.1	59.4
02/22/15	20:00:00	1709.5	74.0	56.8	57.1

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/22/15	21:00:00	1709.6	73.5	53.3	55.2
02/22/15	22:00:00	1709.7	73.4	50.4	53.7
02/22/15	23:00:00	1709.7	73.4	48.4	52.4
02/23/15	00:00:00	1710.2	73.3	48.0	51.7
02/23/15	01:00:00	1710.4	73.2	48.0	51.2
02/23/15	02:00:00	1710.4	72.9	47.5	50.6
02/23/15	03:00:00	1710.4	72.9	46.3	49.8
02/23/15	04:00:00	1710.4	72.9	45.2	49.1
02/23/15	05:00:00	1710.4	72.9	43.8	48.5
02/23/15	06:00:00	1710.5	72.9	42.2	47.9
02/23/15	07:00:00	1710.5	72.7	40.9	47.2
02/23/15	08:00:00	1710.8	72.5	40.5	46.8
02/23/15	09:00:00	1711.0	72.9	43.8	48.4
02/23/15	10:00:00	1711.0	72.9	50.6	51.5
02/23/15	11:00:00	1711.0	73.2	57.2	54.9
02/23/15	12:00:00	1710.7	73.3	62.3	57.8
02/23/15	13:00:00	1710.5	73.3	67.2	61.2
02/23/15	14:00:00	1710.5	73.3	72.0	64.5
02/23/15	15:00:00	1710.7	73.4	74.4	67.2
02/23/15	16:00:00	1712.4	73.4	74.8	68.9
02/23/15	17:00:00	1713.8	73.4	72.9	65.8
02/23/15	18:00:00	1715.1	73.7	68.7	61.8
02/23/15	19:00:00	1715.8	73.5	61.2	58.6
02/23/15	20:00:00	1715.8	73.2	55.7	56.3
02/23/15	21:00:00	1715.1	72.9	51.7	54.3
02/23/15	22:00:00	1716.0	72.9	48.5	52.5
02/23/15	23:00:00	1716.6	72.8	45.5	51.2
02/24/15	00:00:00	1717.1	72.7	42.8	49.6
02/24/15	01:00:00	1717.5	72.2	40.2	48.2
02/24/15	02:00:00	1717.6	72.0	38.3	47.2
02/24/15	03:00:00	1717.6	72.0	36.7	46.2
02/24/15	04:00:00	1717.6	72.0	35.3	45.4
02/24/15	05:00:00	1717.7	71.9	34.0	44.6
02/24/15	06:00:00	1718.3	71.7	33.2	43.9
02/24/15	07:00:00	1718.5	71.5	33.0	43.4
02/24/15	08:00:00	1718.9	71.8	34.3	43.5
02/24/15	09:00:00	1719.1	72.1	41.0	45.9
02/24/15	10:00:00	1719.1	72.8	49.3	49.9
02/24/15	11:00:00	1719.1	72.9	56.9	53.8
02/24/15	12:00:00	1719.1	72.9	63.3	57.5
02/24/15	13:00:00	1719.1	73.0	69.3	61.3
02/24/15	14:00:00	1720.6	72.9	75.5	65.1
02/24/15	15:00:00	1721.7	72.9	81.1	69.0
02/24/15	16:00:00	1722.6	73.0	84.7	72.4
02/24/15	17:00:00	1723.2	73.2	86.2	70.6
02/24/15	18:00:00	1723.9	73.4	81.6	66.8
02/24/15	19:00:00	1723.9	73.4	73.2	63.6
02/24/15	20:00:00	1724.6	73.1	66.3	60.7
02/24/15	21:00:00	1725.1	72.9	60.3	58.2
02/24/15	22:00:00	1725.4	72.8	55.4	56.0
02/24/15	23:00:00	1725.8	72.6	51.4	54.1
02/25/15	00:00:00	1725.8	72.2	47.7	52.4
02/25/15	01:00:00	1726.4	72.0	44.4	51.0
02/25/15	02:00:00	1726.6	72.0	42.3	49.9
02/25/15	03:00:00	1727.0	71.9	40.3	48.7
02/25/15	04:00:00	1727.2	71.7	38.7	47.8
02/25/15	05:00:00	1727.2	71.6	37.7	47.2
02/25/15	06:00:00	1727.2	71.4	36.6	46.4
02/25/15	07:00:00	1728.0	71.3	35.5	45.7
02/25/15	08:00:00	1728.2	71.6	36.1	45.6
02/25/15	09:00:00	1728.7	72.0	42.4	47.7
02/25/15	10:00:00	1728.8	72.5	50.6	51.4
02/25/15	11:00:00	1727.7	72.8	57.6	54.9
02/25/15	12:00:00	1726.5	72.7	64.2	58.4
02/25/15	13:00:00	1725.6	72.9	70.7	62.4
02/25/15	14:00:00	1721.9	72.7	76.4	66.2
02/25/15	15:00:00	1719.3	73.0	79.2	68.1
02/25/15	16:00:00	1717.5	72.7	78.7	69.4
02/25/15	17:00:00	1716.1	72.9	78.8	68.6
02/25/15	18:00:00	1716.7	72.9	74.7	65.5
02/25/15	19:00:00	1719.3	72.9	69.6	62.9
02/25/15	20:00:00	1722.8	72.9	64.1	60.5
02/25/15	21:00:00	1725.1	72.5	59.8	58.4
02/25/15	22:00:00	1726.4	72.1	55.9	56.7
02/25/15	23:00:00	1727.2	72.0	52.6	55.1
02/26/15	00:00:00	1728.1	72.0	50.0	53.8
02/26/15	01:00:00	1728.8	71.9	47.7	52.7
02/26/15	02:00:00	1729.5	71.7	45.8	51.8
02/26/15	03:00:00	1729.9	71.6	44.2	51.0
02/26/15	04:00:00	1730.4	71.4	43.0	50.1
02/26/15	05:00:00	1730.8	71.3	41.8	49.5
02/26/15	06:00:00	1731.1	71.3	40.9	48.9
02/26/15	07:00:00	1731.8	71.3	40.0	48.4
02/26/15	08:00:00	1732.1	71.4	40.8	48.3
02/26/15	09:00:00	1732.3	71.9	46.3	50.2
02/26/15	10:00:00	1732.5	72.1	53.8	53.7
02/26/15	11:00:00	1732.4	72.4	61.0	57.3
02/26/15	12:00:00	1732.5	72.2	67.2	61.3
02/26/15	13:00:00	1732.3	72.4	72.4	64.8

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/26/15	14:00:00	1732.1	72.4	77.2	68.1
02/26/15	15:00:00	1728.3	72.2	80.9	71.6
02/26/15	16:00:00	1724.7	72.3	82.6	74.3
02/26/15	17:00:00	1722.5	72.7	82.1	72.0
02/26/15	18:00:00	1722.4	72.9	77.8	68.6
02/26/15	19:00:00	1726.0	72.9	70.2	65.3
02/26/15	20:00:00	1728.4	72.4	64.4	62.6
02/26/15	21:00:00	1729.9	72.2	61.0	60.6
02/26/15	22:00:00	1730.9	72.0	59.0	59.3
02/26/15	23:00:00	1731.6	72.0	57.3	58.1
02/27/15	00:00:00	1732.3	72.0	56.1	57.2
02/27/15	01:00:00	1732.8	71.9	54.8	56.3
02/27/15	02:00:00	1733.2	71.6	53.4	55.4
02/27/15	03:00:00	1733.5	71.5	52.5	54.8
02/27/15	04:00:00	1733.8	71.4	51.7	54.2
02/27/15	05:00:00	1734.4	71.3	51.4	53.9
02/27/15	06:00:00	1734.6	71.3	51.4	53.7
02/27/15	07:00:00	1734.4	71.3	51.4	53.4
02/27/15	08:00:00	1733.8	71.7	53.0	53.8
02/27/15	09:00:00	1734.6	72.0	58.2	56.1
02/27/15	10:00:00	1735.1	72.2	62.9	59.1
02/27/15	11:00:00	1735.2	72.4	66.3	62.0
02/27/15	12:00:00	1735.2	72.4	69.1	64.5
02/27/15	13:00:00	1735.4	72.1	72.0	67.0
02/27/15	14:00:00	1736.0	72.3	74.5	68.9
02/27/15	15:00:00	1736.0	72.1	75.4	70.6
02/27/15	16:00:00	1736.1	72.1	75.5	72.1
02/27/15	17:00:00	1736.8	72.1	73.1	68.7
02/27/15	18:00:00	1736.9	72.3	68.3	64.4
02/27/15	19:00:00	1737.1	72.1	61.1	61.0
02/27/15	20:00:00	1737.5	71.8	56.6	58.4
02/27/15	21:00:00	1737.9	71.5	54.3	56.7
02/27/15	22:00:00	1738.3	71.3	52.9	55.6
02/27/15	23:00:00	1738.4	71.3	51.6	54.5
02/28/15	00:00:00	1738.8	71.3	50.4	53.8
02/28/15	01:00:00	1738.9	71.3	50.3	53.6
02/28/15	02:00:00	1738.9	71.3	50.4	53.5
02/28/15	03:00:00	1738.6	71.2	50.1	53.1
02/28/15	04:00:00	1738.9	71.1	49.7	52.8
02/28/15	05:00:00	1739.2	71.0	49.6	52.7
02/28/15	06:00:00	1739.8	70.9	48.5	52.3
02/28/15	07:00:00	1739.8	70.8	47.4	51.8
02/28/15	08:00:00	1739.8	70.6	46.9	51.6
02/28/15	09:00:00	1740.1	70.7	48.3	52.4
02/28/15	10:00:00	1740.2	71.0	51.4	53.8
02/28/15	11:00:00	1740.4	71.3	57.1	56.4
02/28/15	12:00:00	1740.5	71.4	64.2	60.2
02/28/15	13:00:00	1741.2	71.6	70.2	63.9
02/28/15	14:00:00	1741.4	71.9	71.8	64.8
02/28/15	15:00:00	1741.8	71.5	70.8	65.2
02/28/15	16:00:00	1741.8	71.4	75.3	68.8
02/28/15	17:00:00	1742.4	71.9	73.9	66.2
02/28/15	18:00:00	1742.7	71.9	68.2	63.5
02/28/15	19:00:00	1742.9	71.4	61.5	60.7
02/28/15	20:00:00	1743.1	71.3	57.9	58.7
02/28/15	21:00:00	1743.2	71.3	54.8	57.1
02/28/15	22:00:00	1743.2	71.2	52.2	55.6
02/28/15	23:00:00	1743.3	70.9	49.9	54.4
03/01/15	00:00:00	1743.2	70.7	47.7	53.2
03/01/15	01:00:00	1743.8	70.6	45.7	52.0
03/01/15	02:00:00	1743.2	70.6	44.1	51.2
03/01/15	03:00:00	1741.8	70.6	42.9	50.4
03/01/15	04:00:00	1741.2	70.5	41.6	49.8
03/01/15	05:00:00	1741.0	70.4	41.4	49.6
03/01/15	06:00:00	1740.3	70.3	40.7	49.0
03/01/15	07:00:00	1740.3	70.1	39.5	48.2
03/01/15	08:00:00	1740.4	70.4	40.6	48.1
03/01/15	09:00:00	1741.3	70.8	47.4	50.5
03/01/15	10:00:00	1742.5	71.3	54.5	53.9
03/01/15	11:00:00	1742.7	71.3	60.3	57.0
03/01/15	12:00:00	1743.0	71.3	66.0	60.3
03/01/15	13:00:00	1743.2	71.3	71.3	63.6
03/01/15	14:00:00	1743.2	71.3	75.9	66.7
03/01/15	15:00:00	1743.9	71.4	79.5	69.9
03/01/15	16:00:00	1744.1	71.4	82.6	73.0
03/01/15	17:00:00	1744.1	71.3	84.2	71.5
03/01/15	18:00:00	1744.8	71.8	82.2	68.2
03/01/15	19:00:00	1745.2	71.8	74.8	65.3
03/01/15	20:00:00	1745.5	71.4	67.2	62.5
03/01/15	21:00:00	1745.5	71.3	60.7	59.9
03/01/15	22:00:00	1746.0	71.1	56.3	57.9
03/01/15	23:00:00	1746.4	70.8	53.0	56.2
03/02/15	00:00:00	1746.4	70.6	50.3	54.7
03/02/15	01:00:00	1746.9	70.6	48.2	53.7
03/02/15	02:00:00	1746.9	70.7	46.3	52.5
03/02/15	03:00:00	1746.9	70.6	45.5	51.9
03/02/15	04:00:00	1747.4	70.5	45.4	51.6
03/02/15	05:00:00	1747.8	70.5	45.1	51.2

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/02/15	06:00:00	1747.8	70.4	45.4	51.0
03/02/15	07:00:00	1747.9	70.2	45.5	50.7
03/02/15	08:00:00	1748.4	70.1	46.1	50.7
03/02/15	09:00:00	1748.4	70.5	48.6	51.9
03/02/15	10:00:00	1748.5	70.6	54.2	54.6
03/02/15	11:00:00	1748.6	70.6	60.5	57.9
03/02/15	12:00:00	1749.1	70.7	65.6	61.1
03/02/15	13:00:00	1749.2	70.9	70.4	64.3
03/02/15	14:00:00	1749.1	70.8	74.4	66.9
03/02/15	15:00:00	1747.4	71.1	77.9	69.1
03/02/15	16:00:00	1746.6	71.6	73.5	66.5
03/02/15	17:00:00	1747.7	71.3	65.0	62.8
03/02/15	18:00:00	1748.4	71.2	61.4	60.7
03/02/15	19:00:00	1748.7	70.8	57.7	58.6
03/02/15	20:00:00	1749.3	70.6	54.2	56.8
03/02/15	21:00:00	1749.4	70.5	51.8	55.5
03/02/15	22:00:00	1749.9	70.5	49.5	54.2
03/02/15	23:00:00	1749.9	70.3	47.4	53.0
03/03/15	00:00:00	1749.9	70.1	45.7	52.1
03/03/15	01:00:00	1750.7	69.7	44.1	51.3
03/03/15	02:00:00	1750.7	69.7	42.6	50.3
03/03/15	03:00:00	1750.9	69.7	41.4	49.6
03/03/15	04:00:00	1750.9	69.7	40.4	48.9
03/03/15	05:00:00	1751.5	69.7	39.8	48.3
03/03/15	06:00:00	1751.6	69.7	39.4	47.9
03/03/15	07:00:00	1751.2	69.6	38.8	47.4
03/03/15	08:00:00	1750.2	69.7	40.0	47.3
03/03/15	09:00:00	1746.2	69.9	46.4	49.7
03/03/15	10:00:00	1744.0	70.5	53.8	53.4
03/03/15	11:00:00	1742.2	70.5	60.5	56.9
03/03/15	12:00:00	1741.0	70.5	65.8	60.4
03/03/15	13:00:00	1740.1	70.5	70.2	63.8
03/03/15	14:00:00	1739.1	70.5	74.3	66.9
03/03/15	15:00:00	1738.3	70.5	77.0	69.8
03/03/15	16:00:00	1737.5	70.5	78.6	72.2
03/03/15	17:00:00	1737.2	70.9	76.3	69.3
03/03/15	18:00:00	1739.3	71.2	71.3	65.7
03/03/15	19:00:00	1741.1	70.8	65.7	62.8
03/03/15	20:00:00	1743.4	70.6	61.1	60.5
03/03/15	21:00:00	1744.7	70.6	57.0	58.4
03/03/15	22:00:00	1745.8	70.4	53.4	56.5
03/03/15	23:00:00	1746.5	70.0	50.8	54.9
03/04/15	00:00:00	1747.1	69.7	48.6	53.6
03/04/15	01:00:00	1747.8	69.7	47.0	52.7
03/04/15	02:00:00	1748.3	69.7	45.3	51.9
03/04/15	03:00:00	1748.4	69.7	43.5	50.9
03/04/15	04:00:00	1749.0	69.6	41.7	49.9
03/04/15	05:00:00	1749.6	69.5	39.9	48.9
03/04/15	06:00:00	1749.8	69.3	38.5	47.9
03/04/15	07:00:00	1750.6	69.2	37.5	47.2
03/04/15	08:00:00	1751.3	69.6	38.8	47.3
03/04/15	09:00:00	1751.6	69.7	46.1	49.8
03/04/15	10:00:00	1752.0	70.4	54.5	53.6
03/04/15	11:00:00	1752.1	70.6	61.2	57.2
03/04/15	12:00:00	1752.1	70.6	67.1	60.8
03/04/15	13:00:00	1752.1	70.6	73.0	64.5
03/04/15	14:00:00	1752.2	70.6	78.0	68.0
03/04/15	15:00:00	1752.3	70.6	82.0	71.4
03/04/15	16:00:00	1753.0	70.6	85.4	74.7
03/04/15	17:00:00	1753.0	70.6	87.1	73.3
03/04/15	18:00:00	1753.3	71.0	85.5	69.5
03/04/15	19:00:00	1753.6	71.1	78.7	66.5
03/04/15	20:00:00	1754.0	70.6	71.7	63.6
03/04/15	21:00:00	1754.5	70.6	65.0	61.0
03/04/15	22:00:00	1754.5	70.3	59.4	58.6
03/04/15	23:00:00	1754.7	69.9	55.0	56.7
03/05/15	00:00:00	1754.9	69.7	51.4	54.9
03/05/15	01:00:00	1755.1	69.7	48.2	53.4
03/05/15	02:00:00	1755.1	69.7	45.3	52.1
03/05/15	03:00:00	1755.3	69.5	43.0	50.9
03/05/15	04:00:00	1755.9	69.3	41.2	50.0
03/05/15	05:00:00	1755.9	69.2	39.7	49.1
03/05/15	06:00:00	1755.9	69.1	38.4	48.3
03/05/15	07:00:00	1756.2	69.1	37.4	47.6
03/05/15	08:00:00	1756.5	69.3	39.3	47.8
03/05/15	09:00:00	1757.0	69.7	46.7	50.5
03/05/15	10:00:00	1757.2	70.4	55.6	54.4
03/05/15	11:00:00	1757.3	70.5	63.5	58.2
03/05/15	12:00:00	1757.3	70.5	70.5	62.3
03/05/15	13:00:00	1757.1	70.5	76.7	66.2
03/05/15	14:00:00	1756.9	70.5	82.4	69.8
03/05/15	15:00:00	1757.0	70.5	86.8	73.5
03/05/15	16:00:00	1757.3	70.6	89.2	76.6
03/05/15	17:00:00	1757.5	70.6	89.2	74.9
03/05/15	18:00:00	1758.0	71.0	85.7	70.7
03/05/15	19:00:00	1758.3	71.0	78.0	67.5
03/05/15	20:00:00	1758.7	70.6	71.0	64.6
03/05/15	21:00:00	1758.8	70.5	64.9	61.9
03/05/15	22:00:00	1758.8	70.1	59.9	59.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/05/15	23:00:00	1758.8	69.7	55.7	57.6
03/06/15	00:00:00	1759.0	69.7	52.3	56.0
03/06/15	01:00:00	1759.4	69.8	49.4	54.5
03/06/15	02:00:00	1759.6	69.6	46.9	53.3
03/06/15	03:00:00	1759.6	69.5	45.0	52.2
03/06/15	04:00:00	1759.7	69.3	43.1	51.2
03/06/15	05:00:00	1760.0	69.2	41.5	50.3
03/06/15	06:00:00	1760.2	69.2	40.3	49.6
03/06/15	07:00:00	1760.2	69.2	39.3	49.0
03/06/15	08:00:00	1760.9	69.4	41.2	49.1
03/06/15	09:00:00	1761.0	69.8	48.3	51.5
03/06/15	10:00:00	1761.1	70.1	56.8	55.2
03/06/15	11:00:00	1761.1	70.3	64.8	59.2
03/06/15	12:00:00	1760.5	70.4	71.5	63.6
03/06/15	13:00:00	1760.7	70.3	77.6	67.6
03/06/15	14:00:00	1760.9	70.5	83.2	71.3
03/06/15	15:00:00	1761.1	70.5	86.9	74.9
03/06/15	16:00:00	1761.1	70.5	89.0	78.1
03/06/15	17:00:00	1761.3	70.6	89.7	76.7
03/06/15	18:00:00	1761.6	71.0	86.8	72.6
03/06/15	19:00:00	1761.7	70.9	77.6	69.0
03/06/15	20:00:00	1761.8	70.6	71.0	65.9
03/06/15	21:00:00	1762.3	70.5	65.4	63.3
03/06/15	22:00:00	1762.5	70.1	61.0	61.1
03/06/15	23:00:00	1762.5	69.8	57.2	59.0
03/07/15	00:00:00	1762.5	69.7	53.7	57.3
03/07/15	01:00:00	1762.6	69.7	50.8	55.8
03/07/15	02:00:00	1762.8	69.6	48.8	54.6
03/07/15	03:00:00	1763.1	69.3	47.4	53.6
03/07/15	04:00:00	1763.0	69.2	45.9	52.7
03/07/15	05:00:00	1763.0	69.2	44.7	52.0
03/07/15	06:00:00	1763.2	69.2	43.4	51.3
03/07/15	07:00:00	1763.4	69.2	42.3	50.6
03/07/15	08:00:00	1763.9	69.3	44.1	50.8
03/07/15	09:00:00	1764.0	69.7	51.2	53.5
03/07/15	10:00:00	1764.2	69.7	59.8	57.3
03/07/15	11:00:00	1764.1	70.0	68.1	61.4
03/07/15	12:00:00	1764.1	70.4	75.4	65.6
03/07/15	13:00:00	1764.5	70.6	81.8	69.4
03/07/15	14:00:00	1764.6	70.6	87.6	73.0
03/07/15	15:00:00	1764.5	70.6	92.1	76.7
03/07/15	16:00:00	1764.6	70.6	95.0	79.9
03/07/15	17:00:00	1764.6	70.7	96.5	78.7
03/07/15	18:00:00	1765.1	71.1	94.0	74.8
03/07/15	19:00:00	1765.3	71.1	85.6	71.5
03/07/15	20:00:00	1765.3	70.6	77.9	68.4
03/07/15	21:00:00	1765.4	70.5	72.1	65.8
03/07/15	22:00:00	1765.6	70.2	66.7	63.5
03/07/15	23:00:00	1765.9	69.8	62.2	61.4
03/08/15	00:00:00	1766.0	69.7	58.3	59.5
03/08/15	01:00:00	1766.1	69.7	54.7	57.9
03/08/15	02:00:00	(1)	(1)	(1)	(1)
03/08/15	03:00:00	1766.1	69.6	52.2	56.6
03/08/15	04:00:00	1766.1	69.3	50.0	55.4
03/08/15	05:00:00	1766.2	69.1	48.1	54.4
03/08/15	06:00:00	1766.8	69.1	46.5	53.5
03/08/15	07:00:00	1766.8	69.1	45.0	52.6
03/08/15	08:00:00	1766.8	69.1	43.4	51.8
03/08/15	09:00:00	1767.5	69.2	44.6	51.7
03/08/15	10:00:00	1767.7	69.6	51.1	54.0
03/08/15	11:00:00	1767.7	69.7	59.5	57.8
03/08/15	12:00:00	1767.7	70.0	67.6	61.9
03/08/15	13:00:00	1767.7	70.4	74.8	66.0
03/08/15	14:00:00	1767.7	70.4	80.8	70.0
03/08/15	15:00:00	1767.7	70.5	86.0	73.6
03/08/15	16:00:00	1767.7	70.6	90.5	77.3
03/08/15	17:00:00	1767.7	70.6	92.7	80.6
03/08/15	18:00:00	1768.0	70.7	92.2	79.0
03/08/15	19:00:00	1768.2	71.0	88.5	74.8
03/08/15	20:00:00	1768.2	70.8	81.5	71.5
03/08/15	21:00:00	1768.3	70.6	75.0	68.6
03/08/15	22:00:00	1768.6	70.5	69.0	65.9
03/08/15	23:00:00	1769.1	70.1	64.4	63.7
03/09/15	00:00:00	1769.1	69.8	60.8	61.9
03/09/15	01:00:00	1769.1	69.7	57.5	60.1
03/09/15	02:00:00	1769.1	69.7	54.8	58.6
03/09/15	03:00:00	1769.1	69.6	52.6	57.4
03/09/15	04:00:00	1769.6	69.4	50.7	56.2
03/09/15	05:00:00	1769.7	69.2	49.5	55.3
03/09/15	06:00:00	1769.7	69.1	48.3	54.5
03/09/15	07:00:00	1769.7	69.1	46.9	53.7
03/09/15	08:00:00	1770.1	69.1	45.6	53.1
03/09/15	09:00:00	1770.6	69.2	47.4	53.3
03/09/15	10:00:00	1770.7	69.6	54.6	55.9
03/09/15	11:00:00	1770.7	69.8	62.5	59.5
03/09/15	12:00:00	1770.7	70.1	69.7	63.5
03/09/15	13:00:00	1770.6	70.3	76.3	67.4
03/09/15	14:00:00	1770.6	70.4	82.5	71.2
03/09/15	15:00:00	1770.6	70.5	88.0	74.7

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/09/15	16:00:00	1770.6	70.5	91.9	78.2
03/09/15	17:00:00	1770.7	70.6	95.1	81.4
03/09/15	18:00:00	1771.0	70.6	96.7	80.2
03/09/15	19:00:00	1771.1	71.0	94.6	76.5
03/09/15	20:00:00	1771.1	70.9	87.1	73.3
03/09/15	21:00:00	1771.1	70.6	79.9	70.2
03/09/15	22:00:00	1771.5	70.5	73.2	67.4
03/09/15	23:00:00	1771.9	70.0	67.5	64.9
03/10/15	00:00:00	1771.9	69.8	63.1	62.8
03/10/15	01:00:00	1772.0	69.7	59.5	61.1
03/10/15	02:00:00	1772.3	69.7	56.3	59.6
03/10/15	03:00:00	1772.4	69.5	53.9	58.3
03/10/15	04:00:00	1772.0	69.4	51.9	57.2
03/10/15	05:00:00	1771.9	69.3	50.1	56.2
03/10/15	06:00:00	1772.0	69.2	48.8	55.4
03/10/15	07:00:00	1772.0	69.2	47.7	54.7
03/10/15	08:00:00	1772.5	69.1	46.8	54.2
03/10/15	09:00:00	1771.1	69.1	47.5	54.4
03/10/15	10:00:00	1771.8	69.2	52.6	56.3
03/10/15	11:00:00	1772.6	69.6	59.8	59.3
03/10/15	12:00:00	1772.7	69.7	68.5	63.4
03/10/15	13:00:00	1772.7	69.7	74.9	67.0
03/10/15	14:00:00	1772.7	69.9	80.3	70.1
03/10/15	15:00:00	1772.7	70.4	85.8	73.3
03/10/15	16:00:00	1773.1	70.7	84.8	73.5
03/10/15	17:00:00	1773.4	70.6	81.0	72.4
03/10/15	18:00:00	1773.4	70.5	78.3	71.3
03/10/15	19:00:00	1773.8	70.5	75.4	69.6
03/10/15	20:00:00	1774.9	70.4	72.0	67.9
03/10/15	21:00:00	1774.8	70.0	68.8	66.3
03/10/15	22:00:00	1774.5	69.8	66.0	64.8
03/10/15	23:00:00	1773.3	69.7	63.4	63.5
03/11/15	00:00:00	1773.0	69.7	61.0	62.1
03/11/15	01:00:00	1774.4	69.7	59.2	61.1
03/11/15	02:00:00	1774.8	69.7	57.9	60.2
03/11/15	03:00:00	1774.8	69.5	57.2	59.7
03/11/15	04:00:00	1775.0	69.6	56.9	59.3
03/11/15	05:00:00	1775.7	69.5	56.2	58.8
03/11/15	06:00:00	1775.6	69.3	55.3	58.2
03/11/15	07:00:00	1775.5	69.2	54.7	58.0
03/11/15	08:00:00	1775.2	69.2	54.4	57.6
03/11/15	09:00:00	1774.8	69.2	54.3	57.4
03/11/15	10:00:00	1775.6	69.2	54.6	57.5
03/11/15	11:00:00	1775.9	69.1	55.6	57.6
03/11/15	12:00:00	1776.8	69.2	57.1	58.4
03/11/15	13:00:00	1776.3	69.3	60.2	59.8
03/11/15	14:00:00	1776.4	69.5	62.8	60.8
03/11/15	15:00:00	1777.4	69.6	65.9	62.3
03/11/15	16:00:00	1777.7	69.7	69.2	64.1
03/11/15	17:00:00	1777.6	69.7	71.2	64.9
03/11/15	18:00:00	1777.4	69.7	69.8	64.7
03/11/15	19:00:00	1777.6	69.6	68.7	64.1
03/11/15	20:00:00	1777.7	69.7	66.4	62.8
03/11/15	21:00:00	1777.7	69.6	63.0	61.4
03/11/15	22:00:00	1777.7	69.4	60.0	60.1
03/11/15	23:00:00	1777.7	69.2	57.5	59.0
03/12/15	00:00:00	1777.7	69.2	55.5	58.0
03/12/15	01:00:00	1777.9	69.1	53.7	57.1
03/12/15	02:00:00	1778.3	69.1	52.1	56.2
03/12/15	03:00:00	1778.5	69.1	50.8	55.5
03/12/15	04:00:00	1778.5	69.1	49.7	54.7
03/12/15	05:00:00	1778.5	69.0	48.8	54.0
03/12/15	06:00:00	1778.5	68.9	48.2	53.6
03/12/15	07:00:00	1779.0	68.6	47.2	53.0
03/12/15	08:00:00	1779.3	68.5	47.0	52.5
03/12/15	09:00:00	1779.3	69.1	50.3	53.3
03/12/15	10:00:00	1779.4	69.4	56.8	56.1
03/12/15	11:00:00	1779.4	69.7	63.5	59.7
03/12/15	12:00:00	1779.3	69.7	68.6	63.2
03/12/15	13:00:00	1779.4	69.8	73.0	66.5
03/12/15	14:00:00	1779.3	69.8	77.5	69.6
03/12/15	15:00:00	1779.3	69.7	81.5	72.4
03/12/15	16:00:00	1779.6	69.8	85.1	75.2
03/12/15	17:00:00	1779.7	70.0	85.7	76.3
03/12/15	18:00:00	1779.9	70.2	84.8	74.9
03/12/15	19:00:00	1780.0	70.3	82.6	72.4
03/12/15	20:00:00	1780.0	70.3	77.8	69.9
03/12/15	21:00:00	1780.0	69.8	72.4	67.4
03/12/15	22:00:00	1780.3	69.7	67.7	65.4
03/12/15	23:00:00	1780.7	69.7	64.0	63.5
03/13/15	00:00:00	1781.6	69.6	61.3	62.0
03/13/15	01:00:00	1782.3	69.4	59.8	60.9
03/13/15	02:00:00	1781.4	69.2	57.4	59.6
03/13/15	03:00:00	1779.5	69.1	55.2	58.6
03/13/15	04:00:00	1780.3	69.1	53.5	57.5
03/13/15	05:00:00	1781.1	69.1	52.0	56.7
03/13/15	06:00:00	1780.8	69.1	50.9	56.0
03/13/15	07:00:00	1780.9	69.0	50.3	55.7
03/13/15	08:00:00	1780.8	69.0	50.4	55.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/13/15	09:00:00	1781.3	69.1	51.6	55.9
03/13/15	10:00:00	1781.4	69.4	57.9	58.2
03/13/15	11:00:00	1781.3	69.7	66.6	61.9
03/13/15	12:00:00	1782.3	69.7	74.6	66.0
03/13/15	13:00:00	1782.0	69.7	81.7	70.3
03/13/15	14:00:00	1782.7	69.9	86.9	73.6
03/13/15	15:00:00	1782.8	69.7	91.1	76.9
03/13/15	16:00:00	1783.2	70.2	95.0	79.7
03/13/15	17:00:00	1783.7	70.6	95.4	80.2
03/13/15	18:00:00	1784.0	70.7	95.1	79.7
03/13/15	19:00:00	1784.2	70.8	90.1	76.7
03/13/15	20:00:00	1784.4	70.6	83.7	74.0
03/13/15	21:00:00	1785.0	70.5	78.8	71.7
03/13/15	22:00:00	1785.1	70.2	74.8	69.9
03/13/15	23:00:00	1784.8	70.0	71.9	68.5
03/14/15	00:00:00	1784.5	69.7	69.3	67.2
03/14/15	01:00:00	1785.1	69.7	67.4	66.2
03/14/15	02:00:00	1785.5	69.7	65.7	65.2
03/14/15	03:00:00	1785.8	69.7	63.7	63.9
03/14/15	04:00:00	1785.9	69.6	61.5	62.7
03/14/15	05:00:00	1786.1	69.5	59.5	61.6
03/14/15	06:00:00	1786.6	69.2	57.8	60.7
03/14/15	07:00:00	1786.5	69.2	56.4	59.9
03/14/15	08:00:00	1787.0	69.1	55.4	59.4
03/14/15	09:00:00	1787.3	69.6	58.1	60.1
03/14/15	10:00:00	1787.3	69.7	64.9	62.5
03/14/15	11:00:00	1787.2	69.8	68.5	64.4
03/14/15	12:00:00	1787.6	69.8	72.7	66.5
03/14/15	13:00:00	1787.5	69.9	79.0	70.3
03/14/15	14:00:00	1787.9	69.9	86.2	74.9
03/14/15	15:00:00	1786.6	70.0	92.7	79.3
03/14/15	16:00:00	1784.9	70.5	96.7	82.8
03/14/15	17:00:00	1784.1	70.8	97.4	83.9
03/14/15	18:00:00	1783.6	70.8	95.7	82.4
03/14/15	19:00:00	1783.8	71.2	91.5	79.5
03/14/15	20:00:00	1784.2	70.7	86.8	76.7
03/14/15	21:00:00	1784.2	70.6	82.5	74.4
03/14/15	22:00:00	1784.3	70.6	78.6	72.2
03/14/15	23:00:00	1784.4	70.4	74.8	70.4
03/15/15	00:00:00	1784.3	69.9	71.4	68.7
03/15/15	01:00:00	1784.6	69.8	68.5	67.2
03/15/15	02:00:00	1784.7	69.7	66.0	65.9
03/15/15	03:00:00	1785.1	69.7	63.7	64.7
03/15/15	04:00:00	1785.1	69.7	61.7	63.4
03/15/15	05:00:00	1785.1	69.5	59.9	62.5
03/15/15	06:00:00	1785.1	69.4	58.5	61.6
03/15/15	07:00:00	1785.1	69.2	57.6	61.0
03/15/15	08:00:00	1785.1	69.2	57.3	60.5
03/15/15	09:00:00	1785.2	69.2	57.6	60.5
03/15/15	10:00:00	1784.9	69.7	63.0	62.7
03/15/15	11:00:00	1785.3	69.9	71.5	66.4
03/15/15	12:00:00	1784.6	70.0	77.2	69.6
03/15/15	13:00:00	1783.1	70.1	81.2	72.1
03/15/15	14:00:00	1782.1	70.3	85.3	75.0
03/15/15	15:00:00	1782.9	70.5	89.1	77.9
03/15/15	16:00:00	1783.1	70.6	87.7	78.3
03/15/15	17:00:00	1783.7	70.3	84.5	78.5
03/15/15	18:00:00	1784.0	70.2	84.2	77.6
03/15/15	19:00:00	1784.2	70.5	80.3	73.7
03/15/15	20:00:00	1784.5	70.2	74.2	70.7
03/15/15	21:00:00	1785.0	69.8	69.2	68.0
03/15/15	22:00:00	1785.1	69.7	64.9	65.6
03/15/15	23:00:00	1785.2	69.6	61.1	63.6
03/16/15	00:00:00	1785.4	69.3	58.5	61.9
03/16/15	01:00:00	1785.8	69.2	56.6	60.7
03/16/15	02:00:00	1785.3	69.1	55.3	59.8
03/16/15	03:00:00	1784.6	69.1	54.3	59.1
03/16/15	04:00:00	1785.4	69.1	53.7	58.5
03/16/15	05:00:00	1785.8	69.1	53.1	58.0
03/16/15	06:00:00	1785.8	69.1	52.4	57.4
03/16/15	07:00:00	1785.8	69.0	51.8	57.0
03/16/15	08:00:00	1785.9	68.9	51.6	56.8
03/16/15	09:00:00	1786.3	68.9	52.3	57.0
03/16/15	10:00:00	1786.5	69.0	53.9	57.7
03/16/15	11:00:00	1786.6	69.1	57.8	59.5
03/16/15	12:00:00	1786.6	69.2	63.2	62.1
03/16/15	13:00:00	1786.6	69.5	69.6	65.3
03/16/15	14:00:00	1786.3	69.6	74.9	68.4
03/16/15	15:00:00	1787.3	69.8	79.3	71.3
03/16/15	16:00:00	1787.1	69.7	82.3	73.5
03/16/15	17:00:00	1788.1	69.8	81.9	73.7
03/16/15	18:00:00	1788.7	70.1	78.8	72.1
03/16/15	19:00:00	1789.3	69.8	74.1	70.0
03/16/15	20:00:00	1789.4	69.7	70.2	68.0
03/16/15	21:00:00	1790.0	69.7	67.3	66.4
03/16/15	22:00:00	1790.3	69.7	65.1	65.2
03/16/15	23:00:00	1790.5	69.5	63.5	64.2
03/17/15	00:00:00	1790.9	69.3	62.1	63.3
03/17/15	01:00:00	1790.9	69.2	61.0	62.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/17/15	02:00:00	1791.6	69.2	60.0	62.0
03/17/15	03:00:00	1791.7	69.2	59.3	61.5
03/17/15	04:00:00	1791.7	69.2	58.9	61.1
03/17/15	05:00:00	1792.1	69.2	58.4	60.6
03/17/15	06:00:00	1792.3	69.2	57.6	60.0
03/17/15	07:00:00	1792.3	69.2	56.4	59.3
03/17/15	08:00:00	1792.6	69.1	55.0	58.5
03/17/15	09:00:00	1793.1	69.2	55.3	58.5
03/17/15	10:00:00	1793.4	69.5	61.0	60.5
03/17/15	11:00:00	1793.8	69.8	66.9	63.6
03/17/15	12:00:00	1793.8	69.8	71.2	66.5
03/17/15	13:00:00	1793.9	69.8	74.6	69.4
03/17/15	14:00:00	1793.8	69.8	78.5	72.3
03/17/15	15:00:00	1793.9	69.8	82.1	74.9
03/17/15	16:00:00	1793.9	69.9	84.9	77.7
03/17/15	17:00:00	1794.4	70.0	86.7	80.6
03/17/15	18:00:00	1794.6	70.1	86.7	79.0
03/17/15	19:00:00	1794.6	70.3	83.2	74.3
03/17/15	20:00:00	1794.8	70.2	74.5	70.5
03/17/15	21:00:00	1795.1	69.7	67.0	67.1
03/17/15	22:00:00	1795.3	69.7	62.7	64.6
03/17/15	23:00:00	1795.3	69.4	60.2	62.9
03/18/15	00:00:00	1795.3	69.2	58.5	61.5
03/18/15	01:00:00	1795.5	69.2	57.0	60.3
03/18/15	02:00:00	1795.5	69.2	55.6	59.4
03/18/15	03:00:00	1795.9	69.1	54.0	58.5
03/18/15	04:00:00	1796.0	69.1	52.4	57.7
03/18/15	05:00:00	1796.0	69.0	50.9	56.7
03/18/15	06:00:00	1796.2	68.7	49.8	56.0
03/18/15	07:00:00	1795.6	68.5	48.6	55.3
03/18/15	08:00:00	1795.3	68.4	47.8	54.8
03/18/15	09:00:00	1795.2	69.1	50.7	55.3
03/18/15	10:00:00	1794.2	69.2	59.1	58.2
03/18/15	11:00:00	1794.3	69.7	66.5	62.0
03/18/15	12:00:00	1794.5	69.7	71.5	65.6
03/18/15	13:00:00	1794.5	69.7	75.5	69.0
03/18/15	14:00:00	1794.0	69.7	79.7	72.3
03/18/15	15:00:00	1794.1	69.7	84.2	75.4
03/18/15	16:00:00	1794.1	69.7	87.7	78.8
03/18/15	17:00:00	1794.1	69.7	89.8	82.0
03/18/15	18:00:00	1794.3	70.1	89.7	80.3
03/18/15	19:00:00	1794.5	70.2	86.0	75.6
03/18/15	20:00:00	1794.4	70.3	79.8	72.5
03/18/15	21:00:00	1794.6	69.7	73.1	69.6
03/18/15	22:00:00	1794.6	69.7	67.8	67.2
03/18/15	23:00:00	1794.6	69.5	63.7	64.9
03/19/15	00:00:00	1794.6	69.2	60.4	63.1
03/19/15	01:00:00	1794.6	69.2	58.6	61.7
03/19/15	02:00:00	1794.6	69.1	56.9	60.6
03/19/15	03:00:00	1794.6	69.1	54.6	59.3
03/19/15	04:00:00	1794.9	69.0	52.5	58.2
03/19/15	05:00:00	1795.0	68.7	51.0	57.3
03/19/15	06:00:00	1795.1	68.6	49.5	56.3
03/19/15	07:00:00	1795.1	68.4	47.9	55.3
03/19/15	08:00:00	1795.3	68.4	46.9	54.6
03/19/15	09:00:00	1793.8	69.1	50.3	55.1
03/19/15	10:00:00	1792.9	69.2	57.7	57.5
03/19/15	11:00:00	1793.4	69.6	66.2	61.3
03/19/15	12:00:00	1793.9	69.7	74.2	65.7
03/19/15	13:00:00	1793.9	69.7	80.9	69.9
03/19/15	14:00:00	1794.3	69.8	87.0	73.7
03/19/15	15:00:00	1794.5	69.9	92.3	77.4
03/19/15	16:00:00	1794.5	70.0	95.8	81.5
03/19/15	17:00:00	1793.3	70.4	96.9	84.9
03/19/15	18:00:00	1793.5	70.6	95.2	83.0
03/19/15	19:00:00	1794.1	70.7	92.3	78.7
03/19/15	20:00:00	1794.6	70.6	86.6	75.4
03/19/15	21:00:00	1794.6	69.9	80.0	72.3
03/19/15	22:00:00	1794.7	69.8	73.7	69.5
03/19/15	23:00:00	1794.8	69.7	68.6	67.0
03/20/15	00:00:00	1795.2	69.5	64.2	64.7
03/20/15	01:00:00	1795.2	69.2	60.3	62.8
03/20/15	02:00:00	1794.2	69.2	57.5	61.2
03/20/15	03:00:00	1794.6	69.2	54.7	59.8
03/20/15	04:00:00	1795.3	69.1	52.3	58.5
03/20/15	05:00:00	1795.4	68.7	50.2	57.4
03/20/15	06:00:00	1795.4	68.5	48.6	56.3
03/20/15	07:00:00	1795.6	68.3	47.2	55.5
03/20/15	08:00:00	1796.1	68.4	46.5	55.1
03/20/15	09:00:00	1796.2	68.7	50.1	55.8
03/20/15	10:00:00	1796.2	69.0	55.9	58.2
03/20/15	11:00:00	1796.1	69.1	62.0	60.9
03/20/15	12:00:00	1795.5	69.2	67.6	63.8
03/20/15	13:00:00	1796.0	69.3	73.5	67.2
03/20/15	14:00:00	1796.0	69.8	79.2	70.2
03/20/15	15:00:00	1796.4	69.8	81.6	72.5
03/20/15	16:00:00	1796.6	69.8	83.4	74.7
03/20/15	17:00:00	1796.7	70.2	82.3	74.5
03/20/15	18:00:00	1796.7	69.9	79.7	73.1

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/20/15	19:00:00	1796.8	69.9	76.3	71.0
03/20/15	20:00:00	1796.9	69.8	70.7	68.3
03/20/15	21:00:00	1797.2	69.6	65.7	65.8
03/20/15	22:00:00	1797.3	69.3	62.2	63.8
03/20/15	23:00:00	1797.4	69.2	59.0	61.9
03/21/15	00:00:00	1797.5	69.2	56.4	60.4
03/21/15	01:00:00	1797.5	69.1	55.5	59.5
03/21/15	02:00:00	1797.5	69.0	55.2	59.0
03/21/15	03:00:00	1797.5	69.0	56.0	59.0
03/21/15	04:00:00	1798.3	69.1	56.5	59.0
03/21/15	05:00:00	1798.0	69.0	55.8	58.5
03/21/15	06:00:00	1798.2	68.6	53.9	57.6
03/21/15	07:00:00	1798.4	68.4	52.4	56.9
03/21/15	08:00:00	1798.4	68.6	51.8	56.6
03/21/15	09:00:00	1798.6	68.9	54.1	57.3
03/21/15	10:00:00	1798.7	69.1	61.4	59.8
03/21/15	11:00:00	1798.9	69.6	68.6	63.4
03/21/15	12:00:00	1799.0	69.6	74.4	67.2
03/21/15	13:00:00	1799.0	69.6	79.6	70.9
03/21/15	14:00:00	1798.9	69.6	83.9	74.3
03/21/15	15:00:00	1799.0	69.9	87.5	76.9
03/21/15	16:00:00	1799.0	70.2	89.8	78.9
03/21/15	17:00:00	1798.9	70.3	88.7	79.0
03/21/15	18:00:00	1798.9	70.4	87.2	78.0
03/21/15	19:00:00	1799.0	70.4	82.3	75.1
03/21/15	20:00:00	1799.0	69.9	77.2	72.4
03/21/15	21:00:00	1799.2	69.7	71.8	69.8
03/21/15	22:00:00	1799.6	69.6	67.3	67.5
03/21/15	23:00:00	1799.7	69.4	63.8	65.4
03/22/15	00:00:00	1799.8	69.2	61.8	64.1
03/22/15	01:00:00	1799.8	69.1	60.5	63.1
03/22/15	02:00:00	1799.8	69.1	59.1	62.0
03/22/15	03:00:00	1799.8	69.1	57.7	61.2
03/22/15	04:00:00	1800.1	69.1	56.9	60.5
03/22/15	05:00:00	1800.3	69.1	56.3	60.1
03/22/15	06:00:00	1800.4	69.1	55.7	59.6
03/22/15	07:00:00	1800.5	69.0	54.8	59.1
03/22/15	08:00:00	1800.5	68.8	53.8	58.5
03/22/15	09:00:00	1800.6	69.0	54.6	58.7
03/22/15	10:00:00	1801.0	69.3	61.7	60.9
03/22/15	11:00:00	1801.2	69.7	69.8	64.3
03/22/15	12:00:00	1801.1	69.7	74.7	67.3
03/22/15	13:00:00	1801.2	69.7	76.1	69.2
03/22/15	14:00:00	1801.2	69.7	76.9	70.6
03/22/15	15:00:00	1801.1	69.6	79.1	73.0
03/22/15	16:00:00	1801.1	69.9	81.6	75.0
03/22/15	17:00:00	1801.2	69.9	79.2	74.4
03/22/15	18:00:00	1801.2	69.9	77.2	73.3
03/22/15	19:00:00	1801.2	69.7	70.8	69.6
03/22/15	20:00:00	1801.2	69.6	65.5	66.7
03/22/15	21:00:00	1801.3	69.4	62.0	64.3
03/22/15	22:00:00	1801.4	69.2	59.9	62.9
03/22/15	23:00:00	1801.8	69.2	59.0	62.0
03/23/15	00:00:00	1801.9	69.1	58.5	61.5
03/23/15	01:00:00	1801.9	69.1	57.2	60.8
03/23/15	02:00:00	1801.9	69.1	56.0	59.9
03/23/15	03:00:00	1801.9	69.1	55.2	59.3
03/23/15	04:00:00	1801.9	69.0	54.8	58.8
03/23/15	05:00:00	1801.9	68.9	54.0	58.1
03/23/15	06:00:00	1802.0	68.5	52.4	57.3
03/23/15	07:00:00	1802.4	68.3	50.7	56.5
03/23/15	08:00:00	1802.1	68.4	50.2	56.0
03/23/15	09:00:00	1802.6	69.0	54.1	56.9
03/23/15	10:00:00	1802.7	69.1	59.6	59.1
03/23/15	11:00:00	1802.7	69.1	63.2	61.1
03/23/15	12:00:00	1802.8	69.4	67.4	63.5
03/23/15	13:00:00	1802.8	69.5	72.2	66.6
03/23/15	14:00:00	1802.9	69.4	74.7	68.7
03/23/15	15:00:00	1802.7	69.5	77.8	71.6
03/23/15	16:00:00	1802.9	69.5	80.4	74.7
03/23/15	17:00:00	1803.0	69.7	81.7	77.3
03/23/15	18:00:00	1803.2	69.7	79.8	74.6
03/23/15	19:00:00	1803.4	69.7	75.0	70.4
03/23/15	20:00:00	1803.4	69.6	67.1	66.8
03/23/15	21:00:00	1803.4	69.2	61.4	63.8
03/23/15	22:00:00	1803.4	69.1	58.3	61.7
03/23/15	23:00:00	1803.5	69.1	56.6	60.3
03/24/15	00:00:00	1804.0	69.0	55.5	59.3
03/24/15	01:00:00	1803.8	68.8	54.7	58.5
03/24/15	02:00:00	1804.0	68.6	53.8	57.9
03/24/15	03:00:00	1803.9	68.4	52.7	57.3
03/24/15	04:00:00	1804.1	68.3	51.6	56.6
03/24/15	05:00:00	1804.1	68.3	51.3	56.2
03/24/15	06:00:00	1804.0	68.3	51.4	55.8
03/24/15	07:00:00	1804.1	68.3	51.4	55.6
03/24/15	08:00:00	1804.2	68.3	51.4	55.7
03/24/15	09:00:00	1804.8	68.7	54.6	56.6
03/24/15	10:00:00	1804.7	69.0	59.5	58.7
03/24/15	11:00:00	1804.9	69.1	64.7	61.8

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/24/15	12:00:00	1805.0	69.2	68.5	64.6
03/24/15	13:00:00	1805.0	69.5	72.6	67.7
03/24/15	14:00:00	1805.0	69.5	75.1	69.9
03/24/15	15:00:00	1805.0	69.4	77.6	71.8
03/24/15	16:00:00	1805.0	69.8	79.6	73.2
03/24/15	17:00:00	1805.0	69.6	76.9	72.3
03/24/15	18:00:00	1805.0	69.6	75.8	71.6
03/24/15	19:00:00	1805.0	69.7	72.4	69.7
03/24/15	20:00:00	1804.7	69.6	68.6	67.6
03/24/15	21:00:00	1804.9	69.4	64.9	65.5
03/24/15	22:00:00	1805.0	69.1	61.7	63.6
03/24/15	23:00:00	1805.0	69.1	59.3	62.1
03/25/15	00:00:00	1805.3	69.1	57.4	60.8
03/25/15	01:00:00	1805.5	69.0	55.7	59.7
03/25/15	02:00:00	1805.5	68.9	54.3	58.8
03/25/15	03:00:00	1805.5	68.5	53.3	57.9
03/25/15	04:00:00	1805.5	68.4	52.5	57.3
03/25/15	05:00:00	1805.5	68.3	52.2	56.7
03/25/15	06:00:00	1805.5	68.3	51.5	56.3
03/25/15	07:00:00	1805.5	68.3	50.5	55.7
03/25/15	08:00:00	1805.8	68.3	49.9	55.3
03/25/15	09:00:00	1806.3	69.0	54.2	56.1
03/25/15	10:00:00	1806.4	69.1	61.1	58.4
03/25/15	11:00:00	1804.0	69.0	67.1	62.0
03/25/15	12:00:00	1802.3	69.2	72.8	66.0
03/25/15	13:00:00	1801.1	69.3	77.6	69.7
03/25/15	14:00:00	1800.2	69.4	82.2	73.4
03/25/15	15:00:00	1799.3	69.3	86.8	76.8
03/25/15	16:00:00	1798.7	69.5	91.6	80.5
03/25/15	17:00:00	1798.2	69.6	95.0	83.9
03/25/15	18:00:00	1798.6	69.7	96.0	81.7
03/25/15	19:00:00	1798.3	69.9	94.5	78.5
03/25/15	20:00:00	1798.4	70.4	88.9	75.6
03/25/15	21:00:00	1799.1	69.8	81.6	72.8
03/25/15	22:00:00	1801.6	69.7	74.3	70.2
03/25/15	23:00:00	1803.1	69.7	69.7	68.1
03/26/15	00:00:00	1804.0	69.5	66.0	66.1
03/26/15	01:00:00	1805.0	69.3	62.5	64.3
03/26/15	02:00:00	1805.5	69.2	59.3	62.7
03/26/15	03:00:00	1806.0	69.1	56.8	61.3
03/26/15	04:00:00	1807.1	69.1	54.7	60.1
03/26/15	05:00:00	1807.8	68.9	53.2	59.2
03/26/15	06:00:00	1808.5	68.8	52.0	58.3
03/26/15	07:00:00	1808.7	68.5	50.9	57.5
03/26/15	08:00:00	1809.5	68.7	50.1	57.0
03/26/15	09:00:00	1810.3	69.1	54.6	57.7
03/26/15	10:00:00	1810.5	69.4	63.0	60.4
03/26/15	11:00:00	1809.7	69.7	71.8	64.5
03/26/15	12:00:00	1810.2	69.8	79.3	68.9
03/26/15	13:00:00	1810.6	69.7	85.6	73.3
03/26/15	14:00:00	1810.6	69.8	91.1	77.4
03/26/15	15:00:00	1810.6	69.8	96.4	81.1
03/26/15	16:00:00	1811.3	70.2	101.1	85.1
03/26/15	17:00:00	1811.7	70.5	104.1	88.4
03/26/15	18:00:00	1812.1	70.7	105.7	86.6
03/26/15	19:00:00	1812.5	70.8	102.6	83.4
03/26/15	20:00:00	1813.0	70.9	94.3	80.2
03/26/15	21:00:00	1813.4	70.5	86.3	76.9
03/26/15	22:00:00	1813.7	70.4	79.9	74.1
03/26/15	23:00:00	1814.0	69.9	75.4	71.8
03/27/15	00:00:00	1814.3	69.7	71.3	69.7
03/27/15	01:00:00	1814.4	69.7	67.6	67.7
03/27/15	02:00:00	1815.1	69.6	64.3	66.0
03/27/15	03:00:00	1815.1	69.5	61.6	64.6
03/27/15	04:00:00	1815.3	69.3	59.3	63.3
03/27/15	05:00:00	1815.8	69.1	57.3	62.2
03/27/15	06:00:00	1815.8	69.1	55.6	61.3
03/27/15	07:00:00	1816.1	69.1	54.1	60.4
03/27/15	08:00:00	1816.7	69.1	53.4	59.7
03/27/15	09:00:00	1817.3	69.6	57.9	60.5
03/27/15	10:00:00	1817.3	69.7	66.2	63.1
03/27/15	11:00:00	1817.5	70.0	74.4	67.2
03/27/15	12:00:00	1817.8	70.5	81.6	71.8
03/27/15	13:00:00	1817.8	70.6	86.9	76.2
03/27/15	14:00:00	1817.8	70.6	90.2	79.8
03/27/15	15:00:00	1817.8	70.7	93.0	82.7
03/27/15	16:00:00	1817.9	70.7	95.6	85.7
03/27/15	17:00:00	1817.9	70.7	94.6	87.5
03/27/15	18:00:00	1818.2	70.6	90.8	83.9
03/27/15	19:00:00	1818.7	70.7	87.0	79.1
03/27/15	20:00:00	1818.7	70.7	78.8	75.2
03/27/15	21:00:00	1819.0	70.5	71.8	71.8
03/27/15	22:00:00	1819.3	69.9	66.8	68.9
03/27/15	23:00:00	1819.4	69.8	63.0	66.5
03/28/15	00:00:00	1819.4	69.7	60.4	64.8
03/28/15	01:00:00	1819.8	69.4	58.0	63.4
03/28/15	02:00:00	1820.1	69.2	56.4	62.0
03/28/15	03:00:00	1820.2	69.2	56.6	61.1
03/28/15	04:00:00	1820.4	69.2	56.4	60.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/28/15	05:00:00	1820.9	69.1	55.3	59.8
03/28/15	06:00:00	1821.0	69.1	54.4	59.2
03/28/15	07:00:00	1821.0	69.1	53.3	58.6
03/28/15	08:00:00	1821.6	69.1	52.2	58.0
03/28/15	09:00:00	1821.8	69.2	56.0	58.7
03/28/15	10:00:00	1821.9	69.5	61.2	60.9
03/28/15	11:00:00	1821.9	69.7	68.2	64.7
03/28/15	12:00:00	1822.2	69.8	74.7	68.8
03/28/15	13:00:00	1822.3	70.0	79.8	72.9
03/28/15	14:00:00	1822.3	70.1	84.6	76.8
03/28/15	15:00:00	1822.3	70.2	89.6	80.4
03/28/15	16:00:00	1822.4	70.6	93.6	84.2
03/28/15	17:00:00	1822.4	70.6	95.6	87.6
03/28/15	18:00:00	1822.5	70.9	94.6	85.2
03/28/15	19:00:00	1823.0	70.8	90.6	80.6
03/28/15	20:00:00	1823.2	70.8	83.7	76.9
03/28/15	21:00:00	1823.2	70.6	76.1	73.4
03/28/15	22:00:00	1820.3	70.1	70.3	70.5
03/28/15	23:00:00	1820.4	69.8	65.6	67.8
03/29/15	00:00:00	1821.1	69.7	62.0	65.7
03/29/15	01:00:00	1821.3	69.6	59.4	64.0
03/29/15	02:00:00	1821.5	69.4	58.1	62.8
03/29/15	03:00:00	1821.6	69.2	57.0	61.7
03/29/15	04:00:00	1821.7	69.1	54.6	60.4
03/29/15	05:00:00	1821.8	69.1	52.7	59.3
03/29/15	06:00:00	1821.8	69.1	51.3	58.3
03/29/15	07:00:00	1821.8	69.0	49.6	57.3
03/29/15	08:00:00	1822.0	69.0	48.7	56.6
03/29/15	09:00:00	1822.5	69.4	53.9	57.7
03/29/15	10:00:00	1822.5	69.6	63.4	61.3
03/29/15	11:00:00	1822.4	69.7	72.5	66.0
03/29/15	12:00:00	1822.1	70.3	78.9	70.5
03/29/15	13:00:00	1822.0	70.5	83.8	74.8
03/29/15	14:00:00	1821.7	70.6	89.0	78.8
03/29/15	15:00:00	1821.8	70.6	94.0	82.3
03/29/15	16:00:00	1821.9	70.6	97.7	86.1
03/29/15	17:00:00	1821.7	70.9	99.6	89.6
03/29/15	18:00:00	1822.1	71.2	99.0	87.7
03/29/15	19:00:00	1822.3	71.1	95.9	82.9
03/29/15	20:00:00	1822.4	71.2	89.4	79.1
03/29/15	21:00:00	1822.5	70.6	82.6	75.8
03/29/15	22:00:00	1822.5	70.5	76.5	72.9
03/29/15	23:00:00	1822.6	70.0	71.1	70.2
03/30/15	00:00:00	1822.8	69.7	66.4	67.6
03/30/15	01:00:00	1822.9	69.7	62.4	65.6
03/30/15	02:00:00	1823.2	69.6	58.8	63.8
03/30/15	03:00:00	1823.2	69.3	56.1	62.2
03/30/15	04:00:00	1823.2	69.2	54.0	60.8
03/30/15	05:00:00	1823.2	69.1	51.9	59.6
03/30/15	06:00:00	1823.2	69.1	50.1	58.5
03/30/15	07:00:00	1823.3	69.1	48.8	57.5
03/30/15	08:00:00	1823.7	69.1	48.4	57.0
03/30/15	09:00:00	1824.0	69.5	54.1	58.2
03/30/15	10:00:00	1823.9	69.7	63.9	61.9
03/30/15	11:00:00	1824.5	70.0	72.3	66.2
03/30/15	12:00:00	1825.0	70.5	79.4	70.9
03/30/15	13:00:00	1825.4	70.5	85.2	75.0
03/30/15	14:00:00	(2)	70.5	89.6	78.2
03/30/15	15:00:00	1143.4	70.7	92.7	80.4
03/30/15	16:00:00	1825.4	70.6	95.8	84.0
03/30/15	17:00:00	1825.8	71.1	96.8	86.3
03/30/15	18:00:00	1826.1	71.2	92.3	83.8
03/30/15	19:00:00	1826.1	71.1	84.0	78.9
03/30/15	20:00:00	1826.7	70.7	76.3	74.8
03/30/15	21:00:00	1826.8	70.6	70.9	71.6
03/30/15	22:00:00	1826.8	70.1	66.8	69.1
03/30/15	23:00:00	1826.6	69.8	62.9	66.9
03/31/15	00:00:00	1826.2	69.7	59.9	65.0
03/31/15	01:00:00	1826.3	69.6	57.4	63.4
03/31/15	02:00:00	1826.7	69.5	57.9	62.4
03/31/15	03:00:00	1826.8	69.5	58.6	61.9
03/31/15	04:00:00	1826.8	69.3	58.7	61.4
03/31/15	05:00:00	1826.8	69.3	58.0	60.6
03/31/15	06:00:00	1826.8	69.2	57.1	59.8
03/31/15	07:00:00	1826.8	69.2	56.5	59.2
03/31/15	08:00:00	1826.8	69.3	56.0	58.8
03/31/15	09:00:00	1826.8	69.7	59.3	59.8
03/31/15	10:00:00	1827.0	69.7	63.9	62.3
03/31/15	11:00:00	1827.3	69.9	67.8	65.2
03/31/15	12:00:00	1827.0	70.3	70.8	68.1
03/31/15	13:00:00	1827.0	70.4	73.7	71.0
03/31/15	14:00:00	1826.9	70.2	76.8	73.6
03/31/15	15:00:00	1826.9	70.0	80.2	75.9
03/31/15	16:00:00	1826.9	70.5	82.7	78.3
03/31/15	17:00:00	1827.2	70.5	83.1	80.3
03/31/15	18:00:00	1827.3	70.5	82.1	79.2
03/31/15	19:00:00	1827.5	70.5	79.2	74.4
03/31/15	20:00:00	1827.5	70.5	74.1	71.5
03/31/15	21:00:00	1827.5	70.0	68.2	68.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/31/15	22:00:00	1827.7	69.7	63.1	65.9
03/31/15	23:00:00	1828.0	69.7	59.4	63.8
04/01/15	00:00:00	1828.1	69.5	56.1	61.8
04/01/15	01:00:00	1828.4	69.2	53.3	59.9
04/01/15	02:00:00	1828.4	69.1	51.5	58.5
04/01/15	03:00:00	1828.4	69.1	50.1	57.4
04/01/15	04:00:00	1828.4	69.1	48.6	56.3
04/01/15	05:00:00	1828.5	68.9	46.7	55.2
04/01/15	06:00:00	1828.8	68.6	45.4	54.3
04/01/15	07:00:00	1828.9	68.5	44.6	53.4
04/01/15	08:00:00	1826.6	68.6	44.6	53.1
04/01/15	09:00:00	1824.3	69.0	50.5	54.5
04/01/15	10:00:00	1823.1	69.2	58.3	57.7
04/01/15	11:00:00	1822.2	69.5	64.0	61.3
04/01/15	12:00:00	1821.3	69.5	68.4	65.1
04/01/15	13:00:00	1820.5	69.5	71.2	67.8
04/01/15	14:00:00	1819.7	69.5	73.7	69.8
04/01/15	15:00:00	1818.9	69.5	77.3	72.2
04/01/15	16:00:00	1818.3	69.9	80.1	74.5
04/01/15	17:00:00	1817.7	69.5	81.2	77.1
04/01/15	18:00:00	1817.2	69.6	81.7	77.3
04/01/15	19:00:00	1816.7	69.8	78.3	72.2
04/01/15	20:00:00	1816.3	69.7	70.1	68.2
04/01/15	21:00:00	1815.9	69.5	62.7	64.7
04/01/15	22:00:00	1815.3	69.2	58.4	62.3
04/01/15	23:00:00	1815.1	69.0	55.6	60.6
04/02/15	00:00:00	1814.5	69.0	53.9	59.3
04/02/15	01:00:00	1814.2	69.0	52.4	58.2
04/02/15	02:00:00	1813.7	68.8	50.9	57.2
04/02/15	03:00:00	1813.6	68.7	50.3	56.5
04/02/15	04:00:00	1813.0	68.5	50.3	55.9
04/02/15	05:00:00	1812.9	68.4	50.1	55.3
04/02/15	06:00:00	1812.5	68.3	49.4	54.7
04/02/15	07:00:00	1812.2	68.1	48.8	54.0
04/02/15	08:00:00	1811.9	68.4	48.9	53.8
04/02/15	09:00:00	1811.5	68.9	53.1	55.0
04/02/15	10:00:00	1811.5	68.9	58.7	57.8
04/02/15	11:00:00	1811.3	69.3	63.5	61.3
04/02/15	12:00:00	1810.9	69.4	67.5	64.9
04/02/15	13:00:00	1810.8	69.5	70.9	68.4
04/02/15	14:00:00	1810.2	69.5	74.7	71.5
04/02/15	15:00:00	1810.0	69.5	78.6	74.4
04/02/15	16:00:00	1810.0	69.6	81.4	77.4
04/02/15	17:00:00	1809.6	69.5	82.7	80.2
04/02/15	18:00:00	1809.4	69.6	82.2	79.3
04/02/15	19:00:00	1809.3	69.8	80.3	74.6
04/02/15	20:00:00	1809.3	70.1	75.1	71.3
04/02/15	21:00:00	1809.1	69.6	68.2	68.0
04/02/15	22:00:00	1808.8	69.5	61.7	64.7
04/02/15	23:00:00	1808.6	69.1	57.2	62.1
04/03/15	00:00:00	1808.6	69.0	54.8	60.3
04/03/15	01:00:00	1808.3	69.0	52.6	58.8
04/03/15	02:00:00	1808.0	68.9	50.7	57.6
04/03/15	03:00:00	1807.9	68.6	49.3	56.6
04/03/15	04:00:00	1807.9	68.4	47.6	55.6
04/03/15	05:00:00	1807.7	68.2	45.6	54.5
04/03/15	06:00:00	1807.5	68.1	44.9	53.7
04/03/15	07:00:00	1807.2	68.1	44.3	53.1
04/03/15	08:00:00	(3)	(3)	(3)	(3)
04/03/15	09:00:00	1807.2	68.9	50.5	54.4
04/03/15	10:00:00	1807.2	69.0	57.1	57.1
04/03/15	11:00:00	1809.9	69.5	64.7	61.0
04/03/15	12:00:00	1812.2	69.7	70.7	65.1
04/03/15	13:00:00	1813.5	69.7	75.2	69.3
04/03/15	14:00:00	1814.6	69.7	79.9	73.1
04/03/15	15:00:00	1815.4	69.9	85.1	76.7
04/03/15	16:00:00	1816.2	70.4	89.0	80.4
04/03/15	17:00:00	1816.5	70.5	90.8	83.4
04/03/15	18:00:00	1817.7	70.6	90.0	82.7
04/03/15	19:00:00	1818.4	70.7	85.8	77.3
04/03/15	20:00:00	1819.2	70.6	77.0	72.9
04/03/15	21:00:00	1819.7	70.2	67.8	68.5
04/03/15	22:00:00	1820.5	69.7	61.5	65.2
04/03/15	23:00:00	1821.2	69.7	57.6	62.9
04/04/15	00:00:00	1821.8	69.3	53.8	60.6
04/04/15	01:00:00	1822.4	69.1	50.6	58.7
04/04/15	02:00:00	1822.9	69.1	49.1	57.5
04/04/15	03:00:00	1823.3	69.1	49.7	56.8
04/04/15	04:00:00	1823.8	69.1	48.4	55.7
04/04/15	05:00:00	1824.3	69.0	46.7	54.8
04/04/15	06:00:00	1824.7	68.6	45.1	53.9
04/04/15	07:00:00	1824.9	68.5	43.6	53.3
04/04/15	08:00:00	1825.4	68.6	43.4	52.9
04/04/15	09:00:00	(4)	69.1	49.1	54.4
04/04/15	10:00:00	(4)	69.4	58.0	57.7
04/04/15	11:00:00	(4)	69.8	65.1	61.6
04/04/15	12:00:00	(4)	69.9	71.2	65.4
04/04/15	13:00:00	(4)	70.5	74.1	68.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/04/15	14:00:00	(4)	70.2	76.4	71.1
04/04/15	15:00:00	(4)	70.0	80.6	73.3
04/04/15	16:00:00	(4)	71.3	82.3	75.3
04/04/15	17:00:00	1820.7	71.2	83.1	77.2
04/04/15	18:00:00	1820.5	71.3	75.4	72.5
04/04/15	19:00:00	1821.0	70.6	67.2	68.0
04/04/15	20:00:00	1821.1	70.3	62.3	64.9
04/04/15	21:00:00	1821.7	69.8	59.5	62.8
04/04/15	22:00:00	1821.7	69.7	58.0	61.4
04/04/15	23:00:00	1821.9	69.7	56.6	60.2
04/05/15	00:00:00	1822.5	69.6	55.1	59.0
04/05/15	01:00:00	1822.5	69.4	53.9	58.0
04/05/15	02:00:00	1822.9	69.1	52.8	57.2
04/05/15	03:00:00	1823.2	69.1	51.9	56.5
04/05/15	04:00:00	1823.2	69.2	51.2	55.7
04/05/15	05:00:00	1823.3	69.1	49.7	54.9
04/05/15	06:00:00	1823.8	69.1	48.1	54.2
04/05/15	07:00:00	1823.9	69.0	46.8	53.7
04/05/15	08:00:00	1824.1	69.1	46.9	53.7
04/05/15	09:00:00	1824.2	69.1	49.6	54.7
04/05/15	10:00:00	1824.6	69.1	53.4	56.7
04/05/15	11:00:00	1824.6	69.3	58.1	59.2
04/05/15	12:00:00	1824.6	69.5	62.1	61.4
04/05/15	13:00:00	1824.9	69.7	65.3	63.4
04/05/15	14:00:00	1825.3	69.8	59.6	60.1
04/05/15	15:00:00	1825.3	69.4	56.9	59.0
04/05/15	16:00:00	1825.3	69.2	58.2	59.8
04/05/15	17:00:00	1825.4	69.2	62.5	62.4
04/05/15	18:00:00	1825.5	69.3	65.5	64.3
04/05/15	19:00:00	1825.8	69.4	66.4	62.3
04/05/15	20:00:00	1826.0	69.6	61.6	59.9
04/05/15	21:00:00	1826.1	69.2	55.9	57.7
04/05/15	22:00:00	1826.1	69.1	52.4	56.2
04/05/15	23:00:00	1826.4	69.1	49.9	54.8
04/06/15	00:00:00	1826.2	68.9	47.9	53.8
04/06/15	01:00:00	1826.5	68.7	46.0	52.9
04/06/15	02:00:00	1826.8	68.5	44.7	52.1
04/06/15	03:00:00	1826.8	68.3	43.7	51.4
04/06/15	04:00:00	1827.0	68.3	42.3	50.8
04/06/15	05:00:00	1827.3	68.3	41.1	50.2
04/06/15	06:00:00	1827.4	68.3	39.8	49.4
04/06/15	07:00:00	1827.5	68.3	38.5	48.7
04/06/15	08:00:00	1827.8	68.3	38.8	48.4
04/06/15	09:00:00	1828.3	68.9	44.9	50.4
04/06/15	10:00:00	1828.4	69.2	53.1	54.1
04/06/15	11:00:00	1828.4	69.6	60.7	57.6
04/06/15	12:00:00	1828.6	69.7	66.1	60.8
04/06/15	13:00:00	1828.5	69.8	71.2	64.4
04/06/15	14:00:00	1828.3	69.8	74.1	67.3
04/06/15	15:00:00	1828.4	69.8	75.9	69.3
04/06/15	16:00:00	1828.7	69.8	76.1	70.6
04/06/15	17:00:00	1828.8	70.3	73.9	69.7
04/06/15	18:00:00	1829.0	69.9	70.9	68.1
04/06/15	19:00:00	1829.1	69.9	69.5	66.9
04/06/15	20:00:00	1829.1	69.8	65.9	64.8
04/06/15	21:00:00	1829.1	69.7	62.4	62.7
04/06/15	22:00:00	1829.2	69.6	59.5	61.0
04/06/15	23:00:00	1829.8	69.4	57.6	59.7
04/07/15	00:00:00	1829.8	69.2	55.3	58.4
04/07/15	01:00:00	1829.8	69.1	52.6	57.1
04/07/15	02:00:00	1829.8	69.1	50.8	56.0
04/07/15	03:00:00	1830.0	69.2	49.3	55.2
04/07/15	04:00:00	1830.4	69.1	49.1	54.7
04/07/15	05:00:00	1830.5	69.0	48.8	54.1
04/07/15	06:00:00	1830.5	68.9	47.7	52.9
04/07/15	07:00:00	1830.5	68.8	46.8	51.7
04/07/15	08:00:00	1830.6	68.4	46.5	50.6
04/07/15	09:00:00	1830.7	68.3	46.6	50.0
04/07/15	10:00:00	1831.0	68.3	46.7	49.8
04/07/15	11:00:00	1831.2	68.6	49.2	51.5
04/07/15	12:00:00	1831.2	69.2	55.1	54.8
04/07/15	13:00:00	1831.2	69.2	58.7	56.3
04/07/15	14:00:00	1831.2	69.1	58.7	56.5
04/07/15	15:00:00	1831.3	69.2	58.9	57.1
04/07/15	16:00:00	1831.7	69.0	62.8	59.0
04/07/15	17:00:00	1831.8	69.4	63.8	59.6
04/07/15	18:00:00	1831.9	69.4	56.1	55.7
04/07/15	19:00:00	1831.9	68.5	55.2	54.7
04/07/15	20:00:00	1831.9	69.2	55.6	54.2
04/07/15	21:00:00	1832.1	68.9	52.3	53.3
04/07/15	22:00:00	1832.1	68.7	50.5	52.6
04/07/15	23:00:00	1831.9	68.5	48.8	52.0
04/08/15	00:00:00	1832.3	68.3	46.9	51.3
04/08/15	01:00:00	1832.7	68.3	46.1	51.1
04/08/15	02:00:00	1832.7	68.3	45.9	50.8
04/08/15	03:00:00	1832.9	68.3	44.8	50.3
04/08/15	04:00:00	1833.1	68.3	43.9	49.8
04/08/15	05:00:00	1833.3	68.3	42.7	49.3
04/08/15	06:00:00	1833.4	68.3	42.0	49.1

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/08/15	07:00:00	1833.4	68.3	41.5	48.8
04/08/15	08:00:00	1833.5	68.3	41.5	48.9
04/08/15	09:00:00	1833.8	68.3	44.0	50.0
04/08/15	10:00:00	1834.1	68.9	48.5	52.0
04/08/15	11:00:00	1834.2	69.2	53.3	54.1
04/08/15	12:00:00	1834.3	69.7	61.4	58.0
04/08/15	13:00:00	1834.1	69.8	66.5	60.5
04/08/15	14:00:00	1834.5	69.6	68.9	62.5
04/08/15	15:00:00	1834.5	69.5	74.1	65.6
04/08/15	16:00:00	1834.2	69.6	77.6	68.8
04/08/15	17:00:00	1834.5	69.7	78.9	71.2
04/08/15	18:00:00	1834.7	69.7	78.3	71.5
04/08/15	19:00:00	1834.9	69.8	74.9	67.0
04/08/15	20:00:00	1835.0	69.8	68.7	63.7
04/08/15	21:00:00	1835.0	69.7	62.4	61.0
04/08/15	22:00:00	1835.0	69.3	57.8	58.9
04/08/15	23:00:00	1835.2	69.2	54.0	57.0
04/09/15	00:00:00	1835.5	69.1	50.7	55.3
04/09/15	01:00:00	1835.7	69.1	48.1	53.9
04/09/15	02:00:00	1835.8	69.0	46.4	53.1
04/09/15	03:00:00	1835.8	68.9	45.1	52.3
04/09/15	04:00:00	1836.1	68.7	44.2	51.9
04/09/15	05:00:00	1836.3	68.6	43.1	51.2
04/09/15	06:00:00	1836.4	68.4	41.8	50.5
04/09/15	07:00:00	1836.4	68.3	40.6	49.9
04/09/15	08:00:00	1836.7	68.6	40.9	49.9
04/09/15	09:00:00	1837.1	69.2	46.3	51.5
04/09/15	10:00:00	1837.1	69.6	54.5	54.9
04/09/15	11:00:00	1837.2	69.7	61.9	58.2
04/09/15	12:00:00	1837.1	69.8	68.0	61.5
04/09/15	13:00:00	1837.2	70.1	72.6	64.7
04/09/15	14:00:00	1837.5	70.0	77.0	67.5
04/09/15	15:00:00	1837.5	69.9	81.6	70.4
04/09/15	16:00:00	1837.4	70.1	83.4	72.3
04/09/15	17:00:00	1837.6	70.0	86.7	75.5
04/09/15	18:00:00	1837.8	70.2	88.7	76.8
04/09/15	19:00:00	1837.8	70.6	87.2	73.0
04/09/15	20:00:00	1837.8	70.6	81.6	70.0
04/09/15	21:00:00	1837.8	70.4	75.1	67.3
04/09/15	22:00:00	1837.9	69.9	69.9	65.1
04/09/15	23:00:00	1838.3	69.7	64.9	62.8
04/10/15	00:00:00	1838.1	69.7	59.7	60.4
04/10/15	01:00:00	1837.7	69.6	55.9	58.6
04/10/15	02:00:00	1837.3	69.3	53.3	57.4
04/10/15	03:00:00	1837.3	69.2	51.2	56.5
04/10/15	04:00:00	1837.2	69.1	49.4	55.5
04/10/15	05:00:00	1837.1	69.1	48.0	54.6
04/10/15	06:00:00	1837.1	69.2	46.4	53.7
04/10/15	07:00:00	1837.1	69.2	45.1	53.0
04/10/15	08:00:00	1837.3	69.2	45.4	52.9
04/10/15	09:00:00	1837.7	69.6	51.6	54.8
04/10/15	10:00:00	1837.7	70.1	59.6	58.0
04/10/15	11:00:00	1837.8	70.5	66.5	61.4
04/10/15	12:00:00	1837.7	70.6	72.2	64.9
04/10/15	13:00:00	1837.7	70.6	76.8	68.1
04/10/15	14:00:00	1837.6	70.6	81.3	71.2
04/10/15	15:00:00	1837.2	70.6	85.4	74.0
04/10/15	16:00:00	1837.1	70.6	88.3	77.2
04/10/15	17:00:00	1837.1	70.6	89.7	79.8
04/10/15	18:00:00	1837.1	70.7	88.6	79.7
04/10/15	19:00:00	1837.1	70.7	84.2	74.6
04/10/15	20:00:00	1837.1	70.9	76.5	70.5
04/10/15	21:00:00	1837.1	70.6	68.5	66.8
04/10/15	22:00:00	1837.2	70.2	63.1	63.9
04/10/15	23:00:00	1837.3	69.7	59.3	61.7
04/11/15	00:00:00	1837.5	69.7	56.6	60.2
04/11/15	01:00:00	1837.6	69.7	55.2	58.8
04/11/15	02:00:00	1837.8	69.6	53.6	57.7
04/11/15	03:00:00	1837.8	69.4	51.8	56.9
04/11/15	04:00:00	1837.8	69.2	50.1	56.0
04/11/15	05:00:00	1837.8	69.2	48.6	55.2
04/11/15	06:00:00	1837.8	69.1	47.4	54.5
04/11/15	07:00:00	1837.8	69.1	46.4	53.9
04/11/15	08:00:00	1838.0	69.1	46.8	54.0
04/11/15	09:00:00	1838.4	69.6	52.4	55.9
04/11/15	10:00:00	1838.6	70.2	60.9	59.3
04/11/15	11:00:00	1838.6	70.5	68.9	63.4
04/11/15	12:00:00	1838.4	70.5	73.5	66.5
04/11/15	13:00:00	1838.6	70.5	75.3	68.3
04/11/15	14:00:00	1838.6	70.5	79.9	71.2
04/11/15	15:00:00	1838.6	70.5	84.5	74.3
04/11/15	16:00:00	1838.6	70.6	88.2	77.7
04/11/15	17:00:00	1838.6	70.7	90.9	80.9
04/11/15	18:00:00	1838.6	71.2	89.6	80.8
04/11/15	19:00:00	1838.6	71.0	84.2	75.4
04/11/15	20:00:00	1838.6	71.1	76.2	71.0
04/11/15	21:00:00	1838.6	70.6	68.3	67.4
04/11/15	22:00:00	1838.6	70.5	63.9	64.9
04/11/15	23:00:00	1838.6	70.2	61.5	63.2

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/12/15	00:00:00	1838.6	69.8	59.7	61.8
04/12/15	01:00:00	1839.1	69.7	58.3	60.7
04/12/15	02:00:00	1839.1	69.7	56.5	59.7
04/12/15	03:00:00	1839.3	69.7	54.4	58.6
04/12/15	04:00:00	1839.3	69.7	52.7	57.5
04/12/15	05:00:00	1839.3	69.6	51.4	56.5
04/12/15	06:00:00	1839.3	69.4	50.0	55.7
04/12/15	07:00:00	1839.3	69.2	48.6	54.9
04/12/15	08:00:00	1839.8	69.4	49.3	54.8
04/12/15	09:00:00	1838.6	69.8	55.4	57.0
04/12/15	10:00:00	1837.8	70.5	62.7	60.4
04/12/15	11:00:00	1837.9	70.5	69.3	64.0
04/12/15	12:00:00	1838.7	70.7	74.9	67.6
04/12/15	13:00:00	1839.2	70.9	79.3	70.8
04/12/15	14:00:00	1838.9	71.1	83.6	74.0
04/12/15	15:00:00	1838.6	70.9	88.0	77.0
04/12/15	16:00:00	1839.0	70.9	91.7	80.5
04/12/15	17:00:00	1839.2	71.2	94.5	83.9
04/12/15	18:00:00	1839.2	71.3	95.6	84.6
04/12/15	19:00:00	1839.3	71.3	94.8	80.2
04/12/15	20:00:00	1839.3	71.7	88.2	76.4
04/12/15	21:00:00	1839.3	71.2	79.2	72.6
04/12/15	22:00:00	1839.4	71.0	72.2	69.5
04/12/15	23:00:00	1839.5	70.6	66.7	66.8
04/13/15	00:00:00	1839.8	70.6	63.3	64.9
04/13/15	01:00:00	1839.9	70.5	60.4	63.3
04/13/15	02:00:00	1840.0	70.2	57.6	61.6
04/13/15	03:00:00	1840.0	69.8	55.3	60.3
04/13/15	04:00:00	1839.8	69.7	53.3	59.2
04/13/15	05:00:00	1839.6	69.7	51.3	58.0
04/13/15	06:00:00	1840.0	69.7	49.5	56.9
04/13/15	07:00:00	1840.0	69.7	48.1	55.9
04/13/15	08:00:00	1840.7	69.7	49.1	55.9
04/13/15	09:00:00	1840.8	70.4	56.0	58.2
04/13/15	10:00:00	1840.8	70.9	64.8	61.9
04/13/15	11:00:00	1840.9	71.2	73.0	65.8
04/13/15	12:00:00	1840.9	71.3	78.8	69.6
04/13/15	13:00:00	1840.7	71.3	81.1	72.6
04/13/15	14:00:00	1840.8	71.2	83.3	75.3
04/13/15	15:00:00	1840.7	71.2	85.5	77.4
04/13/15	16:00:00	1840.8	71.2	84.9	78.7
04/13/15	17:00:00	1840.8	71.2	84.2	80.2
04/13/15	18:00:00	1841.0	71.2	81.1	78.5
04/13/15	19:00:00	1841.1	71.2	77.1	73.1
04/13/15	20:00:00	1841.3	71.2	71.1	69.0
04/13/15	21:00:00	1841.5	70.8	64.1	65.5
04/13/15	22:00:00	1841.5	70.6	59.6	62.6
04/13/15	23:00:00	1841.5	70.5	57.2	60.7
04/14/15	00:00:00	1841.5	70.3	55.6	59.5
04/14/15	01:00:00	1841.6	69.8	54.7	58.8
04/14/15	02:00:00	1841.8	69.9	54.3	58.3
04/14/15	03:00:00	1842.0	69.8	53.3	57.3
04/14/15	04:00:00	1842.2	69.7	51.3	55.8
04/14/15	05:00:00	1842.2	69.7	49.3	54.5
04/14/15	06:00:00	1842.1	69.7	47.5	53.4
04/14/15	07:00:00	1842.2	69.7	45.6	52.5
04/14/15	08:00:00	1842.0	69.8	46.2	52.5
04/14/15	09:00:00	1842.8	70.4	51.9	54.6
04/14/15	10:00:00	1843.6	70.7	58.8	57.9
04/14/15	11:00:00	1843.8	70.9	63.8	60.8
04/14/15	12:00:00	1843.7	71.0	67.5	63.6
04/14/15	13:00:00	1844.3	71.2	70.3	66.2
04/14/15	14:00:00	1844.5	71.1	72.7	68.6
04/14/15	15:00:00	1844.5	70.7	75.3	70.7
04/14/15	16:00:00	1844.8	70.8	77.3	73.2
04/14/15	17:00:00	1845.0	71.0	78.4	75.6
04/14/15	18:00:00	1845.2	71.1	77.9	75.6
04/14/15	19:00:00	1845.2	71.1	75.9	70.8
04/14/15	20:00:00	1845.4	71.3	71.4	67.4
04/14/15	21:00:00	1845.8	71.1	64.0	64.1
04/14/15	22:00:00	1845.9	70.6	58.7	61.5
04/14/15	23:00:00	1845.9	70.6	55.2	59.5
04/15/15	00:00:00	1846.3	70.6	52.6	57.9
04/15/15	01:00:00	1846.6	70.3	50.2	56.4
04/15/15	02:00:00	1846.7	70.0	48.7	55.3
04/15/15	03:00:00	1846.7	69.9	48.4	54.6
04/15/15	04:00:00	1847.2	69.9	47.3	53.7
04/15/15	05:00:00	1847.3	69.8	47.1	53.1
04/15/15	06:00:00	1847.3	69.8	47.8	52.9
04/15/15	07:00:00	1847.6	69.8	47.9	52.5
04/15/15	08:00:00	1848.1	70.1	49.8	52.9
04/15/15	09:00:00	1848.2	70.6	55.4	55.4
04/15/15	10:00:00	1848.5	71.2	61.4	58.7
04/15/15	11:00:00	1848.6	71.3	66.0	61.9
04/15/15	12:00:00	1848.8	71.3	69.9	65.0
04/15/15	13:00:00	1848.9	71.5	73.3	68.1
04/15/15	14:00:00	1848.9	71.6	76.9	70.9
04/15/15	15:00:00	1848.9	71.4	80.7	73.6
04/15/15	16:00:00	1848.9	71.4	84.1	76.9

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/15/15	17:00:00	1849.0	71.8	86.2	79.9
04/15/15	18:00:00	1849.5	71.9	86.5	80.3
04/15/15	19:00:00	1849.4	71.9	85.0	75.9
04/15/15	20:00:00	1849.6	72.0	79.9	72.3
04/15/15	21:00:00	1849.7	71.9	72.9	69.2
04/15/15	22:00:00	1849.7	71.6	66.8	66.1
04/15/15	23:00:00	1849.7	71.3	61.9	63.6
04/16/15	00:00:00	1849.9	71.3	58.8	61.6
04/16/15	01:00:00	1850.2	71.1	56.1	59.8
04/16/15	02:00:00	1850.3	71.0	53.9	58.5
04/16/15	03:00:00	1850.2	70.7	51.5	57.1
04/16/15	04:00:00	1850.3	70.6	49.7	56.0
04/16/15	05:00:00	1850.8	70.6	47.7	54.8
04/16/15	06:00:00	1851.0	70.6	45.8	53.7
04/16/15	07:00:00	1851.1	70.6	44.3	53.0
04/16/15	08:00:00	1851.5	70.6	45.6	53.1
04/16/15	09:00:00	1851.8	71.3	53.1	55.8
04/16/15	10:00:00	1851.8	71.7	62.2	59.8
04/16/15	11:00:00	1851.9	71.9	70.7	63.8
04/16/15	12:00:00	1851.9	72.2	78.0	68.0
04/16/15	13:00:00	1851.9	72.7	83.4	72.1
04/16/15	14:00:00	1850.3	72.6	88.1	75.6
04/16/15	15:00:00	1847.6	72.5	93.0	78.8
04/16/15	16:00:00	1846.3	72.6	96.7	82.5
04/16/15	17:00:00	1845.5	72.6	98.6	85.9
04/16/15	18:00:00	1844.6	72.6	99.3	86.7
04/16/15	19:00:00	1843.7	72.7	98.3	82.4
04/16/15	20:00:00	1842.9	73.1	94.4	78.9
04/16/15	21:00:00	1842.2	72.7	86.3	75.2
04/16/15	22:00:00	1841.5	72.7	76.7	71.4
04/16/15	23:00:00	1840.9	72.3	68.7	68.1
04/17/15	00:00:00	1840.5	71.9	64.5	65.9
04/17/15	01:00:00	1840.0	71.9	62.1	64.4
04/17/15	02:00:00	1839.3	71.9	59.5	62.7
04/17/15	03:00:00	1838.9	71.7	56.3	61.1
04/17/15	04:00:00	1838.6	71.3	53.5	59.6
04/17/15	05:00:00	1838.1	71.2	51.4	58.4
04/17/15	06:00:00	1837.7	71.2	49.6	57.2
04/17/15	07:00:00	1837.2	71.2	47.8	56.2
04/17/15	08:00:00	1837.2	71.3	49.0	56.1
04/17/15	09:00:00	1837.1	71.9	56.2	58.6
04/17/15	10:00:00	1836.8	72.4	65.7	62.6
04/17/15	11:00:00	1836.5	72.6	75.0	66.8
04/17/15	12:00:00	1836.3	73.0	82.6	71.1
04/17/15	13:00:00	1835.9	73.2	87.8	75.0
04/17/15	14:00:00	1835.6	73.2	92.0	78.4
04/17/15	15:00:00	1835.2	73.2	95.4	81.5
04/17/15	16:00:00	1834.9	73.3	98.1	85.1
04/17/15	17:00:00	1834.3	73.4	99.8	88.2
04/17/15	18:00:00	1834.2	73.6	98.8	88.5
04/17/15	19:00:00	1833.9	73.5	95.7	83.5
04/17/15	20:00:00	1833.5	73.8	89.6	79.4
04/17/15	21:00:00	1833.5	73.3	81.5	75.6
04/17/15	22:00:00	1833.2	73.3	74.6	72.4
04/17/15	23:00:00	1832.8	72.9	68.8	69.4
04/18/15	00:00:00	1832.7	72.7	65.0	67.1
04/18/15	01:00:00	1832.5	72.7	61.3	64.9
04/18/15	02:00:00	1832.0	72.5	58.0	63.1
04/18/15	03:00:00	1832.0	72.3	55.4	61.6
04/18/15	04:00:00	1831.9	72.0	53.4	60.4
04/18/15	05:00:00	1831.8	72.0	51.9	59.4
04/18/15	06:00:00	1832.1	72.0	51.0	58.6
04/18/15	07:00:00	1832.8	72.1	52.5	59.0
04/18/15	08:00:00	1833.1	72.5	57.7	61.0
04/18/15	09:00:00	1833.5	72.8	62.9	62.9
04/18/15	10:00:00	1833.8	73.1	68.2	64.9
04/18/15	11:00:00	1834.0	73.4	73.8	67.2
04/18/15	12:00:00	1834.4	73.8	80.6	70.9
04/18/15	13:00:00	1835.0	74.3	85.7	74.7
04/18/15	14:00:00	1835.5	74.3	90.0	78.1
04/18/15	15:00:00	1835.7	74.2	95.1	81.4
04/18/15	16:00:00	1836.0	74.3	100.1	85.4
04/18/15	17:00:00	1837.1	74.3	102.7	89.0
04/18/15	18:00:00	1837.5	74.5	103.4	89.9
04/18/15	19:00:00	1837.9	74.8	99.3	85.0
04/18/15	20:00:00	1838.4	74.8	91.2	80.5
04/18/15	21:00:00	1838.6	74.4	82.5	76.7
04/18/15	22:00:00	1839.0	74.3	74.8	73.1
04/18/15	23:00:00	1839.3	74.0	69.4	70.3
04/19/15	00:00:00	1839.8	73.6	66.2	68.3
04/19/15	01:00:00	1840.1	73.5	64.0	66.9
04/19/15	02:00:00	1840.5	73.4	61.6	65.3
04/19/15	03:00:00	1840.7	73.4	59.3	64.0
04/19/15	04:00:00	1841.1	73.3	57.3	62.7
04/19/15	05:00:00	1841.4	73.3	55.7	61.6
04/19/15	06:00:00	1841.6	73.1	54.2	60.7
04/19/15	07:00:00	1842.0	73.2	52.9	59.8
04/19/15	08:00:00	1842.2	73.3	54.1	59.7
04/19/15	09:00:00	1842.8	73.6	58.6	61.1

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/19/15	10:00:00	1843.0	74.2	64.1	63.6
04/19/15	11:00:00	1843.1	74.4	71.1	67.2
04/19/15	12:00:00	1843.4	74.7	77.8	71.0
04/19/15	13:00:00	1843.6	74.8	82.8	74.7
04/19/15	14:00:00	1843.7	74.8	86.6	78.0
04/19/15	15:00:00	1843.7	74.9	91.3	81.1
04/19/15	16:00:00	1843.7	75.0	96.8	85.1
04/19/15	17:00:00	1843.7	75.2	100.0	88.6
04/19/15	18:00:00	1843.8	75.7	99.9	89.1
04/19/15	19:00:00	1844.0	75.7	94.3	83.6
04/19/15	20:00:00	1844.3	75.6	84.2	78.1
04/19/15	21:00:00	1844.4	74.9	74.4	73.6
04/19/15	22:00:00	1844.4	74.8	67.7	70.0
04/19/15	23:00:00	1844.5	74.4	64.0	67.7
04/20/15	00:00:00	1844.9	74.3	61.9	66.0
04/20/15	01:00:00	1845.0	74.3	59.9	64.6
04/20/15	02:00:00	1845.1	74.3	57.8	63.2
04/20/15	03:00:00	1845.1	74.2	56.0	61.8
04/20/15	04:00:00	1845.1	74.1	54.6	60.7
04/20/15	05:00:00	1845.4	73.9	53.5	59.6
04/20/15	06:00:00	1845.8	73.5	52.7	58.6
04/20/15	07:00:00	1845.9	73.6	52.1	57.9
04/20/15	08:00:00	1845.9	74.1	53.8	58.1
04/20/15	09:00:00	1846.1	74.5	58.7	60.1
04/20/15	10:00:00	1846.0	74.9	63.8	62.9
04/20/15	11:00:00	1846.3	75.0	68.3	65.8
04/20/15	12:00:00	1845.4	75.3	72.7	68.9
04/20/15	13:00:00	1845.1	75.6	76.4	71.9
04/20/15	14:00:00	1846.5	75.7	79.7	74.7
04/20/15	15:00:00	1846.7	75.7	83.2	77.2
04/20/15	16:00:00	1847.3	75.8	85.5	79.8
04/20/15	17:00:00	1847.3	75.8	85.9	81.7
04/20/15	18:00:00	1847.6	76.2	82.1	78.3
04/20/15	19:00:00	1848.0	75.9	76.3	74.5
04/20/15	20:00:00	1848.0	75.8	70.2	70.8
04/20/15	21:00:00	1848.3	75.4	64.9	67.5
04/20/15	22:00:00	1848.7	75.0	61.2	65.1
04/20/15	23:00:00	1848.8	74.9	58.5	63.2
04/21/15	00:00:00	1849.1	74.9	56.3	61.5
04/21/15	01:00:00	1849.1	74.8	54.8	60.2
04/21/15	02:00:00	1848.7	74.7	53.9	59.2
04/21/15	03:00:00	1848.7	74.6	53.3	58.5
04/21/15	04:00:00	1848.9	74.4	52.8	57.9
04/21/15	05:00:00	1849.6	74.4	52.4	57.3
04/21/15	06:00:00	1849.7	74.5	51.9	57.0
04/21/15	07:00:00	1850.2	74.6	51.7	56.6
04/21/15	08:00:00	1850.2	74.8	53.1	56.8
04/21/15	09:00:00	1851.0	75.1	56.9	58.6
04/21/15	10:00:00	1851.1	75.6	61.6	61.2
04/21/15	11:00:00	1851.2	76.0	68.0	64.7
04/21/15	12:00:00	1851.0	76.3	73.8	68.1
04/21/15	13:00:00	1850.5	76.3	77.3	71.0
04/21/15	14:00:00	1850.1	76.3	79.2	73.4
04/21/15	15:00:00	1851.1	76.3	80.7	75.1
04/21/15	16:00:00	1851.1	76.4	81.7	77.0
04/21/15	17:00:00	1851.4	76.8	81.6	77.4
04/21/15	18:00:00	1851.7	76.8	78.7	75.5
04/21/15	19:00:00	1851.7	76.6	73.4	72.0
04/21/15	20:00:00	1851.8	76.4	68.0	68.6
04/21/15	21:00:00	1851.7	76.3	63.0	65.8
04/21/15	22:00:00	1851.7	76.0	59.4	64.0
04/21/15	23:00:00	1852.3	75.8	56.9	62.5
04/22/15	00:00:00	1852.5	75.8	54.9	61.3
04/22/15	01:00:00	1852.5	75.8	53.3	60.3
04/22/15	02:00:00	1852.7	75.8	51.9	59.5
04/22/15	03:00:00	1853.2	75.8	50.9	58.7
04/22/15	04:00:00	1853.2	75.7	50.0	58.0
04/22/15	05:00:00	1853.2	75.7	49.2	57.4
04/22/15	06:00:00	1853.6	75.7	48.8	56.7
04/22/15	07:00:00	1853.8	75.7	49.7	56.8
04/22/15	08:00:00	1853.9	75.8	51.7	57.4
04/22/15	09:00:00	1854.0	76.1	56.3	59.1
04/22/15	10:00:00	1854.3	76.1	60.3	61.1
04/22/15	11:00:00	1854.6	76.8	64.6	63.3
04/22/15	12:00:00	1854.7	77.2	71.7	66.8
04/22/15	13:00:00	1854.4	77.4	77.5	70.4
04/22/15	14:00:00	1853.9	77.8	82.7	73.9
04/22/15	15:00:00	1853.4	77.7	88.6	77.3
04/22/15	16:00:00	1852.9	78.0	93.7	81.0
04/22/15	17:00:00	1853.7	78.0	93.8	81.9
04/22/15	18:00:00	1853.9	78.0	94.1	83.4
04/22/15	19:00:00	1854.1	78.5	91.2	80.7
04/22/15	20:00:00	1854.5	78.3	81.0	75.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/22/15	21:00:00	1854.6	77.9	72.9	72.0
04/22/15	22:00:00	1854.7	77.9	67.7	69.2
04/22/15	23:00:00	1854.9	77.6	64.1	67.0
04/23/15	00:00:00	1855.2	77.3	61.6	65.4
04/23/15	01:00:00	1855.3	77.2	59.9	64.3
04/23/15	02:00:00	1855.4	77.2	58.0	63.1
04/23/15	03:00:00	1855.5	77.2	56.0	61.9
04/23/15	04:00:00	1856.2	77.2	54.2	60.9
04/23/15	05:00:00	1856.2	77.2	53.0	60.1
04/23/15	06:00:00	1856.2	77.2	51.9	59.3
04/23/15	07:00:00	1856.3	77.0	50.8	58.5
04/23/15	08:00:00	1856.8	77.2	52.0	58.6
04/23/15	09:00:00	1856.9	77.9	58.0	60.6
04/23/15	10:00:00	1857.2	78.4	65.7	63.8
04/23/15	11:00:00	1857.6	78.6	72.9	67.1
04/23/15	12:00:00	1857.7	78.7	78.2	70.4
04/23/15	13:00:00	1857.7	79.2	82.3	73.6
04/23/15	14:00:00	1857.7	79.3	85.3	76.5
04/23/15	15:00:00	1857.7	79.3	88.3	79.3
04/23/15	16:00:00	1857.7	79.3	90.7	82.3
04/23/15	17:00:00	1857.7	79.4	89.6	83.5
04/23/15	18:00:00	1857.7	79.4	84.1	80.7
04/23/15	19:00:00	1857.7	79.4	80.2	77.0
04/23/15	20:00:00	1857.8	79.4	74.4	73.3
04/23/15	21:00:00	1858.0	79.0	69.8	70.8
04/23/15	22:00:00	1858.4	78.7	65.5	68.2
04/23/15	23:00:00	1858.4	78.7	62.2	66.2
04/24/15	00:00:00	1858.4	78.7	60.0	64.8
04/24/15	01:00:00	1858.5	78.7	59.8	63.8
04/24/15	02:00:00	1858.7	78.7	60.1	63.2
04/24/15	03:00:00	1859.0	78.7	59.5	62.3
04/24/15	04:00:00	1859.1	78.5	58.3	61.3
04/24/15	05:00:00	1859.1	78.4	57.1	60.4
04/24/15	06:00:00	1859.1	78.4	55.9	59.6
04/24/15	07:00:00	1857.6	78.3	55.4	59.2
04/24/15	08:00:00	1854.8	78.6	57.6	59.8
04/24/15	09:00:00	1854.0	78.6	59.4	60.8
04/24/15	10:00:00	1853.2	78.9	62.8	62.8
04/24/15	11:00:00	1852.5	79.3	67.4	65.7
04/24/15	12:00:00	1852.0	79.6	71.7	68.7
04/24/15	13:00:00	1851.4	80.0	74.9	71.5
04/24/15	14:00:00	1850.7	80.0	77.7	73.9
04/24/15	15:00:00	1852.0	80.0	79.7	75.6
04/24/15	16:00:00	1853.6	80.0	80.1	77.1
04/24/15	17:00:00	1854.3	80.1	80.0	78.3
04/24/15	18:00:00	1854.7	80.2	76.8	75.1
04/24/15	19:00:00	1855.3	80.1	70.0	70.7
04/24/15	20:00:00	1855.4	80.0	65.0	67.5
04/24/15	21:00:00	1856.1	79.5	61.6	65.2
04/24/15	22:00:00	1856.3	79.4	59.9	64.1
04/24/15	23:00:00	1856.7	79.4	58.8	63.2
04/25/15	00:00:00	1856.8	79.4	56.5	61.9
04/25/15	01:00:00	1856.8	79.3	54.7	60.3
04/25/15	02:00:00	1857.5	79.2	54.1	59.1
04/25/15	03:00:00	1857.7	79.3	54.2	58.2
04/25/15	04:00:00	1857.8	79.2	53.8	57.8
04/25/15	05:00:00	1858.4	79.1	53.7	57.5
04/25/15	06:00:00	1858.4	79.3	53.8	57.3
04/25/15	07:00:00	1858.5	79.3	53.1	56.5
04/25/15	08:00:00	1859.1	79.4	54.8	57.0
04/25/15	09:00:00	1859.2	80.0	59.0	58.8
04/25/15	10:00:00	1859.5	80.0	62.8	61.0
04/25/15	11:00:00	1859.8	80.0	65.0	62.5
04/25/15	12:00:00	1859.9	80.3	67.9	64.6
04/25/15	13:00:00	1859.9	80.5	70.0	66.0
04/25/15	14:00:00	1859.9	80.8	72.1	67.6
04/25/15	15:00:00	1859.9	80.6	75.4	69.7
04/25/15	16:00:00	1860.4	80.9	79.1	72.9
04/25/15	17:00:00	1860.5	80.9	81.0	75.7
04/25/15	18:00:00	1860.5	81.0	80.2	75.6
04/25/15	19:00:00	1860.6	80.9	77.5	72.1
04/25/15	20:00:00	1860.6	81.1	71.6	68.2
04/25/15	21:00:00	1861.0	80.9	65.4	65.5
04/25/15	22:00:00	1861.3	80.9	61.3	63.5
04/25/15	23:00:00	1861.3	80.7	58.3	61.7
04/26/15	00:00:00	1861.3	80.4	56.6	60.2
04/26/15	01:00:00	1861.7	80.4	55.4	59.1
04/26/15	02:00:00	1861.9	80.2	54.3	58.1
04/26/15	03:00:00	1862.0	80.2	53.1	57.3
04/26/15	04:00:00	1862.0	80.2	52.0	56.6
04/26/15	05:00:00	1862.3	80.2	50.9	56.0

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/26/15	06:00:00	1862.6	80.1	50.0	55.5
04/26/15	07:00:00	1862.8	80.1	49.3	55.1
04/26/15	08:00:00	1863.0	80.8	52.0	55.6
04/26/15	09:00:00	1863.2	81.4	58.4	58.4
04/26/15	10:00:00	1863.4	81.6	64.8	61.6
04/26/15	11:00:00	1863.4	82.3	70.1	64.5
04/26/15	12:00:00	1863.4	82.4	74.3	67.4
04/26/15	13:00:00	1863.4	82.4	77.9	70.2
04/26/15	14:00:00	1863.4	82.5	80.8	72.8
04/26/15	15:00:00	1863.4	82.4	84.6	75.6
04/26/15	16:00:00	1863.5	82.5	88.1	78.8
04/26/15	17:00:00	1863.4	82.8	89.7	81.8
04/26/15	18:00:00	1863.5	83.0	89.8	82.6
04/26/15	19:00:00	1863.6	83.0	86.6	78.4
04/26/15	20:00:00	1864.1	83.0	80.1	74.2
04/26/15	21:00:00	1864.3	83.0	72.6	70.6
04/26/15	22:00:00	1864.3	82.7	67.3	67.9
04/26/15	23:00:00	1864.3	82.5	63.8	65.9
04/27/15	00:00:00	1864.6	82.4	61.4	64.3
04/27/15	01:00:00	1864.7	82.4	59.8	63.2
04/27/15	02:00:00	1864.8	82.4	58.7	62.3
04/27/15	03:00:00	1864.9	82.4	57.5	61.5
04/27/15	04:00:00	1864.9	82.4	56.1	60.7
04/27/15	05:00:00	1864.9	82.4	55.5	60.0
04/27/15	06:00:00	1865.3	82.4	55.3	59.6
04/27/15	07:00:00	1865.4	82.4	54.2	58.9
04/27/15	08:00:00	1865.7	82.7	56.3	59.5
04/27/15	09:00:00	1865.8	83.3	63.7	62.3
04/27/15	10:00:00	1866.0	83.8	71.4	65.8
04/27/15	11:00:00	1866.3	84.1	78.3	69.1
04/27/15	12:00:00	1866.4	84.5	84.5	72.6
04/27/15	13:00:00	1866.5	84.5	89.7	76.0
04/27/15	14:00:00	1866.4	84.9	94.3	79.2
04/27/15	15:00:00	1866.4	84.8	98.9	82.4
04/27/15	16:00:00	1866.3	85.0	103.5	86.4
04/27/15	17:00:00	1866.4	85.3	106.5	89.9
04/27/15	18:00:00	1866.4	85.3	108.1	90.9
04/27/15	19:00:00	1866.4	85.4	107.9	87.7
04/27/15	20:00:00	1866.4	85.9	102.7	83.9
04/27/15	21:00:00	1866.4	85.4	91.6	80.0
04/27/15	22:00:00	1866.5	85.3	82.5	76.3
04/27/15	23:00:00	1866.7	85.2	75.4	73.5
04/28/15	00:00:00	1867.0	84.9	70.8	71.1
04/28/15	01:00:00	1867.1	84.6	66.8	68.7
04/28/15	02:00:00	1867.1	84.6	63.4	66.8
04/28/15	03:00:00	1867.1	84.6	60.5	65.2
04/28/15	04:00:00	1867.5	84.5	58.0	63.8
04/28/15	05:00:00	1867.7	84.4	55.9	62.6
04/28/15	06:00:00	1867.8	84.3	54.2	61.5
04/28/15	07:00:00	1867.9	84.2	52.9	60.5
04/28/15	08:00:00	1868.3	84.6	55.6	61.0
04/28/15	09:00:00	1868.6	85.2	63.0	63.7
04/28/15	10:00:00	1868.6	85.6	71.3	67.2
04/28/15	11:00:00	1868.6	86.0	78.6	70.7
04/28/15	12:00:00	1868.6	86.2	83.7	74.0
04/28/15	13:00:00	1868.6	86.5	87.5	77.3
04/28/15	14:00:00	1868.6	86.7	91.2	80.4
04/28/15	15:00:00	1868.5	86.7	95.1	83.4
04/28/15	16:00:00	1868.5	86.7	98.2	86.6
04/28/15	17:00:00	1868.5	86.8	97.8	88.6
04/28/15	18:00:00	1868.6	87.0	97.0	88.7
04/28/15	19:00:00	1868.5	87.0	92.4	83.8
04/28/15	20:00:00	1868.8	87.0	85.2	79.2
04/28/15	21:00:00	1869.0	86.7	77.6	75.5
04/28/15	22:00:00	1869.1	86.6	72.2	72.7
04/28/15	23:00:00	1869.3	86.2	67.5	69.9
04/29/15	00:00:00	1869.3	86.0	63.4	67.5
04/29/15	01:00:00	1869.4	86.0	59.6	65.3
04/29/15	02:00:00	1869.7	85.8	56.5	63.6
04/29/15	03:00:00	1869.9	85.5	54.0	62.1
04/29/15	04:00:00	1870.0	85.4	52.0	60.8
04/29/15	05:00:00	1870.0	85.3	50.8	59.8
04/29/15	06:00:00	1870.0	85.3	49.6	59.0

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/29/15	07:00:00	1870.3	85.3	48.8	58.4
04/29/15	08:00:00	(5)	85.8	52.1	59.1
04/29/15	09:00:00	(5)	(5)	60.1	62.1
04/29/15	10:00:00	(5)	(5)	68.2	65.7
04/29/15	11:00:00	(5)	(5)	74.7	69.2
04/29/15	12:00:00	(5)	(5)	79.9	72.7
04/29/15	13:00:00	(5)	(5)	82.2	74.6
04/29/15	14:00:00	(5)	85.2	86.1	77.4
04/29/15	15:00:00	1861.1	87.8	91.2	80.8
04/29/15	16:00:00	1860.7	87.8	95.4	84.7
04/29/15	17:00:00	1860.8	88.2	98.2	88.3
04/29/15	18:00:00	1860.8	88.2	98.6	89.2
04/29/15	19:00:00	1860.8	88.2	96.7	85.4
04/29/15	20:00:00	1860.9	88.2	91.8	81.2
04/29/15	21:00:00	1861.0	88.1	83.6	77.5
04/29/15	22:00:00	1861.2	87.7	76.2	74.1
04/29/15	23:00:00	1861.2	87.6	70.5	71.2
04/30/15	00:00:00	1861.2	87.6	66.5	69.1
04/30/15	01:00:00	1861.3	87.4	63.1	67.1
04/30/15	02:00:00	1861.3	87.0	60.0	65.4
04/30/15	03:00:00	1861.5	86.8	57.5	64.0
04/30/15	04:00:00	1861.8	86.7	55.5	62.8
04/30/15	05:00:00	1862.0	86.7	53.8	61.7
04/30/15	06:00:00	1862.0	86.7	53.2	60.9
04/30/15	07:00:00	1862.0	86.8	52.6	60.4
04/30/15	08:00:00	1862.7	87.5	55.3	61.0
04/30/15	09:00:00	1862.8	88.1	63.3	63.8
04/30/15	10:00:00	1862.8	88.6	71.9	67.4
04/30/15	11:00:00	1862.8	89.0	79.5	71.0
04/30/15	12:00:00	1862.8	89.3	85.9	74.7
04/30/15	13:00:00	1862.8	89.6	90.8	78.3
04/30/15	14:00:00	1862.8	90.3	94.3	81.0
04/30/15	15:00:00	1756.7	90.5	94.5	81.3
04/30/15	16:00:00	1413.9	90.4	101.7	87.7
04/30/15	17:00:00	1861.0	90.5	108.0	91.5
04/30/15	18:00:00	1860.5	90.7	109.8	92.7
04/30/15	19:00:00	1860.0	90.8	109.3	89.1
04/30/15	20:00:00	1859.7	91.1	105.2	84.9
04/30/15	21:00:00	1859.3	90.7	95.4	80.8
04/30/15	22:00:00	1859.2	90.5	85.9	77.2
04/30/15	23:00:00	1859.1	90.5	77.9	74.2
05/01/15	00:00:00	1859.2	90.4	71.7	71.5
05/01/15	01:00:00	1859.3	90.2	66.7	69.3
05/01/15	02:00:00	1859.5	89.9	62.8	67.4
05/01/15	03:00:00	1859.8	89.9	59.8	65.9
05/01/15	04:00:00	1859.8	90.0	57.5	64.6
05/01/15	05:00:00	1859.8	90.0	55.6	63.5
05/01/15	06:00:00	1859.8	90.1	54.2	62.5
05/01/15	07:00:00	1860.0	90.2	53.2	61.8
05/01/15	08:00:00	1860.5	90.7	56.2	62.3
05/01/15	09:00:00	1860.6	91.4	64.4	65.2
05/01/15	10:00:00	1860.5	91.9	74.1	69.0
05/01/15	11:00:00	1860.0	92.5	83.0	72.8
05/01/15	12:00:00	1858.6	92.8	90.0	76.4
05/01/15	13:00:00	1855.1	93.3	94.7	79.5
05/01/15	14:00:00	1853.4	93.7	98.8	82.8
05/01/15	15:00:00	1852.1	94.0	103.3	86.6
05/01/15	16:00:00	1851.2	94.3	107.0	90.5
05/01/15	17:00:00	1850.3	94.5	108.1	93.8
05/01/15	18:00:00	1849.6	94.8	105.9	94.0
05/01/15	19:00:00	1848.9	94.8	100.9	89.5
05/01/15	20:00:00	1848.1	94.9	92.8	84.0
05/01/15	21:00:00	1847.6	94.8	82.7	79.4
05/01/15	22:00:00	1847.0	94.8	75.7	75.8
05/01/15	23:00:00	1846.5	94.7	71.0	73.0
05/02/15	00:00:00	1845.9	94.8	68.0	71.1
05/02/15	01:00:00	1845.3	94.8	65.6	69.5
05/02/15	02:00:00	1845.0	94.8	62.8	67.8
05/02/15	03:00:00	1844.4	94.8	60.2	66.1
05/02/15	04:00:00	1844.1	94.8	58.5	64.9
05/02/15	05:00:00	1843.7	94.8	57.2	63.9
05/02/15	06:00:00	1843.6	94.9	55.5	63.0
05/02/15	07:00:00	1843.0	95.3	54.4	62.1
05/02/15	08:00:00	1843.0	95.9	56.6	62.4
05/02/15	09:00:00	1843.0	96.5	62.8	64.5
05/02/15	10:00:00	1842.5	97.2	69.8	67.5
05/02/15	11:00:00	1842.1	97.7	76.5	70.8
05/02/15	12:00:00	1841.5	98.1	81.9	74.1
05/02/15	13:00:00	1840.8	98.4	86.1	77.3
05/02/15	14:00:00	1840.2	99.0	90.6	80.5
05/02/15	15:00:00	1839.4	99.2	94.9	83.6
05/02/15	16:00:00	1838.9	99.2	98.7	86.8
05/02/15	17:00:00	1838.2	99.7	100.1	89.7
05/02/15	18:00:00	1837.7	99.9	99.0	89.8
05/02/15	19:00:00	1837.1	99.9	94.1	85.1
05/02/15	20:00:00	1836.4	100.1	85.8	79.8
05/02/15	21:00:00	1836.3	99.9	76.2	75.3
05/02/15	22:00:00	1835.7	99.9	68.8	71.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/02/15	23:00:00	1835.6	99.9	64.1	68.8
05/03/15	00:00:00	1835.3	99.8	60.7	66.6
05/03/15	01:00:00	1835.0	99.8	58.3	64.9
05/03/15	02:00:00	1834.9	99.8	56.3	63.7
05/03/15	03:00:00	1834.8	99.6	54.6	62.6
05/03/15	04:00:00	1834.3	99.7	53.1	61.5
05/03/15	05:00:00	1834.1	99.8	52.1	60.6
05/03/15	06:00:00	1834.1	99.9	51.2	59.9
05/03/15	07:00:00	1834.0	99.9	50.4	59.4
05/03/15	08:00:00	1834.1	100.4	53.4	59.8
05/03/15	09:00:00	1834.0	101.0	60.1	62.1
05/03/15	10:00:00	1833.6	101.5	66.9	65.3
05/03/15	11:00:00	1833.4	102.1	72.8	68.5
05/03/15	12:00:00	1833.0	102.3	77.1	71.5
05/03/15	13:00:00	1834.9	102.7	80.0	74.4
05/03/15	14:00:00	1836.2	103.0	82.5	76.9
05/03/15	15:00:00	1836.7	103.3	85.6	79.3
05/03/15	16:00:00	1837.2	103.6	88.2	81.9
05/03/15	17:00:00	1837.8	104.0	88.4	83.9
05/03/15	18:00:00	1838.2	104.3	85.8	83.1
05/03/15	19:00:00	1838.6	104.3	81.2	78.1
05/03/15	20:00:00	1839.2	104.5	73.9	72.9
05/03/15	21:00:00	1839.8	104.4	65.9	68.8
05/03/15	22:00:00	1840.1	104.3	60.3	65.7
05/03/15	23:00:00	1840.7	104.4	56.8	63.7
05/04/15	00:00:00	1841.1	104.5	54.6	62.1
05/04/15	01:00:00	1841.4	104.7	53.3	61.0
05/04/15	02:00:00	1842.0	105.0	52.4	60.1
05/04/15	03:00:00	1842.6	105.1	51.8	59.4
05/04/15	04:00:00	1843.0	105.1	51.3	58.7
05/04/15	05:00:00	1843.2	105.2	50.6	58.1
05/04/15	06:00:00	1843.7	105.7	50.0	57.6
05/04/15	07:00:00	1843.9	105.8	49.6	57.2
05/04/15	08:00:00	1844.5	106.5	52.6	58.0
05/04/15	09:00:00	(6)	107.4	59.2	60.8
05/04/15	10:00:00	(6)	108.0	65.6	64.0
05/04/15	11:00:00	(6)	108.6	71.4	66.7
05/04/15	12:00:00	1845.1	108.9	75.1	69.4
05/04/15	13:00:00	1843.1	109.3	76.8	71.6
05/04/15	14:00:00	1841.7	109.5	79.7	74.6
05/04/15	15:00:00	1839.7	109.4	82.7	77.2
05/04/15	16:00:00	1837.8	110.0	85.8	80.2
05/04/15	17:00:00	1837.8	110.4	88.2	83.5
05/04/15	18:00:00	1838.0	110.9	87.1	83.1
05/04/15	19:00:00	1837.8	110.9	83.0	78.4
05/04/15	20:00:00	1837.3	110.9	77.0	74.1
05/04/15	21:00:00	1837.2	110.9	70.0	70.9
05/04/15	22:00:00	1836.7	110.9	64.6	68.1
05/04/15	23:00:00	1836.4	110.8	60.0	65.7
05/05/15	00:00:00	1836.3	110.8	56.2	63.8
05/05/15	01:00:00	1835.7	110.9	53.5	62.3
05/05/15	02:00:00	1835.6	111.0	51.2	61.0
05/05/15	03:00:00	1835.4	111.0	49.1	59.7
05/05/15	04:00:00	1835.1	111.0	47.2	58.6
05/05/15	05:00:00	1834.9	111.0	45.6	57.6
05/05/15	06:00:00	1834.9	111.0	44.2	56.7
05/05/15	07:00:00	1834.5	111.2	43.3	56.1
05/05/15	08:00:00	1834.6	111.8	46.5	56.9
05/05/15	09:00:00	1833.0	112.4	54.6	59.6
05/05/15	10:00:00	1833.2	113.3	63.8	63.1
05/05/15	11:00:00	1831.1	113.7	71.8	66.6
05/05/15	12:00:00	1831.4	114.3	77.3	70.1
05/05/15	13:00:00	1824.2	114.5	81.0	73.2
05/05/15	14:00:00	1824.6	114.9	84.2	76.1
05/05/15	15:00:00	1828.2	115.1	87.6	78.9
05/05/15	16:00:00	1828.8	115.2	91.2	82.2
05/05/15	17:00:00	1829.1	115.3	92.1	84.7
05/05/15	18:00:00	1826.3	115.6	89.1	83.0
05/05/15	19:00:00	1824.1	115.3	83.1	78.6
05/05/15	20:00:00	1828.8	115.4	77.2	75.1
05/05/15	21:00:00	1831.3	115.2	71.1	71.9
05/05/15	22:00:00	1832.6	115.2	65.2	68.9
05/05/15	23:00:00	1833.8	115.1	60.8	66.4
05/06/15	00:00:00	1834.6	114.8	57.5	64.6
05/06/15	01:00:00	1835.6	114.6	55.1	63.0
05/06/15	02:00:00	1836.3	114.6	52.7	61.5
05/06/15	03:00:00	1837.0	114.6	50.7	60.3
05/06/15	04:00:00	1837.7	114.6	49.0	59.2
05/06/15	05:00:00	1838.3	114.5	47.7	58.3
05/06/15	06:00:00	1838.9	114.4	46.2	57.4
05/06/15	07:00:00	1839.5	114.2	45.1	56.6
05/06/15	08:00:00	1840.2	114.7	48.4	57.4
05/06/15	09:00:00	1835.2	115.2	56.5	60.0
05/06/15	10:00:00	1827.8	115.7	64.5	63.4
05/06/15	11:00:00	1824.5	116.0	71.0	66.7
05/06/15	12:00:00	1822.0	116.5	75.3	69.7
05/06/15	13:00:00	1819.7	116.8	79.1	72.7
05/06/15	14:00:00	1817.5	116.9	83.0	75.8
05/06/15	15:00:00	1815.6	116.8	86.5	78.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/06/15	16:00:00	1813.7	117.0	90.3	81.8
05/06/15	17:00:00	1811.8	117.3	91.5	84.7
05/06/15	18:00:00	1810.0	117.7	91.0	84.9
05/06/15	19:00:00	1814.8	117.5	87.9	80.9
05/06/15	20:00:00	1820.5	117.6	81.7	76.7
05/06/15	21:00:00	1822.8	117.5	74.7	73.4
05/06/15	22:00:00	1824.3	117.2	69.8	71.0
05/06/15	23:00:00	1825.7	116.9	65.9	68.8
05/07/15	00:00:00	1826.9	116.8	62.4	66.7
05/07/15	01:00:00	1827.8	116.8	59.0	64.9
05/07/15	02:00:00	1829.0	116.6	57.2	63.5
05/07/15	03:00:00	1829.8	116.8	56.3	62.5
05/07/15	04:00:00	1830.4	116.7	55.9	61.7
05/07/15	05:00:00	1831.2	116.9	56.1	61.2
05/07/15	06:00:00	1831.7	116.9	55.1	60.4
05/07/15	07:00:00	1832.4	116.9	54.1	60.1
05/07/15	08:00:00	1833.4	117.1	54.8	60.2
05/07/15	09:00:00	1828.0	117.5	56.5	61.1
05/07/15	10:00:00	1821.3	118.2	64.0	64.1
05/07/15	11:00:00	1817.8	118.5	70.9	67.1
05/07/15	12:00:00	1814.9	118.5	72.8	68.3
05/07/15	13:00:00	1812.6	118.8	73.9	69.6
05/07/15	14:00:00	1810.5	119.0	75.9	71.2
05/07/15	15:00:00	1808.5	119.0	76.7	71.9
05/07/15	16:00:00	1806.6	119.4	75.9	71.7
05/07/15	17:00:00	1804.8	119.5	74.5	71.5
05/07/15	18:00:00	1803.0	119.6	70.6	69.5
05/07/15	19:00:00	1808.1	119.7	67.0	68.0
05/07/15	20:00:00	1814.2	119.7	64.6	66.7
05/07/15	21:00:00	1816.5	119.7	62.5	65.5
05/07/15	22:00:00	1818.3	119.7	60.1	64.1
05/07/15	23:00:00	1819.7	119.6	57.5	62.6
05/08/15	00:00:00	1821.1	119.6	55.6	61.5
05/08/15	01:00:00	1822.4	119.5	53.6	60.5
05/08/15	02:00:00	1823.5	119.6	51.8	59.5
05/08/15	03:00:00	1824.5	119.7	50.2	58.8
05/08/15	04:00:00	1825.5	119.7	48.8	58.0
05/08/15	05:00:00	1826.5	119.8	47.3	57.2
05/08/15	06:00:00	1827.3	120.4	46.0	56.5
05/08/15	07:00:00	1828.3	120.4	45.0	55.9
05/08/15	08:00:00	1828.4	120.8	46.1	56.2
05/08/15	09:00:00	1821.1	121.5	53.2	58.4
05/08/15	10:00:00	1815.7	122.1	61.7	61.8
05/08/15	11:00:00	1812.4	122.6	68.9	65.4
05/08/15	12:00:00	1810.2	123.3	73.8	68.5
05/08/15	13:00:00	1808.4	123.8	77.2	71.4
05/08/15	14:00:00	1806.5	124.2	80.5	74.3
05/08/15	15:00:00	1804.5	124.2	84.4	77.2
05/08/15	16:00:00	1802.7	124.8	88.4	80.4
05/08/15	17:00:00	1801.0	125.2	91.1	83.6
05/08/15	18:00:00	1799.5	125.5	92.0	84.1
05/08/15	19:00:00	1803.7	125.6	91.9	81.2
05/08/15	20:00:00	1807.8	126.1	88.0	77.8
05/08/15	21:00:00	1811.2	126.2	80.2	74.8
05/08/15	22:00:00	1813.5	126.1	74.3	72.3
05/08/15	23:00:00	1815.0	125.9	69.9	70.0
05/09/15	00:00:00	1816.5	126.0	65.7	67.9
05/09/15	01:00:00	1817.8	126.1	61.9	65.9
05/09/15	02:00:00	1819.0	126.2	58.0	63.8
05/09/15	03:00:00	1820.1	126.3	55.1	62.2
05/09/15	04:00:00	1821.2	126.3	53.1	60.9
05/09/15	05:00:00	1822.3	126.3	51.7	59.9
05/09/15	06:00:00	1823.1	126.3	50.9	59.1
05/09/15	07:00:00	1824.1	126.6	50.5	58.6
05/09/15	08:00:00	1825.0	127.3	53.5	59.3
05/09/15	09:00:00	1823.8	128.1	60.2	61.8
05/09/15	10:00:00	(7)	128.9	67.4	65.0
05/09/15	11:00:00	1822.2	129.4	74.0	67.9
05/09/15	12:00:00	1821.8	130.1	77.9	70.9
05/09/15	13:00:00	1821.7	130.2	80.5	73.8
05/09/15	14:00:00	1821.6	130.8	83.7	76.6
05/09/15	15:00:00	1821.1	130.8	87.1	79.3
05/09/15	16:00:00	1821.0	130.9	90.2	82.4
05/09/15	17:00:00	1821.0	131.5	92.6	85.7
05/09/15	18:00:00	1820.7	131.6	92.6	86.1
05/09/15	19:00:00	1820.4	131.8	89.1	82.1
05/09/15	20:00:00	1820.2	132.2	82.9	77.6
05/09/15	21:00:00	1820.2	132.0	74.9	73.7
05/09/15	22:00:00	1820.2	131.7	67.7	70.0
05/09/15	23:00:00	1820.2	131.5	62.9	67.5
05/10/15	00:00:00	1820.2	131.5	59.6	65.6
05/10/15	01:00:00	1820.2	131.6	57.3	64.3
05/10/15	02:00:00	1820.1	131.6	55.1	63.1
05/10/15	03:00:00	1820.0	131.7	53.1	61.9
05/10/15	04:00:00	1819.7	131.9	51.2	60.8
05/10/15	05:00:00	1819.5	132.1	49.7	59.8
05/10/15	06:00:00	1819.5	132.2	48.1	58.8
05/10/15	07:00:00	1819.5	132.2	46.9	58.0
05/10/15	08:00:00	1820.0	132.9	49.5	58.8

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/10/15	09:00:00	1820.1	133.6	57.3	61.4
05/10/15	10:00:00	1820.0	134.3	66.0	64.7
05/10/15	11:00:00	1819.8	134.9	73.6	68.1
05/10/15	12:00:00	1819.7	135.4	79.6	71.4
05/10/15	13:00:00	1819.6	135.8	84.2	74.8
05/10/15	14:00:00	1819.4	136.4	88.6	78.0
05/10/15	15:00:00	1819.4	136.6	92.8	81.2
05/10/15	16:00:00	1819.3	137.0	96.4	84.7
05/10/15	17:00:00	1819.3	137.3	97.7	87.6
05/10/15	18:00:00	1819.2	137.7	96.3	87.5
05/10/15	19:00:00	1818.9	138.0	92.0	83.4
05/10/15	20:00:00	1818.8	138.1	85.6	79.0
05/10/15	21:00:00	1818.9	138.0	76.6	75.0
05/10/15	22:00:00	1818.7	137.5	70.7	72.0
05/10/15	23:00:00	1818.7	137.3	65.8	69.3
05/11/15	00:00:00	1818.7	137.3	61.6	67.0
05/11/15	01:00:00	1818.7	137.2	58.0	65.1
05/11/15	02:00:00	1818.7	137.2	55.0	63.5
05/11/15	03:00:00	1818.8	137.2	52.7	62.1
05/11/15	04:00:00	1818.7	137.2	50.9	61.1
05/11/15	05:00:00	1818.7	137.2	49.7	60.2
05/11/15	06:00:00	1818.7	137.2	49.2	59.5
05/11/15	07:00:00	1818.7	137.2	48.5	59.0
05/11/15	08:00:00	1818.7	137.8	51.8	59.9
05/11/15	09:00:00	1818.8	138.5	60.3	62.8
05/11/15	10:00:00	1818.8	138.8	68.0	66.1
05/11/15	11:00:00	1818.8	139.2	73.4	69.1
05/11/15	12:00:00	1818.8	139.4	77.1	72.1
05/11/15	13:00:00	1818.8	139.5	80.1	74.9
05/11/15	14:00:00	1818.8	139.7	82.6	77.2
05/11/15	15:00:00	1818.6	139.6	85.2	79.4
05/11/15	16:00:00	1818.3	139.5	87.4	82.1
05/11/15	17:00:00	1818.3	139.8	88.2	84.3
05/11/15	18:00:00	1818.0	140.0	86.1	83.1
05/11/15	19:00:00	1818.3	140.0	79.6	78.3
05/11/15	20:00:00	1821.2	139.5	73.5	74.2
05/11/15	21:00:00	1822.3	139.3	66.8	70.5
05/11/15	22:00:00	1823.4	138.9	61.6	67.4
05/11/15	23:00:00	1824.3	138.8	57.9	65.2
05/12/15	00:00:00	1825.1	138.5	54.9	63.3
05/12/15	01:00:00	1825.9	138.1	52.9	61.6
05/12/15	02:00:00	1826.4	138.1	52.0	60.6
05/12/15	03:00:00	1827.1	138.1	51.5	59.8
05/12/15	04:00:00	1827.8	138.1	50.6	59.0
05/12/15	05:00:00	1828.4	138.1	49.5	58.2
05/12/15	06:00:00	1829.1	138.1	49.0	57.6
05/12/15	07:00:00	1829.7	138.1	50.2	57.4
05/12/15	08:00:00	1830.4	138.8	54.3	58.4
05/12/15	09:00:00	1830.8	139.4	59.6	60.8
05/12/15	10:00:00	1831.3	139.8	64.0	63.2
05/12/15	11:00:00	1831.8	140.3	68.2	65.9
05/12/15	12:00:00	1829.6	140.8	71.6	68.7
05/12/15	13:00:00	1828.4	141.0	73.8	71.2
05/12/15	14:00:00	1826.4	141.1	76.8	73.5
05/12/15	15:00:00	1825.9	141.1	80.5	76.0
05/12/15	16:00:00	1823.6	141.4	84.2	79.0
05/12/15	17:00:00	1823.4	141.7	86.3	82.0
05/12/15	18:00:00	1819.3	141.8	86.4	82.0
05/12/15	19:00:00	1819.5	142.3	82.2	77.8
05/12/15	20:00:00	1814.1	142.0	74.5	73.7
05/12/15	21:00:00	1815.2	141.6	66.9	70.0
05/12/15	22:00:00	1819.8	141.6	62.1	67.4
05/12/15	23:00:00	1822.4	141.6	59.0	65.4
05/13/15	00:00:00	1823.8	141.4	56.3	63.7
05/13/15	01:00:00	1824.9	141.4	54.4	62.4
05/13/15	02:00:00	1825.9	141.5	53.0	61.4
05/13/15	03:00:00	1826.6	141.5	52.0	60.5
05/13/15	04:00:00	1826.2	141.6	52.2	60.0
05/13/15	05:00:00	1827.0	141.6	51.4	59.6
05/13/15	06:00:00	1827.4	141.7	50.2	58.9
05/13/15	07:00:00	1827.9	141.6	48.8	58.1
05/13/15	08:00:00	1828.7	142.0	50.5	58.5
05/13/15	09:00:00	1829.2	142.6	57.5	61.0
05/13/15	10:00:00	1829.7	143.2	64.9	64.2
05/13/15	11:00:00	1830.2	143.8	71.0	67.4
05/13/15	12:00:00	1830.5	144.3	75.2	70.1
05/13/15	13:00:00	1821.6	144.4	77.9	72.7
05/13/15	14:00:00	1814.7	144.7	80.4	75.0
05/13/15	15:00:00	1810.4	144.7	82.9	77.1
05/13/15	16:00:00	1807.2	144.7	83.9	78.6
05/13/15	17:00:00	1804.4	144.7	83.8	80.4
05/13/15	18:00:00	1808.8	145.1	81.6	79.1
05/13/15	19:00:00	1813.2	145.2	75.9	74.6
05/13/15	20:00:00	1816.8	144.7	69.6	71.0
05/13/15	21:00:00	1818.5	144.6	64.4	68.0
05/13/15	22:00:00	1819.8	144.6	60.3	65.4
05/13/15	23:00:00	1821.2	144.2	57.2	63.5
05/14/15	00:00:00	1822.2	144.2	55.3	62.3
05/14/15	01:00:00	1823.2	144.1	53.9	61.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/14/15	02:00:00	1824.1	144.1	52.5	60.8
05/14/15	03:00:00	1824.9	144.1	50.7	59.9
05/14/15	04:00:00	1825.7	144.1	49.3	59.1
05/14/15	05:00:00	1826.4	144.3	48.7	58.7
05/14/15	06:00:00	1827.2	144.5	48.4	58.4
05/14/15	07:00:00	1827.9	144.6	48.5	58.4
05/14/15	08:00:00	1828.7	144.8	50.7	59.2
05/14/15	09:00:00	1829.3	145.4	57.0	61.4
05/14/15	10:00:00	1829.8	145.9	62.6	63.6
05/14/15	11:00:00	1830.5	146.6	68.5	66.6
05/14/15	12:00:00	1830.2	146.9	74.8	69.7
05/14/15	13:00:00	1821.4	147.1	78.3	72.2
05/14/15	14:00:00	1811.6	147.6	82.8	75.5
05/14/15	15:00:00	1804.1	147.8	82.8	76.6
05/14/15	16:00:00	1798.5	147.6	73.7	73.4
05/14/15	17:00:00	1794.2	147.4	67.3	70.7
05/14/15	18:00:00	1800.8	147.4	67.2	70.7
05/14/15	19:00:00	1807.3	147.6	67.0	69.4
05/14/15	20:00:00	1811.3	147.6	65.4	68.1
05/14/15	21:00:00	1813.5	147.6	63.4	66.7
05/14/15	22:00:00	1815.0	147.5	60.7	65.3
05/14/15	23:00:00	1816.5	147.5	58.2	64.0
05/15/15	00:00:00	1817.7	147.5	56.2	62.8
05/15/15	01:00:00	1818.9	147.5	54.6	61.9
05/15/15	02:00:00	1819.9	147.6	53.5	61.1
05/15/15	03:00:00	1821.0	147.6	52.5	60.3
05/15/15	04:00:00	1822.0	147.6	51.4	59.4
05/15/15	05:00:00	1822.9	147.8	50.7	58.8
05/15/15	06:00:00	1823.6	148.0	49.7	58.2
05/15/15	07:00:00	1824.5	148.0	48.8	57.8
05/15/15	08:00:00	1825.3	148.6	52.1	58.7
05/15/15	09:00:00	1826.2	149.2	59.3	61.3
05/15/15	10:00:00	1826.8	149.7	67.0	64.5
05/15/15	11:00:00	1827.4	150.3	73.2	67.8
05/15/15	12:00:00	1827.2	150.5	77.4	70.8
05/15/15	13:00:00	1815.8	150.6	79.3	73.4
05/15/15	14:00:00	1805.0	150.9	81.7	75.9
05/15/15	15:00:00	1799.3	150.9	83.8	77.9
05/15/15	16:00:00	1794.4	151.0	85.6	80.5
05/15/15	17:00:00	1790.0	151.1	87.0	83.2
05/15/15	18:00:00	1796.8	151.1	86.1	82.9
05/15/15	19:00:00	1802.4	151.2	82.8	79.0
05/15/15	20:00:00	1804.0	151.3	77.4	74.9
05/15/15	21:00:00	1805.1	151.1	69.3	71.1
05/15/15	22:00:00	1805.8	150.6	63.1	68.0
05/15/15	23:00:00	1806.5	150.4	59.5	65.9
05/16/15	00:00:00	1807.0	150.4	57.0	64.4
05/16/15	01:00:00	1807.4	150.3	54.7	63.1
05/16/15	02:00:00	1807.8	150.0	53.0	62.0
05/16/15	03:00:00	1808.2	149.8	51.6	61.1
05/16/15	04:00:00	1808.6	149.7	50.5	60.3
05/16/15	05:00:00	1809.1	149.7	49.6	59.4
05/16/15	06:00:00	1809.3	149.7	48.9	58.8
05/16/15	07:00:00	1809.3	149.7	48.3	58.4
05/16/15	08:00:00	(8)	(8)	(8)	(8)
05/16/15	09:00:00	(8)	(8)	(8)	(8)
05/16/15	10:00:00	(8)	(8)	(8)	(8)
05/16/15	11:00:00	(8)	(8)	(8)	(8)
05/16/15	12:00:00	(8)	(8)	(8)	(8)
05/16/15	13:00:00	1810.7	152.6	83.7	76.1
05/16/15	14:00:00	1811.1	152.7	85.4	77.5
05/16/15	15:00:00	1810.9	152.7	88.9	80.2
05/16/15	16:00:00	1811.2	152.7	92.8	83.4
05/16/15	17:00:00	1811.4	152.8	94.0	86.1
05/16/15	18:00:00	1811.5	152.7	92.7	85.9
05/16/15	19:00:00	1811.5	152.7	88.2	81.9
05/16/15	20:00:00	1811.5	152.7	81.0	77.0
05/16/15	21:00:00	1811.5	152.5	72.9	73.3
05/16/15	22:00:00	1811.5	152.0	66.9	70.4
05/16/15	23:00:00	1811.6	152.0	61.9	67.8
05/17/15	00:00:00	1811.6	151.6	58.6	65.8
05/17/15	01:00:00	1811.8	151.2	56.4	64.5
05/17/15	02:00:00	1812.0	151.1	54.7	63.5
05/17/15	03:00:00	1812.0	151.1	53.4	62.6
05/17/15	04:00:00	1812.1	151.1	52.4	61.9
05/17/15	05:00:00	1812.1	151.1	51.4	61.2
05/17/15	06:00:00	1812.1	150.8	50.6	60.5
05/17/15	07:00:00	1812.1	150.8	50.2	60.2
05/17/15	08:00:00	1812.1	151.1	52.1	60.7
05/17/15	09:00:00	1812.2	151.1	55.6	61.9
05/17/15	10:00:00	1812.2	151.2	59.1	63.3
05/17/15	11:00:00	1812.3	151.8	63.7	65.3
05/17/15	12:00:00	1812.5	152.1	68.8	67.7
05/17/15	13:00:00	1812.7	152.7	74.5	70.8
05/17/15	14:00:00	1812.3	153.1	78.9	73.9
05/17/15	15:00:00	1812.3	153.2	79.7	75.5
05/17/15	16:00:00	1812.4	153.2	82.0	77.9
05/17/15	17:00:00	1812.3	153.6	83.7	79.5

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/17/15	18:00:00	1812.3	153.9	81.2	77.4
05/17/15	19:00:00	1812.2	153.5	76.2	74.6
05/17/15	20:00:00	1812.2	153.4	70.8	71.6
05/17/15	21:00:00	1812.2	153.3	65.9	68.7
05/17/15	22:00:00	1812.2	152.8	62.0	66.5
05/17/15	23:00:00	1812.2	152.7	59.3	65.0
05/18/15	00:00:00	1812.1	152.7	57.6	64.2
05/18/15	01:00:00	1812.1	152.7	56.5	63.5
05/18/15	02:00:00	1812.1	152.7	55.8	62.9
05/18/15	03:00:00	1812.2	152.7	55.2	62.4
05/18/15	04:00:00	1812.2	152.7	54.5	61.9
05/18/15	05:00:00	1812.2	152.7	53.8	61.4
05/18/15	06:00:00	1812.2	152.7	53.0	60.9
05/18/15	07:00:00	1812.1	152.7	52.4	60.6
05/18/15	08:00:00	1812.2	152.9	53.8	60.9
05/18/15	09:00:00	1812.3	153.3	57.5	62.1
05/18/15	10:00:00	1812.6	153.9	63.1	64.5
05/18/15	11:00:00	1812.5	154.3	70.2	67.7
05/18/15	12:00:00	1812.8	154.7	74.1	70.2
05/18/15	13:00:00	1812.6	154.9	78.0	72.9
05/18/15	14:00:00	1812.5	155.5	80.9	75.1
05/18/15	15:00:00	1812.3	155.4	83.4	77.6
05/18/15	16:00:00	1812.1	155.5	85.6	80.3
05/18/15	17:00:00	1812.1	155.6	86.2	82.7
05/18/15	18:00:00	1812.1	155.6	85.0	82.1
05/18/15	19:00:00	1812.1	155.6	81.8	78.5
05/18/15	20:00:00	1812.1	155.6	76.0	74.2
05/18/15	21:00:00	1812.1	155.3	68.1	70.8
05/18/15	22:00:00	1812.1	154.9	63.2	68.3
05/18/15	23:00:00	1812.1	154.9	59.7	66.2
05/19/15	00:00:00	1812.1	154.9	56.7	64.5
05/19/15	01:00:00	1812.1	154.9	54.4	63.1
05/19/15	02:00:00	1812.1	154.8	52.4	62.0
05/19/15	03:00:00	1812.1	154.8	50.7	61.0
05/19/15	04:00:00	1812.1	154.9	49.4	60.1
05/19/15	05:00:00	1812.1	154.8	48.6	59.4
05/19/15	06:00:00	1812.1	154.8	47.8	58.8
05/19/15	07:00:00	1812.0	154.8	47.4	58.4
05/19/15	08:00:00	1812.1	155.3	51.3	59.4
05/19/15	09:00:00	1812.2	156.0	59.1	62.1
05/19/15	10:00:00	1812.2	156.5	66.9	65.1
05/19/15	11:00:00	1812.2	157.0	73.1	68.1
05/19/15	12:00:00	1812.2	157.6	77.8	71.3
05/19/15	13:00:00	1812.2	157.8	80.9	74.3
05/19/15	14:00:00	1812.2	158.4	84.0	77.0
05/19/15	15:00:00	1812.1	158.5	87.1	79.5
05/19/15	16:00:00	1811.9	158.6	89.2	82.4
05/19/15	17:00:00	1812.1	158.7	90.5	85.2
05/19/15	18:00:00	1811.8	158.9	90.7	85.0
05/19/15	19:00:00	1811.8	159.2	87.3	81.4
05/19/15	20:00:00	1811.7	159.3	79.9	76.2
05/19/15	21:00:00	1811.8	158.7	70.7	72.0
05/19/15	22:00:00	1811.8	158.6	64.7	69.2
05/19/15	23:00:00	1811.7	158.5	60.7	66.7
05/20/15	00:00:00	1811.7	158.2	57.7	65.0
05/20/15	01:00:00	1811.5	158.0	55.6	63.9
05/20/15	02:00:00	1811.5	157.9	53.7	62.8
05/20/15	03:00:00	1811.5	157.9	52.1	61.9
05/20/15	04:00:00	1811.4	157.9	50.9	61.1
05/20/15	05:00:00	1811.4	157.9	49.7	60.4
05/20/15	06:00:00	1811.4	158.0	48.7	59.8
05/20/15	07:00:00	1811.4	158.0	48.3	59.3
05/20/15	08:00:00	1811.8	158.6	52.1	60.2
05/20/15	09:00:00	1812.0	159.3	59.7	62.7
05/20/15	10:00:00	1811.9	159.7	67.6	65.7
05/20/15	11:00:00	1811.8	160.0	72.8	68.5
05/20/15	12:00:00	1812.1	160.5	77.5	71.5
05/20/15	13:00:00	1812.1	160.7	82.1	74.8
05/20/15	14:00:00	1811.7	161.0	85.2	77.7
05/20/15	15:00:00	1811.5	161.0	87.6	80.0
05/20/15	16:00:00	1811.4	160.9	87.6	81.4
05/20/15	17:00:00	1811.4	160.9	85.7	82.1
05/20/15	18:00:00	1811.4	160.8	83.9	81.4
05/20/15	19:00:00	1811.4	160.8	81.3	78.4
05/20/15	20:00:00	1811.4	160.8	75.9	74.1
05/20/15	21:00:00	1811.4	160.6	68.1	70.3
05/20/15	22:00:00	1811.4	160.1	62.2	67.3
05/20/15	23:00:00	1811.4	160.0	58.8	65.2
05/21/15	00:00:00	1811.4	159.7	57.1	64.1
05/21/15	01:00:00	1811.4	159.7	55.9	63.4
05/21/15	02:00:00	1811.4	159.5	54.8	62.6
05/21/15	03:00:00	1811.4	159.4	53.8	62.0
05/21/15	04:00:00	1811.4	159.3	52.7	61.3
05/21/15	05:00:00	1811.3	159.3	52.0	60.5
05/21/15	06:00:00	1811.3	159.4	52.4	60.0
05/21/15	07:00:00	1811.3	159.5	53.1	60.0
05/21/15	08:00:00	1811.8	160.0	55.6	60.8
05/21/15	09:00:00	1813.8	160.1	59.3	62.2
05/21/15	10:00:00	1815.6	160.8	63.0	64.1

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/21/15	11:00:00	1817.2	161.4	69.4	67.3
05/21/15	12:00:00	1817.5	161.5	73.0	69.7
05/21/15	13:00:00	1815.5	162.0	76.3	72.3
05/21/15	14:00:00	1814.9	162.5	80.6	75.5
05/21/15	15:00:00	1814.4	162.9	83.0	77.2
05/21/15	16:00:00	1814.4	162.7	84.1	78.4
05/21/15	17:00:00	1814.0	163.1	86.4	80.6
05/21/15	18:00:00	1813.7	163.4	85.3	79.8
05/21/15	19:00:00	1815.5	163.2	81.2	77.5
05/21/15	20:00:00	1817.9	163.6	77.0	74.2
05/21/15	21:00:00	1819.2	163.0	69.6	70.7
05/21/15	22:00:00	1820.2	162.9	64.1	68.0
05/21/15	23:00:00	1820.8	162.9	61.0	66.1
05/22/15	00:00:00	1820.6	162.9	59.3	64.8
05/22/15	01:00:00	1822.2	162.9	58.2	63.8
05/22/15	02:00:00	1823.1	162.9	57.2	63.1
05/22/15	03:00:00	1823.7	162.9	56.4	62.6
05/22/15	04:00:00	1824.3	162.9	54.9	61.7
05/22/15	05:00:00	1825.0	162.9	53.3	61.1
05/22/15	06:00:00	1825.6	162.9	52.6	60.8
05/22/15	07:00:00	1826.1	162.9	52.4	60.7
05/22/15	08:00:00	1826.7	162.9	54.0	61.0
05/22/15	09:00:00	1827.1	163.5	57.5	62.1
05/22/15	10:00:00	1827.8	163.7	61.3	63.7
05/22/15	11:00:00	1828.5	164.6	67.2	66.6
05/22/15	12:00:00	1828.3	165.2	74.1	70.2
05/22/15	13:00:00	1825.7	165.7	79.1	73.5
05/22/15	14:00:00	1824.5	166.0	83.6	76.6
05/22/15	15:00:00	1823.8	166.3	87.1	79.3
05/22/15	16:00:00	1823.2	166.5	88.7	81.4
05/22/15	17:00:00	1822.5	166.6	88.9	83.4
05/22/15	18:00:00	1822.2	166.6	88.9	83.4
05/22/15	19:00:00	1823.4	167.0	85.5	80.2
05/22/15	20:00:00	1825.7	166.9	77.4	75.6
05/22/15	21:00:00	1826.7	166.6	70.8	72.4
05/22/15	22:00:00	1827.5	166.6	66.1	69.8
05/22/15	23:00:00	1828.3	166.5	63.2	68.0
05/23/15	00:00:00	1829.0	166.3	61.1	66.8
05/23/15	01:00:00	1829.5	166.2	58.9	65.6
05/23/15	02:00:00	1830.0	166.0	57.0	64.5
05/23/15	03:00:00	1830.5	165.9	55.5	63.7
05/23/15	04:00:00	1830.1	166.0	54.8	63.0
05/23/15	05:00:00	1831.1	166.1	54.2	62.3
05/23/15	06:00:00	1831.7	166.0	53.2	61.7
05/23/15	07:00:00	1832.1	166.1	52.6	61.4
05/23/15	08:00:00	1832.7	166.6	54.6	61.9
05/23/15	09:00:00	1833.2	166.8	57.9	63.0
05/23/15	10:00:00	1833.8	167.5	64.3	65.5
05/23/15	11:00:00	1834.2	168.0	72.7	68.9
05/23/15	12:00:00	1834.6	168.4	79.2	72.1
05/23/15	13:00:00	1835.0	168.7	83.5	74.8
05/23/15	14:00:00	1835.4	169.2	86.3	77.1
05/23/15	15:00:00	1835.6	169.4	89.7	79.8
05/23/15	16:00:00	1835.7	169.5	92.8	82.6
05/23/15	17:00:00	1836.2	169.6	93.8	85.0
05/23/15	18:00:00	1836.4	169.6	92.9	84.7
05/23/15	19:00:00	1836.5	170.0	90.2	82.3
05/23/15	20:00:00	1837.0	170.1	84.2	78.2
05/23/15	21:00:00	1837.2	169.7	76.8	75.1
05/23/15	22:00:00	1837.7	169.5	71.1	72.3
05/23/15	23:00:00	1837.9	169.4	66.7	70.2
05/24/15	00:00:00	1838.2	169.4	63.3	68.4
05/24/15	01:00:00	1838.6	169.2	60.7	66.8
05/24/15	02:00:00	1838.8	169.0	58.4	65.6
05/24/15	03:00:00	1839.3	168.8	56.5	64.5
05/24/15	04:00:00	1839.4	168.8	54.9	63.6
05/24/15	05:00:00	1839.9	168.8	53.5	62.7
05/24/15	06:00:00	1840.0	168.8	52.9	62.0
05/24/15	07:00:00	1840.3	168.9	52.8	61.6
05/24/15	08:00:00	1840.7	169.6	57.0	62.6
05/24/15	09:00:00	1841.0	170.2	64.5	65.4
05/24/15	10:00:00	1841.4	170.8	71.4	68.6
05/24/15	11:00:00	1841.7	171.3	77.3	71.9
05/24/15	12:00:00	1842.0	171.8	82.4	75.1
05/24/15	13:00:00	1842.1	172.0	86.3	78.4
05/24/15	14:00:00	1842.3	172.4	90.7	81.3
05/24/15	15:00:00	1842.3	172.4	94.9	84.0
05/24/15	16:00:00	1842.9	172.6	97.5	86.5
05/24/15	17:00:00	1842.9	172.8	96.5	88.1
05/24/15	18:00:00	1843.1	172.7	94.0	87.0
05/24/15	19:00:00	1843.4	173.1	89.9	83.6
05/24/15	20:00:00	1843.7	172.6	82.6	78.5
05/24/15	21:00:00	1844.0	172.3	73.1	74.2
05/24/15	22:00:00	1844.4	172.0	66.4	71.0
05/24/15	23:00:00	1844.5	171.8	61.6	68.2
05/25/15	00:00:00	1845.1	171.8	58.4	66.4
05/25/15	01:00:00	1845.1	171.4	56.5	65.3
05/25/15	02:00:00	1845.4	171.1	55.1	64.4
05/25/15	03:00:00	1845.9	171.1	53.9	63.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/25/15	04:00:00	1845.9	170.9	52.8	62.7
05/25/15	05:00:00	1846.1	171.0	52.1	62.2
05/25/15	06:00:00	1846.2	170.9	51.6	61.5
05/25/15	07:00:00	1846.5	171.0	51.3	61.2
05/25/15	08:00:00	1847.3	171.8	55.4	62.1
05/25/15	09:00:00	1847.4	172.3	62.5	64.5
05/25/15	10:00:00	1847.5	172.9	69.6	67.4
05/25/15	11:00:00	1848.0	173.2	75.9	70.6
05/25/15	12:00:00	1848.1	173.7	80.9	73.8
05/25/15	13:00:00	1848.1	173.9	84.3	76.7
05/25/15	14:00:00	1848.0	174.3	87.0	79.2
05/25/15	15:00:00	1848.1	174.3	89.7	81.5
05/25/15	16:00:00	1848.6	174.2	91.1	83.3
05/25/15	17:00:00	1848.7	174.4	91.2	85.3
05/25/15	18:00:00	1848.8	174.5	89.2	84.2
05/25/15	19:00:00	1848.9	174.6	85.0	80.8
05/25/15	20:00:00	1849.5	174.4	78.3	76.0
05/25/15	21:00:00	1849.5	173.9	69.9	72.1
05/25/15	22:00:00	1847.7	173.8	63.5	68.9
05/25/15	23:00:00	1848.1	173.3	59.6	66.7
05/26/15	00:00:00	1847.8	173.2	57.2	65.2
05/26/15	01:00:00	1848.5	173.2	55.4	63.8
05/26/15	02:00:00	1848.8	173.2	54.2	62.8
05/26/15	03:00:00	1848.8	173.2	53.3	62.0
05/26/15	04:00:00	1848.9	173.0	52.6	61.3
05/26/15	05:00:00	1849.7	173.2	52.1	60.8
05/26/15	06:00:00	1850.2	173.1	51.8	60.3
05/26/15	07:00:00	1850.5	173.2	52.0	60.0
05/26/15	08:00:00	1851.0	173.7	56.5	61.1
05/26/15	09:00:00	1851.5	174.2	62.9	63.6
05/26/15	10:00:00	1851.8	174.6	68.9	66.5
05/26/15	11:00:00	1852.1	175.1	74.0	69.6
05/26/15	12:00:00	1852.2	175.3	77.8	72.5
05/26/15	13:00:00	1849.0	175.6	80.7	75.2
05/26/15	14:00:00	1847.6	176.0	84.2	77.7
05/26/15	15:00:00	1846.6	176.0	87.9	80.3
05/26/15	16:00:00	1845.9	176.0	90.4	82.5
05/26/15	17:00:00	1845.2	176.0	90.9	84.8
05/26/15	18:00:00	1844.5	176.0	89.3	84.0
05/26/15	19:00:00	1843.9	176.1	86.1	81.1
05/26/15	20:00:00	1845.8	176.0	80.2	76.6
05/26/15	21:00:00	1847.8	175.9	71.0	72.4
05/26/15	22:00:00	1848.6	175.4	64.0	69.1
05/26/15	23:00:00	1849.3	175.4	59.8	66.8
05/27/15	00:00:00	1849.7	175.3	57.3	65.2
05/27/15	01:00:00	1850.2	175.1	55.7	64.0
05/27/15	02:00:00	1850.3	174.9	54.6	63.0
05/27/15	03:00:00	1851.1	174.9	53.6	62.3
05/27/15	04:00:00	1851.4	174.7	52.6	61.8
05/27/15	05:00:00	1851.9	174.7	52.0	61.1
05/27/15	06:00:00	1851.9	174.6	51.9	60.4
05/27/15	07:00:00	1852.6	174.8	52.3	60.2
05/27/15	08:00:00	1853.2	175.6	56.5	61.3
05/27/15	09:00:00	1853.4	176.0	63.0	63.7
05/27/15	10:00:00	1853.9	176.6	69.0	66.5
05/27/15	11:00:00	1854.5	176.8	73.9	69.3
05/27/15	12:00:00	1854.6	177.4	77.4	72.0
05/27/15	13:00:00	1851.3	177.5	81.8	75.6
05/27/15	14:00:00	1850.1	178.0	85.7	78.2
05/27/15	15:00:00	1849.1	178.2	89.9	81.0
05/27/15	16:00:00	1848.4	178.3	92.8	83.5
05/27/15	17:00:00	1847.8	178.3	93.4	85.8
05/27/15	18:00:00	1847.2	178.3	91.7	85.2
05/27/15	19:00:00	1848.4	178.4	88.6	82.5
05/27/15	20:00:00	1850.6	178.3	83.3	78.3
05/27/15	21:00:00	1851.6	178.3	75.4	74.9
05/27/15	22:00:00	1852.2	177.8	69.1	72.0
05/27/15	23:00:00	1852.6	177.5	64.7	69.7
05/28/15	00:00:00	1853.2	177.5	61.5	68.1
05/28/15	01:00:00	1853.7	177.5	59.1	66.7
05/28/15	02:00:00	1854.2	177.4	56.6	65.3
05/28/15	03:00:00	1854.6	177.0	54.4	64.0
05/28/15	04:00:00	1855.0	176.8	52.4	62.9
05/28/15	05:00:00	1855.4	176.8	50.7	61.9
05/28/15	06:00:00	1856.2	176.8	49.3	61.0
05/28/15	07:00:00	1856.4	176.8	48.6	60.5
05/28/15	08:00:00	1856.8	177.3	53.2	61.5
05/28/15	09:00:00	1857.4	178.0	61.7	64.3
05/28/15	10:00:00	1857.7	178.5	69.8	67.4
05/28/15	11:00:00	1858.0	178.9	76.3	70.7
05/28/15	12:00:00	1858.0	178.9	80.8	73.8
05/28/15	13:00:00	1854.8	179.4	85.1	76.8
05/28/15	14:00:00	1853.5	179.8	88.4	79.3
05/28/15	15:00:00	1852.7	179.8	90.5	81.1
05/28/15	16:00:00	1852.0	179.8	93.2	83.1
05/28/15	17:00:00	1851.2	179.8	98.0	86.7
05/28/15	18:00:00	1850.6	180.4	100.1	87.4
05/28/15	19:00:00	1851.9	180.5	98.4	86.0
05/28/15	20:00:00	1853.9	180.5	93.9	82.4

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/28/15	21:00:00	1854.8	180.4	85.0	78.9
05/28/15	22:00:00	1855.4	179.9	76.2	75.4
05/28/15	23:00:00	1856.2	179.8	69.9	72.5
05/29/15	00:00:00	1856.6	179.7	65.2	70.1
05/29/15	01:00:00	1856.9	179.2	61.7	68.3
05/29/15	02:00:00	1857.6	179.0	58.6	66.6
05/29/15	03:00:00	1857.8	179.0	55.7	65.1
05/29/15	04:00:00	1858.4	178.9	53.3	63.8
05/29/15	05:00:00	1858.8	178.8	51.3	62.6
05/29/15	06:00:00	1859.1	178.6	49.6	61.6
05/29/15	07:00:00	1859.6	178.7	48.8	61.0
05/29/15	08:00:00	1860.2	179.4	53.6	62.0
05/29/15	09:00:00	1860.6	180.0	62.2	64.8
05/29/15	10:00:00	1860.8	180.6	70.8	67.9
05/29/15	11:00:00	1861.3	181.1	77.8	71.2
05/29/15	12:00:00	1861.0	181.2	83.3	74.8
05/29/15	13:00:00	1858.2	181.8	87.7	78.4
05/29/15	14:00:00	1856.7	182.0	92.5	81.8
05/29/15	15:00:00	1855.8	182.1	97.3	85.0
05/29/15	16:00:00	1855.1	182.6	100.7	87.4
05/29/15	17:00:00	1854.4	182.5	101.5	89.0
05/29/15	18:00:00	1853.8	182.6	102.9	90.1
05/29/15	19:00:00	1854.8	182.6	101.3	88.6
05/29/15	20:00:00	1857.1	182.7	95.9	84.6
05/29/15	21:00:00	1858.0	182.6	87.4	81.1
05/29/15	22:00:00	1858.7	182.2	79.5	77.7
05/29/15	23:00:00	1859.1	181.9	72.9	74.7
05/30/15	00:00:00	1859.7	181.9	68.0	72.3
05/30/15	01:00:00	1859.9	181.6	64.2	70.2
05/30/15	02:00:00	1860.4	181.3	60.9	68.5
05/30/15	03:00:00	1858.1	181.3	58.2	67.0
05/30/15	04:00:00	1856.5	181.2	55.8	65.6
05/30/15	05:00:00	1855.7	181.1	53.7	64.4
05/30/15	06:00:00	1855.0	180.9	52.1	63.5
05/30/15	07:00:00	1854.7	181.2	51.9	62.7
05/30/15	08:00:00	(9)	181.2	54.5	63.2
05/30/15	09:00:00	(9)	181.2	55.2	63.5
05/30/15	10:00:00	(9)	181.3	55.2	63.5
05/30/15	11:00:00	(9)	181.9	60.3	67.3
05/30/15	12:00:00	1851.1	183.5	84.3	75.5
05/30/15	13:00:00	1851.0	183.9	87.7	78.4
05/30/15	14:00:00	1848.8	184.2	91.2	81.1
05/30/15	15:00:00	1848.8	184.2	94.9	83.7
05/30/15	16:00:00	1844.8	184.2	99.8	86.6
05/30/15	17:00:00	1845.2	184.3	102.9	89.6
05/30/15	18:00:00	1840.1	184.5	102.9	89.7
05/30/15	19:00:00	1841.0	184.6	101.4	88.5
05/30/15	20:00:00	1840.1	184.8	96.3	84.6
05/30/15	21:00:00	1832.7	184.1	86.0	80.8
05/30/15	22:00:00	1829.1	183.6	76.5	77.0
05/30/15	23:00:00	1826.4	183.4	69.9	74.0
05/31/15	00:00:00	1823.9	183.2	65.6	71.6
05/31/15	01:00:00	1821.5	182.8	62.6	69.8
05/31/15	02:00:00	1819.1	182.6	60.3	68.5
05/31/15	03:00:00	1817.0	182.7	58.1	67.2
05/31/15	04:00:00	1815.0	182.5	56.0	66.0
05/31/15	05:00:00	1813.1	182.4	54.3	64.9
05/31/15	06:00:00	1810.7	182.1	53.0	64.0
05/31/15	07:00:00	1808.8	182.0	52.5	63.2
05/31/15	08:00:00	1807.1	182.8	56.7	63.7
05/31/15	09:00:00	1805.4	183.3	64.7	66.7
05/31/15	10:00:00	1803.4	183.6	71.2	69.3
05/31/15	11:00:00	1801.9	183.9	74.1	71.3
05/31/15	12:00:00	1800.2	184.1	79.3	74.2
05/31/15	13:00:00	1798.5	184.7	82.9	76.7
05/31/15	14:00:00	1796.7	184.4	81.7	77.1
05/31/15	15:00:00	1795.3	184.4	82.7	78.0
05/31/15	16:00:00	1793.9	184.7	82.9	78.3
05/31/15	17:00:00	1792.4	184.4	82.4	78.9
05/31/15	18:00:00	1790.9	184.7	87.4	81.8
05/31/15	19:00:00	1789.4	184.8	86.5	79.9
05/31/15	20:00:00	1788.1	184.7	80.9	76.3
05/31/15	21:00:00	1786.8	184.2	71.9	72.7
05/31/15	22:00:00	1785.5	183.8	63.7	69.0
05/31/15	23:00:00	1784.7	183.4	59.3	66.6
06/01/15	00:00:00	1783.2	183.4	57.0	65.2

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
Monthly Statistics					
	February Average:	1712.8	74.9	57.9	57.7
	February Minimum:	1687.7	70.5	32.8	43.1
	February Maximum:	1744.1	82.4	90.8	76.4
	March Average:	1786.7	69.8	65.9	64.4
	March Minimum:	1736.9	68.1	37.0	46.7
	March Maximum:	1827.5	72.9	106.3	90.2
	April Average:	1842.0	74.3	66.2	65.5
	April Minimum:	1806.5	67.9	38.0	48.1
	April Maximum:	1871.0	91.3	110.1	92.9
	May Average:	1828.5	146.6	68.8	69.7
	May Minimum:	1782.2	89.5	42.9	55.7
	May Maximum	1861.4	185.1	108.3	94.5

Notes:

1) Data are missing on 3/8/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
2) Data are missing on 3/30/15 at 14:00:00 hours because the BHP tools were installed in the well for the mid-bubblebuild pressure survey and the pressure transmitter was taken out of service.
3) Data are missing on 4/3/15 at 08:00:00 hours because the BHP tools were retrieved and the pressure transmitter was taken out of service.
4) Data are missing on 4/4/15 from 09:00:00 hours to 16:00:00 hours because the Halliburton TMDL log was run in the well and the pressure transmitter was taken out of service.
5) Data are missing on 4/29/15 from 08:00:00 hours to 14:00:00 hours because the Piacentine 1-27 wellhead was out of service due to conducting temperature logging in the well.
6) Data are missing on 5/4/15 from 09:00:00 hours to 11:00:00 hours due to the transmitter being disconnected from the pressure source (reading atmospheric pressure)
7) Data are missing on 5/9/15 at 10:00:00 hours due to the transmitter being disconnected from the pressure source (reading atmospheric pressure).
8) Data are missing on 5/16/15 from 08:00:00 hours to 12:00:00 hours due to an accidental shutdown of the data acquisition program.
9) Data are missing on 5/30/15 from 08:00:00 hours to 11:00:00 hours due to the transmitter being disconnected from the pressure source (reading atmospheric pressure)

ATTACHMENT 3

Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/08/15	01:00:00	0.0	1694.0	193.0	1887.0	Producing
02/08/15	02:00:00	0.0	1697.2	193.0	1890.2	Producing
02/08/15	03:00:00	0.0	1698.4	193.0	1891.4	Producing
02/08/15	04:00:00	0.0	1695.5	193.0	1888.5	Producing
02/08/15	05:00:00	0.0	1694.9	193.0	1887.9	Producing
02/08/15	06:00:00	0.0	1697.9	193.0	1890.9	Producing
02/08/15	07:00:00	0.0	1698.2	193.0	1891.2	Producing
02/08/15	08:00:00	0.0	1698.1	193.0	1891.1	Producing
02/08/15	09:00:00	0.0	1697.1	193.0	1890.1	Producing
02/08/15	10:00:00	0.0	1694.9	193.0	1887.9	Producing
02/08/15	11:00:00	0.0	1697.3	193.0	1890.3	Producing
02/08/15	12:00:00	0.0	1698.8	193.0	1891.8	Producing
02/08/15	13:00:00	0.0	1695.1	193.0	1888.1	Producing
02/08/15	14:00:00	0.0	1695.5	193.0	1888.5	Producing
02/08/15	15:00:00	0.0	1696.9	193.0	1889.9	Producing
02/08/15	16:00:00	0.0	1695.4	193.0	1888.4	Producing
02/08/15	17:00:00	0.0	1697.2	193.0	1890.2	Producing
02/08/15	18:00:00	0.0	1697.9	193.0	1890.9	Producing
02/08/15	19:00:00	0.0	1693.9	193.0	1886.9	Producing
02/08/15	20:00:00	0.0	1694.6	193.0	1887.6	Producing
02/08/15	21:00:00	0.0	1695.8	193.0	1888.8	Producing
02/08/15	22:00:00	0.0	1693.5	193.0	1886.5	Producing
02/08/15	23:00:00	0.0	1694.6	193.0	1887.6	Producing
02/09/15	00:00:00	0.0	1695.1	193.0	1888.1	Producing
02/09/15	01:00:00	0.0	1698.2	193.0	1891.2	Producing
02/09/15	02:00:00	0.0	1694.5	193.0	1887.5	Producing
02/09/15	03:00:00	0.0	1693.5	193.0	1886.5	Producing
02/09/15	04:00:00	0.0	1695.1	193.0	1888.1	Producing
02/09/15	05:00:00	0.0	1697.3	193.0	1890.3	Producing
02/09/15	06:00:00	0.0	1696.8	193.0	1889.8	Producing
02/09/15	07:00:00	0.0	1694.4	193.0	1887.4	Producing
02/09/15	08:00:00	0.0	1694.4	193.0	1887.4	Producing
02/09/15	09:00:00	0.0	1695.2	193.0	1888.2	Producing
02/09/15	10:00:00	0.0	1699.9	193.0	1892.9	Producing
02/09/15	11:00:00	0.0	1699.6	193.0	1892.6	Producing
02/09/15	12:00:00	0.0	1699.6	193.0	1892.6	Producing
02/09/15	13:00:00	0.0	1699.4	193.0	1892.4	Producing
02/09/15	14:00:00	0.0	1699.1	193.0	1892.1	Producing
02/09/15	15:00:00	0.0	1697.5	193.0	1890.5	Producing
02/09/15	16:00:00	0.0	1696.7	193.0	1889.7	Producing
02/09/15	17:00:00	0.0	1697.6	193.0	1890.6	Producing
02/09/15	18:00:00	0.0	1692.4	193.0	1885.4	Producing
02/09/15	19:00:00	0.0	1693.6	193.0	1886.6	Producing
02/09/15	20:00:00	0.0	1693.9	193.0	1886.9	Producing
02/09/15	21:00:00	0.0	1694.1	193.0	1887.1	Producing
02/09/15	22:00:00	0.0	1694.2	193.0	1887.2	Producing
02/09/15	23:00:00	0.0	1694.8	193.0	1887.8	Producing
02/10/15	00:00:00	0.0	1692.9	193.0	1885.9	Producing
02/10/15	01:00:00	0.0	1684.7	193.0	1877.7	Producing
02/10/15	02:00:00	0.0	1686.3	193.0	1879.3	Producing
02/10/15	03:00:00	0.0	1682.7	193.0	1875.7	Producing
02/10/15	04:00:00	0.0	1679.6	193.0	1872.6	Producing
02/10/15	05:00:00	0.0	1674.9	193.0	1867.9	Producing
02/10/15	06:00:00	0.0	1666.5	193.0	1859.5	Producing
02/10/15	07:00:00	0.0	1659.4	193.0	1852.4	Producing
02/10/15	08:00:00	0.0	1655.5	193.0	1848.5	Producing
02/10/15	09:00:00	0.0	1669.1	193.0	1862.1	Producing
02/10/15	10:00:00	0.0	1712.8	193.0	1905.8	Producing
02/10/15	11:00:00	0.0	1702.4	193.0	1895.4	Producing
02/10/15	12:00:00	0.0	1698.6	193.0	1891.6	Producing
02/10/15	13:00:00	0.0	1695.6	193.0	1888.6	Producing
02/10/15	14:00:00	0.0	1699.7	193.0	1892.7	Producing
02/10/15	15:00:00	0.0	1697.1	193.0	1890.1	Producing
02/10/15	16:00:00	0.0	1695.5	193.0	1888.5	Producing
02/10/15	17:00:00	0.0	1694.9	193.0	1887.9	Producing
02/10/15	18:00:00	0.0	1694.9	193.0	1887.9	Producing
02/10/15	19:00:00	0.0	1693.6	193.0	1886.6	Producing
02/10/15	20:00:00	0.0	1694.1	193.0	1887.1	Producing
02/10/15	21:00:00	0.0	1694.2	193.0	1887.2	Producing
02/10/15	22:00:00	0.0	1692.0	193.0	1885.0	Producing
02/10/15	23:00:00	0.0	1678.2	193.0	1871.2	Producing
02/11/15	00:00:00	0.0	1666.3	193.0	1859.3	Producing
02/11/15	01:00:00	0.0	1662.6	193.0	1855.6	Producing
02/11/15	02:00:00	0.0	1651.1	193.0	1844.1	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/11/15	03:00:00	0.0	1646.1	193.0	1839.1	Producing
02/11/15	04:00:00	0.0	1641.4	193.0	1834.4	Producing
02/11/15	05:00:00	0.0	1637.5	193.0	1830.5	Producing
02/11/15	06:00:00	0.0	1631.7	193.0	1824.7	Producing
02/11/15	07:00:00	0.0	1626.3	193.0	1819.3	Producing
02/11/15	08:00:00	0.0	1620.6	193.0	1813.6	Producing
02/11/15	09:00:00	0.0	1633.7	193.0	1826.7	Producing
02/11/15	10:00:00	0.0	1688.7	193.0	1881.7	Producing
02/11/15	11:00:00	0.0	1704.4	193.0	1897.4	Producing
02/11/15	12:00:00	0.0	1699.8	193.0	1892.8	Producing
02/11/15	13:00:00	0.0	1700.1	193.0	1893.1	Producing
02/11/15	14:00:00	0.0	1696.0	193.0	1889.0	Producing
02/11/15	15:00:00	0.0	1700.8	193.0	1893.8	Producing
02/11/15	16:00:00	0.0	1696.9	193.0	1889.9	Producing
02/11/15	17:00:00	0.0	1692.9	193.0	1885.9	Producing
02/11/15	18:00:00	0.0	1691.7	193.0	1884.7	Producing
02/11/15	19:00:00	0.0	1692.6	193.0	1885.6	Producing
02/11/15	20:00:00	0.0	1693.7	193.0	1886.7	Producing
02/11/15	21:00:00	0.0	1693.8	193.0	1886.8	Producing
02/11/15	22:00:00	0.0	1693.9	193.0	1886.9	Producing
02/11/15	23:00:00	0.0	1693.9	193.0	1886.9	Producing
02/12/15	00:00:00	0.0	1692.1	193.0	1885.1	Producing
02/12/15	01:00:00	0.0	1685.7	193.0	1878.7	Producing
02/12/15	02:00:00	0.0	1680.1	193.0	1873.1	Producing
02/12/15	03:00:00	0.0	1675.4	193.0	1868.4	Producing
02/12/15	04:00:00	0.0	1665.4	193.0	1858.4	Producing
02/12/15	05:00:00	0.0	1658.1	193.0	1851.1	Producing
02/12/15	06:00:00	0.0	1657.4	193.0	1850.4	Producing
02/12/15	07:00:00	0.0	1650.9	193.0	1843.9	Producing
02/12/15	08:00:00	0.0	1645.1	193.0	1838.1	Producing
02/12/15	09:00:00	0.0	1658.3	193.0	1851.3	Producing
02/12/15	10:00:00	0.0	1702.2	193.0	1895.2	Producing
02/12/15	11:00:00	0.0	1700.4	193.0	1893.4	Producing
02/12/15	12:00:00	0.0	1699.4	193.0	1892.4	Producing
02/12/15	13:00:00	0.0	1698.7	193.0	1891.7	Producing
02/12/15	14:00:00	0.0	1699.5	193.0	1892.5	Producing
02/12/15	15:00:00	0.0	1698.7	193.0	1891.7	Producing
02/12/15	16:00:00	0.0	1699.4	193.0	1892.4	Producing
02/12/15	17:00:00	0.0	1698.2	193.0	1891.2	Producing
02/12/15	18:00:00	0.0	1691.8	193.0	1884.8	Producing
02/12/15	19:00:00	0.0	1692.7	193.0	1885.7	Producing
02/12/15	20:00:00	0.0	1694.1	193.0	1887.1	Producing
02/12/15	21:00:00	0.0	1694.7	193.0	1887.7	Producing
02/12/15	22:00:00	0.0	1694.9	193.0	1887.9	Producing
02/12/15	23:00:00	0.0	1695.0	193.0	1888.0	Producing
02/13/15	00:00:00	0.0	1695.1	193.0	1888.1	Producing
02/13/15	01:00:00	0.0	1695.1	193.0	1888.1	Producing
02/13/15	02:00:00	0.0	1693.0	193.0	1886.0	Producing
02/13/15	03:00:00	0.0	1684.0	193.0	1877.0	Producing
02/13/15	04:00:00	0.0	1675.4	193.0	1868.4	Producing
02/13/15	05:00:00	0.0	1665.7	193.0	1858.7	Producing
02/13/15	06:00:00	0.0	1658.5	193.0	1851.5	Producing
02/13/15	07:00:00	0.0	1652.6	193.0	1845.6	Producing
02/13/15	08:00:00	0.0	1649.5	193.0	1842.5	Producing
02/13/15	09:00:00	0.0	1657.9	193.0	1850.9	Producing
02/13/15	10:00:00	0.0	1696.9	193.0	1889.9	Producing
02/13/15	11:00:00	0.0	1699.8	193.0	1892.8	Producing
02/13/15	12:00:00	0.0	1699.3	193.0	1892.3	Producing
02/13/15	13:00:00	0.0	1699.6	193.0	1892.6	Producing
02/13/15	14:00:00	0.0	1699.7	193.0	1892.7	Producing
02/13/15	15:00:00	0.0	1699.5	193.0	1892.5	Producing
02/13/15	16:00:00	0.0	1698.0	193.0	1891.0	Producing
02/13/15	17:00:00	0.1	1695.5	193.0	1888.5	Producing
02/13/15	18:00:00	0.0	1692.4	193.0	1885.4	Producing
02/13/15	19:00:00	0.0	1693.0	193.0	1886.0	Producing
02/13/15	20:00:00	0.0	1693.8	193.0	1886.8	Producing
02/13/15	21:00:00	0.0	1694.4	193.0	1887.4	Producing
02/13/15	22:00:00	0.0	1694.8	193.0	1887.8	Producing
02/13/15	23:00:00	0.0	1694.7	193.0	1887.7	Producing
02/14/15	00:00:00	0.0	1695.3	193.0	1888.3	Producing
02/14/15	01:00:00	0.0	1695.2	193.0	1888.2	Producing
02/14/15	02:00:00	0.0	1696.2	193.0	1889.2	Producing
02/14/15	03:00:00	0.0	1693.3	193.0	1886.3	Producing
02/14/15	04:00:00	0.0	1684.6	193.0	1877.6	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/14/15	05:00:00	0.0	1675.3	193.0	1868.3	Producing
02/14/15	06:00:00	0.0	1670.7	193.0	1863.7	Producing
02/14/15	07:00:00	0.0	1659.1	193.0	1852.1	Producing
02/14/15	08:00:00	0.0	1652.7	193.0	1845.7	Producing
02/14/15	09:00:00	0.0	1651.8	193.0	1844.8	Producing
02/14/15	10:00:00	0.0	1701.3	193.0	1894.3	Producing
02/14/15	11:00:00	0.0	1699.3	193.0	1892.3	Producing
02/14/15	12:00:00	0.0	1699.7	193.0	1892.7	Producing
02/14/15	13:00:00	0.1	1699.7	193.0	1892.7	Producing
02/14/15	14:00:00	0.1	1699.0	193.0	1892.0	Producing
02/14/15	15:00:00	0.2	1699.7	193.0	1892.7	Producing
02/14/15	16:00:00	0.3	1698.7	193.0	1891.7	Producing
02/14/15	17:00:00	0.4	1698.8	193.0	1891.8	Producing
02/14/15	18:00:00	0.4	1696.2	193.0	1889.2	Producing
02/14/15	19:00:00	0.5	1693.0	193.0	1886.0	Producing
02/14/15	20:00:00	0.6	1694.2	193.0	1887.2	Producing
02/14/15	21:00:00	0.6	1695.0	193.0	1888.0	Producing
02/14/15	22:00:00	0.7	1695.2	193.0	1888.2	Producing
02/14/15	23:00:00	0.8	1695.4	193.0	1888.4	Producing
02/15/15	00:00:00	0.8	1695.5	193.0	1888.5	Producing
02/15/15	01:00:00	0.9	1695.6	193.0	1888.6	Producing
02/15/15	02:00:00	1.0	1695.5	193.0	1888.5	Producing
02/15/15	03:00:00	1.0	1690.4	193.0	1883.4	Producing
02/15/15	04:00:00	1.1	1678.7	193.0	1871.7	Producing
02/15/15	05:00:00	1.2	1675.2	193.0	1868.2	Producing
02/15/15	06:00:00	1.3	1668.2	193.0	1861.2	Producing
02/15/15	07:00:00	1.4	1661.4	193.0	1854.4	Producing
02/15/15	08:00:00	1.5	1664.3	193.0	1857.3	Producing
02/15/15	09:00:00	1.6	1667.1	193.0	1860.1	Producing
02/15/15	10:00:00	1.6	1707.9	193.0	1900.9	Producing
02/15/15	11:00:00	1.7	1699.7	193.0	1892.7	Producing
02/15/15	12:00:00	1.8	1699.9	193.0	1892.9	Producing
02/15/15	13:00:00	1.8	1700.1	193.0	1893.1	Producing
02/15/15	14:00:00	1.9	1699.9	193.0	1892.9	Producing
02/15/15	15:00:00	2.0	1699.1	193.0	1892.1	Producing
02/15/15	16:00:00	2.0	1696.7	193.0	1889.7	Producing
02/15/15	17:00:00	2.1	1695.4	193.0	1888.4	Producing
02/15/15	18:00:00	2.2	1693.2	193.0	1886.2	Producing
02/15/15	19:00:00	2.2	1694.1	193.0	1887.1	Producing
02/15/15	20:00:00	2.3	1694.9	193.0	1887.9	Producing
02/15/15	21:00:00	2.4	1695.5	193.0	1888.5	Producing
02/15/15	22:00:00	2.5	1695.6	193.0	1888.6	Producing
02/15/15	23:00:00	2.6	1696.0	193.0	1889.0	Producing
02/16/15	00:00:00	2.6	1696.0	193.0	1889.0	Producing
02/16/15	01:00:00	2.7	1696.1	193.0	1889.1	Producing
02/16/15	02:00:00	2.8	1695.9	193.0	1888.9	Producing
02/16/15	03:00:00	2.9	1688.0	193.0	1881.0	Producing
02/16/15	04:00:00	3.0	1680.8	193.0	1873.8	Producing
02/16/15	05:00:00	3.1	1670.9	193.0	1863.9	Producing
02/16/15	06:00:00	3.1	1667.5	193.0	1860.5	Producing
02/16/15	07:00:00	3.2	1664.1	193.0	1857.1	Producing
02/16/15	08:00:00	3.3	1658.7	193.0	1851.7	Producing
02/16/15	09:00:00	3.4	1670.4	193.0	1863.4	Producing
02/16/15	10:00:00	3.5	1710.0	193.0	1903.0	Producing
02/16/15	11:00:00	3.5	1700.9	193.0	1893.9	Producing
02/16/15	12:00:00	3.6	1700.9	193.0	1893.9	Producing
02/16/15	13:00:00	3.7	1700.8	193.0	1893.8	Producing
02/16/15	14:00:00	3.8	1700.5	193.0	1893.5	Producing
02/16/15	15:00:00	3.8	1700.5	193.0	1893.5	Producing
02/16/15	16:00:00	3.9	1700.1	193.0	1893.1	Producing
02/16/15	17:00:00	4.0	1701.4	193.0	1894.4	Producing
02/16/15	18:00:00	4.0	1694.0	193.0	1887.0	Producing
02/16/15	19:00:00	4.1	1694.8	193.0	1887.8	Producing
02/16/15	20:00:00	4.2	1695.6	193.0	1888.6	Producing
02/16/15	21:00:00	4.3	1696.5	193.0	1889.5	Producing
02/16/15	22:00:00	4.3	1696.7	193.0	1889.7	Producing
02/16/15	23:00:00	4.4	1696.8	193.0	1889.8	Producing
02/17/15	00:00:00	4.5	1697.0	193.0	1890.0	Producing
02/17/15	01:00:00	4.6	1697.2	193.0	1890.2	Producing
02/17/15	02:00:00	4.7	1697.0	193.0	1890.0	Producing
02/17/15	03:00:00	4.8	1694.3	193.0	1887.3	Producing
02/17/15	04:00:00	4.8	1690.9	193.0	1883.9	Producing
02/17/15	05:00:00	4.9	1683.1	193.0	1876.1	Producing
02/17/15	06:00:00	5.0	1677.4	193.0	1870.4	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/17/15	07:00:00	5.0	1691.0	193.0	1884.0	Producing
02/17/15	08:00:00	5.0	1695.0	193.0	1888.0	Producing
02/17/15	09:00:00	5.0	1698.3	193.0	1891.3	Producing
02/17/15	10:00:00	5.0	1713.7	193.0	1906.7	Producing
02/17/15	11:00:00	5.0	1720.8	193.0	1913.8	Producing
02/17/15	12:00:00	5.0	1702.0	193.0	1895.0	Producing
02/17/15	13:00:00	5.0	1701.3	193.0	1894.3	Producing
02/17/15	14:00:00	5.0	1700.4	193.0	1893.4	Producing
02/17/15	15:00:00	5.0	1699.2	193.0	1892.2	Producing
02/17/15	16:00:00	5.0	1698.9	193.0	1891.9	Producing
02/17/15	17:00:00	5.0	1696.6	193.0	1889.6	Producing
02/17/15	18:00:00	5.0	1696.6	193.0	1889.6	Producing
02/17/15	19:00:00	5.0	1697.4	193.0	1890.4	Producing
02/17/15	20:00:00	5.0	1697.7	193.0	1890.7	Producing
02/17/15	21:00:00	5.0	1697.9	193.0	1890.9	Producing
02/17/15	22:00:00	5.0	1698.0	193.0	1891.0	Producing
02/17/15	23:00:00	5.0	1698.2	193.0	1891.2	Producing
02/18/15	00:00:00	5.0	1698.3	193.0	1891.3	Producing
02/18/15	01:00:00	5.0	1698.1	193.0	1891.1	Producing
02/18/15	02:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	03:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	04:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	05:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	06:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	07:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	08:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	09:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	10:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	11:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	12:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	13:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	14:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	15:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	16:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	17:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	18:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	19:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	20:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	21:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	22:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	23:00:00	5.1	(1)	193.0	(1)	Producing
02/19/15	00:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	01:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	02:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	03:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	04:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	05:00:00	5.3	(1)	193.0	(1)	Producing
02/19/15	06:00:00	5.4	(1)	193.0	(1)	Producing
02/19/15	07:00:00	5.5	(1)	193.0	(1)	Producing
02/19/15	08:00:00	5.5	(1)	193.0	(1)	Producing
02/19/15	09:00:00	5.6	(1)	193.0	(1)	Producing
02/19/15	10:00:00	5.7	(1)	193.0	(1)	Producing
02/19/15	11:00:00	5.8	(1)	193.0	(1)	Producing
02/19/15	12:00:00	5.8	(1)	193.0	(1)	Producing
02/19/15	13:00:00	5.9	(1)	193.0	(1)	Producing
02/19/15	14:00:00	6.0	(1)	193.0	(1)	Producing
02/19/15	15:00:00	6.1	(1)	193.0	(1)	Producing
02/19/15	16:00:00	6.1	(1)	193.0	(1)	Producing
02/19/15	17:00:00	6.2	(1)	193.0	(1)	Producing
02/19/15	18:00:00	6.3	(1)	193.0	(1)	Producing
02/19/15	19:00:00	6.4	(1)	193.0	(1)	Producing
02/19/15	20:00:00	6.5	(1)	193.0	(1)	Producing
02/19/15	21:00:00	6.5	(1)	193.0	(1)	Producing
02/19/15	22:00:00	6.6	(1)	193.0	(1)	Producing
02/19/15	23:00:00	6.7	(1)	193.0	(1)	Producing
02/20/15	00:00:00	6.8	(1)	193.0	(1)	Producing
02/20/15	01:00:00	6.8	(1)	193.0	(1)	Producing
02/20/15	02:00:00	6.9	(1)	193.0	(1)	Producing
02/20/15	03:00:00	7.0	(1)	193.0	(1)	Producing
02/20/15	04:00:00	7.1	(1)	193.0	(1)	Producing
02/20/15	05:00:00	7.2	(1)	193.0	(1)	Producing
02/20/15	06:00:00	7.2	(1)	193.0	(1)	Producing
02/20/15	07:00:00	7.3	(1)	193.0	(1)	Producing
02/20/15	08:00:00	7.4	(1)	193.0	(1)	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/20/15	09:00:00	7.5	(1)	193.0	(1)	Producing
02/20/15	10:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	11:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	12:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	13:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	14:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	15:00:00	7.6	1704.4	193.0	1897.4	Producing
02/20/15	16:00:00	7.6	1703.8	193.0	1896.8	Producing
02/20/15	17:00:00	7.7	1700.4	193.0	1893.4	Producing
02/20/15	18:00:00	7.7	1697.1	193.0	1890.1	Producing
02/20/15	19:00:00	7.7	1698.1	193.0	1891.1	Producing
02/20/15	20:00:00	7.8	1699.1	193.0	1892.1	Producing
02/20/15	21:00:00	7.9	1699.3	193.0	1892.3	Producing
02/20/15	22:00:00	8.0	1699.5	193.0	1892.5	Producing
02/20/15	23:00:00	8.1	1699.5	193.0	1892.5	Producing
02/21/15	00:00:00	8.2	1699.4	193.0	1892.4	Producing
02/21/15	01:00:00	8.2	1697.7	193.0	1890.7	Producing
02/21/15	02:00:00	8.3	1698.9	193.0	1891.9	Producing
02/21/15	03:00:00	8.4	1704.2	193.0	1897.2	Producing
02/21/15	04:00:00	8.5	1706.1	193.0	1899.1	Producing
02/21/15	05:00:00	8.6	1707.5	193.0	1900.5	Producing
02/21/15	06:00:00	8.7	1709.4	193.0	1902.4	Producing
02/21/15	07:00:00	8.8	1711.6	193.0	1904.6	Producing
02/21/15	08:00:00	8.8	1711.6	193.0	1904.6	Producing
02/21/15	09:00:00	8.9	1713.6	193.0	1906.6	Producing
02/21/15	10:00:00	9.0	1715.3	193.0	1908.3	Producing
02/21/15	11:00:00	9.1	1723.3	193.0	1916.3	Producing
02/21/15	12:00:00	9.2	1727.1	193.0	1920.1	Producing
02/21/15	13:00:00	9.3	1704.0	193.0	1897.0	Producing
02/21/15	14:00:00	9.4	1703.3	193.0	1896.3	Producing
02/21/15	15:00:00	9.4	1703.9	193.0	1896.9	Producing
02/21/15	16:00:00	9.5	1703.2	193.0	1896.2	Producing
02/21/15	17:00:00	9.6	1703.5	193.0	1896.5	Producing
02/21/15	18:00:00	9.7	1700.8	193.0	1893.8	Producing
02/21/15	19:00:00	9.7	1698.9	193.0	1891.9	Producing
02/21/15	20:00:00	9.8	1699.8	193.0	1892.8	Producing
02/21/15	21:00:00	9.9	1700.2	193.0	1893.2	Producing
02/21/15	22:00:00	10.0	1700.8	193.0	1893.8	Producing
02/21/15	23:00:00	10.1	1700.9	193.0	1893.9	Producing
02/22/15	00:00:00	10.2	1701.9	193.0	1894.9	Producing
02/22/15	01:00:00	10.2	1702.0	193.0	1895.0	Producing
02/22/15	02:00:00	10.3	1702.1	193.0	1895.1	Producing
02/22/15	03:00:00	10.4	1702.1	193.0	1895.1	Producing
02/22/15	04:00:00	10.5	1702.3	193.0	1895.3	Producing
02/22/15	05:00:00	10.6	1701.4	193.0	1894.4	Producing
02/22/15	06:00:00	10.6	1692.7	193.0	1885.7	Producing
02/22/15	07:00:00	10.7	1683.8	193.0	1876.8	Producing
02/22/15	08:00:00	10.8	1681.8	193.0	1874.8	Producing
02/22/15	09:00:00	10.9	1685.0	193.0	1878.0	Producing
02/22/15	10:00:00	11.0	1718.6	193.0	1911.6	Producing
02/22/15	11:00:00	11.0	1705.6	193.0	1898.6	Producing
02/22/15	12:00:00	11.1	1705.3	193.0	1898.3	Producing
02/22/15	13:00:00	11.2	1704.7	193.0	1897.7	Producing
02/22/15	14:00:00	11.3	1705.1	193.0	1898.1	Producing
02/22/15	15:00:00	11.4	1700.8	193.0	1893.8	Producing
02/22/15	16:00:00	11.4	1703.1	193.0	1896.1	Producing
02/22/15	17:00:00	11.5	1703.0	193.0	1896.0	Producing
02/22/15	18:00:00	11.6	1699.8	193.0	1892.8	Producing
02/22/15	19:00:00	11.7	1700.5	193.0	1893.5	Producing
02/22/15	20:00:00	11.8	1701.0	193.0	1894.0	Producing
02/22/15	21:00:00	11.9	1701.0	193.0	1894.0	Producing
02/22/15	22:00:00	12.0	1701.2	193.0	1894.2	Producing
02/22/15	23:00:00	12.0	1701.4	193.0	1894.4	Producing
02/23/15	00:00:00	12.1	1703.2	193.0	1896.2	Producing
02/23/15	01:00:00	12.2	1704.4	193.0	1897.4	Producing
02/23/15	02:00:00	12.3	1701.4	193.0	1894.4	Producing
02/23/15	03:00:00	12.4	1701.9	193.0	1894.9	Producing
02/23/15	04:00:00	12.5	1701.8	193.0	1894.8	Producing
02/23/15	05:00:00	12.6	1696.7	193.0	1889.7	Producing
02/23/15	06:00:00	12.7	1689.6	193.0	1882.6	Producing
02/23/15	07:00:00	12.8	1687.0	193.0	1880.0	Producing
02/23/15	08:00:00	12.8	1682.4	193.0	1875.4	Producing
02/23/15	09:00:00	12.9	1683.5	193.0	1876.5	Producing
02/23/15	10:00:00	13.0	1724.0	193.0	1917.0	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/23/15	11:00:00	13.1	1734.5	193.0	1927.5	Producing
02/23/15	12:00:00	13.2	1706.1	193.0	1899.1	Producing
02/23/15	13:00:00	13.3	1706.5	193.0	1899.5	Producing
02/23/15	14:00:00	13.3	1706.6	193.0	1899.6	Producing
02/23/15	15:00:00	13.5	1703.9	193.0	1896.9	Producing
02/23/15	16:00:00	13.6	1703.2	193.0	1896.2	Producing
02/23/15	17:00:00	13.7	1701.4	193.0	1894.4	Producing
02/23/15	18:00:00	13.9	1701.2	193.0	1894.2	Producing
02/23/15	19:00:00	14.1	1701.8	193.0	1894.8	Producing
02/23/15	20:00:00	14.2	1702.1	193.0	1895.1	Producing
02/23/15	21:00:00	14.3	1701.7	193.0	1894.7	Producing
02/23/15	22:00:00	14.4	1696.6	193.0	1889.6	Producing
02/23/15	23:00:00	14.6	1694.4	193.0	1887.4	Producing
02/24/15	00:00:00	14.7	1677.3	193.0	1870.3	Producing
02/24/15	01:00:00	14.9	1662.0	193.0	1855.0	Producing
02/24/15	02:00:00	15.0	1658.4	193.0	1851.4	Producing
02/24/15	03:00:00	15.2	1655.4	193.0	1848.4	Producing
02/24/15	04:00:00	15.3	1652.0	193.0	1845.0	Producing
02/24/15	05:00:00	15.5	1653.4	193.0	1846.4	Producing
02/24/15	06:00:00	15.6	1651.6	193.0	1844.6	Producing
02/24/15	07:00:00	15.8	1652.3	193.0	1845.3	Producing
02/24/15	08:00:00	15.9	1650.6	193.0	1843.6	Producing
02/24/15	09:00:00	16.0	1677.9	193.0	1870.9	Producing
02/24/15	10:00:00	16.2	1721.2	193.0	1914.2	Producing
02/24/15	11:00:00	16.3	1710.2	193.0	1903.2	Producing
02/24/15	12:00:00	16.5	1709.1	193.0	1902.1	Producing
02/24/15	13:00:00	16.6	1709.1	193.0	1902.1	Producing
02/24/15	14:00:00	16.8	1710.6	193.0	1903.6	Producing
02/24/15	15:00:00	17.0	1710.7	193.0	1903.7	Producing
02/24/15	16:00:00	17.2	1709.2	193.0	1902.2	Producing
02/24/15	17:00:00	17.4	1706.0	193.0	1899.0	Producing
02/24/15	18:00:00	17.6	1705.6	193.0	1898.6	Producing
02/24/15	19:00:00	17.8	1701.6	193.0	1894.6	Producing
02/24/15	20:00:00	18.0	1702.4	193.0	1895.4	Producing
02/24/15	21:00:00	18.2	1703.5	193.0	1896.5	Producing
02/24/15	22:00:00	18.4	1704.8	193.0	1897.8	Producing
02/24/15	23:00:00	18.6	1704.9	193.0	1897.9	Producing
02/25/15	00:00:00	18.8	1705.1	193.0	1898.1	Producing
02/25/15	01:00:00	19.0	1700.6	193.0	1893.6	Producing
02/25/15	02:00:00	19.2	1691.4	193.0	1884.4	Producing
02/25/15	03:00:00	19.4	1692.2	193.0	1885.2	Producing
02/25/15	04:00:00	19.6	1683.8	193.0	1876.8	Producing
02/25/15	05:00:00	19.8	1679.6	193.0	1872.6	Producing
02/25/15	06:00:00	20.0	1678.0	193.0	1871.0	Producing
02/25/15	07:00:00	20.2	1677.3	193.0	1870.3	Producing
02/25/15	08:00:00	20.5	1678.7	193.0	1871.7	Producing
02/25/15	09:00:00	20.7	1702.2	193.0	1895.2	Producing
02/25/15	10:00:00	20.9	1726.8	193.0	1919.8	Producing
02/25/15	11:00:00	21.0	1709.2	193.0	1902.2	Producing
02/25/15	12:00:00	21.1	1709.8	193.0	1902.8	Producing
02/25/15	13:00:00	21.3	1710.4	193.0	1903.4	Producing
02/25/15	14:00:00	21.3	1710.3	193.0	1903.3	Producing
02/25/15	15:00:00	21.3	1709.8	193.0	1902.8	Producing
02/25/15	16:00:00	21.3	1706.2	193.0	1899.2	Producing
02/25/15	17:00:00	21.3	1709.1	193.0	1902.1	Producing
02/25/15	18:00:00	21.4	1704.9	193.0	1897.9	Producing
02/25/15	19:00:00	21.5	1705.3	193.0	1898.3	Producing
02/25/15	20:00:00	21.8	1706.0	193.0	1899.0	Producing
02/25/15	21:00:00	22.0	1706.3	193.0	1899.3	Producing
02/25/15	22:00:00	22.2	1706.5	193.0	1899.5	Producing
02/25/15	23:00:00	22.4	1707.0	193.0	1900.0	Producing
02/26/15	00:00:00	22.7	1707.1	193.0	1900.1	Producing
02/26/15	01:00:00	22.9	1707.4	193.0	1900.4	Producing
02/26/15	02:00:00	23.1	1707.5	193.0	1900.5	Producing
02/26/15	03:00:00	23.4	1706.2	193.0	1899.2	Producing
02/26/15	04:00:00	23.6	1698.4	193.0	1891.4	Producing
02/26/15	05:00:00	23.8	1688.4	193.0	1881.4	Producing
02/26/15	06:00:00	24.1	1691.4	193.0	1884.4	Producing
02/26/15	07:00:00	24.3	1690.6	193.0	1883.6	Producing
02/26/15	08:00:00	24.5	1683.3	193.0	1876.3	Producing
02/26/15	09:00:00	24.8	1703.2	193.0	1896.2	Producing
02/26/15	10:00:00	25.0	1728.7	193.0	1921.7	Shut-in
02/26/15	11:00:00	25.2	1712.7	193.0	1905.7	Shut-in
02/26/15	12:00:00	25.4	1712.7	193.0	1905.7	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/26/15	13:00:00	25.6	1712.1	193.0	1905.1	Shut-in
02/26/15	14:00:00	25.8	1712.1	193.0	1905.1	Shut-in
02/26/15	15:00:00	25.8	1710.3	193.0	1903.3	Shut-in
02/26/15	16:00:00	25.8	1710.3	193.0	1903.3	Shut-in
02/26/15	17:00:00	25.8	1710.3	193.0	1903.3	Shut-in
02/26/15	18:00:00	25.9	1710.3	193.0	1903.3	Shut-in
02/26/15	19:00:00	26.1	1710.3	193.0	1903.3	Shut-in
02/26/15	20:00:00	26.4	1710.3	193.0	1903.3	Shut-in
02/26/15	21:00:00	26.6	1710.3	193.0	1903.3	Shut-in
02/26/15	22:00:00	26.8	1710.3	193.0	1903.3	Shut-in
02/26/15	23:00:00	27.1	1710.3	193.0	1903.3	Shut-in
02/27/15	00:00:00	27.3	1711.2	193.0	1904.2	Shut-in
02/27/15	01:00:00	27.5	1709.6	193.0	1902.6	Shut-in
02/27/15	02:00:00	27.8	1709.3	193.0	1902.3	Shut-in
02/27/15	03:00:00	28.0	1709.4	193.0	1902.4	Shut-in
02/27/15	04:00:00	28.2	1709.6	193.0	1902.6	Shut-in
02/27/15	05:00:00	28.5	1709.9	193.0	1902.9	Shut-in
02/27/15	06:00:00	28.7	1709.8	193.0	1902.8	Shut-in
02/27/15	07:00:00	28.9	1711.0	193.0	1904.0	Shut-in
02/27/15	08:00:00	29.1	1713.6	193.0	1906.6	Shut-in
02/27/15	09:00:00	29.3	1714.3	193.0	1907.3	Shut-in
02/27/15	10:00:00	29.5	1714.1	193.0	1907.1	Shut-in
02/27/15	11:00:00	29.8	1713.9	193.0	1906.9	Shut-in
02/27/15	12:00:00	30.0	1713.5	193.0	1906.5	Shut-in
02/27/15	13:00:00	30.2	1714.6	193.0	1907.6	Shut-in
02/27/15	14:00:00	30.4	1712.4	193.0	1905.4	Shut-in
02/27/15	15:00:00	30.7	1713.7	193.0	1906.7	Shut-in
02/27/15	16:00:00	30.9	1710.4	193.0	1903.4	Shut-in
02/27/15	17:00:00	31.1	1709.9	193.0	1902.9	Shut-in
02/27/15	18:00:00	31.4	1710.4	193.0	1903.4	Shut-in
02/27/15	19:00:00	31.6	1710.6	193.0	1903.6	Shut-in
02/27/15	20:00:00	31.8	1710.8	193.0	1903.8	Shut-in
02/27/15	21:00:00	32.1	1711.0	193.0	1904.0	Shut-in
02/27/15	22:00:00	32.3	1711.2	193.0	1904.2	Shut-in
02/27/15	23:00:00	32.6	1711.5	193.0	1904.5	Shut-in
02/28/15	00:00:00	32.8	1711.9	193.0	1904.9	Shut-in
02/28/15	01:00:00	33.0	1712.3	193.0	1905.3	Shut-in
02/28/15	02:00:00	33.3	1713.4	193.0	1906.4	Shut-in
02/28/15	03:00:00	33.5	1713.8	193.0	1906.8	Shut-in
02/28/15	04:00:00	33.7	1708.8	193.0	1901.8	Shut-in
02/28/15	05:00:00	34.0	1707.8	193.0	1900.8	Shut-in
02/28/15	06:00:00	34.2	1705.2	193.0	1898.2	Shut-in
02/28/15	07:00:00	34.4	1693.6	193.0	1886.6	Shut-in
02/28/15	08:00:00	34.7	1688.0	193.0	1881.0	Shut-in
02/28/15	09:00:00	34.9	1689.6	193.0	1882.6	Shut-in
02/28/15	10:00:00	35.1	1713.1	193.0	1906.1	Shut-in
02/28/15	11:00:00	35.4	1733.0	193.0	1926.0	Shut-in
02/28/15	12:00:00	35.6	1717.1	193.0	1910.1	Shut-in
02/28/15	13:00:00	35.9	1716.0	193.0	1909.0	Shut-in
02/28/15	14:00:00	36.1	1714.6	193.0	1907.6	Shut-in
02/28/15	15:00:00	36.4	1712.6	193.0	1905.6	Shut-in
02/28/15	16:00:00	36.6	1716.0	193.0	1909.0	Shut-in
02/28/15	17:00:00	36.9	1717.1	193.0	1910.1	Shut-in
02/28/15	18:00:00	37.1	1713.8	193.0	1906.8	Shut-in
02/28/15	19:00:00	37.4	1713.1	193.0	1906.1	Shut-in
02/28/15	20:00:00	37.6	1713.5	193.0	1906.5	Shut-in
02/28/15	21:00:00	37.9	1713.6	193.0	1906.6	Shut-in
02/28/15	22:00:00	38.2	1714.0	193.0	1907.0	Shut-in
02/28/15	23:00:00	38.4	1714.4	193.0	1907.4	Shut-in
03/01/15	00:00:00	38.6	1714.6	193.0	1907.6	Shut-in
03/01/15	01:00:00	38.9	1712.3	193.0	1905.3	Shut-in
03/01/15	02:00:00	39.1	1703.5	193.0	1896.5	Shut-in
03/01/15	03:00:00	39.3	1697.9	193.0	1890.9	Shut-in
03/01/15	04:00:00	39.4	1692.0	193.0	1885.0	Shut-in
03/01/15	05:00:00	39.6	1685.9	193.0	1878.9	Shut-in
03/01/15	06:00:00	39.8	1695.0	193.0	1888.0	Shut-in
03/01/15	07:00:00	39.9	1680.6	193.0	1873.6	Shut-in
03/01/15	08:00:00	40.1	1670.9	193.0	1863.9	Shut-in
03/01/15	09:00:00	40.3	1708.1	193.0	1901.1	Shut-in
03/01/15	10:00:00	40.6	1765.3	193.0	1958.3	Shut-in
03/01/15	11:00:00	40.8	1727.7	193.0	1920.7	Shut-in
03/01/15	12:00:00	41.0	1719.6	193.0	1912.6	Shut-in
03/01/15	13:00:00	41.3	1719.6	193.0	1912.6	Shut-in
03/01/15	14:00:00	41.5	1719.8	193.0	1912.8	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/01/15	15:00:00	41.8	1718.4	193.0	1911.4	Shut-in
03/01/15	16:00:00	42.0	1719.0	193.0	1912.0	Shut-in
03/01/15	17:00:00	42.2	1719.3	193.0	1912.3	Shut-in
03/01/15	18:00:00	42.5	1717.9	193.0	1910.9	Shut-in
03/01/15	19:00:00	42.7	1714.7	193.0	1907.7	Shut-in
03/01/15	20:00:00	43.0	1715.9	193.0	1908.9	Shut-in
03/01/15	21:00:00	43.2	1716.6	193.0	1909.6	Shut-in
03/01/15	22:00:00	43.5	1717.0	193.0	1910.0	Shut-in
03/01/15	23:00:00	43.7	1717.1	193.0	1910.1	Shut-in
03/02/15	00:00:00	44.0	1716.7	193.0	1909.7	Shut-in
03/02/15	01:00:00	44.3	1707.8	193.0	1900.8	Shut-in
03/02/15	02:00:00	44.5	1700.2	193.0	1893.2	Shut-in
03/02/15	03:00:00	44.8	1695.1	193.0	1888.1	Shut-in
03/02/15	04:00:00	45.0	1701.3	193.0	1894.3	Shut-in
03/02/15	05:00:00	45.3	1701.8	193.0	1894.8	Shut-in
03/02/15	06:00:00	45.5	1699.0	193.0	1892.0	Shut-in
03/02/15	07:00:00	45.8	1701.4	193.0	1894.4	Shut-in
03/02/15	08:00:00	46.0	1700.2	193.0	1893.2	Shut-in
03/02/15	09:00:00	46.3	1711.3	193.0	1904.3	Shut-in
03/02/15	10:00:00	46.5	1738.8	193.0	1931.8	Shut-in
03/02/15	11:00:00	46.8	1735.2	193.0	1928.2	Shut-in
03/02/15	12:00:00	47.0	1722.1	193.0	1915.1	Shut-in
03/02/15	13:00:00	47.3	1721.6	193.0	1914.6	Shut-in
03/02/15	14:00:00	47.5	1721.3	193.0	1914.3	Shut-in
03/02/15	15:00:00	47.7	1722.6	193.0	1915.6	Shut-in
03/02/15	16:00:00	47.8	1720.4	193.0	1913.4	Shut-in
03/02/15	17:00:00	48.1	1718.3	193.0	1911.3	Shut-in
03/02/15	18:00:00	48.3	1721.5	193.0	1914.5	Shut-in
03/02/15	19:00:00	48.6	1719.1	193.0	1912.1	Shut-in
03/02/15	20:00:00	48.8	1719.2	193.0	1912.2	Shut-in
03/02/15	21:00:00	49.1	1719.5	193.0	1912.5	Shut-in
03/02/15	22:00:00	49.3	1719.7	193.0	1912.7	Shut-in
03/02/15	23:00:00	49.6	1717.7	193.0	1910.7	Shut-in
03/03/15	00:00:00	49.8	1707.8	193.0	1900.8	Shut-in
03/03/15	01:00:00	50.1	1698.3	193.0	1891.3	Shut-in
03/03/15	02:00:00	50.3	1692.0	193.0	1885.0	Shut-in
03/03/15	03:00:00	50.6	1684.2	193.0	1877.2	Shut-in
03/03/15	04:00:00	50.8	1681.2	193.0	1874.2	Shut-in
03/03/15	05:00:00	51.1	1677.7	193.0	1870.7	Shut-in
03/03/15	06:00:00	51.3	1674.9	193.0	1867.9	Shut-in
03/03/15	07:00:00	51.6	1673.4	193.0	1866.4	Shut-in
03/03/15	08:00:00	51.7	1670.0	193.0	1863.0	Shut-in
03/03/15	09:00:00	51.7	1699.4	193.0	1892.4	Shut-in
03/03/15	10:00:00	51.7	1755.4	193.0	1948.4	Shut-in
03/03/15	11:00:00	51.7	1739.5	193.0	1932.5	Shut-in
03/03/15	12:00:00	51.7	1725.6	193.0	1918.6	Shut-in
03/03/15	13:00:00	51.7	1725.4	193.0	1918.4	Shut-in
03/03/15	14:00:00	51.7	1725.2	193.0	1918.2	Shut-in
03/03/15	15:00:00	51.7	1725.5	193.0	1918.5	Shut-in
03/03/15	16:00:00	51.7	1724.0	193.0	1917.0	Shut-in
03/03/15	17:00:00	51.7	1723.6	193.0	1916.6	Shut-in
03/03/15	18:00:00	51.9	1722.2	193.0	1915.2	Shut-in
03/03/15	19:00:00	52.1	1721.3	193.0	1914.3	Shut-in
03/03/15	20:00:00	52.3	1721.3	193.0	1914.3	Shut-in
03/03/15	21:00:00	52.6	1721.8	193.0	1914.8	Shut-in
03/03/15	22:00:00	52.8	1722.3	193.0	1915.3	Shut-in
03/03/15	23:00:00	53.0	1722.3	193.0	1915.3	Shut-in
03/04/15	00:00:00	53.3	1721.4	193.0	1914.4	Shut-in
03/04/15	01:00:00	53.5	1715.8	193.0	1908.8	Shut-in
03/04/15	02:00:00	53.8	1705.9	193.0	1898.9	Shut-in
03/04/15	03:00:00	54.0	1689.3	193.0	1882.3	Shut-in
03/04/15	04:00:00	54.3	1676.6	193.0	1869.6	Shut-in
03/04/15	05:00:00	54.5	1661.3	193.0	1854.3	Shut-in
03/04/15	06:00:00	54.8	1653.7	193.0	1846.7	Shut-in
03/04/15	07:00:00	55.0	1654.8	193.0	1847.8	Shut-in
03/04/15	08:00:00	55.3	1646.4	193.0	1839.4	Shut-in
03/04/15	09:00:00	55.5	1684.1	193.0	1877.1	Shut-in
03/04/15	10:00:00	55.8	1740.7	193.0	1933.7	Shut-in
03/04/15	11:00:00	56.0	1728.2	193.0	1921.2	Shut-in
03/04/15	12:00:00	56.2	1727.1	193.0	1920.1	Shut-in
03/04/15	13:00:00	56.5	1727.9	193.0	1920.9	Shut-in
03/04/15	14:00:00	56.7	1725.8	193.0	1918.8	Shut-in
03/04/15	15:00:00	57.0	1726.5	193.0	1919.5	Shut-in
03/04/15	16:00:00	57.2	1727.1	193.0	1920.1	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/04/15	17:00:00	57.5	1726.6	193.0	1919.6	Shut-in
03/04/15	18:00:00	57.7	1724.1	193.0	1917.1	Shut-in
03/04/15	19:00:00	58.0	1721.8	193.0	1914.8	Shut-in
03/04/15	20:00:00	58.2	1723.0	193.0	1916.0	Shut-in
03/04/15	21:00:00	58.5	1723.6	193.0	1916.6	Shut-in
03/04/15	22:00:00	58.7	1724.0	193.0	1917.0	Shut-in
03/04/15	23:00:00	59.0	1724.2	193.0	1917.2	Shut-in
03/05/15	00:00:00	59.2	1724.6	193.0	1917.6	Shut-in
03/05/15	01:00:00	59.5	1724.8	193.0	1917.8	Shut-in
03/05/15	02:00:00	59.7	1725.1	193.0	1918.1	Shut-in
03/05/15	03:00:00	60.0	1725.2	193.0	1918.2	Shut-in
03/05/15	04:00:00	60.2	1725.4	193.0	1918.4	Shut-in
03/05/15	05:00:00	60.5	1725.5	193.0	1918.5	Shut-in
03/05/15	06:00:00	60.7	1725.8	193.0	1918.8	Shut-in
03/05/15	07:00:00	61.0	1720.8	193.0	1913.8	Shut-in
03/05/15	08:00:00	61.2	1718.7	193.0	1911.7	Shut-in
03/05/15	09:00:00	61.5	1761.8	193.0	1954.8	Shut-in
03/05/15	10:00:00	61.7	1791.0	193.0	1984.0	Shut-in
03/05/15	11:00:00	62.0	1730.0	193.0	1923.0	Shut-in
03/05/15	12:00:00	62.2	1730.0	193.0	1923.0	Shut-in
03/05/15	13:00:00	62.5	1729.8	193.0	1922.8	Shut-in
03/05/15	14:00:00	62.7	1729.9	193.0	1922.9	Shut-in
03/05/15	15:00:00	62.9	1731.0	193.0	1924.0	Shut-in
03/05/15	16:00:00	63.2	1730.1	193.0	1923.1	Shut-in
03/05/15	17:00:00	63.4	1728.0	193.0	1921.0	Shut-in
03/05/15	18:00:00	63.7	1724.2	193.0	1917.2	Shut-in
03/05/15	19:00:00	64.0	1724.6	193.0	1917.6	Shut-in
03/05/15	20:00:00	64.2	1726.0	193.0	1919.0	Shut-in
03/05/15	21:00:00	64.5	1726.5	193.0	1919.5	Shut-in
03/05/15	22:00:00	64.7	1726.8	193.0	1919.8	Shut-in
03/05/15	23:00:00	65.0	1727.1	193.0	1920.1	Shut-in
03/06/15	00:00:00	65.2	1727.4	193.0	1920.4	Shut-in
03/06/15	01:00:00	65.5	1724.6	193.0	1917.6	Shut-in
03/06/15	02:00:00	65.7	1702.9	193.0	1895.9	Shut-in
03/06/15	03:00:00	66.0	1694.5	193.0	1887.5	Shut-in
03/06/15	04:00:00	66.2	1693.2	193.0	1886.2	Shut-in
03/06/15	05:00:00	66.5	1680.0	193.0	1873.0	Shut-in
03/06/15	06:00:00	66.7	1678.8	193.0	1871.8	Shut-in
03/06/15	07:00:00	67.0	1672.9	193.0	1865.9	Shut-in
03/06/15	08:00:00	67.2	1674.0	193.0	1867.0	Shut-in
03/06/15	09:00:00	67.5	1710.0	193.0	1903.0	Shut-in
03/06/15	10:00:00	67.7	1746.1	193.0	1939.1	Shut-in
03/06/15	11:00:00	68.0	1732.9	193.0	1925.9	Shut-in
03/06/15	12:00:00	68.2	1733.1	193.0	1926.1	Shut-in
03/06/15	13:00:00	68.4	1732.9	193.0	1925.9	Shut-in
03/06/15	14:00:00	68.7	1732.6	193.0	1925.6	Shut-in
03/06/15	15:00:00	68.9	1731.7	193.0	1924.7	Shut-in
03/06/15	16:00:00	69.2	1730.4	193.0	1923.4	Shut-in
03/06/15	17:00:00	69.4	1732.1	193.0	1925.1	Shut-in
03/06/15	18:00:00	69.7	1730.8	193.0	1923.8	Shut-in
03/06/15	19:00:00	69.9	1728.1	193.0	1921.1	Shut-in
03/06/15	20:00:00	70.2	1728.3	193.0	1921.3	Shut-in
03/06/15	21:00:00	70.4	1729.2	193.0	1922.2	Shut-in
03/06/15	22:00:00	70.7	1729.5	193.0	1922.5	Shut-in
03/06/15	23:00:00	70.9	1729.7	193.0	1922.7	Shut-in
03/07/15	00:00:00	71.2	1729.8	193.0	1922.8	Shut-in
03/07/15	01:00:00	71.4	1729.9	193.0	1922.9	Shut-in
03/07/15	02:00:00	71.7	1724.9	193.0	1917.9	Shut-in
03/07/15	03:00:00	71.9	1716.3	193.0	1909.3	Shut-in
03/07/15	04:00:00	72.2	1708.4	193.0	1901.4	Shut-in
03/07/15	05:00:00	72.4	1703.8	193.0	1896.8	Shut-in
03/07/15	06:00:00	72.7	1700.0	193.0	1893.0	Shut-in
03/07/15	07:00:00	72.9	1693.0	193.0	1886.0	Shut-in
03/07/15	08:00:00	73.2	1692.9	193.0	1885.9	Shut-in
03/07/15	09:00:00	73.4	1732.3	193.0	1925.3	Shut-in
03/07/15	10:00:00	73.7	1747.9	193.0	1940.9	Shut-in
03/07/15	11:00:00	73.9	1735.8	193.0	1928.8	Shut-in
03/07/15	12:00:00	74.2	1736.0	193.0	1929.0	Shut-in
03/07/15	13:00:00	74.4	1736.1	193.0	1929.1	Shut-in
03/07/15	14:00:00	74.7	1736.6	193.0	1929.6	Shut-in
03/07/15	15:00:00	74.9	1736.3	193.0	1929.3	Shut-in
03/07/15	16:00:00	75.2	1736.1	193.0	1929.1	Shut-in
03/07/15	17:00:00	75.4	1734.2	193.0	1927.2	Shut-in
03/07/15	18:00:00	75.7	1733.9	193.0	1926.9	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/07/15	19:00:00	75.9	1729.6	193.0	1922.6	Shut-in
03/07/15	20:00:00	76.2	1731.2	193.0	1924.2	Shut-in
03/07/15	21:00:00	76.4	1732.2	193.0	1925.2	Shut-in
03/07/15	22:00:00	76.7	1732.6	193.0	1925.6	Shut-in
03/07/15	23:00:00	76.9	1732.8	193.0	1925.8	Shut-in
03/08/15	00:00:00	77.2	1732.9	193.0	1925.9	Shut-in
03/08/15	01:00:00	77.4	1733.0	193.0	1926.0	Shut-in
03/08/15	02:00:00	77.4	(2)	193.0	(2)	Shut-in
03/08/15	03:00:00	77.7	1733.3	193.0	1926.3	Shut-in
03/08/15	04:00:00	77.9	1733.4	193.0	1926.4	Shut-in
03/08/15	05:00:00	78.2	1731.3	193.0	1924.3	Shut-in
03/08/15	06:00:00	78.4	1723.6	193.0	1916.6	Shut-in
03/08/15	07:00:00	78.7	1716.9	193.0	1909.9	Shut-in
03/08/15	08:00:00	78.9	1707.1	193.0	1900.1	Shut-in
03/08/15	09:00:00	79.2	1703.4	193.0	1896.4	Shut-in
03/08/15	10:00:00	79.4	1734.0	193.0	1927.0	Shut-in
03/08/15	11:00:00	79.7	1754.2	193.0	1947.2	Shut-in
03/08/15	12:00:00	79.9	1738.1	193.0	1931.1	Shut-in
03/08/15	13:00:00	80.1	1738.8	193.0	1931.8	Shut-in
03/08/15	14:00:00	80.4	1737.2	193.0	1930.2	Shut-in
03/08/15	15:00:00	80.6	1738.9	193.0	1931.9	Shut-in
03/08/15	16:00:00	80.9	1738.1	193.0	1931.1	Shut-in
03/08/15	17:00:00	81.1	1735.6	193.0	1928.6	Shut-in
03/08/15	18:00:00	81.4	1738.0	193.0	1931.0	Shut-in
03/08/15	19:00:00	81.6	1735.9	193.0	1928.9	Shut-in
03/08/15	20:00:00	81.9	1733.7	193.0	1926.7	Shut-in
03/08/15	21:00:00	82.1	1734.3	193.0	1927.3	Shut-in
03/08/15	22:00:00	82.4	1734.7	193.0	1927.7	Shut-in
03/08/15	23:00:00	82.6	1735.1	193.0	1928.1	Shut-in
03/09/15	00:00:00	82.9	1735.4	193.0	1928.4	Shut-in
03/09/15	01:00:00	83.1	1735.5	193.0	1928.5	Shut-in
03/09/15	02:00:00	83.4	1735.6	193.0	1928.6	Shut-in
03/09/15	03:00:00	83.6	1735.9	193.0	1928.9	Shut-in
03/09/15	04:00:00	83.9	1736.0	193.0	1929.0	Shut-in
03/09/15	05:00:00	84.1	1738.6	193.0	1931.6	Shut-in
03/09/15	06:00:00	84.4	1743.0	193.0	1936.0	Shut-in
03/09/15	07:00:00	84.6	1730.2	193.0	1923.2	Shut-in
03/09/15	08:00:00	84.9	1716.6	193.0	1909.6	Shut-in
03/09/15	09:00:00	85.1	1712.7	193.0	1905.7	Shut-in
03/09/15	10:00:00	85.4	1756.2	193.0	1949.2	Shut-in
03/09/15	11:00:00	85.6	1744.8	193.0	1937.8	Shut-in
03/09/15	12:00:00	85.9	1740.8	193.0	1933.8	Shut-in
03/09/15	13:00:00	86.1	1741.2	193.0	1934.2	Shut-in
03/09/15	14:00:00	86.3	1741.2	193.0	1934.2	Shut-in
03/09/15	15:00:00	86.6	1741.7	193.0	1934.7	Shut-in
03/09/15	16:00:00	86.8	1741.1	193.0	1934.1	Shut-in
03/09/15	17:00:00	87.1	1740.1	193.0	1933.1	Shut-in
03/09/15	18:00:00	87.3	1741.1	193.0	1934.1	Shut-in
03/09/15	19:00:00	87.6	1737.4	193.0	1930.4	Shut-in
03/09/15	20:00:00	87.8	1735.5	193.0	1928.5	Shut-in
03/09/15	21:00:00	88.1	1736.8	193.0	1929.8	Shut-in
03/09/15	22:00:00	88.3	1737.2	193.0	1930.2	Shut-in
03/09/15	23:00:00	88.6	1737.5	193.0	1930.5	Shut-in
03/10/15	00:00:00	88.8	1737.6	193.0	1930.6	Shut-in
03/10/15	01:00:00	89.1	1737.9	193.0	1930.9	Shut-in
03/10/15	02:00:00	89.3	1738.1	193.0	1931.1	Shut-in
03/10/15	03:00:00	89.6	1738.2	193.0	1931.2	Shut-in
03/10/15	04:00:00	89.8	1738.3	193.0	1931.3	Shut-in
03/10/15	05:00:00	90.0	1731.1	193.0	1924.1	Shut-in
03/10/15	06:00:00	90.3	1724.5	193.0	1917.5	Shut-in
03/10/15	07:00:00	90.5	1717.1	193.0	1910.1	Shut-in
03/10/15	08:00:00	90.7	1714.7	193.0	1907.7	Shut-in
03/10/15	09:00:00	90.9	1717.5	193.0	1910.5	Shut-in
03/10/15	10:00:00	91.1	1735.7	193.0	1928.7	Shut-in
03/10/15	11:00:00	91.4	1748.6	193.0	1941.6	Shut-in
03/10/15	12:00:00	91.6	1743.2	193.0	1936.2	Shut-in
03/10/15	13:00:00	91.8	1742.1	193.0	1935.1	Shut-in
03/10/15	14:00:00	92.1	1742.3	193.0	1935.3	Shut-in
03/10/15	15:00:00	92.3	1742.7	193.0	1935.7	Shut-in
03/10/15	16:00:00	92.6	1740.7	193.0	1933.7	Shut-in
03/10/15	17:00:00	92.8	1738.4	193.0	1931.4	Shut-in
03/10/15	18:00:00	93.1	1739.5	193.0	1932.5	Shut-in
03/10/15	19:00:00	93.3	1739.1	193.0	1932.1	Shut-in
03/10/15	20:00:00	93.7	1739.2	193.0	1932.2	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/10/15	21:00:00	93.9	1739.5	193.0	1932.5	Shut-in
03/10/15	22:00:00	94.1	1739.7	193.0	1932.7	Shut-in
03/10/15	23:00:00	94.3	1739.9	193.0	1932.9	Shut-in
03/11/15	00:00:00	94.5	1740.0	193.0	1933.0	Shut-in
03/11/15	01:00:00	94.8	1740.2	193.0	1933.2	Shut-in
03/11/15	02:00:00	95.0	1740.4	193.0	1933.4	Shut-in
03/11/15	03:00:00	95.3	1741.0	193.0	1934.0	Shut-in
03/11/15	04:00:00	95.5	1741.2	193.0	1934.2	Shut-in
03/11/15	05:00:00	95.8	1741.5	193.0	1934.5	Shut-in
03/11/15	06:00:00	96.1	1740.7	193.0	1933.7	Shut-in
03/11/15	07:00:00	96.3	1740.9	193.0	1933.9	Shut-in
03/11/15	08:00:00	96.5	1741.1	193.0	1934.1	Shut-in
03/11/15	09:00:00	96.8	1741.1	193.0	1934.1	Shut-in
03/11/15	10:00:00	97.0	1741.5	193.0	1934.5	Shut-in
03/11/15	11:00:00	97.3	1743.8	193.0	1936.8	Shut-in
03/11/15	12:00:00	97.6	1744.4	193.0	1937.4	Shut-in
03/11/15	13:00:00	97.8	1744.9	193.0	1937.9	Shut-in
03/11/15	14:00:00	98.1	1745.2	193.0	1938.2	Shut-in
03/11/15	15:00:00	98.4	1745.6	193.0	1938.6	Shut-in
03/11/15	16:00:00	98.7	1745.5	193.0	1938.5	Shut-in
03/11/15	17:00:00	99.0	1745.0	193.0	1938.0	Shut-in
03/11/15	18:00:00	99.2	1743.1	193.0	1936.1	Shut-in
03/11/15	19:00:00	99.5	1741.7	193.0	1934.7	Shut-in
03/11/15	20:00:00	99.8	1743.9	193.0	1936.9	Shut-in
03/11/15	21:00:00	100.0	1741.9	193.0	1934.9	Shut-in
03/11/15	22:00:00	100.3	1742.2	193.0	1935.2	Shut-in
03/11/15	23:00:00	100.5	1742.4	193.0	1935.4	Shut-in
03/12/15	00:00:00	100.8	1742.5	193.0	1935.5	Shut-in
03/12/15	01:00:00	101.1	1742.8	193.0	1935.8	Shut-in
03/12/15	02:00:00	101.3	1742.9	193.0	1935.9	Shut-in
03/12/15	03:00:00	101.6	1743.0	193.0	1936.0	Shut-in
03/12/15	04:00:00	101.9	1743.2	193.0	1936.2	Shut-in
03/12/15	05:00:00	102.1	1743.2	193.0	1936.2	Shut-in
03/12/15	06:00:00	102.4	1744.7	193.0	1937.7	Shut-in
03/12/15	07:00:00	102.7	1743.1	193.0	1936.1	Shut-in
03/12/15	08:00:00	102.9	1739.2	193.0	1932.2	Shut-in
03/12/15	09:00:00	103.2	1747.2	193.0	1940.2	Shut-in
03/12/15	10:00:00	103.5	1775.9	193.0	1968.9	Shut-in
03/12/15	11:00:00	103.7	1748.3	193.0	1941.3	Shut-in
03/12/15	12:00:00	104.0	1748.8	193.0	1941.8	Shut-in
03/12/15	13:00:00	104.2	1749.1	193.0	1942.1	Shut-in
03/12/15	14:00:00	104.5	1748.9	193.0	1941.9	Shut-in
03/12/15	15:00:00	104.7	1748.8	193.0	1941.8	Shut-in
03/12/15	16:00:00	105.0	1748.1	193.0	1941.1	Shut-in
03/12/15	17:00:00	105.3	1746.4	193.0	1939.4	Shut-in
03/12/15	18:00:00	105.5	1744.2	193.0	1937.2	Shut-in
03/12/15	19:00:00	105.8	1745.6	193.0	1938.6	Shut-in
03/12/15	20:00:00	106.0	1744.6	193.0	1937.6	Shut-in
03/12/15	21:00:00	106.3	1744.8	193.0	1937.8	Shut-in
03/12/15	22:00:00	106.6	1745.2	193.0	1938.2	Shut-in
03/12/15	23:00:00	106.9	1745.4	193.0	1938.4	Shut-in
03/13/15	00:00:00	107.2	1745.9	193.0	1938.9	Shut-in
03/13/15	01:00:00	107.5	1746.2	193.0	1939.2	Shut-in
03/13/15	02:00:00	107.8	1745.8	193.0	1938.8	Shut-in
03/13/15	03:00:00	107.9	1745.9	193.0	1938.9	Shut-in
03/13/15	04:00:00	108.2	1746.1	193.0	1939.1	Shut-in
03/13/15	05:00:00	108.5	1746.3	193.0	1939.3	Shut-in
03/13/15	06:00:00	108.7	1746.5	193.0	1939.5	Shut-in
03/13/15	07:00:00	109.0	1747.1	193.0	1940.1	Shut-in
03/13/15	08:00:00	109.2	1749.1	193.0	1942.1	Shut-in
03/13/15	09:00:00	109.5	1749.3	193.0	1942.3	Shut-in
03/13/15	10:00:00	109.7	1751.1	193.0	1944.1	Shut-in
03/13/15	11:00:00	110.0	1751.7	193.0	1944.7	Shut-in
03/13/15	12:00:00	110.3	1752.2	193.0	1945.2	Shut-in
03/13/15	13:00:00	110.5	1750.6	193.0	1943.6	Shut-in
03/13/15	14:00:00	110.8	1751.5	193.0	1944.5	Shut-in
03/13/15	15:00:00	111.2	1750.7	193.0	1943.7	Shut-in
03/13/15	16:00:00	111.5	1748.9	193.0	1941.9	Shut-in
03/13/15	17:00:00	111.8	1747.0	193.0	1940.0	Shut-in
03/13/15	18:00:00	112.1	1748.9	193.0	1941.9	Shut-in
03/13/15	19:00:00	112.4	1746.9	193.0	1939.9	Shut-in
03/13/15	20:00:00	112.8	1747.4	193.0	1940.4	Shut-in
03/13/15	21:00:00	113.1	1747.8	193.0	1940.8	Shut-in
03/13/15	22:00:00	113.4	1748.0	193.0	1941.0	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/13/15	23:00:00	113.7	1748.1	193.0	1941.1	Shut-in
03/14/15	00:00:00	114.0	1748.3	193.0	1941.3	Shut-in
03/14/15	01:00:00	114.3	1748.5	193.0	1941.5	Shut-in
03/14/15	02:00:00	114.6	1748.7	193.0	1941.7	Shut-in
03/14/15	03:00:00	115.0	1748.8	193.0	1941.8	Shut-in
03/14/15	04:00:00	115.3	1748.9	193.0	1941.9	Shut-in
03/14/15	05:00:00	115.6	1749.1	193.0	1942.1	Shut-in
03/14/15	06:00:00	115.9	1749.2	193.0	1942.2	Shut-in
03/14/15	07:00:00	116.3	1749.7	193.0	1942.7	Shut-in
03/14/15	08:00:00	116.6	1751.2	193.0	1944.2	Shut-in
03/14/15	09:00:00	116.9	1752.8	193.0	1945.8	Shut-in
03/14/15	10:00:00	117.2	1750.3	193.0	1943.3	Shut-in
03/14/15	11:00:00	117.6	1753.2	193.0	1946.2	Shut-in
03/14/15	12:00:00	117.9	1753.6	193.0	1946.6	Shut-in
03/14/15	13:00:00	118.2	1753.9	193.0	1946.9	Shut-in
03/14/15	14:00:00	118.5	1753.6	193.0	1946.6	Shut-in
03/14/15	15:00:00	118.7	1753.4	193.0	1946.4	Shut-in
03/14/15	16:00:00	118.9	1750.3	193.0	1943.3	Shut-in
03/14/15	17:00:00	119.0	1752.4	193.0	1945.4	Shut-in
03/14/15	18:00:00	119.1	1751.1	193.0	1944.1	Shut-in
03/14/15	19:00:00	119.3	1750.2	193.0	1943.2	Shut-in
03/14/15	20:00:00	119.6	1750.7	193.0	1943.7	Shut-in
03/14/15	21:00:00	119.8	1751.1	193.0	1944.1	Shut-in
03/14/15	22:00:00	120.1	1751.3	193.0	1944.3	Shut-in
03/14/15	23:00:00	120.3	1751.3	193.0	1944.3	Shut-in
03/15/15	00:00:00	120.5	1751.7	193.0	1944.7	Shut-in
03/15/15	01:00:00	120.8	1751.6	193.0	1944.6	Shut-in
03/15/15	02:00:00	121.0	1752.3	193.0	1945.3	Shut-in
03/15/15	03:00:00	121.3	1752.5	193.0	1945.5	Shut-in
03/15/15	04:00:00	121.5	1752.7	193.0	1945.7	Shut-in
03/15/15	05:00:00	121.8	1752.5	193.0	1945.5	Shut-in
03/15/15	06:00:00	122.0	1752.3	193.0	1945.3	Shut-in
03/15/15	07:00:00	122.3	1752.6	193.0	1945.6	Shut-in
03/15/15	08:00:00	122.5	1753.3	193.0	1946.3	Shut-in
03/15/15	09:00:00	122.7	1754.8	193.0	1947.8	Shut-in
03/15/15	10:00:00	122.9	1755.7	193.0	1948.7	Shut-in
03/15/15	11:00:00	123.2	1754.5	193.0	1947.5	Shut-in
03/15/15	12:00:00	123.4	1754.9	193.0	1947.9	Shut-in
03/15/15	13:00:00	123.5	1755.6	193.0	1948.6	Shut-in
03/15/15	14:00:00	123.5	1755.0	193.0	1948.0	Shut-in
03/15/15	15:00:00	123.8	1753.8	193.0	1946.8	Shut-in
03/15/15	16:00:00	124.0	1753.4	193.0	1946.4	Shut-in
03/15/15	17:00:00	124.2	1755.2	193.0	1948.2	Shut-in
03/15/15	18:00:00	124.5	1754.6	193.0	1947.6	Shut-in
03/15/15	19:00:00	124.7	1753.8	193.0	1946.8	Shut-in
03/15/15	20:00:00	125.0	1753.6	193.0	1946.6	Shut-in
03/15/15	21:00:00	125.2	1753.8	193.0	1946.8	Shut-in
03/15/15	22:00:00	125.5	1754.6	193.0	1947.6	Shut-in
03/15/15	23:00:00	125.7	1754.8	193.0	1947.8	Shut-in
03/16/15	00:00:00	126.0	1755.1	193.0	1948.1	Shut-in
03/16/15	01:00:00	126.3	1755.1	193.0	1948.1	Shut-in
03/16/15	02:00:00	126.4	1755.4	193.0	1948.4	Shut-in
03/16/15	03:00:00	126.7	1754.5	193.0	1947.5	Shut-in
03/16/15	04:00:00	126.9	1756.0	193.0	1949.0	Shut-in
03/16/15	05:00:00	127.2	1754.9	193.0	1947.9	Shut-in
03/16/15	06:00:00	127.4	1754.6	193.0	1947.6	Shut-in
03/16/15	07:00:00	127.7	1755.1	193.0	1948.1	Shut-in
03/16/15	08:00:00	127.9	1755.2	193.0	1948.2	Shut-in
03/16/15	09:00:00	128.2	1756.5	193.0	1949.5	Shut-in
03/16/15	10:00:00	128.4	1756.5	193.0	1949.5	Shut-in
03/16/15	11:00:00	128.7	1756.7	193.0	1949.7	Shut-in
03/16/15	12:00:00	129.0	1757.1	193.0	1950.1	Shut-in
03/16/15	13:00:00	129.2	1757.4	193.0	1950.4	Shut-in
03/16/15	14:00:00	129.4	1756.5	193.0	1949.5	Shut-in
03/16/15	15:00:00	129.8	1756.7	193.0	1949.7	Shut-in
03/16/15	16:00:00	130.0	1757.1	193.0	1950.1	Shut-in
03/16/15	17:00:00	130.3	1756.8	193.0	1949.8	Shut-in
03/16/15	18:00:00	130.7	1755.9	193.0	1948.9	Shut-in
03/16/15	19:00:00	131.0	(3)	193.0	(3)	Shut-in
03/16/15	20:00:00	131.4	(3)	193.0	(3)	Shut-in
03/16/15	21:00:00	131.7	1756.0	193.0	1949.0	Shut-in
03/16/15	22:00:00	132.0	1756.2	193.0	1949.2	Shut-in
03/16/15	23:00:00	132.4	1756.4	193.0	1949.4	Shut-in
03/17/15	00:00:00	132.7	1756.6	193.0	1949.6	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/17/15	01:00:00	133.1	1757.0	193.0	1950.0	Shut-in
03/17/15	02:00:00	133.4	1756.7	193.0	1949.7	Shut-in
03/17/15	03:00:00	133.7	1757.0	193.0	1950.0	Shut-in
03/17/15	04:00:00	134.1	1757.0	193.0	1950.0	Shut-in
03/17/15	05:00:00	134.4	1757.7	193.0	1950.7	Shut-in
03/17/15	06:00:00	134.7	1757.0	193.0	1950.0	Shut-in
03/17/15	07:00:00	135.1	1756.8	193.0	1949.8	Shut-in
03/17/15	08:00:00	135.4	1756.9	193.0	1949.9	Shut-in
03/17/15	09:00:00	135.8	1758.0	193.0	1951.0	Shut-in
03/17/15	10:00:00	136.1	1759.5	193.0	1952.5	Shut-in
03/17/15	11:00:00	136.4	1759.5	193.0	1952.5	Shut-in
03/17/15	12:00:00	136.8	1759.7	193.0	1952.7	Shut-in
03/17/15	13:00:00	137.1	1759.5	193.0	1952.5	Shut-in
03/17/15	14:00:00	137.4	1760.4	193.0	1953.4	Shut-in
03/17/15	15:00:00	137.8	1760.2	193.0	1953.2	Shut-in
03/17/15	16:00:00	138.1	1759.6	193.0	1952.6	Shut-in
03/17/15	17:00:00	138.4	1760.7	193.0	1953.7	Shut-in
03/17/15	18:00:00	138.8	1759.7	193.0	1952.7	Shut-in
03/17/15	19:00:00	139.1	1758.3	193.0	1951.3	Shut-in
03/17/15	20:00:00	139.4	1757.9	193.0	1950.9	Shut-in
03/17/15	21:00:00	139.8	1758.8	193.0	1951.8	Shut-in
03/17/15	22:00:00	140.1	1759.1	193.0	1952.1	Shut-in
03/17/15	23:00:00	140.5	1759.3	193.0	1952.3	Shut-in
03/18/15	00:00:00	140.8	1759.6	193.0	1952.6	Shut-in
03/18/15	01:00:00	141.1	1760.3	193.0	1953.3	Shut-in
03/18/15	02:00:00	141.5	1759.8	193.0	1952.8	Shut-in
03/18/15	03:00:00	141.8	1760.2	193.0	1953.2	Shut-in
03/18/15	04:00:00	142.1	1760.3	193.0	1953.3	Shut-in
03/18/15	05:00:00	142.5	1760.1	193.0	1953.1	Shut-in
03/18/15	06:00:00	142.8	1760.3	193.0	1953.3	Shut-in
03/18/15	07:00:00	143.1	1760.5	193.0	1953.5	Shut-in
03/18/15	08:00:00	143.3	1760.7	193.0	1953.7	Shut-in
03/18/15	09:00:00	143.5	1761.8	193.0	1954.8	Shut-in
03/18/15	10:00:00	143.7	1763.4	193.0	1956.4	Shut-in
03/18/15	11:00:00	144.0	1764.1	193.0	1957.1	Shut-in
03/18/15	12:00:00	144.2	1763.8	193.0	1956.8	Shut-in
03/18/15	13:00:00	144.5	1763.9	193.0	1956.9	Shut-in
03/18/15	14:00:00	144.7	1763.5	193.0	1956.5	Shut-in
03/18/15	15:00:00	145.0	1764.0	193.0	1957.0	Shut-in
03/18/15	16:00:00	145.3	1762.3	193.0	1955.3	Shut-in
03/18/15	17:00:00	145.5	1765.0	193.0	1958.0	Shut-in
03/18/15	18:00:00	145.8	1763.6	193.0	1956.6	Shut-in
03/18/15	19:00:00	146.0	1761.7	193.0	1954.7	Shut-in
03/18/15	20:00:00	146.3	1761.5	193.0	1954.5	Shut-in
03/18/15	21:00:00	146.5	1761.8	193.0	1954.8	Shut-in
03/18/15	22:00:00	146.8	1762.5	193.0	1955.5	Shut-in
03/18/15	23:00:00	147.1	1762.8	193.0	1955.8	Shut-in
03/19/15	00:00:00	147.3	1763.2	193.0	1956.2	Shut-in
03/19/15	01:00:00	147.6	1764.1	193.0	1957.1	Shut-in
03/19/15	02:00:00	147.9	1763.5	193.0	1956.5	Shut-in
03/19/15	03:00:00	148.1	1763.1	193.0	1956.1	Shut-in
03/19/15	04:00:00	148.4	1763.3	193.0	1956.3	Shut-in
03/19/15	05:00:00	148.7	1764.1	193.0	1957.1	Shut-in
03/19/15	06:00:00	148.9	1764.1	193.0	1957.1	Shut-in
03/19/15	07:00:00	149.2	1763.4	193.0	1956.4	Shut-in
03/19/15	08:00:00	149.4	1763.1	193.0	1956.1	Shut-in
03/19/15	09:00:00	149.5	1764.6	193.0	1957.6	Shut-in
03/19/15	10:00:00	149.7	1797.2	193.0	1990.2	Shut-in
03/19/15	11:00:00	149.9	1767.5	193.0	1960.5	Shut-in
03/19/15	12:00:00	150.1	1767.9	193.0	1960.9	Shut-in
03/19/15	13:00:00	150.4	1767.5	193.0	1960.5	Shut-in
03/19/15	14:00:00	150.6	1767.2	193.0	1960.2	Shut-in
03/19/15	15:00:00	150.9	1767.4	193.0	1960.4	Shut-in
03/19/15	16:00:00	151.1	1764.9	193.0	1957.9	Shut-in
03/19/15	17:00:00	151.3	1765.7	193.0	1958.7	Shut-in
03/19/15	18:00:00	151.5	1765.2	193.0	1958.2	Shut-in
03/19/15	19:00:00	151.8	1764.2	193.0	1957.2	Shut-in
03/19/15	20:00:00	152.0	1763.6	193.0	1956.6	Shut-in
03/19/15	21:00:00	152.3	1763.9	193.0	1956.9	Shut-in
03/19/15	22:00:00	152.6	1764.4	193.0	1957.4	Shut-in
03/19/15	23:00:00	152.8	1764.6	193.0	1957.6	Shut-in
03/20/15	00:00:00	153.1	1764.7	193.0	1957.7	Shut-in
03/20/15	01:00:00	153.3	1764.9	193.0	1957.9	Shut-in
03/20/15	02:00:00	153.5	1765.3	193.0	1958.3	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/20/15	03:00:00	153.8	1765.2	193.0	1958.2	Shut-in
03/20/15	04:00:00	154.0	1765.3	193.0	1958.3	Shut-in
03/20/15	05:00:00	154.3	1765.5	193.0	1958.5	Shut-in
03/20/15	06:00:00	154.6	1765.6	193.0	1958.6	Shut-in
03/20/15	07:00:00	154.8	1765.6	193.0	1958.6	Shut-in
03/20/15	08:00:00	155.1	1765.3	193.0	1958.3	Shut-in
03/20/15	09:00:00	155.4	1774.2	193.0	1967.2	Shut-in
03/20/15	10:00:00	155.6	1811.3	193.0	2004.3	Shut-in
03/20/15	11:00:00	155.9	1769.3	193.0	1962.3	Shut-in
03/20/15	12:00:00	156.1	1769.6	193.0	1962.6	Shut-in
03/20/15	13:00:00	156.3	1769.6	193.0	1962.6	Shut-in
03/20/15	14:00:00	156.6	1768.9	193.0	1961.9	Shut-in
03/20/15	15:00:00	156.8	1766.7	193.0	1959.7	Shut-in
03/20/15	16:00:00	157.1	1767.7	193.0	1960.7	Shut-in
03/20/15	17:00:00	157.4	1767.3	193.0	1960.3	Shut-in
03/20/15	18:00:00	157.6	1766.7	193.0	1959.7	Shut-in
03/20/15	19:00:00	157.9	1766.9	193.0	1959.9	Shut-in
03/20/15	20:00:00	158.2	1766.6	193.0	1959.6	Shut-in
03/20/15	21:00:00	158.4	1767.0	193.0	1960.0	Shut-in
03/20/15	22:00:00	158.7	1767.3	193.0	1960.3	Shut-in
03/20/15	23:00:00	159.0	1767.1	193.0	1960.1	Shut-in
03/21/15	00:00:00	159.2	1768.0	193.0	1961.0	Shut-in
03/21/15	01:00:00	159.5	1768.7	193.0	1961.7	Shut-in
03/21/15	02:00:00	159.8	1768.0	193.0	1961.0	Shut-in
03/21/15	03:00:00	160.0	1768.9	193.0	1961.9	Shut-in
03/21/15	04:00:00	160.3	1769.6	193.0	1962.6	Shut-in
03/21/15	05:00:00	160.6	1768.7	193.0	1961.7	Shut-in
03/21/15	06:00:00	160.8	1767.9	193.0	1960.9	Shut-in
03/21/15	07:00:00	161.1	1767.9	193.0	1960.9	Shut-in
03/21/15	08:00:00	161.4	1769.2	193.0	1962.2	Shut-in
03/21/15	09:00:00	161.6	1769.9	193.0	1962.9	Shut-in
03/21/15	10:00:00	161.9	1770.9	193.0	1963.9	Shut-in
03/21/15	11:00:00	162.1	1771.6	193.0	1964.6	Shut-in
03/21/15	12:00:00	162.4	1771.6	193.0	1964.6	Shut-in
03/21/15	13:00:00	162.7	1771.9	193.0	1964.9	Shut-in
03/21/15	14:00:00	162.9	1771.4	193.0	1964.4	Shut-in
03/21/15	15:00:00	163.2	1771.1	193.0	1964.1	Shut-in
03/21/15	16:00:00	163.5	1770.6	193.0	1963.6	Shut-in
03/21/15	17:00:00	163.7	1770.2	193.0	1963.2	Shut-in
03/21/15	18:00:00	164.0	1770.1	193.0	1963.1	Shut-in
03/21/15	19:00:00	164.2	1769.1	193.0	1962.1	Shut-in
03/21/15	20:00:00	164.5	1768.5	193.0	1961.5	Shut-in
03/21/15	21:00:00	164.8	1768.7	193.0	1961.7	Shut-in
03/21/15	22:00:00	165.0	1768.9	193.0	1961.9	Shut-in
03/21/15	23:00:00	165.3	1769.2	193.0	1962.2	Shut-in
03/22/15	00:00:00	165.6	1769.5	193.0	1962.5	Shut-in
03/22/15	01:00:00	165.8	1770.2	193.0	1963.2	Shut-in
03/22/15	02:00:00	166.1	1770.5	193.0	1963.5	Shut-in
03/22/15	03:00:00	166.4	1769.9	193.0	1962.9	Shut-in
03/22/15	04:00:00	166.6	1770.4	193.0	1963.4	Shut-in
03/22/15	05:00:00	166.9	1771.5	193.0	1964.5	Shut-in
03/22/15	06:00:00	167.2	1770.2	193.0	1963.2	Shut-in
03/22/15	07:00:00	167.4	1770.3	193.0	1963.3	Shut-in
03/22/15	08:00:00	167.7	1770.5	193.0	1963.5	Shut-in
03/22/15	09:00:00	168.0	1771.2	193.0	1964.2	Shut-in
03/22/15	10:00:00	168.3	1773.4	193.0	1966.4	Shut-in
03/22/15	11:00:00	168.5	1774.0	193.0	1967.0	Shut-in
03/22/15	12:00:00	168.8	1772.4	193.0	1965.4	Shut-in
03/22/15	13:00:00	169.1	1771.4	193.0	1964.4	Shut-in
03/22/15	14:00:00	169.3	1773.2	193.0	1966.2	Shut-in
03/22/15	15:00:00	169.6	1772.4	193.0	1965.4	Shut-in
03/22/15	16:00:00	169.8	1774.1	193.0	1967.1	Shut-in
03/22/15	17:00:00	170.1	1772.1	193.0	1965.1	Shut-in
03/22/15	18:00:00	170.4	1773.1	193.0	1966.1	Shut-in
03/22/15	19:00:00	170.6	1772.2	193.0	1965.2	Shut-in
03/22/15	20:00:00	170.9	1771.4	193.0	1964.4	Shut-in
03/22/15	21:00:00	171.2	1771.3	193.0	1964.3	Shut-in
03/22/15	22:00:00	171.4	1771.5	193.0	1964.5	Shut-in
03/22/15	23:00:00	171.7	1772.0	193.0	1965.0	Shut-in
03/23/15	00:00:00	172.0	1772.1	193.0	1965.1	Shut-in
03/23/15	01:00:00	172.2	1773.0	193.0	1966.0	Shut-in
03/23/15	02:00:00	172.5	1772.2	193.0	1965.2	Shut-in
03/23/15	03:00:00	172.8	1772.3	193.0	1965.3	Shut-in
03/23/15	04:00:00	173.0	1773.1	193.0	1966.1	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/23/15	05:00:00	173.3	1772.6	193.0	1965.6	Shut-in
03/23/15	06:00:00	173.6	1772.8	193.0	1965.8	Shut-in
03/23/15	07:00:00	173.8	1772.8	193.0	1965.8	Shut-in
03/23/15	08:00:00	174.1	1773.2	193.0	1966.2	Shut-in
03/23/15	09:00:00	174.3	1774.8	193.0	1967.8	Shut-in
03/23/15	10:00:00	174.6	1775.3	193.0	1968.3	Shut-in
03/23/15	11:00:00	174.9	1775.5	193.0	1968.5	Shut-in
03/23/15	12:00:00	175.2	1775.5	193.0	1968.5	Shut-in
03/23/15	13:00:00	175.4	1776.8	193.0	1969.8	Shut-in
03/23/15	14:00:00	175.7	1774.6	193.0	1967.6	Shut-in
03/23/15	15:00:00	176.0	1776.7	193.0	1969.7	Shut-in
03/23/15	16:00:00	176.2	1774.9	193.0	1967.9	Shut-in
03/23/15	17:00:00	176.5	1776.2	193.0	1969.2	Shut-in
03/23/15	18:00:00	176.8	1774.0	193.0	1967.0	Shut-in
03/23/15	19:00:00	177.0	1773.7	193.0	1966.7	Shut-in
03/23/15	20:00:00	177.3	1774.0	193.0	1967.0	Shut-in
03/23/15	21:00:00	177.6	1774.1	193.0	1967.1	Shut-in
03/23/15	22:00:00	177.9	1774.3	193.0	1967.3	Shut-in
03/23/15	23:00:00	178.1	1774.4	193.0	1967.4	Shut-in
03/24/15	00:00:00	178.4	1774.6	193.0	1967.6	Shut-in
03/24/15	01:00:00	178.7	1774.8	193.0	1967.8	Shut-in
03/24/15	02:00:00	178.9	1775.0	193.0	1968.0	Shut-in
03/24/15	03:00:00	179.2	1774.9	193.0	1967.9	Shut-in
03/24/15	04:00:00	179.5	1775.2	193.0	1968.2	Shut-in
03/24/15	05:00:00	179.7	1776.0	193.0	1969.0	Shut-in
03/24/15	06:00:00	180.0	1777.2	193.0	1970.2	Shut-in
03/24/15	07:00:00	180.3	1777.1	193.0	1970.1	Shut-in
03/24/15	08:00:00	180.5	1776.1	193.0	1969.1	Shut-in
03/24/15	09:00:00	180.8	1777.7	193.0	1970.7	Shut-in
03/24/15	10:00:00	181.1	1777.9	193.0	1970.9	Shut-in
03/24/15	11:00:00	181.3	1777.8	193.0	1970.8	Shut-in
03/24/15	12:00:00	181.6	1777.7	193.0	1970.7	Shut-in
03/24/15	13:00:00	181.9	1778.3	193.0	1971.3	Shut-in
03/24/15	14:00:00	182.1	1777.6	193.0	1970.6	Shut-in
03/24/15	15:00:00	182.4	1778.9	193.0	1971.9	Shut-in
03/24/15	16:00:00	182.7	1778.6	193.0	1971.6	Shut-in
03/24/15	17:00:00	182.9	1777.1	193.0	1970.1	Shut-in
03/24/15	18:00:00	183.2	1778.3	193.0	1971.3	Shut-in
03/24/15	19:00:00	183.5	1776.2	193.0	1969.2	Shut-in
03/24/15	20:00:00	183.7	1776.3	193.0	1969.3	Shut-in
03/24/15	21:00:00	183.9	1776.6	193.0	1969.6	Shut-in
03/24/15	22:00:00	184.2	1776.8	193.0	1969.8	Shut-in
03/24/15	23:00:00	184.5	1777.0	193.0	1970.0	Shut-in
03/25/15	00:00:00	184.7	1777.5	193.0	1970.5	Shut-in
03/25/15	01:00:00	185.0	1777.3	193.0	1970.3	Shut-in
03/25/15	02:00:00	185.3	1777.7	193.0	1970.7	Shut-in
03/25/15	03:00:00	185.5	1777.8	193.0	1970.8	Shut-in
03/25/15	04:00:00	185.8	1778.1	193.0	1971.1	Shut-in
03/25/15	05:00:00	186.1	1779.3	193.0	1972.3	Shut-in
03/25/15	06:00:00	186.3	1778.5	193.0	1971.5	Shut-in
03/25/15	07:00:00	186.6	1777.9	193.0	1970.9	Shut-in
03/25/15	08:00:00	186.8	1778.1	193.0	1971.1	Shut-in
03/25/15	09:00:00	187.1	1779.9	193.0	1972.9	Shut-in
03/25/15	10:00:00	187.3	1780.7	193.0	1973.7	Shut-in
03/25/15	11:00:00	187.3	1782.0	193.0	1975.0	Shut-in
03/25/15	12:00:00	187.3	1782.6	193.0	1975.6	Shut-in
03/25/15	13:00:00	187.3	1780.9	193.0	1973.9	Shut-in
03/25/15	14:00:00	187.3	1782.8	193.0	1975.8	Shut-in
03/25/15	15:00:00	187.3	1780.8	193.0	1973.8	Shut-in
03/25/15	16:00:00	187.3	1782.3	193.0	1975.3	Shut-in
03/25/15	17:00:00	187.4	1781.1	193.0	1974.1	Shut-in
03/25/15	18:00:00	187.5	1780.4	193.0	1973.4	Shut-in
03/25/15	19:00:00	187.5	1783.7	193.0	1976.7	Shut-in
03/25/15	20:00:00	187.6	1778.8	193.0	1971.8	Shut-in
03/25/15	21:00:00	187.8	1778.6	193.0	1971.6	Shut-in
03/25/15	22:00:00	188.2	1778.9	193.0	1971.9	Shut-in
03/25/15	23:00:00	188.6	1779.0	193.0	1972.0	Shut-in
03/26/15	00:00:00	189.0	1779.1	193.0	1972.1	Shut-in
03/26/15	01:00:00	189.4	1779.2	193.0	1972.2	Shut-in
03/26/15	02:00:00	189.8	1779.3	193.0	1972.3	Shut-in
03/26/15	03:00:00	190.2	1779.3	193.0	1972.3	Shut-in
03/26/15	04:00:00	190.6	1779.5	193.0	1972.5	Shut-in
03/26/15	05:00:00	191.0	1779.4	193.0	1972.4	Shut-in
03/26/15	06:00:00	191.4	1779.5	193.0	1972.5	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/26/15	07:00:00	191.8	1777.9	193.0	1970.9	Shut-in
03/26/15	08:00:00	192.2	1775.1	193.0	1968.1	Shut-in
03/26/15	09:00:00	192.7	1783.2	193.0	1976.2	Shut-in
03/26/15	10:00:00	193.0	1789.2	193.0	1982.2	Shut-in
03/26/15	11:00:00	193.3	1783.6	193.0	1976.6	Shut-in
03/26/15	12:00:00	193.7	1783.7	193.0	1976.7	Shut-in
03/26/15	13:00:00	194.1	1783.4	193.0	1976.4	Shut-in
03/26/15	14:00:00	194.4	1783.5	193.0	1976.5	Shut-in
03/26/15	15:00:00	194.8	1783.4	193.0	1976.4	Shut-in
03/26/15	16:00:00	195.2	1782.6	193.0	1975.6	Shut-in
03/26/15	17:00:00	195.6	1783.9	193.0	1976.9	Shut-in
03/26/15	18:00:00	196.0	1783.8	193.0	1976.8	Shut-in
03/26/15	19:00:00	196.4	1780.5	193.0	1973.5	Shut-in
03/26/15	20:00:00	196.8	1780.7	193.0	1973.7	Shut-in
03/26/15	21:00:00	197.2	1781.7	193.0	1974.7	Shut-in
03/26/15	22:00:00	197.6	1782.0	193.0	1975.0	Shut-in
03/26/15	23:00:00	198.0	1782.4	193.0	1975.4	Shut-in
03/27/15	00:00:00	198.4	1782.7	193.0	1975.7	Shut-in
03/27/15	01:00:00	198.8	1782.8	193.0	1975.8	Shut-in
03/27/15	02:00:00	199.2	1783.0	193.0	1976.0	Shut-in
03/27/15	03:00:00	199.6	1783.1	193.0	1976.1	Shut-in
03/27/15	04:00:00	200.0	1783.3	193.0	1976.3	Shut-in
03/27/15	05:00:00	200.4	1783.5	193.0	1976.5	Shut-in
03/27/15	06:00:00	200.9	1783.7	193.0	1976.7	Shut-in
03/27/15	07:00:00	201.3	1783.9	193.0	1976.9	Shut-in
03/27/15	08:00:00	201.7	1784.0	193.0	1977.0	Shut-in
03/27/15	09:00:00	202.1	1784.9	193.0	1977.9	Shut-in
03/27/15	10:00:00	202.5	1785.8	193.0	1978.8	Shut-in
03/27/15	11:00:00	202.9	1786.5	193.0	1979.5	Shut-in
03/27/15	12:00:00	203.3	1787.2	193.0	1980.2	Shut-in
03/27/15	13:00:00	203.8	1787.2	193.0	1980.2	Shut-in
03/27/15	14:00:00	204.1	1786.1	193.0	1979.1	Shut-in
03/27/15	15:00:00	204.5	1786.5	193.0	1979.5	Shut-in
03/27/15	16:00:00	204.9	1787.5	193.0	1980.5	Shut-in
03/27/15	17:00:00	205.3	1786.0	193.0	1979.0	Shut-in
03/27/15	18:00:00	205.7	1784.6	193.0	1977.6	Shut-in
03/27/15	19:00:00	206.2	1784.7	193.0	1977.7	Shut-in
03/27/15	20:00:00	206.6	1784.9	193.0	1977.9	Shut-in
03/27/15	21:00:00	207.0	1785.3	193.0	1978.3	Shut-in
03/27/15	22:00:00	207.4	1785.8	193.0	1978.8	Shut-in
03/27/15	23:00:00	207.8	1786.0	193.0	1979.0	Shut-in
03/28/15	00:00:00	208.2	1785.8	193.0	1978.8	Shut-in
03/28/15	01:00:00	208.6	1786.6	193.0	1979.6	Shut-in
03/28/15	02:00:00	209.1	1787.0	193.0	1980.0	Shut-in
03/28/15	03:00:00	209.5	1788.0	193.0	1981.0	Shut-in
03/28/15	04:00:00	209.9	1787.8	193.0	1980.8	Shut-in
03/28/15	05:00:00	210.3	1787.1	193.0	1980.1	Shut-in
03/28/15	06:00:00	210.7	1787.8	193.0	1980.8	Shut-in
03/28/15	07:00:00	211.2	1787.9	193.0	1980.9	Shut-in
03/28/15	08:00:00	211.6	1787.3	193.0	1980.3	Shut-in
03/28/15	09:00:00	212.0	1789.2	193.0	1982.2	Shut-in
03/28/15	10:00:00	212.4	1789.3	193.0	1982.3	Shut-in
03/28/15	11:00:00	212.8	1790.2	193.0	1983.2	Shut-in
03/28/15	12:00:00	213.2	1790.4	193.0	1983.4	Shut-in
03/28/15	13:00:00	213.7	1791.1	193.0	1984.1	Shut-in
03/28/15	14:00:00	214.1	1791.9	193.0	1984.9	Shut-in
03/28/15	15:00:00	214.5	1790.6	193.0	1983.6	Shut-in
03/28/15	16:00:00	214.9	1792.3	193.0	1985.3	Shut-in
03/28/15	17:00:00	215.3	1792.6	193.0	1985.6	Shut-in
03/28/15	18:00:00	215.7	1791.4	193.0	1984.4	Shut-in
03/28/15	19:00:00	216.1	1788.8	193.0	1981.8	Shut-in
03/28/15	20:00:00	216.5	1789.6	193.0	1982.6	Shut-in
03/28/15	21:00:00	216.9	1789.6	193.0	1982.6	Shut-in
03/28/15	22:00:00	217.0	1790.0	193.0	1983.0	Shut-in
03/28/15	23:00:00	217.3	1790.2	193.0	1983.2	Shut-in
03/29/15	00:00:00	217.6	1790.4	193.0	1983.4	Shut-in
03/29/15	01:00:00	217.9	1790.8	193.0	1983.8	Shut-in
03/29/15	02:00:00	218.3	1791.9	193.0	1984.9	Shut-in
03/29/15	03:00:00	218.6	1791.6	193.0	1984.6	Shut-in
03/29/15	04:00:00	219.0	1791.1	193.0	1984.1	Shut-in
03/29/15	05:00:00	219.3	1791.6	193.0	1984.6	Shut-in
03/29/15	06:00:00	219.6	1792.7	193.0	1985.7	Shut-in
03/29/15	07:00:00	220.0	1792.0	193.0	1985.0	Shut-in
03/29/15	08:00:00	220.3	1792.1	193.0	1985.1	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/29/15	09:00:00	220.7	1793.7	193.0	1986.7	Shut-in
03/29/15	10:00:00	221.0	1794.3	193.0	1987.3	Shut-in
03/29/15	11:00:00	221.3	1794.8	193.0	1987.8	Shut-in
03/29/15	12:00:00	221.7	1795.4	193.0	1988.4	Shut-in
03/29/15	13:00:00	222.0	1795.8	193.0	1988.8	Shut-in
03/29/15	14:00:00	222.3	1796.2	193.0	1989.2	Shut-in
03/29/15	15:00:00	222.7	1796.3	193.0	1989.3	Shut-in
03/29/15	16:00:00	223.0	1795.5	193.0	1988.5	Shut-in
03/29/15	17:00:00	223.3	1796.9	193.0	1989.9	Shut-in
03/29/15	18:00:00	223.7	1795.1	193.0	1988.1	Shut-in
03/29/15	19:00:00	224.0	1793.2	193.0	1986.2	Shut-in
03/29/15	20:00:00	224.3	1793.0	193.0	1986.0	Shut-in
03/29/15	21:00:00	224.7	1793.5	193.0	1986.5	Shut-in
03/29/15	22:00:00	225.0	1793.6	193.0	1986.6	Shut-in
03/29/15	23:00:00	225.4	1793.8	193.0	1986.8	Shut-in
03/30/15	00:00:00	225.7	1794.0	193.0	1987.0	Shut-in
03/30/15	01:00:00	226.1	1794.1	193.0	1987.1	Shut-in
03/30/15	02:00:00	226.4	1794.3	193.0	1987.3	Shut-in
03/30/15	03:00:00	226.7	1794.8	193.0	1987.8	Shut-in
03/30/15	04:00:00	227.1	1795.0	193.0	1988.0	Shut-in
03/30/15	05:00:00	227.4	1795.0	193.0	1988.0	Shut-in
03/30/15	06:00:00	227.8	1795.7	193.0	1988.7	Shut-in
03/30/15	07:00:00	228.1	1795.7	193.0	1988.7	Shut-in
03/30/15	08:00:00	228.5	1795.9	193.0	1988.9	Shut-in
03/30/15	09:00:00	228.8	1797.0	193.0	1990.0	Shut-in
03/30/15	10:00:00	229.1	1797.6	193.0	1990.6	Shut-in
03/30/15	11:00:00	229.5	1798.2	193.0	1991.2	Shut-in
03/30/15	12:00:00	229.9	1798.1	193.0	1991.1	Shut-in
03/30/15	13:00:00	230.3	1799.3	193.0	1992.3	Shut-in
03/30/15	14:00:00	230.7	1799.0	193.0	1992.0	Shut-in
03/30/15	15:00:00	231.1	1798.5	193.0	1991.5	Shut-in
03/30/15	16:00:00	231.5	1798.2	193.0	1991.2	Shut-in
03/30/15	17:00:00	232.0	1797.5	193.0	1990.5	Shut-in
03/30/15	18:00:00	232.4	1796.3	193.0	1989.3	Shut-in
03/30/15	19:00:00	232.8	1796.7	193.0	1989.7	Shut-in
03/30/15	20:00:00	233.2	1796.7	193.0	1989.7	Shut-in
03/30/15	21:00:00	233.6	1796.8	193.0	1989.8	Shut-in
03/30/15	22:00:00	234.0	1797.0	193.0	1990.0	Shut-in
03/30/15	23:00:00	234.3	1797.2	193.0	1990.2	Shut-in
03/31/15	00:00:00	234.7	1798.6	193.0	1991.6	Shut-in
03/31/15	01:00:00	235.0	1798.0	193.0	1991.0	Shut-in
03/31/15	02:00:00	235.4	1799.0	193.0	1992.0	Shut-in
03/31/15	03:00:00	235.8	1799.1	193.0	1992.1	Shut-in
03/31/15	04:00:00	236.1	1798.5	193.0	1991.5	Shut-in
03/31/15	05:00:00	236.5	1798.5	193.0	1991.5	Shut-in
03/31/15	06:00:00	236.8	1798.5	193.0	1991.5	Shut-in
03/31/15	07:00:00	237.2	1798.9	193.0	1991.9	Shut-in
03/31/15	08:00:00	237.5	1799.2	193.0	1992.2	Shut-in
03/31/15	09:00:00	237.9	1800.8	193.0	1993.8	Shut-in
03/31/15	10:00:00	238.2	1801.2	193.0	1994.2	Shut-in
03/31/15	11:00:00	238.6	1801.5	193.0	1994.5	Shut-in
03/31/15	12:00:00	238.9	1801.6	193.0	1994.6	Shut-in
03/31/15	13:00:00	239.3	1802.0	193.0	1995.0	Shut-in
03/31/15	14:00:00	239.6	1801.8	193.0	1994.8	Shut-in
03/31/15	15:00:00	240.0	1801.8	193.0	1994.8	Shut-in
03/31/15	16:00:00	240.3	1802.0	193.0	1995.0	Shut-in
03/31/15	17:00:00	240.7	1802.0	193.0	1995.0	Shut-in
03/31/15	18:00:00	241.0	1800.9	193.0	1993.9	Shut-in
03/31/15	19:00:00	241.4	1800.7	193.0	1993.7	Shut-in
03/31/15	20:00:00	241.7	1800.4	193.0	1993.4	Shut-in
03/31/15	21:00:00	242.1	1800.5	193.0	1993.5	Shut-in
03/31/15	22:00:00	242.4	1800.7	193.0	1993.7	Shut-in
03/31/15	23:00:00	242.8	1800.8	193.0	1993.8	Shut-in
04/01/15	00:00:00	243.2	1801.4	193.0	1994.4	Shut-in
04/01/15	01:00:00	243.5	1802.3	193.0	1995.3	Shut-in
04/01/15	02:00:00	243.9	1802.0	193.0	1995.0	Shut-in
04/01/15	03:00:00	244.2	1802.3	193.0	1995.3	Shut-in
04/01/15	04:00:00	244.6	1801.7	193.0	1994.7	Shut-in
04/01/15	05:00:00	245.0	1802.0	193.0	1995.0	Shut-in
04/01/15	06:00:00	245.3	1802.9	193.0	1995.9	Shut-in
04/01/15	07:00:00	245.7	1802.8	193.0	1995.8	Shut-in
04/01/15	08:00:00	245.7	1804.5	193.0	1997.5	Shut-in
04/01/15	09:00:00	245.7	1823.1	193.0	2016.1	Shut-in
04/01/15	10:00:00	245.7	1847.2	193.0	2040.2	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/01/15	11:00:00	245.7	1804.5	193.0	1997.5	Shut-in
04/01/15	12:00:00	245.7	1805.2	193.0	1998.2	Shut-in
04/01/15	13:00:00	245.7	1804.7	193.0	1997.7	Shut-in
04/01/15	14:00:00	245.7	1805.3	193.0	1998.3	Shut-in
04/01/15	15:00:00	245.7	1805.1	193.0	1998.1	Shut-in
04/01/15	16:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/01/15	17:00:00	245.7	1804.2	193.0	1997.2	Shut-in
04/01/15	18:00:00	245.7	1805.6	193.0	1998.6	Shut-in
04/01/15	19:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/01/15	20:00:00	245.7	1803.5	193.0	1996.5	Shut-in
04/01/15	21:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/01/15	22:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/01/15	23:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/02/15	00:00:00	245.7	1804.7	193.0	1997.7	Shut-in
04/02/15	01:00:00	245.7	1803.9	193.0	1996.9	Shut-in
04/02/15	02:00:00	245.7	1804.2	193.0	1997.2	Shut-in
04/02/15	03:00:00	245.7	1804.0	193.0	1997.0	Shut-in
04/02/15	04:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	05:00:00	245.7	1804.5	193.0	1997.5	Shut-in
04/02/15	06:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/02/15	07:00:00	245.7	1804.9	193.0	1997.9	Shut-in
04/02/15	08:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/02/15	09:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	10:00:00	245.7	1805.7	193.0	1998.7	Shut-in
04/02/15	11:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	12:00:00	245.7	1806.0	193.0	1999.0	Shut-in
04/02/15	13:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	14:00:00	245.7	1805.5	193.0	1998.5	Shut-in
04/02/15	15:00:00	245.7	1805.1	193.0	1998.1	Shut-in
04/02/15	16:00:00	245.7	1805.3	193.0	1998.3	Shut-in
04/02/15	17:00:00	245.7	1805.3	193.0	1998.3	Shut-in
04/02/15	18:00:00	245.7	1805.1	193.0	1998.1	Shut-in
04/02/15	19:00:00	245.7	1803.0	193.0	1996.0	Shut-in
04/02/15	20:00:00	245.7	1802.9	193.0	1995.9	Shut-in
04/02/15	21:00:00	245.7	1803.2	193.0	1996.2	Shut-in
04/02/15	22:00:00	245.7	1803.2	193.0	1996.2	Shut-in
04/02/15	23:00:00	245.7	1803.1	193.0	1996.1	Shut-in
04/03/15	00:00:00	245.7	1803.4	193.0	1996.4	Shut-in
04/03/15	01:00:00	245.7	1802.8	193.0	1995.8	Shut-in
04/03/15	02:00:00	245.7	1802.8	193.0	1995.8	Shut-in
04/03/15	03:00:00	245.7	1803.4	193.0	1996.4	Shut-in
04/03/15	04:00:00	245.7	1803.1	193.0	1996.1	Shut-in
04/03/15	05:00:00	245.7	1802.6	193.0	1995.6	Shut-in
04/03/15	06:00:00	245.7	1803.4	193.0	1996.4	Shut-in
04/03/15	07:00:00	245.7	1802.9	193.0	1995.9	Shut-in
04/03/15	08:00:00	245.7	1802.7	193.0	1995.7	Shut-in
04/03/15	09:00:00	245.7	1804.0	193.0	1997.0	Shut-in
04/03/15	10:00:00	245.6	1804.1	193.0	1997.1	Shut-in
04/03/15	11:00:00	246.0	1804.4	193.0	1997.4	Shut-in
04/03/15	12:00:00	246.4	1804.8	193.0	1997.8	Shut-in
04/03/15	13:00:00	246.8	1804.3	193.0	1997.3	Shut-in
04/03/15	14:00:00	247.2	1804.5	193.0	1997.5	Shut-in
04/03/15	15:00:00	247.6	1804.5	193.0	1997.5	Shut-in
04/03/15	16:00:00	248.0	1804.0	193.0	1997.0	Shut-in
04/03/15	17:00:00	248.3	1804.0	193.0	1997.0	Shut-in
04/03/15	18:00:00	248.7	1802.3	193.0	1995.3	Shut-in
04/03/15	19:00:00	249.1	1801.4	193.0	1994.4	Shut-in
04/03/15	20:00:00	249.5	1801.4	193.0	1994.4	Shut-in
04/03/15	21:00:00	250.0	1801.5	193.0	1994.5	Shut-in
04/03/15	22:00:00	250.4	1801.6	193.0	1994.6	Shut-in
04/03/15	23:00:00	250.8	1801.7	193.0	1994.7	Shut-in
04/04/15	00:00:00	251.2	1801.7	193.0	1994.7	Shut-in
04/04/15	01:00:00	251.6	1801.8	193.0	1994.8	Shut-in
04/04/15	02:00:00	252.1	1802.1	193.0	1995.1	Shut-in
04/04/15	03:00:00	252.5	1803.1	193.0	1996.1	Shut-in
04/04/15	04:00:00	252.9	1802.7	193.0	1995.7	Shut-in
04/04/15	05:00:00	253.3	1803.2	193.0	1996.2	Shut-in
04/04/15	06:00:00	253.7	1801.2	193.0	1994.2	Shut-in
04/04/15	07:00:00	254.2	1791.6	193.0	1984.6	Shut-in
04/04/15	08:00:00	254.6	1785.9	193.0	1978.9	Shut-in
04/04/15	09:00:00	255.0	1808.4	193.0	2001.4	Shut-in
04/04/15	10:00:00	255.4	1857.2	193.0	2050.2	Shut-in
04/04/15	11:00:00	255.8	1806.3	193.0	1999.3	Shut-in
04/04/15	12:00:00	256.2	1806.6	193.0	1999.6	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/04/15	13:00:00	256.6	1806.0	193.0	1999.0	Shut-in
04/04/15	14:00:00	257.0	1805.9	193.0	1998.9	Shut-in
04/04/15	15:00:00	257.4	1806.3	193.0	1999.3	Shut-in
04/04/15	16:00:00	257.8	1807.0	193.0	2000.0	Shut-in
04/04/15	17:00:00	258.1	1805.5	193.0	1998.5	Shut-in
04/04/15	18:00:00	258.5	1803.6	193.0	1996.6	Shut-in
04/04/15	19:00:00	258.9	1804.2	193.0	1997.2	Shut-in
04/04/15	20:00:00	259.3	1804.3	193.0	1997.3	Shut-in
04/04/15	21:00:00	259.7	1804.6	193.0	1997.6	Shut-in
04/04/15	22:00:00	260.2	1804.9	193.0	1997.9	Shut-in
04/04/15	23:00:00	260.6	1805.1	193.0	1998.1	Shut-in
04/05/15	00:00:00	261.0	1805.4	193.0	1998.4	Shut-in
04/05/15	01:00:00	261.4	1805.3	193.0	1998.3	Shut-in
04/05/15	02:00:00	261.8	1805.6	193.0	1998.6	Shut-in
04/05/15	03:00:00	262.2	1805.7	193.0	1998.7	Shut-in
04/05/15	04:00:00	262.7	1806.1	193.0	1999.1	Shut-in
04/05/15	05:00:00	263.1	1807.0	193.0	2000.0	Shut-in
04/05/15	06:00:00	263.5	1806.8	193.0	1999.8	Shut-in
04/05/15	07:00:00	263.9	1807.1	193.0	2000.1	Shut-in
04/05/15	08:00:00	264.3	1807.1	193.0	2000.1	Shut-in
04/05/15	09:00:00	264.7	1808.6	193.0	2001.6	Shut-in
04/05/15	10:00:00	265.1	1808.7	193.0	2001.7	Shut-in
04/05/15	11:00:00	265.6	1809.5	193.0	2002.5	Shut-in
04/05/15	12:00:00	266.0	1809.7	193.0	2002.7	Shut-in
04/05/15	13:00:00	266.4	1810.2	193.0	2003.2	Shut-in
04/05/15	14:00:00	266.8	1808.1	193.0	2001.1	Shut-in
04/05/15	15:00:00	267.2	1808.7	193.0	2001.7	Shut-in
04/05/15	16:00:00	267.6	1808.8	193.0	2001.8	Shut-in
04/05/15	17:00:00	268.0	1810.2	193.0	2003.2	Shut-in
04/05/15	18:00:00	268.4	1810.7	193.0	2003.7	Shut-in
04/05/15	19:00:00	268.9	1810.2	193.0	2003.2	Shut-in
04/05/15	20:00:00	269.3	1808.6	193.0	2001.6	Shut-in
04/05/15	21:00:00	269.7	1808.9	193.0	2001.9	Shut-in
04/05/15	22:00:00	270.1	1809.1	193.0	2002.1	Shut-in
04/05/15	23:00:00	270.5	1810.1	193.0	2003.1	Shut-in
04/06/15	00:00:00	270.9	1810.3	193.0	2003.3	Shut-in
04/06/15	01:00:00	271.3	1809.9	193.0	2002.9	Shut-in
04/06/15	02:00:00	271.7	1810.6	193.0	2003.6	Shut-in
04/06/15	03:00:00	272.2	1805.0	193.0	1998.0	Shut-in
04/06/15	04:00:00	272.6	1795.3	193.0	1988.3	Shut-in
04/06/15	05:00:00	273.0	1782.4	193.0	1975.4	Shut-in
04/06/15	06:00:00	273.4	1778.4	193.0	1971.4	Shut-in
04/06/15	07:00:00	273.8	1773.5	193.0	1966.5	Shut-in
04/06/15	08:00:00	274.2	1766.1	193.0	1959.1	Shut-in
04/06/15	09:00:00	274.7	1794.8	193.0	1987.8	Shut-in
04/06/15	10:00:00	275.1	1867.5	193.0	2060.5	Shut-in
04/06/15	11:00:00	275.5	1847.5	193.0	2040.5	Shut-in
04/06/15	12:00:00	275.9	1815.1	193.0	2008.1	Shut-in
04/06/15	13:00:00	276.3	1814.7	193.0	2007.7	Shut-in
04/06/15	14:00:00	276.7	1815.0	193.0	2008.0	Shut-in
04/06/15	15:00:00	277.1	1813.7	193.0	2006.7	Shut-in
04/06/15	16:00:00	277.5	1815.7	193.0	2008.7	Shut-in
04/06/15	17:00:00	277.9	1813.5	193.0	2006.5	Shut-in
04/06/15	18:00:00	278.3	1813.4	193.0	2006.4	Shut-in
04/06/15	19:00:00	278.7	1813.9	193.0	2006.9	Shut-in
04/06/15	20:00:00	279.1	1813.7	193.0	2006.7	Shut-in
04/06/15	21:00:00	279.5	1813.1	193.0	2006.1	Shut-in
04/06/15	22:00:00	280.0	1813.6	193.0	2006.6	Shut-in
04/06/15	23:00:00	280.4	1814.5	193.0	2007.5	Shut-in
04/07/15	00:00:00	280.8	1814.1	193.0	2007.1	Shut-in
04/07/15	01:00:00	281.2	1814.8	193.0	2007.8	Shut-in
04/07/15	02:00:00	281.6	1815.1	193.0	2008.1	Shut-in
04/07/15	03:00:00	282.0	1814.3	193.0	2007.3	Shut-in
04/07/15	04:00:00	282.5	1819.3	193.0	2012.3	Shut-in
04/07/15	05:00:00	282.9	1823.2	193.0	2016.2	Shut-in
04/07/15	06:00:00	283.3	1817.5	193.0	2010.5	Shut-in
04/07/15	07:00:00	283.7	1814.7	193.0	2007.7	Shut-in
04/07/15	08:00:00	284.1	1813.5	193.0	2006.5	Shut-in
04/07/15	09:00:00	284.5	1814.0	193.0	2007.0	Shut-in
04/07/15	10:00:00	284.9	1815.6	193.0	2008.6	Shut-in
04/07/15	11:00:00	285.3	1817.1	193.0	2010.1	Shut-in
04/07/15	12:00:00	285.8	1855.4	193.0	2048.4	Shut-in
04/07/15	13:00:00	286.2	1819.2	193.0	2012.2	Shut-in
04/07/15	14:00:00	286.6	1817.7	193.0	2010.7	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/07/15	15:00:00	287.0	1818.3	193.0	2011.3	Shut-in
04/07/15	16:00:00	287.4	1819.1	193.0	2012.1	Shut-in
04/07/15	17:00:00	287.8	1818.5	193.0	2011.5	Shut-in
04/07/15	18:00:00	288.2	1817.9	193.0	2010.9	Shut-in
04/07/15	19:00:00	288.6	1818.1	193.0	2011.1	Shut-in
04/07/15	20:00:00	289.1	1849.1	193.0	2042.1	Shut-in
04/07/15	21:00:00	289.5	1833.4	193.0	2026.4	Shut-in
04/07/15	22:00:00	289.8	1811.8	193.0	2004.8	Shut-in
04/07/15	23:00:00	290.2	1801.0	193.0	1994.0	Shut-in
04/08/15	00:00:00	290.6	1788.2	193.0	1981.2	Shut-in
04/08/15	01:00:00	291.1	1809.2	193.0	2002.2	Shut-in
04/08/15	02:00:00	291.5	1820.0	193.0	2013.0	Shut-in
04/08/15	03:00:00	291.9	1819.6	193.0	2012.6	Shut-in
04/08/15	04:00:00	292.3	1820.0	193.0	2013.0	Shut-in
04/08/15	05:00:00	292.8	1820.2	193.0	2013.2	Shut-in
04/08/15	06:00:00	293.2	1820.5	193.0	2013.5	Shut-in
04/08/15	07:00:00	293.6	1820.7	193.0	2013.7	Shut-in
04/08/15	08:00:00	294.0	1820.9	193.0	2013.9	Shut-in
04/08/15	09:00:00	294.4	1821.8	193.0	2014.8	Shut-in
04/08/15	10:00:00	294.9	1822.9	193.0	2015.9	Shut-in
04/08/15	11:00:00	295.3	1837.2	193.0	2030.2	Shut-in
04/08/15	12:00:00	295.7	1829.2	193.0	2022.2	Shut-in
04/08/15	13:00:00	296.1	1822.6	193.0	2015.6	Shut-in
04/08/15	14:00:00	296.5	1822.5	193.0	2015.5	Shut-in
04/08/15	15:00:00	296.9	1823.4	193.0	2016.4	Shut-in
04/08/15	16:00:00	297.3	1824.1	193.0	2017.1	Shut-in
04/08/15	17:00:00	297.7	1824.3	193.0	2017.3	Shut-in
04/08/15	18:00:00	298.1	1823.7	193.0	2016.7	Shut-in
04/08/15	19:00:00	298.5	1822.1	193.0	2015.1	Shut-in
04/08/15	20:00:00	298.9	1821.4	193.0	2014.4	Shut-in
04/08/15	21:00:00	299.3	1821.7	193.0	2014.7	Shut-in
04/08/15	22:00:00	299.8	1822.0	193.0	2015.0	Shut-in
04/08/15	23:00:00	300.2	1822.6	193.0	2015.6	Shut-in
04/09/15	00:00:00	300.6	1818.9	193.0	2011.9	Shut-in
04/09/15	01:00:00	301.0	1807.2	193.0	2000.2	Shut-in
04/09/15	02:00:00	301.4	1801.6	193.0	1994.6	Shut-in
04/09/15	03:00:00	301.9	1795.0	193.0	1988.0	Shut-in
04/09/15	04:00:00	302.3	1789.5	193.0	1982.5	Shut-in
04/09/15	05:00:00	302.7	1791.2	193.0	1984.2	Shut-in
04/09/15	06:00:00	303.1	1776.2	193.0	1969.2	Shut-in
04/09/15	07:00:00	303.5	1760.4	193.0	1953.4	Shut-in
04/09/15	08:00:00	304.0	1757.1	193.0	1950.1	Shut-in
04/09/15	09:00:00	304.4	1782.9	193.0	1975.9	Shut-in
04/09/15	10:00:00	304.8	1845.4	193.0	2038.4	Shut-in
04/09/15	11:00:00	305.2	1834.7	193.0	2027.7	Shut-in
04/09/15	12:00:00	305.6	1828.0	193.0	2021.0	Shut-in
04/09/15	13:00:00	306.0	1827.6	193.0	2020.6	Shut-in
04/09/15	14:00:00	306.4	1827.9	193.0	2020.9	Shut-in
04/09/15	15:00:00	306.8	1828.1	193.0	2021.1	Shut-in
04/09/15	16:00:00	307.2	1829.3	193.0	2022.3	Shut-in
04/09/15	17:00:00	307.6	1827.6	193.0	2020.6	Shut-in
04/09/15	18:00:00	308.0	1828.0	193.0	2021.0	Shut-in
04/09/15	19:00:00	308.4	1826.7	193.0	2019.7	Shut-in
04/09/15	20:00:00	308.9	1825.3	193.0	2018.3	Shut-in
04/09/15	21:00:00	309.3	1825.8	193.0	2018.8	Shut-in
04/09/15	22:00:00	309.7	1826.1	193.0	2019.1	Shut-in
04/09/15	23:00:00	310.1	1826.2	193.0	2019.2	Shut-in
04/10/15	00:00:00	310.5	1826.2	193.0	2019.2	Shut-in
04/10/15	01:00:00	310.8	1826.8	193.0	2019.8	Shut-in
04/10/15	02:00:00	311.1	1827.1	193.0	2020.1	Shut-in
04/10/15	03:00:00	311.5	1827.5	193.0	2020.5	Shut-in
04/10/15	04:00:00	311.8	1827.5	193.0	2020.5	Shut-in
04/10/15	05:00:00	312.2	1826.4	193.0	2019.4	Shut-in
04/10/15	06:00:00	312.5	1816.3	193.0	2009.3	Shut-in
04/10/15	07:00:00	312.9	1804.9	193.0	1997.9	Shut-in
04/10/15	08:00:00	313.2	1805.6	193.0	1998.6	Shut-in
04/10/15	09:00:00	313.5	1835.9	193.0	2028.9	Shut-in
04/10/15	10:00:00	313.9	1854.7	193.0	2047.7	Shut-in
04/10/15	11:00:00	314.2	1831.7	193.0	2024.7	Shut-in
04/10/15	12:00:00	314.5	1832.2	193.0	2025.2	Shut-in
04/10/15	13:00:00	314.9	1832.3	193.0	2025.3	Shut-in
04/10/15	14:00:00	315.2	1832.5	193.0	2025.5	Shut-in
04/10/15	15:00:00	315.5	1832.1	193.0	2025.1	Shut-in
04/10/15	16:00:00	315.9	1831.3	193.0	2024.3	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/10/15	17:00:00	316.2	1831.7	193.0	2024.7	Shut-in
04/10/15	18:00:00	316.5	1830.4	193.0	2023.4	Shut-in
04/10/15	19:00:00	316.9	1829.0	193.0	2022.0	Shut-in
04/10/15	20:00:00	317.2	1829.3	193.0	2022.3	Shut-in
04/10/15	21:00:00	317.5	1829.4	193.0	2022.4	Shut-in
04/10/15	22:00:00	317.9	1829.7	193.0	2022.7	Shut-in
04/10/15	23:00:00	318.2	1830.2	193.0	2023.2	Shut-in
04/11/15	00:00:00	318.6	1830.4	193.0	2023.4	Shut-in
04/11/15	01:00:00	318.9	1830.7	193.0	2023.7	Shut-in
04/11/15	02:00:00	319.3	1831.8	193.0	2024.8	Shut-in
04/11/15	03:00:00	319.6	1831.0	193.0	2024.0	Shut-in
04/11/15	04:00:00	319.9	1830.8	193.0	2023.8	Shut-in
04/11/15	05:00:00	320.3	1831.1	193.0	2024.1	Shut-in
04/11/15	06:00:00	320.6	1831.5	193.0	2024.5	Shut-in
04/11/15	07:00:00	321.0	1830.7	193.0	2023.7	Shut-in
04/11/15	08:00:00	321.3	1821.8	193.0	2014.8	Shut-in
04/11/15	09:00:00	321.7	1848.2	193.0	2041.2	Shut-in
04/11/15	10:00:00	322.0	1852.5	193.0	2045.5	Shut-in
04/11/15	11:00:00	322.3	1834.8	193.0	2027.8	Shut-in
04/11/15	12:00:00	322.7	1834.8	193.0	2027.8	Shut-in
04/11/15	13:00:00	323.0	1831.5	193.0	2024.5	Shut-in
04/11/15	14:00:00	323.3	1835.3	193.0	2028.3	Shut-in
04/11/15	15:00:00	323.6	1835.3	193.0	2028.3	Shut-in
04/11/15	16:00:00	324.0	1835.6	193.0	2028.6	Shut-in
04/11/15	17:00:00	324.3	1835.9	193.0	2028.9	Shut-in
04/11/15	18:00:00	324.6	1834.7	193.0	2027.7	Shut-in
04/11/15	19:00:00	325.0	1832.4	193.0	2025.4	Shut-in
04/11/15	20:00:00	325.3	1832.4	193.0	2025.4	Shut-in
04/11/15	21:00:00	325.6	1832.6	193.0	2025.6	Shut-in
04/11/15	22:00:00	326.0	1832.9	193.0	2025.9	Shut-in
04/11/15	23:00:00	326.3	1832.8	193.0	2025.8	Shut-in
04/12/15	00:00:00	326.7	1833.1	193.0	2026.1	Shut-in
04/12/15	01:00:00	327.0	1833.8	193.0	2026.8	Shut-in
04/12/15	02:00:00	327.3	1833.2	193.0	2026.2	Shut-in
04/12/15	03:00:00	327.7	1834.1	193.0	2027.1	Shut-in
04/12/15	04:00:00	328.0	1834.5	193.0	2027.5	Shut-in
04/12/15	05:00:00	328.4	1834.5	193.0	2027.5	Shut-in
04/12/15	06:00:00	328.7	1834.7	193.0	2027.7	Shut-in
04/12/15	07:00:00	329.1	1835.2	193.0	2028.2	Shut-in
04/12/15	08:00:00	329.4	1834.6	193.0	2027.6	Shut-in
04/12/15	09:00:00	329.5	1868.0	193.0	2061.0	Shut-in
04/12/15	10:00:00	329.7	1842.9	193.0	2035.9	Shut-in
04/12/15	11:00:00	330.0	1838.0	193.0	2031.0	Shut-in
04/12/15	12:00:00	330.3	1838.7	193.0	2031.7	Shut-in
04/12/15	13:00:00	330.6	1838.8	193.0	2031.8	Shut-in
04/12/15	14:00:00	330.9	1838.6	193.0	2031.6	Shut-in
04/12/15	15:00:00	331.2	1838.2	193.0	2031.2	Shut-in
04/12/15	16:00:00	331.5	1838.9	193.0	2031.9	Shut-in
04/12/15	17:00:00	331.8	1839.3	193.0	2032.3	Shut-in
04/12/15	18:00:00	332.2	1838.8	193.0	2031.8	Shut-in
04/12/15	19:00:00	332.5	1836.5	193.0	2029.5	Shut-in
04/12/15	20:00:00	332.8	1833.8	193.0	2026.8	Shut-in
04/12/15	21:00:00	333.2	1835.3	193.0	2028.3	Shut-in
04/12/15	22:00:00	333.5	1835.6	193.0	2028.6	Shut-in
04/12/15	23:00:00	333.8	1835.9	193.0	2028.9	Shut-in
04/13/15	00:00:00	334.2	1835.9	193.0	2028.9	Shut-in
04/13/15	01:00:00	334.5	1836.1	193.0	2029.1	Shut-in
04/13/15	02:00:00	334.9	1836.2	193.0	2029.2	Shut-in
04/13/15	03:00:00	335.2	1836.4	193.0	2029.4	Shut-in
04/13/15	04:00:00	335.5	1836.5	193.0	2029.5	Shut-in
04/13/15	05:00:00	335.8	1836.7	193.0	2029.7	Shut-in
04/13/15	06:00:00	336.1	1836.8	193.0	2029.8	Shut-in
04/13/15	07:00:00	336.5	1833.1	193.0	2026.1	Shut-in
04/13/15	08:00:00	336.8	1822.3	193.0	2015.3	Shut-in
04/13/15	09:00:00	337.1	1864.9	193.0	2057.9	Shut-in
04/13/15	10:00:00	337.5	1840.2	193.0	2033.2	Shut-in
04/13/15	11:00:00	337.8	1840.7	193.0	2033.7	Shut-in
04/13/15	12:00:00	338.1	1840.8	193.0	2033.8	Shut-in
04/13/15	13:00:00	338.4	1838.4	193.0	2031.4	Shut-in
04/13/15	14:00:00	338.7	1837.9	193.0	2030.9	Shut-in
04/13/15	15:00:00	339.0	1840.4	193.0	2033.4	Shut-in
04/13/15	16:00:00	339.4	1838.9	193.0	2031.9	Shut-in
04/13/15	17:00:00	339.7	1839.1	193.0	2032.1	Shut-in
04/13/15	18:00:00	340.0	1839.0	193.0	2032.0	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/13/15	19:00:00	340.4	1838.9	193.0	2031.9	Shut-in
04/13/15	20:00:00	340.7	1838.3	193.0	2031.3	Shut-in
04/13/15	21:00:00	341.1	1838.6	193.0	2031.6	Shut-in
04/13/15	22:00:00	341.4	1838.5	193.0	2031.5	Shut-in
04/13/15	23:00:00	341.7	1838.7	193.0	2031.7	Shut-in
04/14/15	00:00:00	342.1	1839.3	193.0	2032.3	Shut-in
04/14/15	01:00:00	342.4	1839.0	193.0	2032.0	Shut-in
04/14/15	02:00:00	342.8	1839.7	193.0	2032.7	Shut-in
04/14/15	03:00:00	343.1	1839.5	193.0	2032.5	Shut-in
04/14/15	04:00:00	343.4	1839.3	193.0	2032.3	Shut-in
04/14/15	05:00:00	343.8	1839.5	193.0	2032.5	Shut-in
04/14/15	06:00:00	344.1	1839.4	193.0	2032.4	Shut-in
04/14/15	07:00:00	344.5	1827.3	193.0	2020.3	Shut-in
04/14/15	08:00:00	344.7	1811.6	193.0	2004.6	Shut-in
04/14/15	09:00:00	345.1	1842.9	193.0	2035.9	Shut-in
04/14/15	10:00:00	345.5	1872.5	193.0	2065.5	Shut-in
04/14/15	11:00:00	346.0	1842.6	193.0	2035.6	Shut-in
04/14/15	12:00:00	346.3	1842.8	193.0	2035.8	Shut-in
04/14/15	13:00:00	346.7	1842.8	193.0	2035.8	Shut-in
04/14/15	14:00:00	347.1	1841.9	193.0	2034.9	Shut-in
04/14/15	15:00:00	347.5	1842.2	193.0	2035.2	Shut-in
04/14/15	16:00:00	347.9	1843.3	193.0	2036.3	Shut-in
04/14/15	17:00:00	348.4	1843.4	193.0	2036.4	Shut-in
04/14/15	18:00:00	348.8	1842.9	193.0	2035.9	Shut-in
04/14/15	19:00:00	349.2	1841.3	193.0	2034.3	Shut-in
04/14/15	20:00:00	349.6	1841.1	193.0	2034.1	Shut-in
04/14/15	21:00:00	350.0	1841.3	193.0	2034.3	Shut-in
04/14/15	22:00:00	350.4	1841.6	193.0	2034.6	Shut-in
04/14/15	23:00:00	350.8	1842.2	193.0	2035.2	Shut-in
04/15/15	00:00:00	351.2	1842.1	193.0	2035.1	Shut-in
04/15/15	01:00:00	351.7	1842.6	193.0	2035.6	Shut-in
04/15/15	02:00:00	352.1	1843.0	193.0	2036.0	Shut-in
04/15/15	03:00:00	352.5	1843.2	193.0	2036.2	Shut-in
04/15/15	04:00:00	352.9	1836.0	193.0	2029.0	Shut-in
04/15/15	05:00:00	353.4	1827.1	193.0	2020.1	Shut-in
04/15/15	06:00:00	353.8	1837.2	193.0	2030.2	Shut-in
04/15/15	07:00:00	354.2	1841.7	193.0	2034.7	Shut-in
04/15/15	08:00:00	354.6	1841.4	193.0	2034.4	Shut-in
04/15/15	09:00:00	355.1	1866.9	193.0	2059.9	Shut-in
04/15/15	10:00:00	355.5	1860.6	193.0	2053.6	Shut-in
04/15/15	11:00:00	355.9	1846.2	193.0	2039.2	Shut-in
04/15/15	12:00:00	356.3	1846.0	193.0	2039.0	Shut-in
04/15/15	13:00:00	356.7	1846.4	193.0	2039.4	Shut-in
04/15/15	14:00:00	357.1	1846.3	193.0	2039.3	Shut-in
04/15/15	15:00:00	357.5	1846.7	193.0	2039.7	Shut-in
04/15/15	16:00:00	357.9	1847.4	193.0	2040.4	Shut-in
04/15/15	17:00:00	358.3	1847.6	193.0	2040.6	Shut-in
04/15/15	18:00:00	358.7	1846.0	193.0	2039.0	Shut-in
04/15/15	19:00:00	359.1	1845.3	193.0	2038.3	Shut-in
04/15/15	20:00:00	359.6	1844.7	193.0	2037.7	Shut-in
04/15/15	21:00:00	360.0	1845.0	193.0	2038.0	Shut-in
04/15/15	22:00:00	360.4	1845.2	193.0	2038.2	Shut-in
04/15/15	23:00:00	360.8	1845.5	193.0	2038.5	Shut-in
04/16/15	00:00:00	361.2	1846.0	193.0	2039.0	Shut-in
04/16/15	01:00:00	361.7	1846.6	193.0	2039.6	Shut-in
04/16/15	02:00:00	362.1	1846.9	193.0	2039.9	Shut-in
04/16/15	03:00:00	362.5	1846.6	193.0	2039.6	Shut-in
04/16/15	04:00:00	362.9	1847.4	193.0	2040.4	Shut-in
04/16/15	05:00:00	363.4	1847.0	193.0	2040.0	Shut-in
04/16/15	06:00:00	363.8	1846.1	193.0	2039.1	Shut-in
04/16/15	07:00:00	364.2	1839.6	193.0	2032.6	Shut-in
04/16/15	08:00:00	364.6	1837.6	193.0	2030.6	Shut-in
04/16/15	09:00:00	365.0	(4)	193.0	(4)	Shut-in
04/16/15	10:00:00	365.4	(4)	193.0	(4)	Shut-in
04/16/15	11:00:00	365.8	(4)	193.0	(4)	Shut-in
04/16/15	12:00:00	366.2	(4)	193.0	(4)	Shut-in
04/16/15	13:00:00	366.6	(4)	193.0	(4)	Shut-in
04/16/15	14:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	15:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	16:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	17:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	18:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	19:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	20:00:00	366.7	(4)	193.0	(4)	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/16/15	21:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	22:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	23:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	00:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	01:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	02:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	03:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	04:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	05:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	06:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	07:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	08:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	09:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	10:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	11:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	12:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	13:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	14:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	15:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	16:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	17:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	18:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	19:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	20:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	21:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	22:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	23:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	00:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	01:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	02:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	03:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	04:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	05:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	06:00:00	366.8	(4)	193.0	(4)	Shut-in
04/18/15	07:00:00	366.9	(4)	193.0	(4)	Shut-in
04/18/15	08:00:00	367.0	(4)	193.0	(4)	Shut-in
04/18/15	09:00:00	367.1	(4)	193.0	(4)	Shut-in
04/18/15	10:00:00	367.3	(4)	193.0	(4)	Shut-in
04/18/15	11:00:00	367.4	(4)	193.0	(4)	Shut-in
04/18/15	12:00:00	367.6	(4)	193.0	(4)	Shut-in
04/18/15	13:00:00	367.9	(4)	193.0	(4)	Shut-in
04/18/15	14:00:00	368.1	(4)	193.0	(4)	Shut-in
04/18/15	15:00:00	368.3	(4)	193.0	(4)	Shut-in
04/18/15	16:00:00	368.6	(4)	193.0	(4)	Shut-in
04/18/15	17:00:00	368.9	(4)	193.0	(4)	Shut-in
04/18/15	18:00:00	369.2	(4)	193.0	(4)	Shut-in
04/18/15	19:00:00	369.5	(4)	193.0	(4)	Shut-in
04/18/15	20:00:00	369.8	(4)	193.0	(4)	Shut-in
04/18/15	21:00:00	370.2	(4)	193.0	(4)	Shut-in
04/18/15	22:00:00	370.5	(4)	193.0	(4)	Shut-in
04/18/15	23:00:00	370.8	(4)	193.0	(4)	Shut-in
04/19/15	00:00:00	371.1	(4)	193.0	(4)	Shut-in
04/19/15	01:00:00	371.5	(4)	193.0	(4)	Shut-in
04/19/15	02:00:00	371.8	(4)	193.0	(4)	Shut-in
04/19/15	03:00:00	372.1	(4)	193.0	(4)	Shut-in
04/19/15	04:00:00	372.5	(4)	193.0	(4)	Shut-in
04/19/15	05:00:00	372.8	(4)	193.0	(4)	Shut-in
04/19/15	06:00:00	373.1	(4)	193.0	(4)	Shut-in
04/19/15	07:00:00	373.5	(4)	193.0	(4)	Shut-in
04/19/15	08:00:00	373.8	(4)	193.0	(4)	Shut-in
04/19/15	09:00:00	374.1	(4)	193.0	(4)	Shut-in
04/19/15	10:00:00	374.5	(4)	193.0	(4)	Shut-in
04/19/15	11:00:00	374.8	(4)	193.0	(4)	Shut-in
04/19/15	12:00:00	375.1	(4)	193.0	(4)	Shut-in
04/19/15	13:00:00	375.4	(4)	193.0	(4)	Shut-in
04/19/15	14:00:00	375.8	(4)	193.0	(4)	Shut-in
04/19/15	15:00:00	376.1	(4)	193.0	(4)	Shut-in
04/19/15	16:00:00	376.4	(4)	193.0	(4)	Shut-in
04/19/15	17:00:00	376.7	(4)	193.0	(4)	Shut-in
04/19/15	18:00:00	377.0	(4)	193.0	(4)	Shut-in
04/19/15	19:00:00	377.4	(4)	193.0	(4)	Shut-in
04/19/15	20:00:00	377.7	(4)	193.0	(4)	Shut-in
04/19/15	21:00:00	378.0	(4)	193.0	(4)	Shut-in
04/19/15	22:00:00	378.4	(4)	193.0	(4)	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/19/15	23:00:00	378.7	(4)	193.0	(4)	Shut-in
04/20/15	00:00:00	379.0	(4)	193.0	(4)	Shut-in
04/20/15	01:00:00	379.3	(4)	193.0	(4)	Shut-in
04/20/15	02:00:00	379.7	(4)	193.0	(4)	Shut-in
04/20/15	03:00:00	380.0	(4)	193.0	(4)	Shut-in
04/20/15	04:00:00	380.3	(4)	193.0	(4)	Shut-in
04/20/15	05:00:00	380.7	(4)	193.0	(4)	Shut-in
04/20/15	06:00:00	381.0	(4)	193.0	(4)	Shut-in
04/20/15	07:00:00	381.3	(4)	193.0	(4)	Shut-in
04/20/15	08:00:00	381.7	(4)	193.0	(4)	Shut-in
04/20/15	09:00:00	382.0	(4)	193.0	(4)	Shut-in
04/20/15	10:00:00	382.3	(4)	193.0	(4)	Shut-in
04/20/15	11:00:00	382.6	(4)	193.0	(4)	Shut-in
04/20/15	12:00:00	382.8	(4)	193.0	(4)	Shut-in
04/20/15	13:00:00	383.1	(4)	193.0	(4)	Shut-in
04/20/15	14:00:00	383.5	(4)	193.0	(4)	Shut-in
04/20/15	15:00:00	383.8	(4)	193.0	(4)	Shut-in
04/20/15	16:00:00	384.2	1854.0	193.0	2047.0	Shut-in
04/20/15	17:00:00	384.6	1852.6	193.0	2045.6	Shut-in
04/20/15	18:00:00	385.0	1852.8	193.0	2045.8	Shut-in
04/20/15	19:00:00	385.4	1851.9	193.0	2044.9	Shut-in
04/20/15	20:00:00	385.8	1852.1	193.0	2045.1	Shut-in
04/20/15	21:00:00	386.2	1852.4	193.0	2045.4	Shut-in
04/20/15	22:00:00	386.6	1852.6	193.0	2045.6	Shut-in
04/20/15	23:00:00	387.0	1853.0	193.0	2046.0	Shut-in
04/21/15	00:00:00	387.4	1853.9	193.0	2046.9	Shut-in
04/21/15	01:00:00	387.8	1854.0	193.0	2047.0	Shut-in
04/21/15	02:00:00	388.1	1853.9	193.0	2046.9	Shut-in
04/21/15	03:00:00	388.4	1853.7	193.0	2046.7	Shut-in
04/21/15	04:00:00	388.8	1853.9	193.0	2046.9	Shut-in
04/21/15	05:00:00	389.2	1854.1	193.0	2047.1	Shut-in
04/21/15	06:00:00	389.6	1854.4	193.0	2047.4	Shut-in
04/21/15	07:00:00	390.0	1854.0	193.0	2047.0	Shut-in
04/21/15	08:00:00	390.4	1855.4	193.0	2048.4	Shut-in
04/21/15	09:00:00	390.9	1856.6	193.0	2049.6	Shut-in
04/21/15	10:00:00	391.3	1856.5	193.0	2049.5	Shut-in
04/21/15	11:00:00	391.6	1856.9	193.0	2049.9	Shut-in
04/21/15	12:00:00	392.0	1857.2	193.0	2050.2	Shut-in
04/21/15	13:00:00	392.2	1856.6	193.0	2049.6	Shut-in
04/21/15	14:00:00	392.6	1855.0	193.0	2048.0	Shut-in
04/21/15	15:00:00	393.0	1857.1	193.0	2050.1	Shut-in
04/21/15	16:00:00	393.4	1856.2	193.0	2049.2	Shut-in
04/21/15	17:00:00	393.8	1856.8	193.0	2049.8	Shut-in
04/21/15	18:00:00	394.2	1856.4	193.0	2049.4	Shut-in
04/21/15	19:00:00	394.6	1855.6	193.0	2048.6	Shut-in
04/21/15	20:00:00	395.0	1855.7	193.0	2048.7	Shut-in
04/21/15	21:00:00	395.3	1856.2	193.0	2049.2	Shut-in
04/21/15	22:00:00	395.7	1856.4	193.0	2049.4	Shut-in
04/21/15	23:00:00	396.1	1856.6	193.0	2049.6	Shut-in
04/22/15	00:00:00	396.5	1856.9	193.0	2049.9	Shut-in
04/22/15	01:00:00	396.9	1857.1	193.0	2050.1	Shut-in
04/22/15	02:00:00	397.3	1857.7	193.0	2050.7	Shut-in
04/22/15	03:00:00	397.7	1857.6	193.0	2050.6	Shut-in
04/22/15	04:00:00	398.2	1858.2	193.0	2051.2	Shut-in
04/22/15	05:00:00	398.6	1858.4	193.0	2051.4	Shut-in
04/22/15	06:00:00	399.0	1858.8	193.0	2051.8	Shut-in
04/22/15	07:00:00	399.4	1859.1	193.0	2052.1	Shut-in
04/22/15	08:00:00	399.8	1860.2	193.0	2053.2	Shut-in
04/22/15	09:00:00	400.2	1860.4	193.0	2053.4	Shut-in
04/22/15	10:00:00	400.6	1860.5	193.0	2053.5	Shut-in
04/22/15	11:00:00	401.0	1860.2	193.0	2053.2	Shut-in
04/22/15	12:00:00	401.4	1861.6	193.0	2054.6	Shut-in
04/22/15	13:00:00	401.7	1861.4	193.0	2054.4	Shut-in
04/22/15	14:00:00	402.0	1861.6	193.0	2054.6	Shut-in
04/22/15	15:00:00	402.3	1861.9	193.0	2054.9	Shut-in
04/22/15	16:00:00	402.5	1861.8	193.0	2054.8	Shut-in
04/22/15	17:00:00	402.9	1861.7	193.0	2054.7	Shut-in
04/22/15	18:00:00	403.3	1860.3	193.0	2053.3	Shut-in
04/22/15	19:00:00	403.7	1861.0	193.0	2054.0	Shut-in
04/22/15	20:00:00	404.1	1859.4	193.0	2052.4	Shut-in
04/22/15	21:00:00	404.5	1859.9	193.0	2052.9	Shut-in
04/22/15	22:00:00	404.9	1860.2	193.0	2053.2	Shut-in
04/22/15	23:00:00	405.3	1860.3	193.0	2053.3	Shut-in
04/23/15	00:00:00	405.7	1860.5	193.0	2053.5	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/23/15	01:00:00	406.1	1860.7	193.0	2053.7	Shut-in
04/23/15	02:00:00	406.5	1860.8	193.0	2053.8	Shut-in
04/23/15	03:00:00	407.0	1861.5	193.0	2054.5	Shut-in
04/23/15	04:00:00	407.4	1862.0	193.0	2055.0	Shut-in
04/23/15	05:00:00	407.8	1862.5	193.0	2055.5	Shut-in
04/23/15	06:00:00	408.2	1861.5	193.0	2054.5	Shut-in
04/23/15	07:00:00	408.6	1861.8	193.0	2054.8	Shut-in
04/23/15	08:00:00	409.0	1862.1	193.0	2055.1	Shut-in
04/23/15	09:00:00	409.4	1863.7	193.0	2056.7	Shut-in
04/23/15	10:00:00	409.8	1864.1	193.0	2057.1	Shut-in
04/23/15	11:00:00	410.2	1864.6	193.0	2057.6	Shut-in
04/23/15	12:00:00	410.6	1863.6	193.0	2056.6	Shut-in
04/23/15	13:00:00	411.0	1865.2	193.0	2058.2	Shut-in
04/23/15	14:00:00	411.4	1864.3	193.0	2057.3	Shut-in
04/23/15	15:00:00	411.8	1865.9	193.0	2058.9	Shut-in
04/23/15	16:00:00	412.2	1865.8	193.0	2058.8	Shut-in
04/23/15	17:00:00	412.6	1863.4	193.0	2056.4	Shut-in
04/23/15	18:00:00	413.0	1862.9	193.0	2055.9	Shut-in
04/23/15	19:00:00	413.4	1864.3	193.0	2057.3	Shut-in
04/23/15	20:00:00	413.8	1864.0	193.0	2057.0	Shut-in
04/23/15	21:00:00	414.2	1863.7	193.0	2056.7	Shut-in
04/23/15	22:00:00	414.6	1863.9	193.0	2056.9	Shut-in
04/23/15	23:00:00	415.0	1864.5	193.0	2057.5	Shut-in
04/24/15	00:00:00	415.4	1865.1	193.0	2058.1	Shut-in
04/24/15	01:00:00	415.8	1865.2	193.0	2058.2	Shut-in
04/24/15	02:00:00	416.2	1865.8	193.0	2058.8	Shut-in
04/24/15	03:00:00	416.6	1865.1	193.0	2058.1	Shut-in
04/24/15	04:00:00	417.1	1865.3	193.0	2058.3	Shut-in
04/24/15	05:00:00	417.5	1865.7	193.0	2058.7	Shut-in
04/24/15	06:00:00	417.9	1866.0	193.0	2059.0	Shut-in
04/24/15	07:00:00	417.9	1865.8	193.0	2058.8	Shut-in
04/24/15	08:00:00	417.9	1867.8	193.0	2060.8	Shut-in
04/24/15	09:00:00	417.9	1867.0	193.0	2060.0	Shut-in
04/24/15	10:00:00	417.9	1867.7	193.0	2060.7	Shut-in
04/24/15	11:00:00	417.9	1868.5	193.0	2061.5	Shut-in
04/24/15	12:00:00	417.9	1869.7	193.0	2062.7	Shut-in
04/24/15	13:00:00	417.9	1869.6	193.0	2062.6	Shut-in
04/24/15	14:00:00	417.9	1868.9	193.0	2061.9	Shut-in
04/24/15	15:00:00	418.2	1868.5	193.0	2061.5	Shut-in
04/24/15	16:00:00	418.6	1868.3	193.0	2061.3	Shut-in
04/24/15	17:00:00	419.0	1868.5	193.0	2061.5	Shut-in
04/24/15	18:00:00	419.4	1868.3	193.0	2061.3	Shut-in
04/24/15	19:00:00	419.8	1867.3	193.0	2060.3	Shut-in
04/24/15	20:00:00	420.2	1867.0	193.0	2060.0	Shut-in
04/24/15	21:00:00	420.6	1867.3	193.0	2060.3	Shut-in
04/24/15	22:00:00	421.0	1867.4	193.0	2060.4	Shut-in
04/24/15	23:00:00	421.4	1867.4	193.0	2060.4	Shut-in
04/25/15	00:00:00	421.9	1867.5	193.0	2060.5	Shut-in
04/25/15	01:00:00	422.3	1867.7	193.0	2060.7	Shut-in
04/25/15	02:00:00	422.7	1868.6	193.0	2061.6	Shut-in
04/25/15	03:00:00	423.1	1869.6	193.0	2062.6	Shut-in
04/25/15	04:00:00	423.5	1869.1	193.0	2062.1	Shut-in
04/25/15	05:00:00	423.9	1868.6	193.0	2061.6	Shut-in
04/25/15	06:00:00	424.3	1869.7	193.0	2062.7	Shut-in
04/25/15	07:00:00	424.7	1868.8	193.0	2061.8	Shut-in
04/25/15	08:00:00	425.1	1869.6	193.0	2062.6	Shut-in
04/25/15	09:00:00	425.5	1870.2	193.0	2063.2	Shut-in
04/25/15	10:00:00	425.9	1870.3	193.0	2063.3	Shut-in
04/25/15	11:00:00	426.3	1869.5	193.0	2062.5	Shut-in
04/25/15	12:00:00	426.7	1870.1	193.0	2063.1	Shut-in
04/25/15	13:00:00	427.1	1870.0	193.0	2063.0	Shut-in
04/25/15	14:00:00	427.5	1870.7	193.0	2063.7	Shut-in
04/25/15	15:00:00	427.9	1870.4	193.0	2063.4	Shut-in
04/25/15	16:00:00	428.3	1871.6	193.0	2064.6	Shut-in
04/25/15	17:00:00	428.7	1871.6	193.0	2064.6	Shut-in
04/25/15	18:00:00	429.1	1871.9	193.0	2064.9	Shut-in
04/25/15	19:00:00	429.5	1871.1	193.0	2064.1	Shut-in
04/25/15	20:00:00	429.9	1869.4	193.0	2062.4	Shut-in
04/25/15	21:00:00	430.3	1869.9	193.0	2062.9	Shut-in
04/25/15	22:00:00	430.7	1870.6	193.0	2063.6	Shut-in
04/25/15	23:00:00	431.1	1871.2	193.0	2064.2	Shut-in
04/26/15	00:00:00	431.5	1871.8	193.0	2064.8	Shut-in
04/26/15	01:00:00	432.0	1871.5	193.0	2064.5	Shut-in
04/26/15	02:00:00	432.4	1871.2	193.0	2064.2	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/26/15	03:00:00	432.8	1871.2	193.0	2064.2	Shut-in
04/26/15	04:00:00	433.2	1871.5	193.0	2064.5	Shut-in
04/26/15	05:00:00	433.6	1872.1	193.0	2065.1	Shut-in
04/26/15	06:00:00	434.0	1872.2	193.0	2065.2	Shut-in
04/26/15	07:00:00	434.4	1872.5	193.0	2065.5	Shut-in
04/26/15	08:00:00	434.9	1873.2	193.0	2066.2	Shut-in
04/26/15	09:00:00	435.3	1874.0	193.0	2067.0	Shut-in
04/26/15	10:00:00	435.7	1874.9	193.0	2067.9	Shut-in
04/26/15	11:00:00	436.1	1875.7	193.0	2068.7	Shut-in
04/26/15	12:00:00	436.5	1875.6	193.0	2068.6	Shut-in
04/26/15	13:00:00	436.9	1876.5	193.0	2069.5	Shut-in
04/26/15	14:00:00	437.3	1876.7	193.0	2069.7	Shut-in
04/26/15	15:00:00	437.7	1877.0	193.0	2070.0	Shut-in
04/26/15	16:00:00	438.0	1876.9	193.0	2069.9	Shut-in
04/26/15	17:00:00	438.4	1876.4	193.0	2069.4	Shut-in
04/26/15	18:00:00	438.8	1876.6	193.0	2069.6	Shut-in
04/26/15	19:00:00	439.2	1874.0	193.0	2067.0	Shut-in
04/26/15	20:00:00	439.6	1873.0	193.0	2066.0	Shut-in
04/26/15	21:00:00	440.0	1873.3	193.0	2066.3	Shut-in
04/26/15	22:00:00	440.4	1873.5	193.0	2066.5	Shut-in
04/26/15	23:00:00	440.8	1874.2	193.0	2067.2	Shut-in
04/27/15	00:00:00	441.2	1874.4	193.0	2067.4	Shut-in
04/27/15	01:00:00	441.6	1874.7	193.0	2067.7	Shut-in
04/27/15	02:00:00	442.1	1875.6	193.0	2068.6	Shut-in
04/27/15	03:00:00	442.5	1875.0	193.0	2068.0	Shut-in
04/27/15	04:00:00	442.9	1875.3	193.0	2068.3	Shut-in
04/27/15	05:00:00	443.3	1876.1	193.0	2069.1	Shut-in
04/27/15	06:00:00	443.7	1876.7	193.0	2069.7	Shut-in
04/27/15	07:00:00	444.1	1876.5	193.0	2069.5	Shut-in
04/27/15	08:00:00	444.5	1876.8	193.0	2069.8	Shut-in
04/27/15	09:00:00	444.9	1878.6	193.0	2071.6	Shut-in
04/27/15	10:00:00	445.3	1879.7	193.0	2072.7	Shut-in
04/27/15	11:00:00	445.7	1879.9	193.0	2072.9	Shut-in
04/27/15	12:00:00	446.1	1880.4	193.0	2073.4	Shut-in
04/27/15	13:00:00	446.5	1879.8	193.0	2072.8	Shut-in
04/27/15	14:00:00	446.9	1879.9	193.0	2072.9	Shut-in
04/27/15	15:00:00	447.3	1880.5	193.0	2073.5	Shut-in
04/27/15	16:00:00	447.7	1880.8	193.0	2073.8	Shut-in
04/27/15	17:00:00	448.0	1880.5	193.0	2073.5	Shut-in
04/27/15	18:00:00	448.4	1878.8	193.0	2071.8	Shut-in
04/27/15	19:00:00	448.8	1877.7	193.0	2070.7	Shut-in
04/27/15	20:00:00	449.2	1876.9	193.0	2069.9	Shut-in
04/27/15	21:00:00	449.6	1878.0	193.0	2071.0	Shut-in
04/27/15	22:00:00	450.0	1878.0	193.0	2071.0	Shut-in
04/27/15	23:00:00	450.4	1878.4	193.0	2071.4	Shut-in
04/28/15	00:00:00	450.8	1878.6	193.0	2071.6	Shut-in
04/28/15	01:00:00	451.2	1879.1	193.0	2072.1	Shut-in
04/28/15	02:00:00	451.6	1879.4	193.0	2072.4	Shut-in
04/28/15	03:00:00	452.0	1879.5	193.0	2072.5	Shut-in
04/28/15	04:00:00	452.4	1879.6	193.0	2072.6	Shut-in
04/28/15	05:00:00	452.8	1879.9	193.0	2072.9	Shut-in
04/28/15	06:00:00	453.2	1880.1	193.0	2073.1	Shut-in
04/28/15	07:00:00	453.7	1880.2	193.0	2073.2	Shut-in
04/28/15	08:00:00	454.1	1880.7	193.0	2073.7	Shut-in
04/28/15	09:00:00	454.5	1881.2	193.0	2074.2	Shut-in
04/28/15	10:00:00	454.9	1881.7	193.0	2074.7	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/28/15	11:00:00	455.3	1882.6	193.0	2075.6	Shut-in
04/28/15	12:00:00	455.6	1881.8	193.0	2074.8	Shut-in
04/28/15	13:00:00	456.0	1883.0	193.0	2076.0	Shut-in
04/28/15	14:00:00	456.4	1883.2	193.0	2076.2	Shut-in
04/28/15	15:00:00	456.8	1884.1	193.0	2077.1	Shut-in
04/28/15	16:00:00	457.2	1884.2	193.0	2077.2	Shut-in
04/28/15	17:00:00	457.6	1880.0	193.0	2073.0	Shut-in
04/28/15	18:00:00	458.0	1882.5	193.0	2075.5	Shut-in
04/28/15	19:00:00	458.3	1881.0	193.0	2074.0	Shut-in
04/28/15	20:00:00	458.7	1881.4	193.0	2074.4	Shut-in
04/28/15	21:00:00	459.1	1881.5	193.0	2074.5	Shut-in
04/28/15	22:00:00	459.5	1881.8	193.0	2074.8	Shut-in
04/28/15	23:00:00	459.9	1882.1	193.0	2075.1	Shut-in
04/29/15	00:00:00	460.4	1882.5	193.0	2075.5	Shut-in
04/29/15	01:00:00	460.8	1883.0	193.0	2076.0	Shut-in
04/29/15	02:00:00	461.2	1883.2	193.0	2076.2	Shut-in
04/29/15	03:00:00	461.6	1883.3	193.0	2076.3	Shut-in
04/29/15	04:00:00	462.0	1883.5	193.0	2076.5	Shut-in
04/29/15	05:00:00	462.4	1883.7	193.0	2076.7	Shut-in
04/29/15	06:00:00	462.8	1883.9	193.0	2076.9	Shut-in
04/29/15	07:00:00	463.2	1884.0	193.0	2077.0	Shut-in
04/29/15	08:00:00	463.6	1884.6	193.0	2077.6	Shut-in
04/29/15	09:00:00	464.0	1885.5	193.0	2078.5	Shut-in
04/29/15	10:00:00	464.4	1886.0	193.0	2079.0	Shut-in
04/29/15	11:00:00	464.8	1886.9	193.0	2079.9	Shut-in
04/29/15	12:00:00	465.2	1887.4	193.0	2080.4	Shut-in
04/29/15	13:00:00	465.6	1887.5	193.0	2080.5	Shut-in
04/29/15	14:00:00	466.0	1887.6	193.0	2080.6	Shut-in
04/29/15	15:00:00	466.4	1887.4	193.0	2080.4	Shut-in
04/29/15	16:00:00	466.8	1887.8	193.0	2080.8	Shut-in
04/29/15	17:00:00	467.2	1887.8	193.0	2080.8	Shut-in
04/29/15	18:00:00	467.6	1887.2	193.0	2080.2	Shut-in
04/29/15	19:00:00	467.9	1883.7	193.0	2076.7	Shut-in
04/29/15	20:00:00	468.3	1884.6	193.0	2077.6	Shut-in
04/29/15	21:00:00	468.7	1884.9	193.0	2077.9	Shut-in
04/29/15	22:00:00	469.1	1885.3	193.0	2078.3	Shut-in
04/29/15	23:00:00	469.5	1885.7	193.0	2078.7	Shut-in
04/30/15	00:00:00	469.9	1885.8	193.0	2078.8	Shut-in
04/30/15	01:00:00	470.3	1885.9	193.0	2078.9	Shut-in
04/30/15	02:00:00	470.7	1886.0	193.0	2079.0	Shut-in
04/30/15	03:00:00	471.1	1886.2	193.0	2079.2	Shut-in
04/30/15	04:00:00	471.6	1886.5	193.0	2079.5	Shut-in
04/30/15	05:00:00	472.0	1886.5	193.0	2079.5	Shut-in
04/30/15	06:00:00	472.4	1887.4	193.0	2080.4	Shut-in
04/30/15	07:00:00	472.8	1888.2	193.0	2081.2	Shut-in
04/30/15	08:00:00	473.2	1888.3	193.0	2081.3	Shut-in
04/30/15	09:00:00	473.6	1888.9	193.0	2081.9	Shut-in
04/30/15	10:00:00	474.0	1889.2	193.0	2082.2	Shut-in
04/30/15	11:00:00	474.4	1890.2	193.0	2083.2	Shut-in
04/30/15	12:00:00	474.7	1891.3	193.0	2084.3	Shut-in
04/30/15	13:00:00	475.1	1890.8	193.0	2083.8	Shut-in
04/30/15	14:00:00	475.5	1891.3	193.0	2084.3	Shut-in
04/30/15	15:00:00	475.9	1891.2	193.0	2084.2	Shut-in
04/30/15	16:00:00	476.3	1891.7	193.0	2084.7	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/30/15	17:00:00	476.7	1889.9	193.0	2082.9	Shut-in
04/30/15	18:00:00	477.0	1891.8	193.0	2084.8	Shut-in
04/30/15	19:00:00	477.4	1888.0	193.0	2081.0	Shut-in
04/30/15	20:00:00	477.8	1888.9	193.0	2081.9	Shut-in
04/30/15	21:00:00	478.2	1889.0	193.0	2082.0	Shut-in
04/30/15	22:00:00	478.6	1889.4	193.0	2082.4	Shut-in
04/30/15	23:00:00	479.0	1889.6	193.0	2082.6	Shut-in
05/01/15	00:00:00	479.4	1889.7	193.0	2082.7	Shut-in
05/01/15	01:00:00	479.8	1889.9	193.0	2082.9	Shut-in
05/01/15	02:00:00	480.2	1890.0	193.0	2083.0	Shut-in
05/01/15	03:00:00	480.6	1890.2	193.0	2083.2	Shut-in
05/01/15	04:00:00	481.0	1890.4	193.0	2083.4	Shut-in
05/01/15	05:00:00	481.4	1890.7	193.0	2083.7	Shut-in
05/01/15	06:00:00	481.8	1891.2	193.0	2084.2	Shut-in
05/01/15	07:00:00	482.2	1891.3	193.0	2084.3	Shut-in
05/01/15	08:00:00	482.6	1892.2	193.0	2085.2	Shut-in
05/01/15	09:00:00	483.0	1892.4	193.0	2085.4	Shut-in
05/01/15	10:00:00	483.4	1892.6	193.0	2085.6	Shut-in
05/01/15	11:00:00	483.8	1893.0	193.0	2086.0	Shut-in
05/01/15	12:00:00	484.0	1893.7	193.0	2086.7	Shut-in
05/01/15	13:00:00	484.0	1894.2	193.0	2087.2	Shut-in
05/01/15	14:00:00	484.0	1894.7	193.0	2087.7	Shut-in
05/01/15	15:00:00	484.0	1894.4	193.0	2087.4	Shut-in
05/01/15	16:00:00	484.0	1894.2	193.0	2087.2	Shut-in
05/01/15	17:00:00	484.0	1892.9	193.0	2085.9	Shut-in
05/01/15	18:00:00	484.0	1892.4	193.0	2085.4	Shut-in
05/01/15	19:00:00	484.0	1892.3	193.0	2085.3	Shut-in
05/01/15	20:00:00	484.0	1892.6	193.0	2085.6	Shut-in
05/01/15	21:00:00	484.0	1892.6	193.0	2085.6	Shut-in
05/01/15	22:00:00	484.0	1892.7	193.0	2085.7	Shut-in
05/01/15	23:00:00	484.0	1892.9	193.0	2085.9	Shut-in
05/02/15	00:00:00	484.0	1893.3	193.0	2086.3	Shut-in
05/02/15	01:00:00	484.0	1893.4	193.0	2086.4	Shut-in
05/02/15	02:00:00	484.0	1893.4	193.0	2086.4	Shut-in
05/02/15	03:00:00	484.0	1893.4	193.0	2086.4	Shut-in
05/02/15	04:00:00	484.0	1893.4	193.0	2086.4	Shut-in
05/02/15	05:00:00	484.0	1893.6	193.0	2086.6	Shut-in
05/02/15	06:00:00	484.0	1893.4	193.0	2086.4	Shut-in
05/02/15	07:00:00	484.0	1893.4	193.0	2086.4	Shut-in
05/02/15	08:00:00	484.0	1893.8	193.0	2086.8	Shut-in
05/02/15	09:00:00	484.0	1894.2	193.0	2087.2	Shut-in
05/02/15	10:00:00	484.0	1894.0	193.0	2087.0	Shut-in
05/02/15	11:00:00	484.0	1894.1	193.0	2087.1	Shut-in
05/02/15	12:00:00	484.0	1894.2	193.0	2087.2	Shut-in
05/02/15	13:00:00	484.0	1894.4	193.0	2087.4	Shut-in
05/02/15	14:00:00	484.0	1894.4	193.0	2087.4	Shut-in
05/02/15	15:00:00	484.0	1894.3	193.0	2087.3	Shut-in
05/02/15	16:00:00	484.0	1895.0	193.0	2088.0	Shut-in
05/02/15	17:00:00	484.0	1893.5	193.0	2086.5	Shut-in
05/02/15	18:00:00	484.0	1891.7	193.0	2084.7	Shut-in
05/02/15	19:00:00	484.0	1892.0	193.0	2085.0	Shut-in
05/02/15	20:00:00	484.0	1892.2	193.0	2085.2	Shut-in
05/02/15	21:00:00	484.0	1892.0	193.0	2085.0	Shut-in
05/02/15	22:00:00	484.0	1892.0	193.0	2085.0	Shut-in
05/02/15	23:00:00	484.0	1892.4	193.0	2085.4	Shut-in
05/03/15	00:00:00	484.0	1892.4	193.0	2085.4	Shut-in
05/03/15	01:00:00	484.0	1892.3	193.0	2085.3	Shut-in
05/03/15	02:00:00	484.0	1892.2	193.0	2085.2	Shut-in
05/03/15	03:00:00	484.0	1892.2	193.0	2085.2	Shut-in
05/03/15	04:00:00	484.0	1892.1	193.0	2085.1	Shut-in
05/03/15	05:00:00	484.0	1892.1	193.0	2085.1	Shut-in
05/03/15	06:00:00	484.0	1892.0	193.0	2085.0	Shut-in
05/03/15	07:00:00	484.0	1891.9	193.0	2084.9	Shut-in
05/03/15	08:00:00	484.0	1892.4	193.0	2085.4	Shut-in
05/03/15	09:00:00	484.0	1892.9	193.0	2085.9	Shut-in
05/03/15	10:00:00	484.0	1892.7	193.0	2085.7	Shut-in
05/03/15	11:00:00	484.0	1892.3	193.0	2085.3	Shut-in
05/03/15	12:00:00	484.0	1892.8	193.0	2085.8	Shut-in
05/03/15	13:00:00	484.4	1893.1	193.0	2086.1	Shut-in
05/03/15	14:00:00	484.8	1893.4	193.0	2086.4	Shut-in
05/03/15	15:00:00	485.1	1892.9	193.0	2085.9	Shut-in
05/03/15	16:00:00	485.5	1892.4	193.0	2085.4	Shut-in
05/03/15	17:00:00	485.9	1891.1	193.0	2084.1	Shut-in
05/03/15	18:00:00	486.3	1890.4	193.0	2083.4	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/03/15	19:00:00	486.7	1890.5	193.0	2083.5	Shut-in
05/03/15	20:00:00	487.1	1890.3	193.0	2083.3	Shut-in
05/03/15	21:00:00	487.5	1890.2	193.0	2083.2	Shut-in
05/03/15	22:00:00	487.9	1890.0	193.0	2083.0	Shut-in
05/03/15	23:00:00	488.3	1890.1	193.0	2083.1	Shut-in
05/04/15	00:00:00	488.7	1890.1	193.0	2083.1	Shut-in
05/04/15	01:00:00	489.1	1890.5	193.0	2083.5	Shut-in
05/04/15	02:00:00	489.5	1890.3	193.0	2083.3	Shut-in
05/04/15	03:00:00	489.9	1890.5	193.0	2083.5	Shut-in
05/04/15	04:00:00	490.3	1890.7	193.0	2083.7	Shut-in
05/04/15	05:00:00	490.7	1890.6	193.0	2083.6	Shut-in
05/04/15	06:00:00	491.1	1890.8	193.0	2083.8	Shut-in
05/04/15	07:00:00	491.5	1890.8	193.0	2083.8	Shut-in
05/04/15	08:00:00	491.9	1892.2	193.0	2085.2	Shut-in
05/04/15	09:00:00	492.3	1893.0	193.0	2086.0	Shut-in
05/04/15	10:00:00	492.7	1893.0	193.0	2086.0	Shut-in
05/04/15	11:00:00	493.1	1893.1	193.0	2086.1	Shut-in
05/04/15	12:00:00	493.3	1893.2	193.0	2086.2	Shut-in
05/04/15	13:00:00	493.3	1893.6	193.0	2086.6	Shut-in
05/04/15	14:00:00	493.3	1894.1	193.0	2087.1	Shut-in
05/04/15	15:00:00	493.2	1893.9	193.0	2086.9	Shut-in
05/04/15	16:00:00	493.0	1894.1	193.0	2087.1	Shut-in
05/04/15	17:00:00	493.0	1894.0	193.0	2087.0	Shut-in
05/04/15	18:00:00	493.0	1892.6	193.0	2085.6	Shut-in
05/04/15	19:00:00	493.0	1891.8	193.0	2084.8	Shut-in
05/04/15	20:00:00	493.0	1892.2	193.0	2085.2	Shut-in
05/04/15	21:00:00	493.0	1892.5	193.0	2085.5	Shut-in
05/04/15	22:00:00	493.0	1892.5	193.0	2085.5	Shut-in
05/04/15	23:00:00	493.0	1892.6	193.0	2085.6	Shut-in
05/05/15	00:00:00	493.0	1892.7	193.0	2085.7	Shut-in
05/05/15	01:00:00	493.0	1892.8	193.0	2085.8	Shut-in
05/05/15	02:00:00	493.0	1893.1	193.0	2086.1	Shut-in
05/05/15	03:00:00	493.0	1893.3	193.0	2086.3	Shut-in
05/05/15	04:00:00	493.0	1893.3	193.0	2086.3	Shut-in
05/05/15	05:00:00	493.0	1893.2	193.0	2086.2	Shut-in
05/05/15	06:00:00	493.0	1893.1	193.0	2086.1	Shut-in
05/05/15	07:00:00	493.0	1893.3	193.0	2086.3	Shut-in
05/05/15	08:00:00	493.0	1894.0	193.0	2087.0	Shut-in
05/05/15	09:00:00	492.7	1894.6	193.0	2087.6	Shut-in
05/05/15	10:00:00	492.7	1894.9	193.0	2087.9	Shut-in
05/05/15	11:00:00	492.3	1894.8	193.0	2087.8	Shut-in
05/05/15	12:00:00	492.3	1894.1	193.0	2087.1	Shut-in
05/05/15	13:00:00	490.9	1893.9	193.0	2086.9	Shut-in
05/05/15	14:00:00	490.9	1894.5	193.0	2087.5	Shut-in
05/05/15	15:00:00	490.9	1894.2	193.0	2087.2	Shut-in
05/05/15	16:00:00	490.9	1894.2	193.0	2087.2	Shut-in
05/05/15	17:00:00	490.9	1893.0	193.0	2086.0	Shut-in
05/05/15	18:00:00	490.3	1891.5	193.0	2084.5	Shut-in
05/05/15	19:00:00	490.2	1891.8	193.0	2084.8	Shut-in
05/05/15	20:00:00	490.5	1892.0	193.0	2085.0	Shut-in
05/05/15	21:00:00	490.9	1891.7	193.0	2084.7	Shut-in
05/05/15	22:00:00	491.3	1891.6	193.0	2084.6	Shut-in
05/05/15	23:00:00	491.7	1891.5	193.0	2084.5	Shut-in
05/06/15	00:00:00	492.1	1891.3	193.0	2084.3	Shut-in
05/06/15	01:00:00	492.5	1891.2	193.0	2084.2	Shut-in
05/06/15	02:00:00	492.9	1891.1	193.0	2084.1	Shut-in
05/06/15	03:00:00	493.3	1891.1	193.0	2084.1	Shut-in
05/06/15	04:00:00	493.7	1891.3	193.0	2084.3	Shut-in
05/06/15	05:00:00	494.1	1891.4	193.0	2084.4	Shut-in
05/06/15	06:00:00	494.5	1891.7	193.0	2084.7	Shut-in
05/06/15	07:00:00	494.9	1885.9	193.0	2078.9	Shut-in
05/06/15	08:00:00	495.3	1888.5	193.0	2081.5	Shut-in
05/06/15	09:00:00	494.6	1936.4	193.0	2129.4	Shut-in
05/06/15	10:00:00	493.7	1893.3	193.0	2086.3	Shut-in
05/06/15	11:00:00	492.8	1893.3	193.0	2086.3	Shut-in
05/06/15	12:00:00	491.9	1892.1	193.0	2085.1	Shut-in
05/06/15	13:00:00	491.0	1892.9	193.0	2085.9	Shut-in
05/06/15	14:00:00	490.2	1893.1	193.0	2086.1	Shut-in
05/06/15	15:00:00	489.3	1891.5	193.0	2084.5	Shut-in
05/06/15	16:00:00	488.4	1892.8	193.0	2085.8	Shut-in
05/06/15	17:00:00	487.5	1892.5	193.0	2085.5	Shut-in
05/06/15	18:00:00	486.6	1891.3	193.0	2084.3	Shut-in
05/06/15	19:00:00	486.8	1890.6	193.0	2083.6	Shut-in
05/06/15	20:00:00	487.2	1890.1	193.0	2083.1	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/06/15	21:00:00	487.6	1890.2	193.0	2083.2	Shut-in
05/06/15	22:00:00	488.0	1889.8	193.0	2082.8	Shut-in
05/06/15	23:00:00	488.4	1889.6	193.0	2082.6	Shut-in
05/07/15	00:00:00	488.8	1889.3	193.0	2082.3	Shut-in
05/07/15	01:00:00	489.1	1889.5	193.0	2082.5	Shut-in
05/07/15	02:00:00	489.5	1889.5	193.0	2082.5	Shut-in
05/07/15	03:00:00	489.9	1889.2	193.0	2082.2	Shut-in
05/07/15	04:00:00	490.2	1889.0	193.0	2082.0	Shut-in
05/07/15	05:00:00	490.6	1889.0	193.0	2082.0	Shut-in
05/07/15	06:00:00	490.9	1888.9	193.0	2081.9	Shut-in
05/07/15	07:00:00	491.3	1888.7	193.0	2081.7	Shut-in
05/07/15	08:00:00	491.7	1888.8	193.0	2081.8	Shut-in
05/07/15	09:00:00	491.0	1888.5	193.0	2081.5	Shut-in
05/07/15	10:00:00	490.0	1889.4	193.0	2082.4	Shut-in
05/07/15	11:00:00	489.1	1889.1	193.0	2082.1	Shut-in
05/07/15	12:00:00	488.1	1888.9	193.0	2081.9	Shut-in
05/07/15	13:00:00	487.2	1888.7	193.0	2081.7	Shut-in
05/07/15	14:00:00	486.2	1888.9	193.0	2081.9	Shut-in
05/07/15	15:00:00	485.3	1888.9	193.0	2081.9	Shut-in
05/07/15	16:00:00	484.4	1888.9	193.0	2081.9	Shut-in
05/07/15	17:00:00	483.4	1887.5	193.0	2080.5	Shut-in
05/07/15	18:00:00	482.5	1888.0	193.0	2081.0	Shut-in
05/07/15	19:00:00	482.6	1887.7	193.0	2080.7	Shut-in
05/07/15	20:00:00	483.0	1886.8	193.0	2079.8	Shut-in
05/07/15	21:00:00	483.4	1887.0	193.0	2080.0	Shut-in
05/07/15	22:00:00	483.8	1886.8	193.0	2079.8	Shut-in
05/07/15	23:00:00	484.2	1886.7	193.0	2079.7	Shut-in
05/08/15	00:00:00	484.6	1886.4	193.0	2079.4	Shut-in
05/08/15	01:00:00	485.0	1886.1	193.0	2079.1	Shut-in
05/08/15	02:00:00	485.4	1885.8	193.0	2078.8	Shut-in
05/08/15	03:00:00	485.8	1885.6	193.0	2078.6	Shut-in
05/08/15	04:00:00	486.2	1885.4	193.0	2078.4	Shut-in
05/08/15	05:00:00	486.6	1885.2	193.0	2078.2	Shut-in
05/08/15	06:00:00	487.0	1885.1	193.0	2078.1	Shut-in
05/08/15	07:00:00	487.4	1885.0	193.0	2078.0	Shut-in
05/08/15	08:00:00	487.6	1885.9	193.0	2078.9	Shut-in
05/08/15	09:00:00	486.7	1925.5	193.0	2118.5	Shut-in
05/08/15	10:00:00	485.8	1908.2	193.0	2101.2	Shut-in
05/08/15	11:00:00	484.9	1886.4	193.0	2079.4	Shut-in
05/08/15	12:00:00	484.0	1885.8	193.0	2078.8	Shut-in
05/08/15	13:00:00	483.1	1885.7	193.0	2078.7	Shut-in
05/08/15	14:00:00	482.2	1885.5	193.0	2078.5	Shut-in
05/08/15	15:00:00	481.3	1886.0	193.0	2079.0	Shut-in
05/08/15	16:00:00	480.4	1885.5	193.0	2078.5	Shut-in
05/08/15	17:00:00	479.6	1885.4	193.0	2078.4	Shut-in
05/08/15	18:00:00	478.7	1884.3	193.0	2077.3	Shut-in
05/08/15	19:00:00	478.7	1884.0	193.0	2077.0	Shut-in
05/08/15	20:00:00	478.9	1883.3	193.0	2076.3	Shut-in
05/08/15	21:00:00	479.3	1882.7	193.0	2075.7	Shut-in
05/08/15	22:00:00	479.7	1882.8	193.0	2075.8	Shut-in
05/08/15	23:00:00	480.0	1882.5	193.0	2075.5	Shut-in
05/09/15	00:00:00	480.4	1882.2	193.0	2075.2	Shut-in
05/09/15	01:00:00	480.8	1881.9	193.0	2074.9	Shut-in
05/09/15	02:00:00	481.2	1881.7	193.0	2074.7	Shut-in
05/09/15	03:00:00	481.6	1881.9	193.0	2074.9	Shut-in
05/09/15	04:00:00	482.0	1881.7	193.0	2074.7	Shut-in
05/09/15	05:00:00	482.4	1881.4	193.0	2074.4	Shut-in
05/09/15	06:00:00	482.8	1881.7	193.0	2074.7	Shut-in
05/09/15	07:00:00	483.2	1881.5	193.0	2074.5	Shut-in
05/09/15	08:00:00	483.6	1881.5	193.0	2074.5	Shut-in
05/09/15	09:00:00	483.6	1881.9	193.0	2074.9	Shut-in
05/09/15	10:00:00	483.6	1881.9	193.0	2074.9	Shut-in
05/09/15	11:00:00	483.6	1882.0	193.0	2075.0	Shut-in
05/09/15	12:00:00	483.6	1881.8	193.0	2074.8	Shut-in
05/09/15	13:00:00	483.6	1882.1	193.0	2075.1	Shut-in
05/09/15	14:00:00	483.6	1882.4	193.0	2075.4	Shut-in
05/09/15	15:00:00	483.6	1882.5	193.0	2075.5	Shut-in
05/09/15	16:00:00	483.6	1882.7	193.0	2075.7	Shut-in
05/09/15	17:00:00	483.6	1882.5	193.0	2075.5	Shut-in
05/09/15	18:00:00	483.6	1881.4	193.0	2074.4	Shut-in
05/09/15	19:00:00	483.6	1880.5	193.0	2073.5	Shut-in
05/09/15	20:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/09/15	21:00:00	483.6	1880.7	193.0	2073.7	Shut-in
05/09/15	22:00:00	483.6	1881.2	193.0	2074.2	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/09/15	23:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	00:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	01:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	02:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	03:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	04:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	05:00:00	483.6	1881.3	193.0	2074.3	Shut-in
05/10/15	06:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	07:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	08:00:00	483.6	1881.3	193.0	2074.3	Shut-in
05/10/15	09:00:00	483.6	1881.9	193.0	2074.9	Shut-in
05/10/15	10:00:00	483.6	1882.1	193.0	2075.1	Shut-in
05/10/15	11:00:00	483.6	1882.2	193.0	2075.2	Shut-in
05/10/15	12:00:00	483.6	1882.4	193.0	2075.4	Shut-in
05/10/15	13:00:00	483.6	1882.5	193.0	2075.5	Shut-in
05/10/15	14:00:00	483.6	1882.3	193.0	2075.3	Shut-in
05/10/15	15:00:00	483.6	1881.9	193.0	2074.9	Shut-in
05/10/15	16:00:00	483.6	1881.4	193.0	2074.4	Shut-in
05/10/15	17:00:00	483.6	1881.0	193.0	2074.0	Shut-in
05/10/15	18:00:00	483.6	1880.0	193.0	2073.0	Shut-in
05/10/15	19:00:00	483.6	1880.3	193.0	2073.3	Shut-in
05/10/15	20:00:00	483.6	1880.0	193.0	2073.0	Shut-in
05/10/15	21:00:00	483.6	1880.0	193.0	2073.0	Shut-in
05/10/15	22:00:00	483.6	1880.1	193.0	2073.1	Shut-in
05/10/15	23:00:00	483.6	1880.2	193.0	2073.2	Shut-in
05/11/15	00:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	01:00:00	483.6	1880.7	193.0	2073.7	Shut-in
05/11/15	02:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	03:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	04:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	05:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	06:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	07:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	08:00:00	483.6	1880.9	193.0	2073.9	Shut-in
05/11/15	09:00:00	483.6	1881.6	193.0	2074.6	Shut-in
05/11/15	10:00:00	483.6	1881.3	193.0	2074.3	Shut-in
05/11/15	11:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/11/15	12:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/11/15	13:00:00	483.6	1881.5	193.0	2074.5	Shut-in
05/11/15	14:00:00	483.6	1880.8	193.0	2073.8	Shut-in
05/11/15	15:00:00	483.6	1881.4	193.0	2074.4	Shut-in
05/11/15	16:00:00	483.6	1881.5	193.0	2074.5	Shut-in
05/11/15	17:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/11/15	18:00:00	483.6	1879.7	193.0	2072.7	Shut-in
05/11/15	19:00:00	483.7	1879.7	193.0	2072.7	Shut-in
05/11/15	20:00:00	484.1	1880.0	193.0	2073.0	Shut-in
05/11/15	21:00:00	484.5	1880.1	193.0	2073.1	Shut-in
05/11/15	22:00:00	484.9	1880.0	193.0	2073.0	Shut-in
05/11/15	23:00:00	485.3	1880.0	193.0	2073.0	Shut-in
05/12/15	00:00:00	485.7	1880.0	193.0	2073.0	Shut-in
05/12/15	01:00:00	486.1	1880.0	193.0	2073.0	Shut-in
05/12/15	02:00:00	486.5	1880.0	193.0	2073.0	Shut-in
05/12/15	03:00:00	486.9	1880.5	193.0	2073.5	Shut-in
05/12/15	04:00:00	487.2	1879.6	193.0	2072.6	Shut-in
05/12/15	05:00:00	487.6	1879.6	193.0	2072.6	Shut-in
05/12/15	06:00:00	488.0	1879.7	193.0	2072.7	Shut-in
05/12/15	07:00:00	488.4	1880.8	193.0	2073.8	Shut-in
05/12/15	08:00:00	488.8	1881.2	193.0	2074.2	Shut-in
05/12/15	09:00:00	489.2	1881.7	193.0	2074.7	Shut-in
05/12/15	10:00:00	489.6	1881.6	193.0	2074.6	Shut-in
05/12/15	11:00:00	490.0	1881.3	193.0	2074.3	Shut-in
05/12/15	12:00:00	490.0	1881.4	193.0	2074.4	Shut-in
05/12/15	13:00:00	490.0	1881.6	193.0	2074.6	Shut-in
05/12/15	14:00:00	489.8	1881.8	193.0	2074.8	Shut-in
05/12/15	15:00:00	489.8	1882.6	193.0	2075.6	Shut-in
05/12/15	16:00:00	489.4	1883.1	193.0	2076.1	Shut-in
05/12/15	17:00:00	489.4	1882.3	193.0	2075.3	Shut-in
05/12/15	18:00:00	488.6	1881.8	193.0	2074.8	Shut-in
05/12/15	19:00:00	488.5	1881.7	193.0	2074.7	Shut-in
05/12/15	20:00:00	487.3	1881.5	193.0	2074.5	Shut-in
05/12/15	21:00:00	487.3	1881.6	193.0	2074.6	Shut-in
05/12/15	22:00:00	487.6	1881.7	193.0	2074.7	Shut-in
05/12/15	23:00:00	488.0	1881.9	193.0	2074.9	Shut-in
05/13/15	00:00:00	488.4	1881.9	193.0	2074.9	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/13/15	01:00:00	488.8	1881.9	193.0	2074.9	Shut-in
05/13/15	02:00:00	489.2	1881.9	193.0	2074.9	Shut-in
05/13/15	03:00:00	489.5	1881.8	193.0	2074.8	Shut-in
05/13/15	04:00:00	489.8	1882.2	193.0	2075.2	Shut-in
05/13/15	05:00:00	490.1	1881.8	193.0	2074.8	Shut-in
05/13/15	06:00:00	490.4	1881.1	193.0	2074.1	Shut-in
05/13/15	07:00:00	490.7	1878.1	193.0	2071.1	Shut-in
05/13/15	08:00:00	491.0	1875.7	193.0	2068.7	Shut-in
05/13/15	09:00:00	491.4	1918.0	193.0	2111.0	Shut-in
05/13/15	10:00:00	491.7	1882.6	193.0	2075.6	Shut-in
05/13/15	11:00:00	492.0	1882.3	193.0	2075.3	Shut-in
05/13/15	12:00:00	492.3	1882.4	193.0	2075.4	Shut-in
05/13/15	13:00:00	491.1	1882.6	193.0	2075.6	Shut-in
05/13/15	14:00:00	490.0	1883.0	193.0	2076.0	Shut-in
05/13/15	15:00:00	488.8	1882.8	193.0	2075.8	Shut-in
05/13/15	16:00:00	487.6	1882.9	193.0	2075.9	Shut-in
05/13/15	17:00:00	486.5	1882.4	193.0	2075.4	Shut-in
05/13/15	18:00:00	486.4	1882.3	193.0	2075.3	Shut-in
05/13/15	19:00:00	486.7	1882.1	193.0	2075.1	Shut-in
05/13/15	20:00:00	487.0	1882.3	193.0	2075.3	Shut-in
05/13/15	21:00:00	487.4	1882.3	193.0	2075.3	Shut-in
05/13/15	22:00:00	487.8	1882.1	193.0	2075.1	Shut-in
05/13/15	23:00:00	488.2	1882.0	193.0	2075.0	Shut-in
05/14/15	00:00:00	488.6	1881.9	193.0	2074.9	Shut-in
05/14/15	01:00:00	489.0	1881.7	193.0	2074.7	Shut-in
05/14/15	02:00:00	489.4	1881.6	193.0	2074.6	Shut-in
05/14/15	03:00:00	489.8	1881.6	193.0	2074.6	Shut-in
05/14/15	04:00:00	490.2	1877.9	193.0	2070.9	Shut-in
05/14/15	05:00:00	490.6	1871.4	193.0	2064.4	Shut-in
05/14/15	06:00:00	491.0	1869.1	193.0	2062.1	Shut-in
05/14/15	07:00:00	491.4	1867.3	193.0	2060.3	Shut-in
05/14/15	08:00:00	491.8	1873.0	193.0	2066.0	Shut-in
05/14/15	09:00:00	492.2	1906.4	193.0	2099.4	Shut-in
05/14/15	10:00:00	492.6	1882.7	193.0	2075.7	Shut-in
05/14/15	11:00:00	493.0	1883.0	193.0	2076.0	Shut-in
05/14/15	12:00:00	493.2	1882.9	193.0	2075.9	Shut-in
05/14/15	13:00:00	492.0	1881.9	193.0	2074.9	Shut-in
05/14/15	14:00:00	490.4	1883.0	193.0	2076.0	Shut-in
05/14/15	15:00:00	488.5	1883.3	193.0	2076.3	Shut-in
05/14/15	16:00:00	486.7	1880.8	193.0	2073.8	Shut-in
05/14/15	17:00:00	484.8	1881.1	193.0	2074.1	Shut-in
05/14/15	18:00:00	484.8	1882.3	193.0	2075.3	Shut-in
05/14/15	19:00:00	485.0	1882.0	193.0	2075.0	Shut-in
05/14/15	20:00:00	485.4	1881.1	193.0	2074.1	Shut-in
05/14/15	21:00:00	485.8	1881.0	193.0	2074.0	Shut-in
05/14/15	22:00:00	486.2	1880.9	193.0	2073.9	Shut-in
05/14/15	23:00:00	486.6	1880.8	193.0	2073.8	Shut-in
05/15/15	00:00:00	487.0	1880.5	193.0	2073.5	Shut-in
05/15/15	01:00:00	487.3	1880.3	193.0	2073.3	Shut-in
05/15/15	02:00:00	487.7	1881.1	193.0	2074.1	Shut-in
05/15/15	03:00:00	488.1	1880.7	193.0	2073.7	Shut-in
05/15/15	04:00:00	488.5	1879.4	193.0	2072.4	Shut-in
05/15/15	05:00:00	488.9	1880.1	193.0	2073.1	Shut-in
05/15/15	06:00:00	489.3	1880.8	193.0	2073.8	Shut-in
05/15/15	07:00:00	489.7	1863.0	193.0	2056.0	Shut-in
05/15/15	08:00:00	490.1	1863.6	193.0	2056.6	Shut-in
05/15/15	09:00:00	490.5	1900.3	193.0	2093.3	Shut-in
05/15/15	10:00:00	490.9	1880.4	193.0	2073.4	Shut-in
05/15/15	11:00:00	491.3	1880.4	193.0	2073.4	Shut-in
05/15/15	12:00:00	491.5	1880.4	193.0	2073.4	Shut-in
05/15/15	13:00:00	489.7	1880.2	193.0	2073.2	Shut-in
05/15/15	14:00:00	487.9	1880.1	193.0	2073.1	Shut-in
05/15/15	15:00:00	486.1	1880.3	193.0	2073.3	Shut-in
05/15/15	16:00:00	484.2	1880.4	193.0	2073.4	Shut-in
05/15/15	17:00:00	482.4	1880.4	193.0	2073.4	Shut-in
05/15/15	18:00:00	482.3	1880.4	193.0	2073.4	Shut-in
05/15/15	19:00:00	482.3	1880.3	193.0	2073.3	Shut-in
05/15/15	20:00:00	482.3	1880.2	193.0	2073.2	Shut-in
05/15/15	21:00:00	482.3	1880.0	193.0	2073.0	Shut-in
05/15/15	22:00:00	482.3	1879.7	193.0	2072.7	Shut-in
05/15/15	23:00:00	482.3	1879.5	193.0	2072.5	Shut-in
05/16/15	00:00:00	482.3	1879.2	193.0	2072.2	Shut-in
05/16/15	01:00:00	482.3	1879.0	193.0	2072.0	Shut-in
05/16/15	02:00:00	482.3	1878.7	193.0	2071.7	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/16/15	03:00:00	482.3	1878.5	193.0	2071.5	Shut-in
05/16/15	04:00:00	482.3	1878.3	193.0	2071.3	Shut-in
05/16/15	05:00:00	482.3	1878.1	193.0	2071.1	Shut-in
05/16/15	06:00:00	482.3	1877.9	193.0	2070.9	Shut-in
05/16/15	07:00:00	482.3	1877.7	193.0	2070.7	Shut-in
05/16/15	08:00:00	482.3	1877.6	193.0	2070.6	Shut-in
05/16/15	09:00:00	482.3	1877.6	193.0	2070.6	Shut-in
05/16/15	10:00:00	482.3	1877.5	193.0	2070.5	Shut-in
05/16/15	11:00:00	482.3	1877.4	193.0	2070.4	Shut-in
05/16/15	12:00:00	482.3	1877.3	193.0	2070.3	Shut-in
05/16/15	13:00:00	482.3	1877.1	193.0	2070.1	Shut-in
05/16/15	14:00:00	482.3	1877.0	193.0	2070.0	Shut-in
05/16/15	15:00:00	482.3	1876.9	193.0	2069.9	Shut-in
05/16/15	16:00:00	482.3	1876.8	193.0	2069.8	Shut-in
05/16/15	17:00:00	482.3	1876.7	193.0	2069.7	Shut-in
05/16/15	18:00:00	482.3	1876.6	193.0	2069.6	Shut-in
05/16/15	19:00:00	482.3	1876.4	193.0	2069.4	Shut-in
05/16/15	20:00:00	482.3	1876.2	193.0	2069.2	Shut-in
05/16/15	21:00:00	482.3	1876.1	193.0	2069.1	Shut-in
05/16/15	22:00:00	482.3	1876.0	193.0	2069.0	Shut-in
05/16/15	23:00:00	482.3	1875.9	193.0	2068.9	Shut-in
05/17/15	00:00:00	482.3	1875.8	193.0	2068.8	Shut-in
05/17/15	01:00:00	482.3	1875.8	193.0	2068.8	Shut-in
05/17/15	02:00:00	482.3	1875.7	193.0	2068.7	Shut-in
05/17/15	03:00:00	482.3	1875.7	193.0	2068.7	Shut-in
05/17/15	04:00:00	482.3	1875.7	193.0	2068.7	Shut-in
05/17/15	05:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	06:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	07:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	08:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	09:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	10:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	11:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	12:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	13:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	14:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	15:00:00	482.3	1875.5	193.0	2068.5	Shut-in
05/17/15	16:00:00	482.3	1875.4	193.0	2068.4	Shut-in
05/17/15	17:00:00	482.3	1875.5	193.0	2068.5	Shut-in
05/17/15	18:00:00	482.3	1875.4	193.0	2068.4	Shut-in
05/17/15	19:00:00	482.3	1875.3	193.0	2068.3	Shut-in
05/17/15	20:00:00	482.3	1875.2	193.0	2068.2	Shut-in
05/17/15	21:00:00	482.3	1875.1	193.0	2068.1	Shut-in
05/17/15	22:00:00	482.3	1875.1	193.0	2068.1	Shut-in
05/17/15	23:00:00	482.3	1875.1	193.0	2068.1	Shut-in
05/18/15	00:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	01:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	02:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	03:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	04:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	05:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	06:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	07:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	08:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	09:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	10:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	11:00:00	482.3	1875.1	193.0	2068.1	Shut-in
05/18/15	12:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	13:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	14:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	15:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	16:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	17:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	18:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	19:00:00	482.3	1874.8	193.0	2067.8	Shut-in
05/18/15	20:00:00	482.3	1874.7	193.0	2067.7	Shut-in
05/18/15	21:00:00	482.2	1874.6	193.0	2067.6	Shut-in
05/18/15	22:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/18/15	23:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	00:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	01:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	02:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	03:00:00	482.2	1874.4	193.0	2067.4	Shut-in
05/19/15	04:00:00	482.2	1874.4	193.0	2067.4	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/19/15	05:00:00	482.2	1874.4	193.0	2067.4	Shut-in
05/19/15	06:00:00	482.2	1874.4	193.0	2067.4	Shut-in
05/19/15	07:00:00	482.2	1874.4	193.0	2067.4	Shut-in
05/19/15	08:00:00	482.2	1874.4	193.0	2067.4	Shut-in
05/19/15	09:00:00	482.2	1874.6	193.0	2067.6	Shut-in
05/19/15	10:00:00	482.2	1874.6	193.0	2067.6	Shut-in
05/19/15	11:00:00	482.2	1874.6	193.0	2067.6	Shut-in
05/19/15	12:00:00	482.2	1874.6	193.0	2067.6	Shut-in
05/19/15	13:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	14:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	15:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	16:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	17:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	18:00:00	482.2	1874.4	193.0	2067.4	Shut-in
05/19/15	19:00:00	482.2	1874.3	193.0	2067.3	Shut-in
05/19/15	20:00:00	482.2	1874.2	193.0	2067.2	Shut-in
05/19/15	21:00:00	482.2	1874.2	193.0	2067.2	Shut-in
05/19/15	22:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/19/15	23:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	00:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	01:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	02:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	03:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	04:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	05:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	06:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	07:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	08:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	09:00:00	482.2	1874.1	193.0	2067.1	Shut-in
05/20/15	10:00:00	482.2	1874.2	193.0	2067.2	Shut-in
05/20/15	11:00:00	482.2	1874.1	193.0	2067.1	Shut-in
05/20/15	12:00:00	482.2	1874.1	193.0	2067.1	Shut-in
05/20/15	13:00:00	482.2	1874.1	193.0	2067.1	Shut-in
05/20/15	14:00:00	482.2	1874.1	193.0	2067.1	Shut-in
05/20/15	15:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	16:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	17:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	18:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	19:00:00	482.2	1873.8	193.0	2066.8	Shut-in
05/20/15	20:00:00	482.2	1873.8	193.0	2066.8	Shut-in
05/20/15	21:00:00	482.2	1873.7	193.0	2066.7	Shut-in
05/20/15	22:00:00	482.2	1873.6	193.0	2066.6	Shut-in
05/20/15	23:00:00	482.2	1873.6	193.0	2066.6	Shut-in
05/21/15	00:00:00	482.2	1873.6	193.0	2066.6	Shut-in
05/21/15	01:00:00	482.2	1873.6	193.0	2066.6	Shut-in
05/21/15	02:00:00	482.2	1873.6	193.0	2066.6	Shut-in
05/21/15	03:00:00	482.2	1873.5	193.0	2066.5	Shut-in
05/21/15	04:00:00	482.2	1873.5	193.0	2066.5	Shut-in
05/21/15	05:00:00	482.2	1873.5	193.0	2066.5	Shut-in
05/21/15	06:00:00	482.2	1873.5	193.0	2066.5	Shut-in
05/21/15	07:00:00	482.2	1873.5	193.0	2066.5	Shut-in
05/21/15	08:00:00	482.3	1873.5	193.0	2066.5	Shut-in
05/21/15	09:00:00	482.6	1873.5	193.0	2066.5	Shut-in
05/21/15	10:00:00	483.1	1873.6	193.0	2066.6	Shut-in
05/21/15	11:00:00	483.5	1873.6	193.0	2066.6	Shut-in
05/21/15	12:00:00	483.8	1873.6	193.0	2066.6	Shut-in
05/21/15	13:00:00	483.8	1873.6	193.0	2066.6	Shut-in
05/21/15	14:00:00	483.8	1873.6	193.0	2066.6	Shut-in
05/21/15	15:00:00	483.8	1873.7	193.0	2066.7	Shut-in
05/21/15	16:00:00	483.8	1873.6	193.0	2066.6	Shut-in
05/21/15	17:00:00	483.8	1873.6	193.0	2066.6	Shut-in
05/21/15	18:00:00	483.8	1873.7	193.0	2066.7	Shut-in
05/21/15	19:00:00	484.1	1873.6	193.0	2066.6	Shut-in
05/21/15	20:00:00	484.6	1873.6	193.0	2066.6	Shut-in
05/21/15	21:00:00	485.1	1873.6	193.0	2066.6	Shut-in
05/21/15	22:00:00	485.5	1873.5	193.0	2066.5	Shut-in
05/21/15	23:00:00	485.9	1873.6	193.0	2066.6	Shut-in
05/22/15	00:00:00	486.3	1873.6	193.0	2066.6	Shut-in
05/22/15	01:00:00	486.7	1873.7	193.0	2066.7	Shut-in
05/22/15	02:00:00	487.2	1873.8	193.0	2066.8	Shut-in
05/22/15	03:00:00	487.6	1873.8	193.0	2066.8	Shut-in
05/22/15	04:00:00	488.1	1873.9	193.0	2066.9	Shut-in
05/22/15	05:00:00	488.5	1874.0	193.0	2067.0	Shut-in
05/22/15	06:00:00	489.0	1874.1	193.0	2067.1	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/22/15	07:00:00	489.5	1874.2	193.0	2067.2	Shut-in
05/22/15	08:00:00	489.9	1874.4	193.0	2067.4	Shut-in
05/22/15	09:00:00	490.3	1874.6	193.0	2067.6	Shut-in
05/22/15	10:00:00	490.8	1874.8	193.0	2067.8	Shut-in
05/22/15	11:00:00	491.2	1875.0	193.0	2068.0	Shut-in
05/22/15	12:00:00	491.4	1875.2	193.0	2068.2	Shut-in
05/22/15	13:00:00	491.4	1875.4	193.0	2068.4	Shut-in
05/22/15	14:00:00	491.4	1875.6	193.0	2068.6	Shut-in
05/22/15	15:00:00	491.4	1875.8	193.0	2068.8	Shut-in
05/22/15	16:00:00	491.4	1875.9	193.0	2068.9	Shut-in
05/22/15	17:00:00	491.4	1876.1	193.0	2069.1	Shut-in
05/22/15	18:00:00	491.4	1876.2	193.0	2069.2	Shut-in
05/22/15	19:00:00	491.8	1876.4	193.0	2069.4	Shut-in
05/22/15	20:00:00	492.2	1876.4	193.0	2069.4	Shut-in
05/22/15	21:00:00	492.7	1876.5	193.0	2069.5	Shut-in
05/22/15	22:00:00	493.2	1876.6	193.0	2069.6	Shut-in
05/22/15	23:00:00	493.6	1876.7	193.0	2069.7	Shut-in
05/23/15	00:00:00	494.1	1876.9	193.0	2069.9	Shut-in
05/23/15	01:00:00	494.6	1877.0	193.0	2070.0	Shut-in
05/23/15	02:00:00	495.0	1877.1	193.0	2070.1	Shut-in
05/23/15	03:00:00	495.5	1877.3	193.0	2070.3	Shut-in
05/23/15	04:00:00	495.8	1877.4	193.0	2070.4	Shut-in
05/23/15	05:00:00	496.3	1877.6	193.0	2070.6	Shut-in
05/23/15	06:00:00	496.7	1877.7	193.0	2070.7	Shut-in
05/23/15	07:00:00	497.2	1877.9	193.0	2070.9	Shut-in
05/23/15	08:00:00	497.6	1878.1	193.0	2071.1	Shut-in
05/23/15	09:00:00	498.1	1878.3	193.0	2071.3	Shut-in
05/23/15	10:00:00	498.5	1878.6	193.0	2071.6	Shut-in
05/23/15	11:00:00	499.0	1878.9	193.0	2071.9	Shut-in
05/23/15	12:00:00	499.4	1879.1	193.0	2072.1	Shut-in
05/23/15	13:00:00	499.9	1879.3	193.0	2072.3	Shut-in
05/23/15	14:00:00	500.4	1879.5	193.0	2072.5	Shut-in
05/23/15	15:00:00	500.8	1879.7	193.0	2072.7	Shut-in
05/23/15	16:00:00	501.2	1879.9	193.0	2072.9	Shut-in
05/23/15	17:00:00	501.7	1880.1	193.0	2073.1	Shut-in
05/23/15	18:00:00	502.1	1880.3	193.0	2073.3	Shut-in
05/23/15	19:00:00	502.6	1880.4	193.0	2073.4	Shut-in
05/23/15	20:00:00	503.0	1880.6	193.0	2073.6	Shut-in
05/23/15	21:00:00	503.5	1880.7	193.0	2073.7	Shut-in
05/23/15	22:00:00	503.9	1880.9	193.0	2073.9	Shut-in
05/23/15	23:00:00	504.4	1881.1	193.0	2074.1	Shut-in
05/24/15	00:00:00	504.9	1881.3	193.0	2074.3	Shut-in
05/24/15	01:00:00	505.3	1881.5	193.0	2074.5	Shut-in
05/24/15	02:00:00	505.8	1881.8	193.0	2074.8	Shut-in
05/24/15	03:00:00	506.2	1882.0	193.0	2075.0	Shut-in
05/24/15	04:00:00	506.7	1882.2	193.0	2075.2	Shut-in
05/24/15	05:00:00	507.1	1882.5	193.0	2075.5	Shut-in
05/24/15	06:00:00	507.6	1882.7	193.0	2075.7	Shut-in
05/24/15	07:00:00	508.1	1883.0	193.0	2076.0	Shut-in
05/24/15	08:00:00	508.5	1883.3	193.0	2076.3	Shut-in
05/24/15	09:00:00	509.0	1883.6	193.0	2076.6	Shut-in
05/24/15	10:00:00	509.4	1883.9	193.0	2076.9	Shut-in
05/24/15	11:00:00	509.9	1884.2	193.0	2077.2	Shut-in
05/24/15	12:00:00	510.4	1884.4	193.0	2077.4	Shut-in
05/24/15	13:00:00	510.8	1884.7	193.0	2077.7	Shut-in
05/24/15	14:00:00	511.3	1885.0	193.0	2078.0	Shut-in
05/24/15	15:00:00	511.7	1885.2	193.0	2078.2	Shut-in
05/24/15	16:00:00	512.2	1885.4	193.0	2078.4	Shut-in
05/24/15	17:00:00	512.6	1885.6	193.0	2078.6	Shut-in
05/24/15	18:00:00	513.1	1885.8	193.0	2078.8	Shut-in
05/24/15	19:00:00	513.6	1886.0	193.0	2079.0	Shut-in
05/24/15	20:00:00	514.0	1886.1	193.0	2079.1	Shut-in
05/24/15	21:00:00	514.5	1886.3	193.0	2079.3	Shut-in
05/24/15	22:00:00	515.0	1886.4	193.0	2079.4	Shut-in
05/24/15	23:00:00	515.4	1886.7	193.0	2079.7	Shut-in
05/25/15	00:00:00	515.9	1886.9	193.0	2079.9	Shut-in
05/25/15	01:00:00	516.4	1887.2	193.0	2080.2	Shut-in
05/25/15	02:00:00	516.8	1887.4	193.0	2080.4	Shut-in
05/25/15	03:00:00	517.3	1887.7	193.0	2080.7	Shut-in
05/25/15	04:00:00	517.8	1887.9	193.0	2080.9	Shut-in
05/25/15	05:00:00	518.3	1888.2	193.0	2081.2	Shut-in
05/25/15	06:00:00	518.7	1888.4	193.0	2081.4	Shut-in
05/25/15	07:00:00	519.2	1888.6	193.0	2081.6	Shut-in
05/25/15	08:00:00	519.7	1888.9	193.0	2081.9	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/25/15	09:00:00	520.1	1889.3	193.0	2082.3	Shut-in
05/25/15	10:00:00	520.6	1889.6	193.0	2082.6	Shut-in
05/25/15	11:00:00	521.0	1889.8	193.0	2082.8	Shut-in
05/25/15	12:00:00	521.5	1890.1	193.0	2083.1	Shut-in
05/25/15	13:00:00	521.9	1890.4	193.0	2083.4	Shut-in
05/25/15	14:00:00	522.3	1890.6	193.0	2083.6	Shut-in
05/25/15	15:00:00	522.8	1890.8	193.0	2083.8	Shut-in
05/25/15	16:00:00	523.3	1891.1	193.0	2084.1	Shut-in
05/25/15	17:00:00	523.7	1891.3	193.0	2084.3	Shut-in
05/25/15	18:00:00	524.2	1891.5	193.0	2084.5	Shut-in
05/25/15	19:00:00	524.6	1891.6	193.0	2084.6	Shut-in
05/25/15	20:00:00	525.1	1891.8	193.0	2084.8	Shut-in
05/25/15	21:00:00	525.5	1892.0	193.0	2085.0	Shut-in
05/25/15	22:00:00	525.7	1892.1	193.0	2085.1	Shut-in
05/25/15	23:00:00	526.0	1892.3	193.0	2085.3	Shut-in
05/26/15	00:00:00	526.3	1892.6	193.0	2085.6	Shut-in
05/26/15	01:00:00	526.7	1892.8	193.0	2085.8	Shut-in
05/26/15	02:00:00	527.1	1893.1	193.0	2086.1	Shut-in
05/26/15	03:00:00	527.5	1893.3	193.0	2086.3	Shut-in
05/26/15	04:00:00	527.9	1893.5	193.0	2086.5	Shut-in
05/26/15	05:00:00	528.4	1893.7	193.0	2086.7	Shut-in
05/26/15	06:00:00	528.9	1893.9	193.0	2086.9	Shut-in
05/26/15	07:00:00	529.3	1894.1	193.0	2087.1	Shut-in
05/26/15	08:00:00	529.8	1894.4	193.0	2087.4	Shut-in
05/26/15	09:00:00	530.3	1894.6	193.0	2087.6	Shut-in
05/26/15	10:00:00	530.8	1894.9	193.0	2087.9	Shut-in
05/26/15	11:00:00	531.2	1895.1	193.0	2088.1	Shut-in
05/26/15	12:00:00	531.5	1895.3	193.0	2088.3	Shut-in
05/26/15	13:00:00	531.5	1895.5	193.0	2088.5	Shut-in
05/26/15	14:00:00	531.5	1895.8	193.0	2088.8	Shut-in
05/26/15	15:00:00	531.5	1896.0	193.0	2089.0	Shut-in
05/26/15	16:00:00	531.5	1896.2	193.0	2089.2	Shut-in
05/26/15	17:00:00	531.5	1896.4	193.0	2089.4	Shut-in
05/26/15	18:00:00	531.5	1896.5	193.0	2089.5	Shut-in
05/26/15	19:00:00	531.5	1896.6	193.0	2089.6	Shut-in
05/26/15	20:00:00	532.0	1896.7	193.0	2089.7	Shut-in
05/26/15	21:00:00	532.5	1896.8	193.0	2089.8	Shut-in
05/26/15	22:00:00	532.9	1896.8	193.0	2089.8	Shut-in
05/26/15	23:00:00	533.4	1896.9	193.0	2089.9	Shut-in
05/27/15	00:00:00	533.9	1897.0	193.0	2090.0	Shut-in
05/27/15	01:00:00	534.4	1897.1	193.0	2090.1	Shut-in
05/27/15	02:00:00	534.8	1897.3	193.0	2090.3	Shut-in
05/27/15	03:00:00	535.3	1897.4	193.0	2090.4	Shut-in
05/27/15	04:00:00	535.8	1897.5	193.0	2090.5	Shut-in
05/27/15	05:00:00	536.3	1897.6	193.0	2090.6	Shut-in
05/27/15	06:00:00	536.7	1897.8	193.0	2090.8	Shut-in
05/27/15	07:00:00	537.2	1897.9	193.0	2090.9	Shut-in
05/27/15	08:00:00	537.7	1898.1	193.0	2091.1	Shut-in
05/27/15	09:00:00	538.1	1898.4	193.0	2091.4	Shut-in
05/27/15	10:00:00	538.6	1898.6	193.0	2091.6	Shut-in
05/27/15	11:00:00	539.1	1898.7	193.0	2091.7	Shut-in
05/27/15	12:00:00	539.5	1898.9	193.0	2091.9	Shut-in
05/27/15	13:00:00	539.5	1899.2	193.0	2092.2	Shut-in
05/27/15	14:00:00	539.5	1899.4	193.0	2092.4	Shut-in
05/27/15	15:00:00	539.5	1899.6	193.0	2092.6	Shut-in
05/27/15	16:00:00	539.5	1899.8	193.0	2092.8	Shut-in
05/27/15	17:00:00	539.5	1899.9	193.0	2092.9	Shut-in
05/27/15	18:00:00	539.5	1900.0	193.0	2093.0	Shut-in
05/27/15	19:00:00	539.8	1900.1	193.0	2093.1	Shut-in
05/27/15	20:00:00	540.3	1900.2	193.0	2093.2	Shut-in
05/27/15	21:00:00	540.8	1900.2	193.0	2093.2	Shut-in
05/27/15	22:00:00	541.3	1900.2	193.0	2093.2	Shut-in
05/27/15	23:00:00	541.8	1900.3	193.0	2093.3	Shut-in
05/28/15	00:00:00	542.3	1900.4	193.0	2093.4	Shut-in
05/28/15	01:00:00	542.7	1900.5	193.0	2093.5	Shut-in
05/28/15	02:00:00	543.2	1900.7	193.0	2093.7	Shut-in
05/28/15	03:00:00	543.7	1900.8	193.0	2093.8	Shut-in
05/28/15	04:00:00	544.2	1900.9	193.0	2093.9	Shut-in
05/28/15	05:00:00	544.7	1901.0	193.0	2094.0	Shut-in
05/28/15	06:00:00	545.2	1901.2	193.0	2094.2	Shut-in
05/28/15	07:00:00	545.7	1901.3	193.0	2094.3	Shut-in
05/28/15	08:00:00	546.2	1901.6	193.0	2094.6	Shut-in
05/28/15	09:00:00	546.7	1901.9	193.0	2094.9	Shut-in
05/28/15	10:00:00	547.1	1902.1	193.0	2095.1	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/28/15	11:00:00	547.6	1902.3	193.0	2095.3	Shut-in
05/28/15	12:00:00	547.9	1902.5	193.0	2095.5	Shut-in
05/28/15	13:00:00	547.9	1902.7	193.0	2095.7	Shut-in
05/28/15	14:00:00	547.9	1902.9	193.0	2095.9	Shut-in
05/28/15	15:00:00	547.9	1903.1	193.0	2096.1	Shut-in
05/28/15	16:00:00	547.9	1903.2	193.0	2096.2	Shut-in
05/28/15	17:00:00	547.9	1903.5	193.0	2096.5	Shut-in
05/28/15	18:00:00	547.9	1903.7	193.0	2096.7	Shut-in
05/28/15	19:00:00	548.3	1903.8	193.0	2096.8	Shut-in
05/28/15	20:00:00	548.8	1903.8	193.0	2096.8	Shut-in
05/28/15	21:00:00	549.3	1903.8	193.0	2096.8	Shut-in
05/28/15	22:00:00	549.8	1903.8	193.0	2096.8	Shut-in
05/28/15	23:00:00	550.2	1903.8	193.0	2096.8	Shut-in
05/29/15	00:00:00	550.7	1904.0	193.0	2097.0	Shut-in
05/29/15	01:00:00	551.2	1904.1	193.0	2097.1	Shut-in
05/29/15	02:00:00	551.7	1904.2	193.0	2097.2	Shut-in
05/29/15	03:00:00	552.2	1904.3	193.0	2097.3	Shut-in
05/29/15	04:00:00	552.7	1904.5	193.0	2097.5	Shut-in
05/29/15	05:00:00	553.2	1904.6	193.0	2097.6	Shut-in
05/29/15	06:00:00	553.6	1904.7	193.0	2097.7	Shut-in
05/29/15	07:00:00	554.1	1904.9	193.0	2097.9	Shut-in
05/29/15	08:00:00	554.6	1905.1	193.0	2098.1	Shut-in
05/29/15	09:00:00	555.1	1905.4	193.0	2098.4	Shut-in
05/29/15	10:00:00	555.6	1905.6	193.0	2098.6	Shut-in
05/29/15	11:00:00	556.1	1905.9	193.0	2098.9	Shut-in
05/29/15	12:00:00	556.4	1906.1	193.0	2099.1	Shut-in
05/29/15	13:00:00	556.4	1906.3	193.0	2099.3	Shut-in
05/29/15	14:00:00	556.4	1906.5	193.0	2099.5	Shut-in
05/29/15	15:00:00	556.4	1906.7	193.0	2099.7	Shut-in
05/29/15	16:00:00	556.4	1906.9	193.0	2099.9	Shut-in
05/29/15	17:00:00	556.4	1907.1	193.0	2100.1	Shut-in
05/29/15	18:00:00	556.4	1907.2	193.0	2100.2	Shut-in
05/29/15	19:00:00	556.7	1907.3	193.0	2100.3	Shut-in
05/29/15	20:00:00	557.2	1907.4	193.0	2100.4	Shut-in
05/29/15	21:00:00	557.7	1907.4	193.0	2100.4	Shut-in
05/29/15	22:00:00	558.2	1907.3	193.0	2100.3	Shut-in
05/29/15	23:00:00	558.6	1907.4	193.0	2100.4	Shut-in
05/30/15	00:00:00	559.1	1907.5	193.0	2100.5	Shut-in
05/30/15	01:00:00	559.6	1907.6	193.0	2100.6	Shut-in
05/30/15	02:00:00	560.1	1907.7	193.0	2100.7	Shut-in
05/30/15	03:00:00	560.1	1907.8	193.0	2100.8	Shut-in
05/30/15	04:00:00	560.1	1907.9	193.0	2100.9	Shut-in
05/30/15	05:00:00	560.1	1908.1	193.0	2101.1	Shut-in
05/30/15	06:00:00	560.1	1908.2	193.0	2101.2	Shut-in
05/30/15	07:00:00	560.1	1908.4	193.0	2101.4	Shut-in
05/30/15	08:00:00	560.1	1908.6	193.0	2101.6	Shut-in
05/30/15	09:00:00	560.1	1908.8	193.0	2101.8	Shut-in
05/30/15	10:00:00	560.1	1909.0	193.0	2102.0	Shut-in
05/30/15	11:00:00	560.1	1909.1	193.0	2102.1	Shut-in
05/30/15	12:00:00	559.8	1909.2	193.0	2102.2	Shut-in
05/30/15	13:00:00	559.8	1909.3	193.0	2102.3	Shut-in
05/30/15	14:00:00	559.4	1909.4	193.0	2102.4	Shut-in
05/30/15	15:00:00	559.4	1909.4	193.0	2102.4	Shut-in
05/30/15	16:00:00	558.6	1909.5	193.0	2102.5	Shut-in
05/30/15	17:00:00	558.6	1909.5	193.0	2102.5	Shut-in
05/30/15	18:00:00	557.3	1909.5	193.0	2102.5	Shut-in
05/30/15	19:00:00	557.3	1909.4	193.0	2102.4	Shut-in
05/30/15	20:00:00	556.7	1909.4	193.0	2102.4	Shut-in
05/30/15	21:00:00	555.2	1909.2	193.0	2102.2	Shut-in
05/30/15	22:00:00	553.9	1908.9	193.0	2101.9	Shut-in
05/30/15	23:00:00	552.6	1908.8	193.0	2101.8	Shut-in
05/31/15	00:00:00	551.4	1908.7	193.0	2101.7	Shut-in
05/31/15	01:00:00	550.1	1908.5	193.0	2101.5	Shut-in
05/31/15	02:00:00	548.8	1908.3	193.0	2101.3	Shut-in
05/31/15	03:00:00	547.6	1908.1	193.0	2101.1	Shut-in
05/31/15	04:00:00	546.3	1907.8	193.0	2100.8	Shut-in
05/31/15	05:00:00	545.1	1907.5	193.0	2100.5	Shut-in
05/31/15	06:00:00	543.8	1907.1	193.0	2100.1	Shut-in
05/31/15	07:00:00	542.5	1906.7	193.0	2099.7	Shut-in
05/31/15	08:00:00	541.3	1906.4	193.0	2099.4	Shut-in
05/31/15	09:00:00	540.0	1906.0	193.0	2099.0	Shut-in
05/31/15	10:00:00	538.8	1905.6	193.0	2098.6	Shut-in
05/31/15	11:00:00	537.5	1905.0	193.0	2098.0	Shut-in
05/31/15	12:00:00	536.3	1904.5	193.0	2097.5	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/31/15	13:00:00	535.0	1904.0	193.0	2097.0	Shut-in
05/31/15	14:00:00	533.8	1903.4	193.0	2096.4	Shut-in
05/31/15	15:00:00	532.6	1902.7	193.0	2095.7	Shut-in
05/31/15	16:00:00	531.3	1902.1	193.0	2095.1	Shut-in
05/31/15	17:00:00	530.1	1901.4	193.0	2094.4	Shut-in
05/31/15	18:00:00	528.9	1900.8	193.0	2093.8	Shut-in
05/31/15	19:00:00	527.6	1900.2	193.0	2093.2	Shut-in
05/31/15	20:00:00	526.4	1899.4	193.0	2092.4	Shut-in
05/31/15	21:00:00	525.1	1898.6	193.0	2091.6	Shut-in
05/31/15	22:00:00	523.9	1897.8	193.0	2090.8	Shut-in
05/31/15	23:00:00	522.7	1897.0	193.0	2090.0	Shut-in
06/01/15	00:00:00	521.5	1896.3	193.0	2089.3	Shut-in

Monthly Statistics

February Average:	1695.5	193.0	1888.5
February Minimum:	1620.6	193.0	1813.6
February Maximum:	1734.5	193.0	1927.5
March Average:	1754.8	193.0	1947.8
March Minimum:	1646.4	193.0	1839.4
March Maximum:	1811.3	193.0	2004.3
April Average:	1841.0	193.0	2034.0
April Minimum:	1757.1	193.0	1950.1
April Maximum:	1891.3	193.0	2084.3
May Average:	1886.9	193.0	2079.9
May Minimum:	1863.0	193.0	2056.0
May Maximum:	1936.4	193.0	2129.4

Notes:

1) Recorded tubing pressure and calculated bottom hole pressure data are missing beginning on 2/18/15 at 02:00:00 hours and ending on 2/20/15 at 15:00:00 hours because data were not recorded during this time due to a dead battery in the data recorder.
2) Recorded tubing pressure and calculated bottom hole pressure data are missing on 3/08/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
3) Recorded tubing pressure and calculated bottom hole pressure data are missing beginning on 3/16/15 from 19:00:00 hours to 20:00:00 hours because maintenance was being performed on the recording unit (batteries were replaced).
4) Recorded tubing pressure and calculated bottom hole pressure data are missing beginning on 4/16/15 at 09:00:00 hours and ending on 4/20/15 at 15:00:00 hours because the recording unit was not in service due to operator error.

ATTACHMENT 4

Falloff Test Report – May 1 - 3, 2015

Energy Procurement
Renewable Energy
Development
245 Market Street, Room 1344
San Francisco, CA 94105-1702

Mailing Address
Mail Code N13W
P. O. Box 770000
San Francisco, CA 94177-0001

June 2, 2015

Ms. Michele Dermer
EPA Region 9, WTR-9
75 Hawthorne St.
San Francisco, CA 94105

Subject: Submittal of Falloff Test Report
Third Compression Test Falloff Test Conducted on May 1-3, 2015
PG&E Test Injection/Withdrawal Well 1
Permit No. R9UIC-CA5-FY13-1
King Island, San Joaquin County, California

Dear Ms. Dermer:

This submittal complies with Part II.B.3.c(i,ii) of EPA Permit No. R9UIC-CA5-FY13-1 for the PG&E Test Injection/Withdrawal (I/W) Well 1. The submittal includes a report presenting the results and interpretation of the third falloff test (FOT) conducted in the I/W well on May 1-3, 2015. Per the EPA's requests in letters to PG&E dated April 6 and April 17, 2015, the FOT report includes a full discussion of FOT results and the conclusions reached based on analysis of the FOT results.

The Falloff Test Report is enclosed as one hard copy and as a PDF in a data CD. The digital data are also provided on the data CD. The documents and digital data have also been uploaded to PG&E's Dropbox account, which can be accessed at the following link:

https://www.dropbox.com/sh/mf2qnl5v016e78f/AABIm-gfjIKWPpVCKe7hUgA6a?dl=0

If you have any questions regarding this submittal or require additional information, please feel free to contact me at (415) 973-6270.

Sincerely,

Mike Medeiros
Manager, Renewable Energy Development

Cc: Mr. James Walker, EPA Consultant
Mr. Michael Woods, Division of Oil, Gas and Geothermal Resources
Ms. Anne L. Olson, Central Valley Regional Water Quality Control Board

Enclosures: (1) May 1-3 Falloff Test Report (hardcopy)
(3) Data CD including:

- May 1-3 Falloff Test Report and digital data

U.S. EPA Region 9
Underground Injection Control Program

FALLOFF TEST REPORT

PG&E TEST INJECTION WITHDRAWAL WELL 1
KING ISLAND GAS FIELD
SAN JOAQUIN COUNTY, CA

Falloff Test Date: May 1 - 3, 2015

PACIFIC GAS & ELECTRIC COMPANY

UIC Permit No. R9UIC-CA5-FY13-1

June 2, 2015

Prepared by:

MHA Petroleum Consultants
4700 Stockdale Highway, Suite 110
Bakersfield, CA 93309

Falloff Test Report
PG&E Test Injection Withdrawal Well 1
King Island Field, San Joaquin County, CA
Test Date: May 1 – 3, 2015

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2. **Falloff Test Summary** 1
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5. **Static Formation Pressure** 3
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Falloff Test Report
PG&E Test Injection Withdrawal Well 1
King Island Field, San Joaquin County, CA
Test Date: May 1 - 3, 2015

LIST OF EXHIBITS

EXHIBIT NO.	DESCRIPTION
1	Platform Express Open Hole Log
2	Static Reservoir Pressure versus Cumulative ‘Air’ Injection
3	Well Completion Diagram
4	Well Location Map
5	Event Log
6	Gas Injection Rates Prior to Falloff Test
7	Gas Injection Flow Rate and Net Injection Volume Plot
8	Pressure Production Summary (Filtered Dataset)
9	Gas Well Test - Falloff Radial Flow Analysis
10	Diagnostic Analysis Plot Falloff Test History
11	Diagnostic Analysis Plot Typecurve
12	Diagnostic Analysis Plot Radial Horner
13	Test Simulation Composite Model
14	Gas Model Test Simulation Composite Analysis Results
15	Test Simulation Composite Model History
16	Test Simulation Composite Model Typecurve
17	Test Simulation Composite Model Radial
APPENDIX	Digital Data

Falloff Test Report
PG&E Test Injection Withdrawal Well 1
King Island Field, San Joaquin County, CA
Test Date: May 1- 3, 2015

1. BACKGROUND

The PG&E Test Injection/Withdrawal Well 1 (I/W Well 1) is being operated as a Class V experimental compressed air energy storage (CAES) injection well. Oxygen-depleted air ('air') is being injected into a depleted natural gas reservoir in the Mokelumne River Formation (MRF) in the King Island Gas Field. The purpose of the injection is to build an 'air' bubble as part of a Compression Testing Program. During and after the bubble build period, a series of injection, shut-in, and withdrawal tests will be conducted to investigate the reservoir's performance for a CAES application. To determine and monitor formation characteristics, fall-off testing is being conducted as part of the bubble-building, equilibrium and injection/withdrawal phases of the CTP.

2. FALLOFF TEST SUMMARY

The I/W Well 1 was shut-in at 11:30:00 on May 1, 2015 to conduct a pressure falloff test for the purpose of obtaining current reservoir pressure and transmissibility data. This is the third falloff test performed after the initiation of 'air' injection on February 14, 2015 and it was conducted at the end of the bubble-building process. Prior to the start of the FOT shut-in period, a total of 483.97 million standard cubic feet (mmscf) of 'air' had been injected into I/W Well 1 (the planned bubble size is 498 mmscf). The stabilized injection rate prior to shut-in was 9.57 mmscf per day. The oxygen content of the injected 'air' is less than 5 percent.

Pressure data were recorded by a bottomhole electronic gauge with surface readout capability. The gauge is located inside the tubing at a measured depth (KB) of 4,610 feet, or 4,565 feet true vertical depth (TVD). The fall-off test ended at 11:39:26 on May 3, 2015. There are two nearby offset wells, Piacentine 1-27 and Piacentine 2-27. Both offset wells were shut-in during this FOT.

3. FALLOFF TEST ANALYSIS AND RESULTS

The falloff test pressure transient data were analyzed to obtain operational information, static reservoir pressure and the estimated formation parameters requested by EPA. The pressure transient data were input into a commercial well test software program (IHS *Welltest*) to make the necessary pressure graphs and diagnostic analysis.

A summary of the FOT results is given in the following table. The complete test results and analysis plots are presented in the Falloff Test Report Information section below and depicted in **EXHIBITS 1-17**.

Well Name	I/W Well 1
Test Date	01May2015
Test Type	Injection / Falloff
Flow Capacity (kh)	20,237 millidarcy-feet
Effective Thickness (h)	80 feet
Effective Permeability (k)	253.0 millidarcies (md)
Total Skin Factor	-1.40
p* @ Gauge Depth	2,125 psia @ 4,565' TVD
p* @ Top Completion	2,132 psia @ 4,665' TVD

The effective thickness (80 feet) for this test is estimated to be the height of the 'air' bubble around I/W Well 1. The bubble height is assumed to include the completion interval from 4,716 – 4,814 ft. MD (60 net feet) plus another 20 feet of the net permeable MRF formation down to the original gas-water contact (GWC) at 4,837 ft. MD (see **EXHIBIT 1**). The net permeable sand within the completion interval is 60 feet based on the petrophysical analysis of the open hole wireline logs.

The 'air' injection was initiated into the MRF at 13:30:00 on February 14, 2015. As of the date of the FOT, the cumulative 'air' injection was 483.97 mmscf. However, the last time I/W Well 1 was shut-in and the reservoir pressure nearly stabilized was on April 24, 2015 (**EXHIBIT 6, Page 4** and **EXHIBIT 7**). The actual injection time between 3-25-2015 and 4-1-2015 (t_p = 165.7 hours) is used in the pressure transient analysis calculations. During this 166-hour period, the average injection flow rate was 9.57 mmscfd and a total of 66.1 mmscf of 'air' was injected into the well.

The log-log diagnostic plot for this FOT (**EXHIBIT 11**) exhibited a unique pressure derivative behavior (after the infinite acting radial period) which is interpreted to be characteristic of a radial discontinuity. A radial discontinuity is a change in permeability-thickness, viscosity, and/or porosity-compressibility that occurs at a given radius from a well. This behavior of the pressure derivative was also demonstrated on the two previous falloff tests.

Radial discontinuities are almost always associated with fluid injection. In this case, the injected 'air' bubble is distributed radially around the I/W wellbore and the air/water interface appears as a radial discontinuity. The 'air' zone exhibits a relative permeability to gas, gas viscosity, and gas compressibility. The water zone has a relative permeability to water (considering trapped gas), water viscosity and water compressibility. The relative permeability to gas may not equal the relative permeability to water; however, both viscosity and compressibility are significantly different for air

versus water. The result is a change in diffusivity (porosity*compressibility/h) and transmissibility (kh/μ) between the two zones which is seen in the current FOT pressure transient behavior.

To estimate the distance to the radial discontinuity or extent of the 'air' bubble, a test simulation was made with the Welltest software using the calculated diagnostic analysis results and a vertical well radial composite model. The results of the simulated test are discussed and presented in Section 6, Item 21 below, and depicted in **EXHIBITS 13-17**. A very good match of the pressure data was achieved for an effective permeability to 'air' of 253 md and an air/water interface located about 307 feet from the wellbore.

4. COMPARISON TO PREVIOUS FALLOFF TESTS

The current FOT results are compared to previous FOT results in the table below.

Comparison to Previous FOT Results						
Falloff Test Date	**Final Rate**	**Fluid Injectate**	**Estimated Effective Permeability md**	**Effective Thickness Feet**	**Flow Capacity kh, md-ft**	**Skin Factor**
10-28-2014	-15,840 bbl/day	KCL Water	140.0	31	4,340	+0.62
2-17-2015	-2.10 mmscfd	Oxygen-Depleted Air	90.5	60	5,431	-1.45
4-1-2015	-8.52 mmscfd	Oxygen-Depleted Air	238.1	80	19,050	-1.41
5-1-2015	-9.57 mmscfd	Oxygen-Depleted Air	253.0	80	20,237	-1.40

The estimated permeability from the current FOT (253 md) is approximately the same as the previous FOT permeability (238 md). It was expected to be higher than the previous test because the 'air' bubble has increased in size and radial distance from the wellbore and the formation permeability is known to increase away from the well based on core data in the offset Piacentine 2-27 well. The calculated negative skin factor (-1.4) is equal to the negative skin factor determined from the previous two FOT's in February and April, 2015. The negative skin is interpreted to indicate a stimulated wellbore condition caused by the large wellbore diameter (17 inches) and the benefits of an acid stimulation treatment conducted on 11-26-2014.

5. STATIC FORMATION PRESSURE

The gauge pressure at the end of the FOT was 2,137.0 psia but this is not the static reservoir pressure because the bottomhole pressure was still falling. Using the Horner plot (**EXHIBIT 12**), an extrapolation of the pressure falloff trend was made to a

theoretical static pressure (p*) of 2,125 psia. By comparison, the previous extrapolated p* pressure from the 4-1-2015 FOT was 2,025 psia. The reservoir pressure has increased 100 psi since 4-1-2015 and 238 psi since the start of injection on 2-14-2015. The extrapolated p* pressure is corrected to the top of MRF datum at 4,671' to get a current static reservoir pressure of 2,132 psia.

The table below summarizes the static formation pressure history for the MRF.

MRF Zone Static Formation Pressure History				
Test Date	**Well**	**Cum Air Injection Mmscf**	**Static Pressure @ TVD psia**	**Comments**
10-07-1985	Moresco Unit A-1	0.0	2,050 @ 4,671'	Discovery 0.439 psi/ft
2-12-2014	Piacentine 1-27	0.0	1,883 @ 4,674'	Static Pressure Hang
10-18-2014	I/W Well 1	0.0	1,895 @ 4,673' 1,894 @ 4,671'	Halliburton RDT tool 0.42 psi/ft correction
10-28-2014	I/W Well 1	0.0	1,992 @ 4,671'	SRT/FOT (supercharge)
2-14-2015	I/W Well 1	0.0	1,887 @ 4,565' 1,893 @ 4,671'	Pre-injection BHP 0.059 psi/ft correction[1]
2-17-2015	I/W Well 1	5.0	1,889 @ 4,565' 1,895 @ 4,671'	p* from FOT 0.059 psi/ft correction[1]
4-1-2015	I/W Well 1	245.7	2,025 @ 4,565' 2,031 @ 4,671'	p* from FOT 0.064 psi/ft correction[1]
5-1-2015	I/W Well 1	484.0	2,125 @ 4,565' 2,132 @ 4,671'	p* from FOT 0.066 psi/ft correction[1]
[1] Gas gradient for oxygen-depleted air at temperature/pressure conditions (see Section 6, Item 19 below)				

A graphic plot of static reservoir pressure versus cumulative injection over time as specified in Part II.B.3.c (ii) of the Permit is provided as **EXHIBIT 2**.

6. FALLOFF TEST INFORMATION REPORT

The information to be provided pursuant to Region 9 FOT Report Requirements found in Appendix E (Section 4.0) of the Permit are discussed below and presented in the referenced exhibits.

1. Company: Pacific Gas & Electric Company
   77 Beale Street
   San Francisco, California 94105

2. Well/Location: Test Injection/Withdrawal Well 1
   King Island Gas Field, San Joaquin County, CA
   Section 27, T3N, R5E, MDB&M

3. Facility Contact: Mike Medeiros
PG&E Manager Renewable Energy Development
Phone 415-973-6270

4. Openhole Log: See Platform Express log presented by **EXHIBIT 1**.

5. Well Schematic: A wellbore diagram is given by **EXHIBIT 3**.

6. Fill Depth/Date: The completion method is a gravel-packed liner. There was no known fill in the wellbore for the test.

7. Offset Well Information: There are two offset wells, Piacentine 1-27 and Piacentine 2-27, whose bottomhole locations are 180 feet and 360 feet, respectively to the southwest of the I/W Well 1. Only the Piacentine 1-27 well is completed in the same MRF interval as the I/W well. The Piacentine 2-27 is not completed in any zone at this time. **EXHIBIT 4** shows the locations of these two wells with respect to the test well.

8. Daily Testing Activity: See event log in **EXHIBIT 5**.

9. Raw Electronic Data: The raw digital bottomhole pressure dataset is included with the **APPENDIX**.

10. Injection Rate Summary: See **EXHIBIT 6** for the injection rates preceding the FOT. A rate vs. time plot of the injection flow data is presented by **EXHIBIT 7**. The rate information is submitted electronically in the **APPENDIX**.

11. Offset Well Injection Rates: The offset well, Piacentine 1-27, was shut-in prior to and during the FOT.

12. Analyzed Falloff Data: The filtered pressure transient data analyzed in this report are listed in **EXHIBIT 8**.

13. Pressure/Temperature Gauge Information:

<u>Bottomhole Gauge</u>
Type: Spartek Systems Quartz SPSRO Gauge
Calibration Date: 10-16-2014
Pressure Rating – 0 to 10,000 psi
Pressure Accuracy – 0.02 percent full scale
Pressure Resolution – 0.00006 percent full scale

Drift – Less than 0.02 percent full scale/year
Temperature Accuracy – 0.25 deg C (0.45 deg F)
Temp Resolution – <0.005 deg C (<0.009 deg F)

14. General Test Information:

Test Date – May 1-3, 2015
Shut-in Time – 11:30:00 5/01/2015
Shut-in Location – Wellhead
Final Surface Pressure @ Shut-in – 1,879 psia
Final Surface Temperature @ Shut-in – 91.7 deg. F

15. Reservoir Parameters:

See **EXHIBIT 9**
Gas ('air') viscosity – 0.0225 cp
Porosity – 28 percent
Gas compressibility – 4.3597×10^{-4} psi^{-1}
Formation compressibility – 3.1715×10^{-6} psi^{-1}
Total compressibility – 3.0924×10^{-4} psi^{-1}
Gas formation volume factor – 1.382×10^{-3} bbl/scf
Extrapolated pressure (p*) – 2,125 psia
Static formation pressure (@ 4,671') – 2,132 psia
Date formation pressure last stabilized – 4/24/2015
Justified interval thickness – 80 feet

The effective thickness is estimated to be the height of the 'air' bubble at and around I/W Well 1. An average porosity of 28 percent has been determined from petrophysical log analysis.

The reservoir (formation) compressibility of 3.171×10^{-06} psi^{-1} is determined from correlations based on the formation porosity of 28%. The correlation used in this analysis is applicable to sandstones and it was derived from laboratory measurements by Hall and published in the Transactions, AIME (1953) 198, p. 309.

16. Waste Plume:

Total 'air' injection is 483.97 mmscf. The calculated volumetric radius of the air bubble, assuming a bubble height of 80 feet and an 'air' saturation of 70 percent, is:

$r_{air\ bubble} = [(V_{inj\ scf} \cdot Bg_{cuft/scf})/(\pi \cdot h \cdot Sg \cdot \Phi)]^{1/2}$
$r_{air\ bubble} = [(483{,}970{,}000 \cdot 0.00776)/(\pi \cdot 80 \cdot 0.7 \cdot 0.28)]^{1/2}$
$r_{air\ bubble} = 276$ feet

The FOT simulation (discussed in Section 6, item 21) predicts an air/water interface at a radius of 307.2 feet. The volumetric radius of 276 feet is in good agreement with the predicted radius from the FOT simulation. This was also the case for the previous FOT (4-01-2015) conducted after 245.7 mmscf of 'air' injection. The predicted radius from the 4-1-2015 FOT simulation was 215 feet versus a calculated volumetric radius of 202 feet. The bubble height is believed to be constrained between the top of the MRF and the original GWC based on the close agreement of the volumetric and FOT bubble radius calculations for the last two FOTs.

17. Injection Period:

Time of Injection – 24Apr - 1May2015 (165.7 hours)
Injectate – Oxygen-depleted Air
Test Pump – Compressors

18. Falloff Period:

Shut-in Time – 11:30:00 5/01/2015
End of Test Dataset – 11:39:26 5/03/2015
Total Shut-in Time – 48.2 hours
Final BH Shut-in Pressure – 2,137.0 psia
Final BH Shut-in Temperature – 122.1 deg. F
Time well went on vacuum – not applicable

19. Pressure Gradient:

The pressure gradient at the bottomhole gauge is calculated as follows:

Gas gradient = (0.01875 ▪ SG ▪ p) / (z ▪ T)
Gas gradient = (0.01875 ▪ 0.97 ▪ 2137)/(1.006 ▪ [460+122])
Gas gradient = 0.066 psi/ft

20. Calculated Test Data:

The calculated test data for the FOT are presented by **EXHIBIT 9** and summarized below:
Slope of semi-log plot, m = 0.4491×10^6 psi^2/cp/cycle
Transmissibility = 898,870 md-ft/cp
Flow Capacity = 20,237 md-ft
Permeability = 253.0 md
Skin factor, s = -1.40

The test sequence is presented by **EXHIBIT 10**. As discussed above, the late time pressure falloff data (characterized by the increasing pressure derivative on **EXHIBIT 11**) indicate a radial discontinuity away

from the well. This is expected as the injected 'air' had created a large bubble around the wellbore by displacing methane and formation water. To determine the distance to the gas/water interface, a well test simulation was made using the calculated diagnostic analysis results and a radial composite model. The results of the simulated test are discussed in the *Graphs* section below.

21. Graphs:

The Cartesian, log-log, and semi-log plots are presented by **EXHIBITS 10 - 12** for the Diagnostic Analysis. The wellbore storage period (unit slope on log-log diagnostic plot) is very short for the FOT (0.01 hours) and the start of the radial flow regime (flat plateau of pressure derivative function) starts at about 0.12 hours of shut-in time. The start of the radial flow regime is identified on the 'Typecurve' and semi-log Horner plots in **EXHIBITS 11** and **12,** respectively. The radial flow period is used to determine the interval permeability, transmissibility and skin factor. The calculated radius of investigation for this test is 2,573 feet.

The final recorded static formation pressure at the end of the FOT dataset is 2,137.0 psia but the pressure is still decreasing. Using the Horner plot, the trend was extrapolated to a Horner false pressure, p*, of 2,125 psia. This extrapolated pressure is used as an estimate of static reservoir pressure. By comparison, the static reservoir pressure measured just prior to the start of 'air' injection was 1,887 psia.

An analytical radial composite model was created (**EXHIBIT 13**) in the Welltest software program assuming a large 'air' bubble located radially around the wellbore (Zone 1) and a water/residual native gas region located radially beyond the 'air' bubble (Zone 2). Based on the core data obtained in the offsetting Piacentine 2-27 well, KH is assumed to be higher in Zone 2 than Zone 1. The Piacentine 2-27 core analysis showed average relative water permeability values of 448 to 807 md in the correlative reservoir sands.

EXHIBITS 14 – 17 present the results of the FOT Test Simulation. There is a good match between the simulated and actual pressure transient data for a radial discontinuity located 307 feet away from the I/W Well 1 and an increase in permeability-thickness. A good fit of the measured data is obtained for a permeability of 253 md in Zone 1 and a permeability of 550 md in Zone 2. This is same Zone 2 permeability as determined from the previous FOT simulation.

22. Radioactive Tracer Run: Not applicable.

PG&E Test Injection Withdrawal Well 1 - Platform Express Log

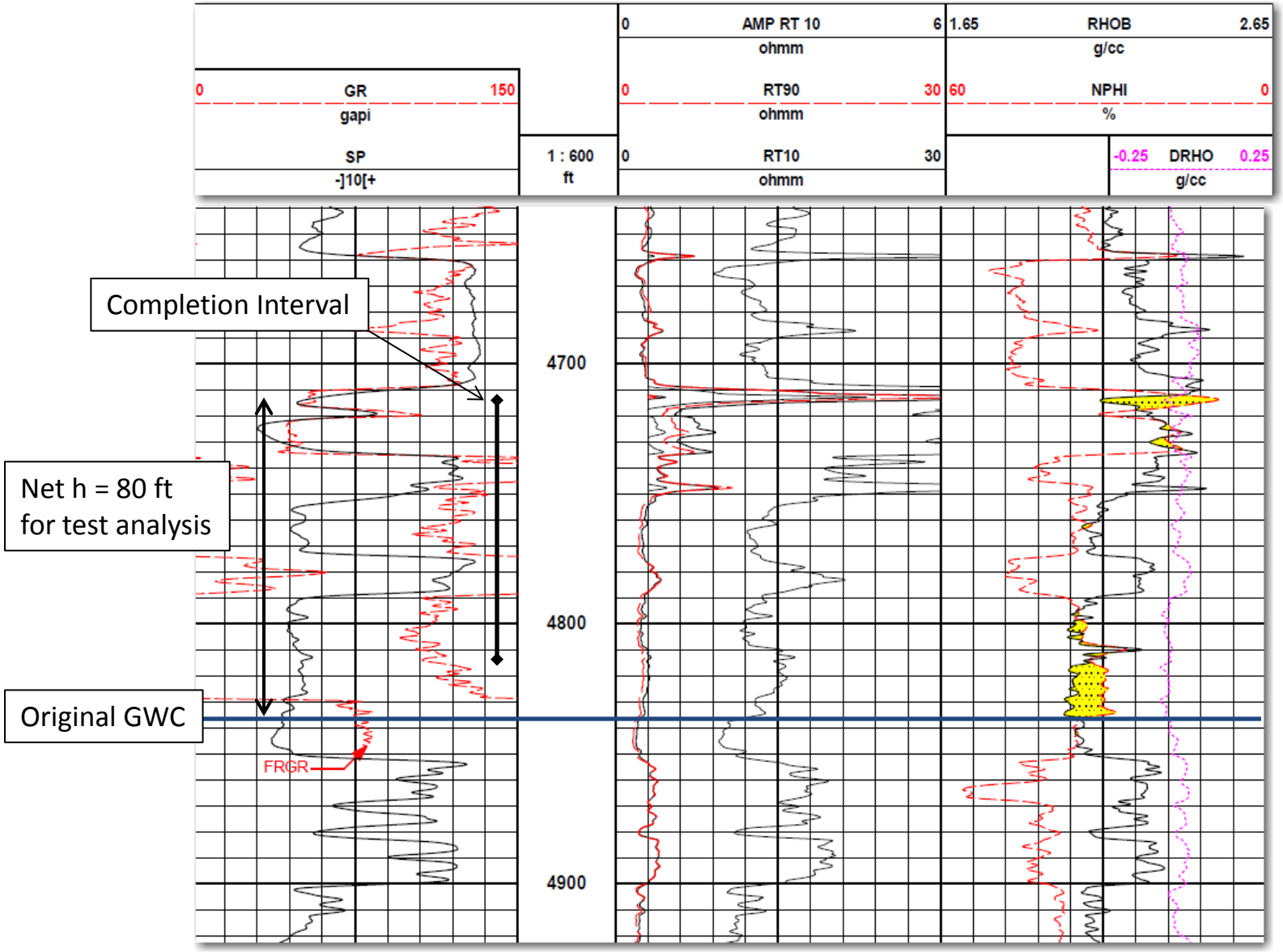


EXHIBIT 1

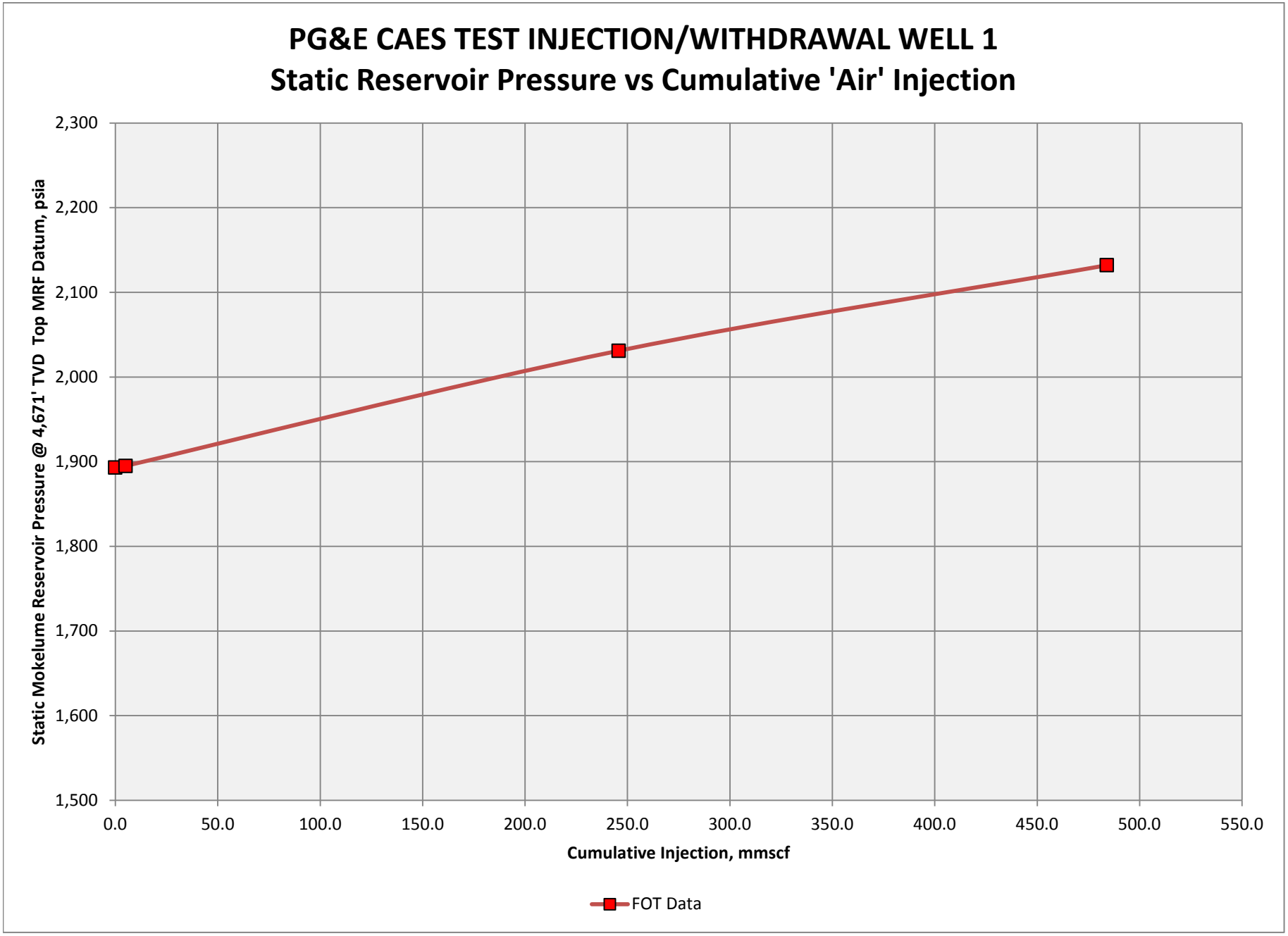
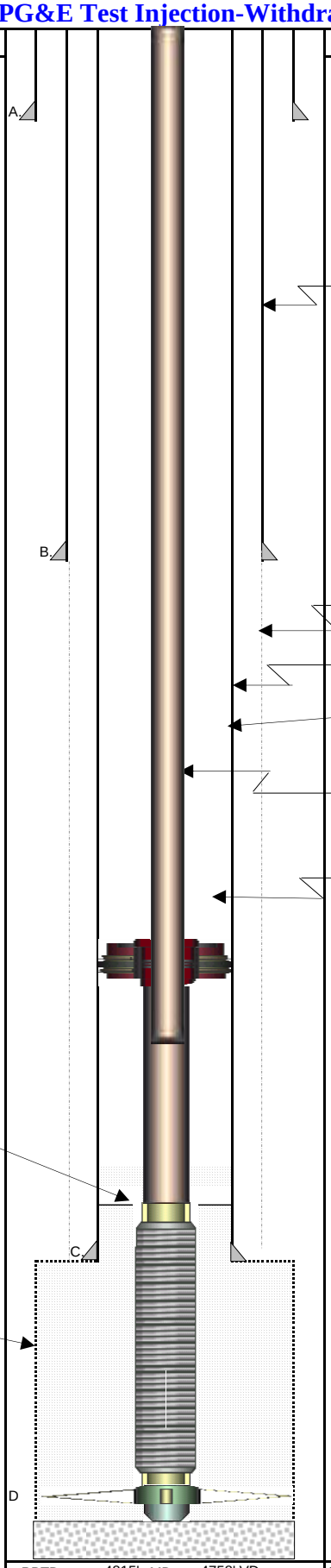

PG&E CAES TEST INJECTION/WITHDRAWAL WELL 1
Static Reservoir Pressure vs Cumulative 'Air' Injection
Static Mokelume Reservoir Pressure @ 4,671' TVD Top MRF Datum, psia
2,300
2,200
2,100
2,000
1,900
1,800
1,700
1,600
1,500
0.0
50.0
100.0
150.0
200.0
250.0
300.0
350.0
400.0
450.0
500.0
550.0
Cumulative Injection, mmscf
FOT Data

EXHIBIT 2

PG&E Test Injection-Withdrawal Well No. 1

COMMENTS



EQUIPMENT DESCRIPTION

20" Casing @ 60' cemented to surface

13-3/8#, 54.5#, J-55 ST&C

13-3/8" Casing @ 630' cemented to Surface

12-1/4" Hole

9-5/8, 40#, J-55 LT&C

Centralizer (typical, see program description)

1. Tubing, 5-1/2", 17#, J-55, LT&C @ 4614'
Including BH pressure gauge . adapter. 1/4" cable is clamped to side of tubing. The annulus is is filled with 4% KCL water with corrosion inhibitor plus biocide. SPSRO down pressure gauge 4610' MD = 4565' VD
2. Baker SC-1 Packer
Top @ 4614' = 4569' VD
3. Upper Extension
4. Sliding Sleeve
5. Seal Bore
6. Lower Extension
7 Blank 5-1/2", 17#, N-80

9-5/8" Casing @ 4,716' MD = 4665' VD
Cemented to surface

8 5-1/2" premium wire wrap screen (6" OD)

9 O-ring seal sub

10 Circ Shoe & Centralizer

11 Bottom of Liner at 4814'MD = 4755' VD

PBTD: 4815' MD 4758' VD

Completed:

File:

#N/A

PG&E
WELL COMPLETION DIAGRAM

FIELD	NA	
WELL #	PG&E Test Injection/Withdrawal Well No. 1	
Ground MSL -(	-3.75	
KB	8.25'	
LOCATION	Sec. 27, T 3N, R 5E, MDB&M	

DIRECTIONAL DATA

MAX ANGLE	20	THRU ZONE	4815'
KOP	3490'	HOLE TYPE	Directional
470:			

SURFACE EQUIPMENT

TREE	5-1/8" 3M
SWAB CAP SIZE & THRD	9" 4P Acme Thread
TOP TREE FLANGE	5-1/8" 3M
TUBING SPOOL FLANGE	11" 3M

TUBING DETAIL

	1st or LS	SS or Btm of Taper
SIZE	5-1/2"	
WEIGHT	17#	
GRADE	J-55	
DEPTH	4614'	
THREAD	LT&C	
NEW/USED	NEW	
COATING	None	
SCSSV	None	
Min. I.D.	4.667"	

	O. D. (in.)	I. D. (in.)	LENGTH (ft)	DESCRIPTION
1.	5-1/2"	4.767"	4614'	5-1/2", 17#, J-55
2.	8.6"	6"	4.56'	Baker SC-1 Packer
3.	7.63"	6.969"	5.99'	7-5/8", 26#.Upper Extension
4.	8.13"	6"	2.12'	Baker Model S Sliding Sleeve
5.	7.63"	6"	1.7'	Baker Seal Bore
6.	7"	6.366"	19.63'	Lower Extension
7.	5.5"	4.892"	38.30'	Blank 5-1/2", 17#, N-80
8.	6"	4.892"	122.68'	51/2" Wire wraped screen
9.	5.5"	3.5"	2.63'	O-ring seal sub
10.	5.5"	N/A	1.9'	shoe
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				

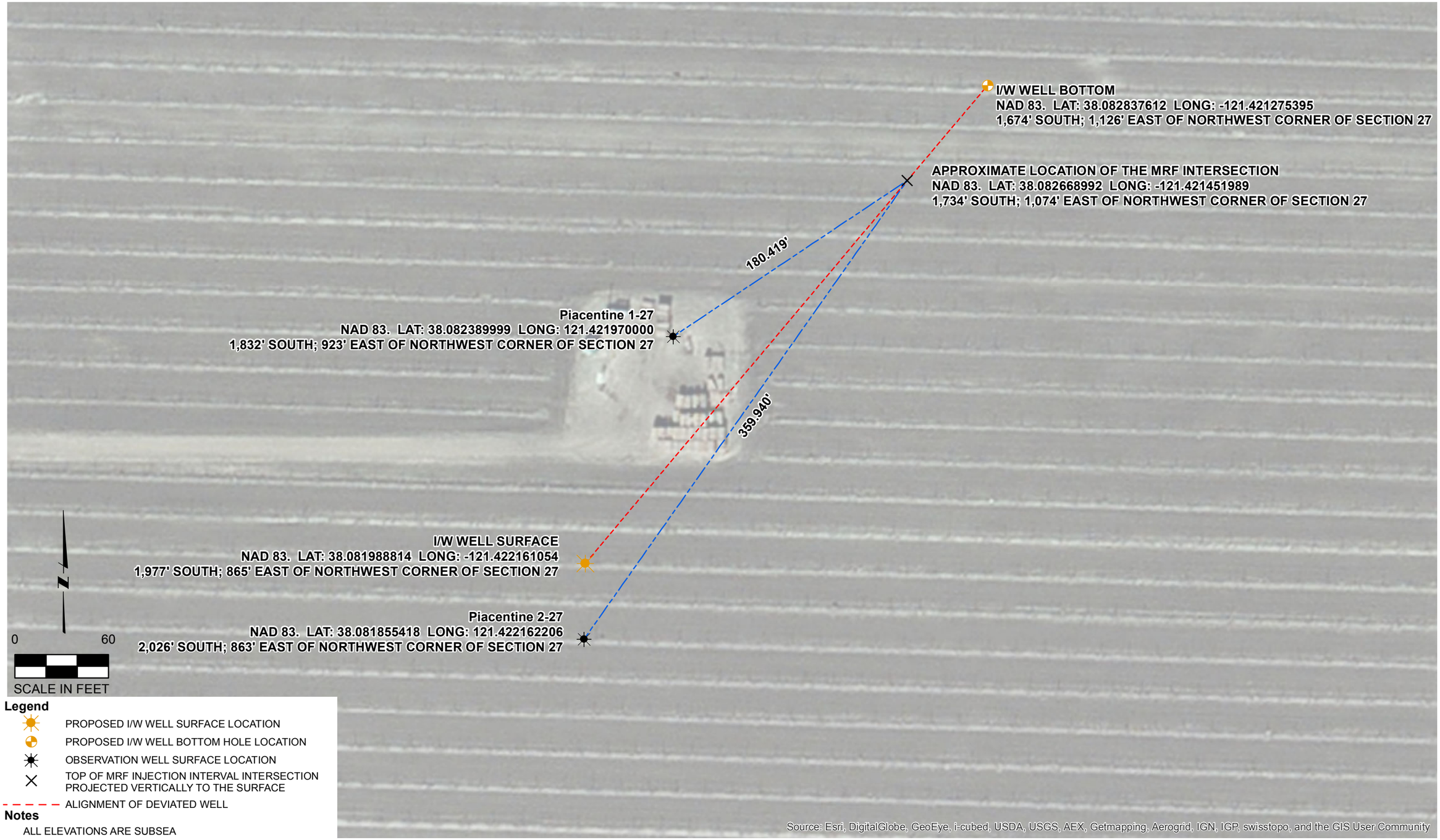
CASING DETAIL

#	SIZE	WGHT	GRADE	THRD	DEPTH
A	20"	53#	NA		0' - 60'
B	13-3/8"	54.5	J-55	LT&C	0' - 630'
C	9-5/8""	40#	J&N	LT&C	0' - 4,716'
D	5-1/2"	17#	N-80	LT&C	4614'-4815'
E	6"	17#	N-80	LT&C	Liner from 4686' to
F					4814'
G					
H					
I					
J					
K					
L					
M					
N					

Prepared By:	Saeed Irani	Date	November 30, 2014
Updated By:	Saeed Irani	Date	November 30, 2014
		Printed on	December 2, 2014

EXHIBIT 3

SECTION 27, TOWNSHIP 3 NORTH, RANGE 5 EAST



Legend

- PROPOSED I/W WELL SURFACE LOCATION
- PROPOSED I/W WELL BOTTOM HOLE LOCATION
- OBSERVATION WELL SURFACE LOCATION
- TOP OF MRF INJECTION INTERVAL INTERSECTION PROJECTED VERTICALLY TO THE SURFACE
- ALIGNMENT OF DEVIATED WELL

Notes

ALL ELEVATIONS ARE SUBSEA

SURFACE AND TOP OF MRF INJECTION INTERVAL COORDINATES ARE THE SAME IN VERTICAL OBSERVATION WELLS

I/W INJECTION/WITHDRAWAL
MRF MOKELUMNE RIVER FORMATION

FIGURE PREPARED BY: JACOBSON, JAMES & ASSOCIATES, INC.

Path: J:\GIS\WP\PGE_CAES\Figure 2 KI Well distances MRF.mxd

Prepared for
PACIFIC GAS AND ELECTRIC COMPANY

PG&E CAES PROJECT
COMPRESSION TESTING I/W WELL UIC APPLICATION
SAN JOAQUIN COUNTY, CALIFORNIA

PROJECT No.	DATE	DRAWN BY	APPR. BY
03.WP.004	09/09/14	DPG	RF

FIGURE 2

I/W AND OBSERVATION WELL COORDINATES SHOWING DISTANCES BETWEEN MRF INJECTION INTERVAL INTERSECTIONS

EXHIBIT 4

EVENT LOG

DATE: 5-1-15	**Time of Shift: 07:00 - 19:00**
BWES Personnel on Shift: **Charles Tyler, Don Wood**	**Generon Personnel on Shift:** **Brennon, Aron, Armondo**

Summary of Events: **07:00 Plant Status: Injection Mode** **Units on Line: Trains - #1) LP1,NPU3,HP3, #2)LP2,NPU1,HP1, #3)LP3,NPU4,HP4, #4)LP4,NPU2,HP2, #5)LP5,NPU5,HP5** **Injection Flow Totalizer- 2717 MSCF** **Withdrawal Flow Totalizer- 0 MSCF** **Yesterday Flow Total- 9459 MSCF** **Wellhead- 1879 PSIA** **Annulus- 174 PSIA 76 deg F** **Injection Line- 1881 PSIA 89 deg F** **Injection Line from compressors- 1882 PSIA 90 deg F 8.5 MMSCFD 5910 SCFM** **Test Separator – 0 PSIG 0% Level** **Down Hole Production Tubing - 2163 PSIG 115 deg F** **O2 Analyzers #1 4.7% #2 4.7%** **07:35 Checked O2 analyzers with I/A** **07:40 Drained I/A compressor of condensate** **08:10 QRAE survey complete – Good – No issues** **11:30 Starting shut down – Generon shutting down HP units 1-5.** **11:32 All HP units down** **11:33 Closed FBV- 001** **11:36 All LP units down** **11:37 Wing valve closed on injection well.** **11:43 Plant Status – Warm up / Standby** **11:47 All fin fan units and NPU units are down** **11:48 O2 analyzers on I/A** **11:55 Sample shack secured. Hydrocarbon analyzers secured.** **12:00 Generon Crew offsite – Will be back Sunday.** **18:30 Injection Flow Total- 4588 MSCF** **Yesterday Flow Total- 9459 MSC**	**Injected for (hh:mm):** **4 Hrs 30 mins** **Withdrew for (hh:mm)** **0 Hrs**

Verify all emergency equipment is functional (i.e. flashlights, etc… other?)	VERIFIED.	
Injection Flow Totalizer (DAS):	Beginning: 2717 MSCF	End: 4588 MSCF
Withdrawal Flow Totalizer (DAS):	Beginning: 0 MSCF	End: 0 MSCF
Yesterday Flow Total (DAS):	Beginning: 9459 MSCF	End: 9459 MSCF
Water Produced Totalizer	Beginning: 0 GALS.	End: 0 GALS.
I/W Annulus N2 Pressure	Beginning: 174 PSIA	End: 181 PSIA
I/W Wellhead Pressure	Beginning: 1879 PSIA	End: 1856 PSIA
Water hauled offsite (gallons):	0 GALS.	

Description of Weather: **54 deg F Sunny 88/52 deg F**
Samples Gathered: None
Issues/Equipment Malfunctions: **>Wellhead: None** **>BOP: None** **>ANIP: None**

PG&E I/W Well 1 - Injection Flow Rate Data preceeding 5-1-2015 Falloff Test

Date	Time	PIT-012 I/W Well Tubing Pressure (PSIA)	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume (MMSCF)	DATE/HOUR	Average Inj Gas Flow Rate for Test Analysis, (MMSCFD)	Tp, hr
04/16/15	00:00:00	1,838	10.13	0.00	361.231	Thu 4/16 0		
04/16/15	01:00:00	1,838	10.21	0.00	361.656	Thu 4/16 1		
04/16/15	02:00:00	1,838	10.18	0.00	362.081	Thu 4/16 2		
04/16/15	03:00:00	1,838	10.17	0.00	362.505	Thu 4/16 3		
04/16/15	04:00:00	1,838	10.22	0.00	362.930	Thu 4/16 4		
04/16/15	05:00:00	1,838	10.24	0.00	363.357	Thu 4/16 5		
04/16/15	06:00:00	1,837	10.23	0.00	363.783	Thu 4/16 6		
04/16/15	07:00:00	1,837	10.22	0.00	364.209	Thu 4/16 7		
04/16/15	08:00:00	1,837	10.19	0.00	364.633	Thu 4/16 8		
04/16/15	09:00:00	1,835	9.52	0.00	365.030	Thu 4/16 9		
04/16/15	10:00:00	1,836	9.58	0.00	365.429	Thu 4/16 10		
04/16/15	11:00:00	1,837	9.60	0.00	365.829	Thu 4/16 11		
04/16/15	12:00:00	1,837	9.55	0.00	366.227	Thu 4/16 12		
04/16/15	13:00:00	1,836	9.08	0.00	366.605	Thu 4/16 13		
04/16/15	14:00:00	1,824	2.13	0.01	366.693	Thu 4/16 14		
04/16/15	15:00:00	1,818	0.00	0.00	366.693	Thu 4/16 15		
04/16/15	16:00:00	1,817	0.00	0.00	366.693	Thu 4/16 16		
04/16/15	17:00:00	1,816	0.00	0.00	366.693	Thu 4/16 17		
04/16/15	18:00:00	1,815	0.00	0.00	366.693	Thu 4/16 18		
04/16/15	19:00:00	1,814	0.00	0.00	366.693	Thu 4/16 19		
04/16/15	20:00:00	1,813	0.00	0.00	366.693	Thu 4/16 20		
04/16/15	21:00:00	1,813	0.00	0.00	366.693	Thu 4/16 21		
04/16/15	22:00:00	1,812	0.00	0.00	366.693	Thu 4/16 22		
04/16/15	23:00:00	1,812	0.00	0.00	366.693	Thu 4/16 23		
04/17/15	00:00:00	1,811	0.00	0.00	366.693	Fri 4/17 0		
04/17/15	01:00:00	1,811	0.00	0.00	366.693	Fri 4/17 1		
04/17/15	02:00:00	1,810	0.00	0.00	366.693	Fri 4/17 2		
04/17/15	03:00:00	1,810	0.00	0.00	366.693	Fri 4/17 3		
04/17/15	04:00:00	1,810	0.00	0.00	366.693	Fri 4/17 4		
04/17/15	05:00:00	1,809	0.00	0.00	366.693	Fri 4/17 5		
04/17/15	06:00:00	1,809	0.00	0.00	366.693	Fri 4/17 6		
04/17/15	07:00:00	1,809	0.00	0.00	366.693	Fri 4/17 7		
04/17/15	08:00:00	1,808	0.00	0.00	366.693	Fri 4/17 8		
04/17/15	09:00:00	1,808	0.00	0.00	366.693	Fri 4/17 9		
04/17/15	10:00:00	1,808	0.00	0.00	366.693	Fri 4/17 10		
04/17/15	11:00:00	1,807	0.00	0.00	366.693	Fri 4/17 11		
04/17/15	12:00:00	1,807	0.00	0.00	366.693	Fri 4/17 12		
04/17/15	13:00:00	1,807	0.00	0.00	366.693	Fri 4/17 13		
04/17/15	14:00:00	1,806	0.00	0.00	366.693	Fri 4/17 14		
04/17/15	15:00:00	1,806	0.00	0.00	366.693	Fri 4/17 15		
04/17/15	16:00:00	1,806	0.00	0.00	366.693	Fri 4/17 16		
04/17/15	17:00:00	1,806	0.00	0.00	366.693	Fri 4/17 17		
04/17/15	18:00:00	1,805	0.00	0.00	366.693	Fri 4/17 18		
04/17/15	19:00:00	1,805	0.00	0.00	366.693	Fri 4/17 19		
04/17/15	20:00:00	1,805	0.00	0.00	366.693	Fri 4/17 20		
04/17/15	21:00:00	1,805	0.00	0.00	366.693	Fri 4/17 21		
04/17/15	22:00:00	1,805	0.00	0.00	366.693	Fri 4/17 22		
04/17/15	23:00:00	1,805	0.00	0.00	366.693	Fri 4/17 23		
04/18/15	00:00:00	1,804	0.00	0.00	366.693	Sat 4/18 0		
04/18/15	01:00:00	1,804	0.00	0.00	366.693	Sat 4/18 1		
04/18/15	02:00:00	1,804	0.00	0.00	366.693	Sat 4/18 2		
04/18/15	03:00:00	1,804	0.00	0.00	366.693	Sat 4/18 3		
04/18/15	04:00:00	1,804	0.28	0.26	366.694	Sat 4/18 4		
04/18/15	05:00:00	1,804	1.01	0.06	366.734	Sat 4/18 5		
04/18/15	06:00:00	1,805	1.89	0.00	366.813	Sat 4/18 6		
04/18/15	07:00:00	1,805	1.88	0.00	366.891	Sat 4/18 7		
04/18/15	08:00:00	1,806	1.88	0.00	366.969	Sat 4/18 8		
04/18/15	09:00:00	1,807	3.62	0.00	367.120	Sat 4/18 9		
04/18/15	10:00:00	1,807	3.62	0.00	367.271	Sat 4/18 10		
04/18/15	11:00:00	1,808	3.62	0.00	367.422	Sat 4/18 11		
04/18/15	12:00:00	1,811	4.86	0.00	367.624	Sat 4/18 12		
04/18/15	13:00:00	1,813	5.48	0.00	367.853	Sat 4/18 13		
04/18/15	14:00:00	1,813	5.53	0.00	368.083	Sat 4/18 14		

EXHIBIT 6

PG&E I/W Well 1 - Injection Flow Rate Data preceeding 5-1-2015 Falloff Test

Date	Time	PIT-012 I/W Well Tubing Pressure (PSIA)	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume (MMSCF)	DATE/HOUR	Average Inj Gas Flow Rate for Test Analysis, (MMSCFD)	Tp, hr
04/18/15	15:00:00	1,814	5.32	0.00	368.305	Sat 4/18 15		
04/18/15	16:00:00	1,816	6.45	0.00	368.574	Sat 4/18 16		
04/18/15	17:00:00	1,820	7.65	0.00	368.892	Sat 4/18 17		
04/18/15	18:00:00	1,821	7.60	0.00	369.209	Sat 4/18 18		
04/18/15	19:00:00	1,822	7.55	0.00	369.524	Sat 4/18 19		
04/18/15	20:00:00	1,822	7.67	0.00	369.843	Sat 4/18 20		
04/18/15	21:00:00	1,823	7.70	0.00	370.164	Sat 4/18 21		
04/18/15	22:00:00	1,823	7.69	0.00	370.485	Sat 4/18 22		
04/18/15	23:00:00	1,823	7.72	0.00	370.806	Sat 4/18 23		
04/19/15	00:00:00	1,824	7.83	0.00	371.132	Sun 4/19 0		
04/19/15	01:00:00	1,825	8.05	0.00	371.468	Sun 4/19 1		
04/19/15	02:00:00	1,825	8.00	0.00	371.801	Sun 4/19 2		
04/19/15	03:00:00	1,825	8.07	0.00	372.137	Sun 4/19 3		
04/19/15	04:00:00	1,825	8.03	0.00	372.472	Sun 4/19 4		
04/19/15	05:00:00	1,825	8.09	0.00	372.809	Sun 4/19 5		
04/19/15	06:00:00	1,825	8.06	0.00	373.145	Sun 4/19 6		
04/19/15	07:00:00	1,825	8.07	0.00	373.481	Sun 4/19 7		
04/19/15	08:00:00	1,825	7.99	0.00	373.814	Sun 4/19 8		
04/19/15	09:00:00	1,825	7.92	0.00	374.144	Sun 4/19 9		
04/19/15	10:00:00	1,826	7.87	0.00	374.472	Sun 4/19 10		
04/19/15	11:00:00	1,826	7.76	0.00	374.795	Sun 4/19 11		
04/19/15	12:00:00	1,827	7.75	0.00	375.118	Sun 4/19 12		
04/19/15	13:00:00	1,827	7.71	0.00	375.439	Sun 4/19 13		
04/19/15	14:00:00	1,828	7.72	0.00	375.761	Sun 4/19 14		
04/19/15	15:00:00	1,828	7.67	0.00	376.081	Sun 4/19 15		
04/19/15	16:00:00	1,829	7.70	0.00	376.401	Sun 4/19 16		
04/19/15	17:00:00	1,829	7.68	0.00	376.721	Sun 4/19 17		
04/19/15	18:00:00	1,829	7.66	0.00	377.041	Sun 4/19 18		
04/19/15	19:00:00	1,830	7.79	0.00	377.365	Sun 4/19 19		
04/19/15	20:00:00	1,830	7.85	0.00	377.692	Sun 4/19 20		
04/19/15	21:00:00	1,830	7.88	0.00	378.021	Sun 4/19 21		
04/19/15	22:00:00	1,830	7.91	0.00	378.350	Sun 4/19 22		
04/19/15	23:00:00	1,831	7.95	0.00	378.682	Sun 4/19 23		
04/20/15	00:00:00	1,831	7.93	0.00	379.012	Mon 4/20 0		
04/20/15	01:00:00	1,831	7.98	0.00	379.345	Mon 4/20 1		
04/20/15	02:00:00	1,831	7.99	0.00	379.678	Mon 4/20 2		
04/20/15	03:00:00	1,831	7.99	0.00	380.011	Mon 4/20 3		
04/20/15	04:00:00	1,830	7.98	0.00	380.343	Mon 4/20 4		
04/20/15	05:00:00	1,830	7.96	0.00	380.674	Mon 4/20 5		
04/20/15	06:00:00	1,830	8.01	0.00	381.008	Mon 4/20 6		
04/20/15	07:00:00	1,830	8.00	0.00	381.342	Mon 4/20 7		
04/20/15	08:00:00	1,831	8.01	0.00	381.675	Mon 4/20 8		
04/20/15	09:00:00	1,830	7.69	0.00	381.996	Mon 4/20 9		
04/20/15	10:00:00	1,830	7.42	0.00	382.305	Mon 4/20 10		
04/20/15	11:00:00	1,830	7.34	0.00	382.610	Mon 4/20 11		
04/20/15	12:00:00	1,824	4.06	0.00	382.779	Mon 4/20 12		
04/20/15	13:00:00	1,829	6.82	0.00	383.063	Mon 4/20 13		
04/20/15	14:00:00	1,837	9.48	0.00	383.459	Mon 4/20 14		
04/20/15	15:00:00	1,837	9.38	0.00	383.849	Mon 4/20 15		
04/20/15	16:00:00	1,838	9.40	0.00	384.241	Mon 4/20 16		
04/20/15	17:00:00	1,839	9.45	0.00	384.635	Mon 4/20 17		
04/20/15	18:00:00	1,839	9.52	0.00	385.031	Mon 4/20 18		
04/20/15	19:00:00	1,840	9.52	0.00	385.428	Mon 4/20 19		
04/20/15	20:00:00	1,840	9.51	0.00	385.824	Mon 4/20 20		
04/20/15	21:00:00	1,840	9.60	0.00	386.224	Mon 4/20 21		
04/20/15	22:00:00	1,840	9.61	0.00	386.624	Mon 4/20 22		
04/20/15	23:00:00	1,841	9.74	0.00	387.030	Mon 4/20 23		
04/21/15	00:00:00	1,841	9.79	0.00	387.438	Tue 4/21 0		
04/21/15	01:00:00	1,837	8.57	0.00	387.795	Tue 4/21 1		
04/21/15	02:00:00	1,835	7.75	0.00	388.118	Tue 4/21 2		
04/21/15	03:00:00	1,834	7.74	0.00	388.440	Tue 4/21 3		
04/21/15	04:00:00	1,838	8.90	0.00	388.811	Tue 4/21 4		
04/21/15	05:00:00	1,841	9.83	0.00	389.221	Tue 4/21 5		

EXHIBIT 6

PG&E I/W Well 1 - Injection Flow Rate Data preceeding 5-1-2015 Falloff Test

Date	Time	PIT-012 I/W Well Tubing Pressure (PSIA)	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume (MMSCF)	DATE/HOUR	Average Inj Gas Flow Rate for Test Analysis, (MMSCFD)	Tp, hr
04/21/15	06:00:00	1,841	9.80	0.00	389.629	Tue 4/21 6		
04/21/15	07:00:00	1,841	9.78	0.00	390.036	Tue 4/21 7		
04/21/15	08:00:00	1,841	9.81	0.00	390.445	Tue 4/21 8		
04/21/15	09:00:00	1,841	9.76	0.00	390.852	Tue 4/21 9		
04/21/15	10:00:00	1,842	9.65	0.00	391.254	Tue 4/21 10		
04/21/15	11:00:00	1,841	9.23	0.00	391.639	Tue 4/21 11		
04/21/15	12:00:00	1,836	7.73	0.00	391.961	Tue 4/21 12		
04/21/15	13:00:00	1,835	6.27	0.55	392.199	Tue 4/21 13		
04/21/15	14:00:00	1,840	9.05	0.01	392.576	Tue 4/21 14		
04/21/15	15:00:00	1,843	9.49	0.00	392.971	Tue 4/21 15		
04/21/15	16:00:00	1,843	9.53	0.00	393.368	Tue 4/21 16		
04/21/15	17:00:00	1,844	9.61	0.00	393.768	Tue 4/21 17		
04/21/15	18:00:00	1,844	9.69	0.00	394.172	Tue 4/21 18		
04/21/15	19:00:00	1,844	9.60	0.00	394.572	Tue 4/21 19		
04/21/15	20:00:00	1,844	9.51	0.00	394.969	Tue 4/21 20		
04/21/15	21:00:00	1,839	7.99	0.00	395.301	Tue 4/21 21		
04/21/15	22:00:00	1,843	9.40	0.00	395.693	Tue 4/21 22		
04/21/15	23:00:00	1,845	9.86	0.00	396.104	Tue 4/21 23		
04/22/15	00:00:00	1,844	9.77	0.00	396.511	Wed 4/22 0		
04/22/15	01:00:00	1,844	9.78	0.00	396.919	Wed 4/22 1		
04/22/15	02:00:00	1,844	9.84	0.00	397.329	Wed 4/22 2		
04/22/15	03:00:00	1,845	9.88	0.00	397.740	Wed 4/22 3		
04/22/15	04:00:00	1,845	9.89	0.00	398.152	Wed 4/22 4		
04/22/15	05:00:00	1,844	9.84	0.00	398.562	Wed 4/22 5		
04/22/15	06:00:00	1,845	9.84	0.00	398.972	Wed 4/22 6		
04/22/15	07:00:00	1,845	9.76	0.00	399.379	Wed 4/22 7		
04/22/15	08:00:00	1,845	9.84	0.00	399.789	Wed 4/22 8		
04/22/15	09:00:00	1,845	9.70	0.00	400.193	Wed 4/22 9		
04/22/15	10:00:00	1,845	9.78	0.00	400.601	Wed 4/22 10		
04/22/15	11:00:00	1,845	9.53	0.00	400.998	Wed 4/22 11		
04/22/15	12:00:00	1,845	9.48	0.00	401.393	Wed 4/22 12		
04/22/15	13:00:00	1,841	7.79	0.00	401.717	Wed 4/22 13		
04/22/15	14:00:00	1,840	7.40	0.00	402.025	Wed 4/22 14		
04/22/15	15:00:00	1,838	6.64	0.00	402.302	Wed 4/22 15		
04/22/15	16:00:00	1,837	5.77	0.00	402.542	Wed 4/22 16		
04/22/15	17:00:00	1,846	9.40	0.00	402.934	Wed 4/22 17		
04/22/15	18:00:00	1,847	9.42	0.00	403.326	Wed 4/22 18		
04/22/15	19:00:00	1,848	9.49	0.00	403.722	Wed 4/22 19		
04/22/15	20:00:00	1,848	9.50	0.00	404.118	Wed 4/22 20		
04/22/15	21:00:00	1,848	9.59	0.00	404.517	Wed 4/22 21		
04/22/15	22:00:00	1,849	9.59	0.00	404.917	Wed 4/22 22		
04/22/15	23:00:00	1,849	9.69	0.00	405.321	Wed 4/22 23		
04/23/15	00:00:00	1,849	9.77	0.00	405.728	Thu 4/23 0		
04/23/15	01:00:00	1,849	9.72	0.00	406.133	Thu 4/23 1		
04/23/15	02:00:00	1,849	9.82	0.00	406.542	Thu 4/23 2		
04/23/15	03:00:00	1,850	9.97	0.00	406.958	Thu 4/23 3		
04/23/15	04:00:00	1,850	9.90	0.00	407.370	Thu 4/23 4		
04/23/15	05:00:00	1,849	9.90	0.00	407.783	Thu 4/23 5		
04/23/15	06:00:00	1,849	9.88	0.00	408.194	Thu 4/23 6		
04/23/15	07:00:00	1,849	9.90	0.00	408.607	Thu 4/23 7		
04/23/15	08:00:00	1,849	9.95	0.00	409.021	Thu 4/23 8		
04/23/15	09:00:00	1,849	9.82	0.00	409.431	Thu 4/23 9		
04/23/15	10:00:00	1,849	9.72	0.00	409.836	Thu 4/23 10		
04/23/15	11:00:00	1,850	9.65	0.00	410.238	Thu 4/23 11		
04/23/15	12:00:00	1,850	9.63	0.00	410.639	Thu 4/23 12		
04/23/15	13:00:00	1,850	9.51	0.00	411.035	Thu 4/23 13		
04/23/15	14:00:00	1,851	9.53	0.00	411.432	Thu 4/23 14		
04/23/15	15:00:00	1,852	9.49	0.00	411.828	Thu 4/23 15		
04/23/15	16:00:00	1,852	9.39	0.00	412.219	Thu 4/23 16		
04/23/15	17:00:00	1,852	9.44	0.00	412.612	Thu 4/23 17		
04/23/15	18:00:00	1,853	9.55	0.00	413.010	Thu 4/23 18		
04/23/15	19:00:00	1,853	9.50	0.00	413.406	Thu 4/23 19		
04/23/15	20:00:00	1,853	9.47	0.00	413.801	Thu 4/23 20		

EXHIBIT 6

PG&E I/W Well 1 - Injection Flow Rate Data preceeding 5-1-2015 Falloff Test

Date	Time	PIT-012 I/W Well Tubing Pressure (PSIA)	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume (MMSCF)	DATE/HOUR	Average Inj Gas Flow Rate for Test Analysis, (MMSCFD)	Tp, hr
04/23/15	21:00:00	1,853	9.60	0.00	414.201	Thu 4/23 21		
04/23/15	22:00:00	1,854	9.71	0.00	414.605	Thu 4/23 22		
04/23/15	23:00:00	1,854	9.85	0.00	415.016	Thu 4/23 23		
04/24/15	00:00:00	1,854	9.80	0.00	415.424	Fri 4/24 0		
04/24/15	01:00:00	1,854	9.66	0.00	415.827	Fri 4/24 1		
04/24/15	02:00:00	1,854	9.74	0.00	416.233	Fri 4/24 2		
04/24/15	03:00:00	1,854	9.76	0.00	416.639	Fri 4/24 3		
04/24/15	04:00:00	1,854	9.86	0.00	417.050	Fri 4/24 4		
04/24/15	05:00:00	1,854	9.85	0.00	417.460	Fri 4/24 5		
04/24/15	06:00:00	1,854	9.81	0.00	417.869	Fri 4/24 6		
04/24/15	07:00:00	1,837	0.20	0.00	417.877	Fri 4/24 7		
04/24/15	08:00:00	1,834	0.00	0.00	417.877	Fri 4/24 8		Previous SI
04/24/15	09:00:00	1,833	0.00	0.00	417.877	Fri 4/24 9		Previous SI
04/24/15	10:00:00	1,833	0.00	0.00	417.877	Fri 4/24 10		Previous SI
04/24/15	11:00:00	1,832	0.00	0.00	417.877	Fri 4/24 11		Previous SI
04/24/15	12:00:00	1,831	0.00	0.00	417.877	Fri 4/24 12		Previous SI
04/24/15	13:00:00	1,831	0.00	0.00	417.877	Fri 4/24 13		Previous SI
04/24/15	14:00:00	1,831	1.42	0.52	417.915	Fri 4/24 14	9.57	0.25
04/24/15	15:00:00	1,842	7.67	0.00	418.235	Fri 4/24 15	9.57	1.25
04/24/15	16:00:00	1,849	9.64	0.00	418.636	Fri 4/24 16	9.57	2.25
04/24/15	17:00:00	1,850	9.58	0.00	419.035	Fri 4/24 17	9.57	3.25
04/24/15	18:00:00	1,850	9.63	0.00	419.437	Fri 4/24 18	9.57	4.25
04/24/15	19:00:00	1,850	9.63	0.00	419.838	Fri 4/24 19	9.57	5.25
04/24/15	20:00:00	1,851	9.60	0.00	420.238	Fri 4/24 20	9.57	6.25
04/24/15	21:00:00	1,851	9.66	0.00	420.640	Fri 4/24 21	9.57	7.25
04/24/15	22:00:00	1,851	9.68	0.00	421.044	Fri 4/24 22	9.57	8.25
04/24/15	23:00:00	1,852	9.70	0.00	421.448	Fri 4/24 23	9.57	9.25
04/25/15	00:00:00	1,852	9.70	0.00	421.852	Sat 4/25 0	9.57	10.25
04/25/15	01:00:00	1,852	9.72	0.00	422.257	Sat 4/25 1	9.57	11.25
04/25/15	02:00:00	1,852	9.71	0.00	422.661	Sat 4/25 2	9.57	12.25
04/25/15	03:00:00	1,852	9.72	0.00	423.066	Sat 4/25 3	9.57	13.25
04/25/15	04:00:00	1,853	9.79	0.00	423.474	Sat 4/25 4	9.57	14.25
04/25/15	05:00:00	1,853	9.76	0.00	423.881	Sat 4/25 5	9.57	15.25
04/25/15	06:00:00	1,853	9.72	0.00	424.286	Sat 4/25 6	9.57	16.25
04/25/15	07:00:00	1,853	9.78	0.00	424.693	Sat 4/25 7	9.57	17.25
04/25/15	08:00:00	1,853	9.70	0.00	425.097	Sat 4/25 8	9.57	18.25
04/25/15	09:00:00	1,854	9.75	0.00	425.504	Sat 4/25 9	9.57	19.25
04/25/15	10:00:00	1,854	9.71	0.00	425.908	Sat 4/25 10	9.57	20.25
04/25/15	11:00:00	1,854	9.63	0.00	426.309	Sat 4/25 11	9.57	21.25
04/25/15	12:00:00	1,855	9.61	0.00	426.710	Sat 4/25 12	9.57	22.25
04/25/15	13:00:00	1,855	9.61	0.00	427.110	Sat 4/25 13	9.57	23.25
04/25/15	14:00:00	1,854	9.15	0.00	427.491	Sat 4/25 14	9.57	24.25
04/25/15	15:00:00	1,854	9.19	0.00	427.874	Sat 4/25 15	9.57	25.25
04/25/15	16:00:00	1,857	9.70	0.00	428.279	Sat 4/25 16	9.57	26.25
04/25/15	17:00:00	1,857	9.70	0.00	428.683	Sat 4/25 17	9.57	27.25
04/25/15	18:00:00	1,857	9.69	0.00	429.086	Sat 4/25 18	9.57	28.25
04/25/15	19:00:00	1,858	9.68	0.00	429.490	Sat 4/25 19	9.57	29.25
04/25/15	20:00:00	1,858	9.70	0.00	429.894	Sat 4/25 20	9.57	30.25
04/25/15	21:00:00	1,858	9.83	0.00	430.303	Sat 4/25 21	9.57	31.25
04/25/15	22:00:00	1,858	9.80	0.00	430.712	Sat 4/25 22	9.57	32.25
04/25/15	23:00:00	1,859	9.88	0.00	431.123	Sat 4/25 23	9.57	33.25
04/26/15	00:00:00	1,859	9.92	0.00	431.537	Sun 4/26 0	9.57	34.25
04/26/15	01:00:00	1,859	9.97	0.00	431.952	Sun 4/26 1	9.57	35.25
04/26/15	02:00:00	1,859	9.93	0.00	432.366	Sun 4/26 2	9.57	36.25
04/26/15	03:00:00	1,859	9.91	0.00	432.779	Sun 4/26 3	9.57	37.25
04/26/15	04:00:00	1,859	9.95	0.00	433.193	Sun 4/26 4	9.57	38.25
04/26/15	05:00:00	1,859	9.99	0.00	433.610	Sun 4/26 5	9.57	39.25
04/26/15	06:00:00	1,859	10.00	0.00	434.026	Sun 4/26 6	9.57	40.25
04/26/15	07:00:00	1,859	9.97	0.00	434.442	Sun 4/26 7	9.57	41.25
04/26/15	08:00:00	1,858	9.87	0.00	434.853	Sun 4/26 8	9.57	42.25
04/26/15	09:00:00	1,858	9.70	0.00	435.257	Sun 4/26 9	9.57	43.25
04/26/15	10:00:00	1,859	9.67	0.00	435.660	Sun 4/26 10	9.57	44.25
04/26/15	11:00:00	1,859	9.59	0.00	436.060	Sun 4/26 11	9.57	45.25

EXHIBIT 6

PG&E I/W Well 1 - Injection Flow Rate Data preceeding 5-1-2015 Falloff Test

Date	Time	PIT-012 I/W Well Tubing Pressure (PSIA)	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume (MMSCF)	DATE/HOUR	Average Inj Gas Flow Rate for Test Analysis, (MMSCFD)	Tp, hr
04/26/15	12:00:00	1,859	9.54	0.00	436.457	Sun 4/26 12	9.57	46.25
04/26/15	13:00:00	1,860	9.63	0.00	436.858	Sun 4/26 13	9.57	47.25
04/26/15	14:00:00	1,860	9.50	0.00	437.254	Sun 4/26 14	9.57	48.25
04/26/15	15:00:00	1,861	9.51	0.00	437.650	Sun 4/26 15	9.57	49.25
04/26/15	16:00:00	1,861	9.50	0.00	438.046	Sun 4/26 16	9.57	50.25
04/26/15	17:00:00	1,862	9.47	0.00	438.441	Sun 4/26 17	9.57	51.25
04/26/15	18:00:00	1,862	9.41	0.00	438.833	Sun 4/26 18	9.57	52.25
04/26/15	19:00:00	1,862	9.43	0.00	439.226	Sun 4/26 19	9.57	53.25
04/26/15	20:00:00	1,862	9.55	0.00	439.624	Sun 4/26 20	9.57	54.25
04/26/15	21:00:00	1,863	9.58	0.00	440.023	Sun 4/26 21	9.57	55.25
04/26/15	22:00:00	1,863	9.68	0.00	440.427	Sun 4/26 22	9.57	56.25
04/26/15	23:00:00	1,863	9.75	0.00	440.833	Sun 4/26 23	9.57	57.25
04/27/15	00:00:00	1,863	9.82	0.00	441.243	Mon 4/27 0	9.57	58.25
04/27/15	01:00:00	1,863	9.76	0.00	441.649	Mon 4/27 1	9.57	59.25
04/27/15	02:00:00	1,863	9.82	0.00	442.059	Mon 4/27 2	9.57	60.25
04/27/15	03:00:00	1,864	9.88	0.00	442.470	Mon 4/27 3	9.57	61.25
04/27/15	04:00:00	1,863	9.83	0.00	442.880	Mon 4/27 4	9.57	62.25
04/27/15	05:00:00	1,863	9.80	0.00	443.288	Mon 4/27 5	9.57	63.25
04/27/15	06:00:00	1,863	9.84	0.00	443.698	Mon 4/27 6	9.57	64.25
04/27/15	07:00:00	1,863	9.82	0.00	444.107	Mon 4/27 7	9.57	65.25
04/27/15	08:00:00	1,863	9.69	0.00	444.511	Mon 4/27 8	9.57	66.25
04/27/15	09:00:00	1,863	9.52	0.00	444.907	Mon 4/27 9	9.57	67.25
04/27/15	10:00:00	1,863	9.58	0.00	445.307	Mon 4/27 10	9.57	68.25
04/27/15	11:00:00	1,864	9.63	0.00	445.708	Mon 4/27 11	9.57	69.25
04/27/15	12:00:00	1,864	9.56	0.00	446.106	Mon 4/27 12	9.57	70.25
04/27/15	13:00:00	1,864	9.49	0.00	446.502	Mon 4/27 13	9.57	71.25
04/27/15	14:00:00	1,864	9.19	0.00	446.885	Mon 4/27 14	9.57	72.25
04/27/15	15:00:00	1,865	9.21	0.00	447.269	Mon 4/27 15	9.57	73.25
04/27/15	16:00:00	1,865	9.19	0.00	447.651	Mon 4/27 16	9.57	74.25
04/27/15	17:00:00	1,866	9.21	0.00	448.035	Mon 4/27 17	9.57	75.25
04/27/15	18:00:00	1,866	9.28	0.00	448.421	Mon 4/27 18	9.57	76.25
04/27/15	19:00:00	1,867	9.27	0.00	448.808	Mon 4/27 19	9.57	77.25
04/27/15	20:00:00	1,867	9.32	0.00	449.196	Mon 4/27 20	9.57	78.25
04/27/15	21:00:00	1,867	9.43	0.00	449.589	Mon 4/27 21	9.57	79.25
04/27/15	22:00:00	1,867	9.45	0.00	449.982	Mon 4/27 22	9.57	80.25
04/27/15	23:00:00	1,868	9.58	0.00	450.382	Mon 4/27 23	9.57	81.25
04/28/15	00:00:00	1,868	9.71	0.00	450.786	Tue 4/28 0	9.57	82.25
04/28/15	01:00:00	1,869	9.79	0.00	451.194	Tue 4/28 1	9.57	83.25
04/28/15	02:00:00	1,868	9.83	0.00	451.603	Tue 4/28 2	9.57	84.25
04/28/15	03:00:00	1,868	9.82	0.00	452.013	Tue 4/28 3	9.57	85.25
04/28/15	04:00:00	1,868	9.83	0.00	452.422	Tue 4/28 4	9.57	86.25
04/28/15	05:00:00	1,868	9.86	0.00	452.833	Tue 4/28 5	9.57	87.25
04/28/15	06:00:00	1,868	9.83	0.00	453.243	Tue 4/28 6	9.57	88.25
04/28/15	07:00:00	1,868	9.85	0.00	453.653	Tue 4/28 7	9.57	89.25
04/28/15	08:00:00	1,868	9.83	0.00	454.062	Tue 4/28 8	9.57	90.25
04/28/15	09:00:00	1,868	9.65	0.00	454.464	Tue 4/28 9	9.57	91.25
04/28/15	10:00:00	1,867	9.49	0.00	454.860	Tue 4/28 10	9.57	92.25
04/28/15	11:00:00	1,868	9.41	0.00	455.252	Tue 4/28 11	9.57	93.25
04/28/15	12:00:00	1,868	9.35	0.00	455.641	Tue 4/28 12	9.57	94.25
04/28/15	13:00:00	1,868	9.32	0.00	456.030	Tue 4/28 13	9.57	95.25
04/28/15	14:00:00	1,869	9.23	0.00	456.414	Tue 4/28 14	9.57	96.25
04/28/15	15:00:00	1,869	9.21	0.00	456.798	Tue 4/28 15	9.57	97.25
04/28/15	16:00:00	1,870	9.13	0.00	457.179	Tue 4/28 16	9.57	98.25
04/28/15	17:00:00	1,870	9.29	0.00	457.566	Tue 4/28 17	9.57	99.25
04/28/15	18:00:00	1,871	9.34	0.00	457.955	Tue 4/28 18	9.57	100.25
04/28/15	19:00:00	1,871	9.33	0.00	458.344	Tue 4/28 19	9.57	101.25
04/28/15	20:00:00	1,871	9.44	0.00	458.737	Tue 4/28 20	9.57	102.25
04/28/15	21:00:00	1,872	9.55	0.00	459.135	Tue 4/28 21	9.57	103.25
04/28/15	22:00:00	1,872	9.67	0.00	459.538	Tue 4/28 22	9.57	104.25
04/28/15	23:00:00	1,872	9.74	0.00	459.944	Tue 4/28 23	9.57	105.25
04/29/15	00:00:00	1,872	9.76	0.00	460.350	Wed 4/29 0	9.57	106.25
04/29/15	01:00:00	1,872	9.89	0.00	460.762	Wed 4/29 1	9.57	107.25
04/29/15	02:00:00	1,872	9.90	0.00	461.175	Wed 4/29 2	9.57	108.25

EXHIBIT 6

PG&E I/W Well 1 - Injection Flow Rate Data preceeding 5-1-2015 Falloff Test

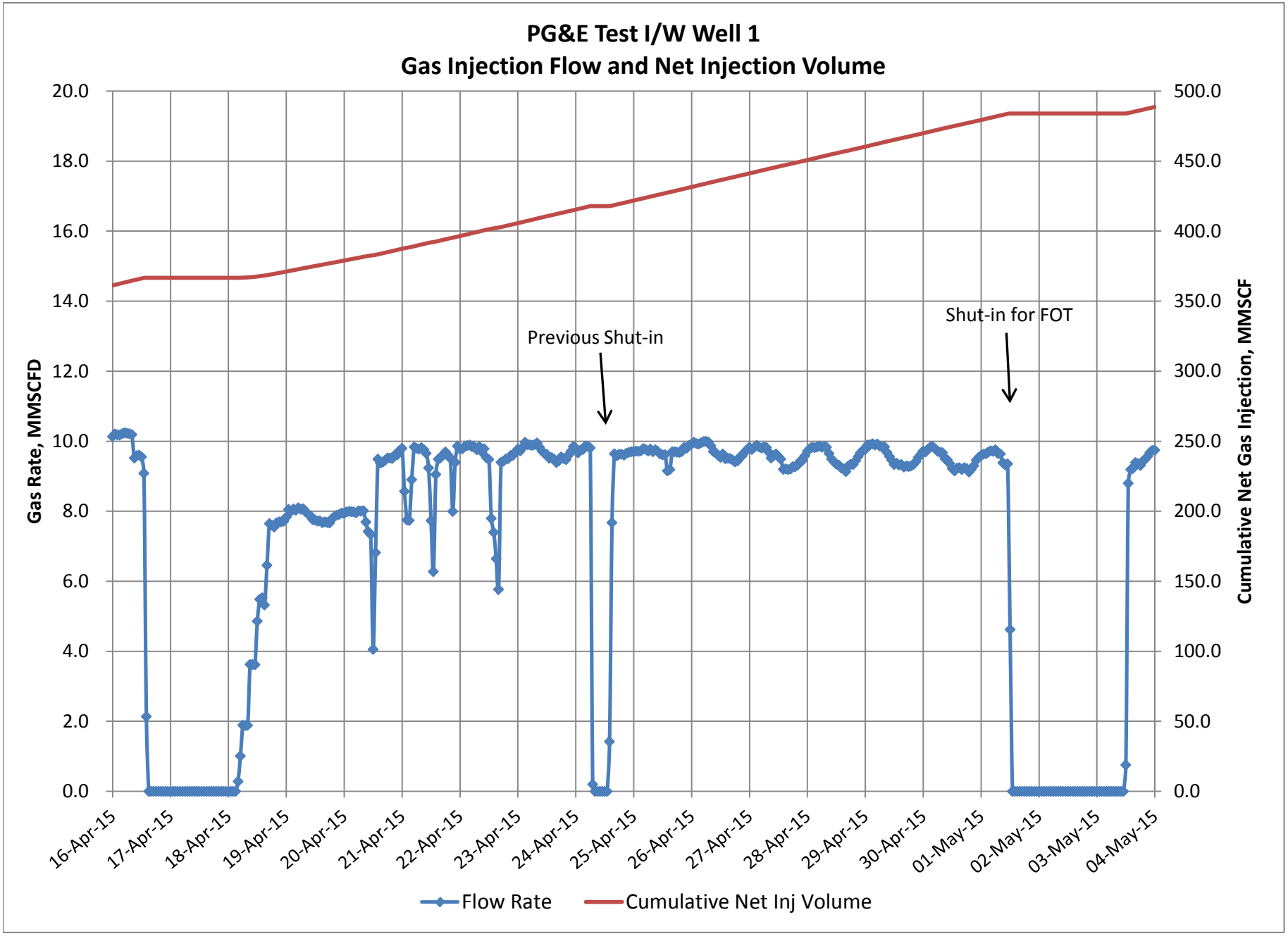
Date	Time	PIT-012 I/W Well Tubing Pressure (PSIA)	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume (MMSCF)	DATE/HOUR	Average Inj Gas Flow Rate for Test Analysis, (MMSCFD)	Tp, hr
04/29/15	03:00:00	1,872	9.92	0.00	461.588	Wed 4/29 3	9.57	109.25
04/29/15	04:00:00	1,871	9.89	0.00	462.001	Wed 4/29 4	9.57	110.25
04/29/15	05:00:00	1,871	9.92	0.00	462.414	Wed 4/29 5	9.57	111.25
04/29/15	06:00:00	1,871	9.86	0.00	462.825	Wed 4/29 6	9.57	112.25
04/29/15	07:00:00	1,871	9.82	0.00	463.234	Wed 4/29 7	9.57	113.25
04/29/15	08:00:00	1,871	9.84	0.00	463.644	Wed 4/29 8	9.57	114.25
04/29/15	09:00:00	1,871	9.68	0.00	464.047	Wed 4/29 9	9.57	115.25
04/29/15	10:00:00	1,871	9.56	0.00	464.446	Wed 4/29 10	9.57	116.25
04/29/15	11:00:00	1,871	9.46	0.00	464.840	Wed 4/29 11	9.57	117.25
04/29/15	12:00:00	1,871	9.33	0.00	465.229	Wed 4/29 12	9.57	118.25
04/29/15	13:00:00	1,872	9.37	0.00	465.619	Wed 4/29 13	9.57	119.25
04/29/15	14:00:00	1,872	9.32	0.00	466.007	Wed 4/29 14	9.57	120.25
04/29/15	15:00:00	1,873	9.33	0.00	466.396	Wed 4/29 15	9.57	121.25
04/29/15	16:00:00	1,873	9.26	0.00	466.782	Wed 4/29 16	9.57	122.25
04/29/15	17:00:00	1,874	9.29	0.00	467.169	Wed 4/29 17	9.57	123.25
04/29/15	18:00:00	1,874	9.27	0.00	467.555	Wed 4/29 18	9.57	124.25
04/29/15	19:00:00	1,874	9.29	0.00	467.943	Wed 4/29 19	9.57	125.25
04/29/15	20:00:00	1,874	9.34	0.00	468.332	Wed 4/29 20	9.57	126.25
04/29/15	21:00:00	1,875	9.42	0.00	468.724	Wed 4/29 21	9.57	127.25
04/29/15	22:00:00	1,875	9.53	0.00	469.121	Wed 4/29 22	9.57	128.25
04/29/15	23:00:00	1,875	9.62	0.00	469.522	Wed 4/29 23	9.57	129.25
04/30/15	00:00:00	1,875	9.72	0.00	469.927	Thu 4/30 0	9.57	130.25
04/30/15	01:00:00	1,875	9.69	0.00	470.331	Thu 4/30 1	9.57	131.25
04/30/15	02:00:00	1,875	9.77	0.00	470.738	Thu 4/30 2	9.57	132.25
04/30/15	03:00:00	1,875	9.84	0.00	471.148	Thu 4/30 3	9.57	133.25
04/30/15	04:00:00	1,875	9.84	0.00	471.558	Thu 4/30 4	9.57	134.25
04/30/15	05:00:00	1,875	9.78	0.00	471.965	Thu 4/30 5	9.57	135.25
04/30/15	06:00:00	1,874	9.71	0.00	472.370	Thu 4/30 6	9.57	136.25
04/30/15	07:00:00	1,874	9.69	0.00	472.774	Thu 4/30 7	9.57	137.25
04/30/15	08:00:00	1,874	9.67	0.00	473.177	Thu 4/30 8	9.57	138.25
04/30/15	09:00:00	1,874	9.50	0.00	473.572	Thu 4/30 9	9.57	139.25
04/30/15	10:00:00	1,874	9.47	0.00	473.967	Thu 4/30 10	9.57	140.25
04/30/15	11:00:00	1,874	9.36	0.00	474.357	Thu 4/30 11	9.57	141.25
04/30/15	12:00:00	1,875	9.22	0.00	474.742	Thu 4/30 12	9.57	142.25
04/30/15	13:00:00	1,875	9.15	0.00	475.123	Thu 4/30 13	9.57	143.25
04/30/15	14:00:00	1,876	9.23	0.00	475.508	Thu 4/30 14	9.57	144.25
04/30/15	15:00:00	1,877	9.24	0.00	475.893	Thu 4/30 15	9.57	145.25
04/30/15	16:00:00	1,877	9.19	0.00	476.276	Thu 4/30 16	9.57	146.25
04/30/15	17:00:00	1,877	9.24	0.00	476.661	Thu 4/30 17	9.57	147.25
04/30/15	18:00:00	1,878	9.22	0.00	477.045	Thu 4/30 18	9.57	148.25
04/30/15	19:00:00	1,878	9.12	0.00	477.425	Thu 4/30 19	9.57	149.25
04/30/15	20:00:00	1,878	9.20	0.00	477.808	Thu 4/30 20	9.57	150.25
04/30/15	21:00:00	1,878	9.30	0.00	478.195	Thu 4/30 21	9.57	151.25
04/30/15	22:00:00	1,879	9.45	0.00	478.589	Thu 4/30 22	9.57	152.25
04/30/15	23:00:00	1,879	9.54	0.00	478.987	Thu 4/30 23	9.57	153.25
05/01/15	00:00:00	1,879	9.59	0.00	479.386	Fri 5/1 0	9.57	154.25
05/01/15	01:00:00	1,879	9.63	0.00	479.787	Fri 5/1 1	9.57	155.25
05/01/15	02:00:00	1,879	9.64	0.00	480.189	Fri 5/1 2	9.57	156.25
05/01/15	03:00:00	1,879	9.69	0.00	480.593	Fri 5/1 3	9.57	157.25
05/01/15	04:00:00	1,879	9.72	0.00	480.998	Fri 5/1 4	9.57	158.25
05/01/15	05:00:00	1,879	9.71	0.00	481.402	Fri 5/1 5	9.57	159.25
05/01/15	06:00:00	1,879	9.76	0.00	481.809	Fri 5/1 6	9.57	160.25
05/01/15	07:00:00	1,878	9.65	0.00	482.211	Fri 5/1 7	9.57	161.25
05/01/15	08:00:00	1,878	9.63	0.00	482.612	Fri 5/1 8	9.57	162.25
05/01/15	09:00:00	1,878	9.38	0.00	483.003	Fri 5/1 9	9.57	163.25
05/01/15	10:00:00	1,878	9.32	0.00	483.392	Fri 5/1 10	9.57	164.25
05/01/15	11:00:00	1,879	9.35	0.00	483.781	Fri 5/1 11	9.57	165.25
05/01/15	12:00:00	1,871	4.62	0.00	483.974	Fri 5/1 12	9.57	165.75
05/01/15	13:00:00	1,861	0.00	0.00	483.974	Fri 5/1 13	0.00	Falloff
05/01/15	14:00:00	1,859	0.00	0.00	483.974	Fri 5/1 14	0.00	Falloff
05/01/15	15:00:00	1,859	0.00	0.00	483.974	Fri 5/1 15	0.00	Falloff
05/01/15	16:00:00	1,858	0.00	0.00	483.974	Fri 5/1 16	0.00	Falloff
05/01/15	17:00:00	1,857	0.00	0.00	483.974	Fri 5/1 17	0.00	Falloff

EXHIBIT 6

PG&E I/W Well 1 - Injection Flow Rate Data preceeding 5-1-2015 Falloff Test

Date	Time	PIT-012 I/W Well Tubing Pressure (PSIA)	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume (MMSCF)	DATE/HOUR	Average Inj Gas Flow Rate for Test Analysis, (MMSCFD)	Tp, hr
05/01/15	18:00:00	1,856	0.00	0.00	483.974	Fri 5/1 18	0.00	Falloff
05/01/15	19:00:00	1,856	0.00	0.00	483.974	Fri 5/1 19	0.00	Falloff
05/01/15	20:00:00	1,855	0.00	0.00	483.974	Fri 5/1 20	0.00	Falloff
05/01/15	21:00:00	1,855	0.00	0.00	483.974	Fri 5/1 21	0.00	Falloff
05/01/15	22:00:00	1,854	0.00	0.00	483.974	Fri 5/1 22	0.00	Falloff
05/01/15	23:00:00	1,854	0.00	0.00	483.974	Fri 5/1 23	0.00	Falloff
05/02/15	00:00:00	1,853	0.00	0.00	483.974	Sat 5/2 0	0.00	Falloff
05/02/15	01:00:00	1,853	0.00	0.00	483.974	Sat 5/2 1	0.00	Falloff
05/02/15	02:00:00	1,852	0.00	0.00	483.974	Sat 5/2 2	0.00	Falloff
05/02/15	03:00:00	1,852	0.00	0.00	483.974	Sat 5/2 3	0.00	Falloff
05/02/15	04:00:00	1,852	0.00	0.00	483.974	Sat 5/2 4	0.00	Falloff
05/02/15	05:00:00	1,851	0.00	0.00	483.974	Sat 5/2 5	0.00	Falloff
05/02/15	06:00:00	1,851	0.00	0.00	483.974	Sat 5/2 6	0.00	Falloff
05/02/15	07:00:00	1,851	0.00	0.00	483.974	Sat 5/2 7	0.00	Falloff
05/02/15	08:00:00	1,851	0.00	0.00	483.974	Sat 5/2 8	0.00	Falloff
05/02/15	09:00:00	1,850	0.00	0.00	483.974	Sat 5/2 9	0.00	Falloff
05/02/15	10:00:00	1,850	0.00	0.00	483.974	Sat 5/2 10	0.00	Falloff
05/02/15	11:00:00	1,850	0.00	0.00	483.974	Sat 5/2 11	0.00	Falloff
05/02/15	12:00:00	1,849	0.00	0.00	483.974	Sat 5/2 12	0.00	Falloff
05/02/15	13:00:00	1,849	0.00	0.00	483.974	Sat 5/2 13	0.00	Falloff
05/02/15	14:00:00	1,849	0.00	0.00	483.974	Sat 5/2 14	0.00	Falloff
05/02/15	15:00:00	1,849	0.00	0.00	483.974	Sat 5/2 15	0.00	Falloff
05/02/15	16:00:00	1,849	0.00	0.00	483.974	Sat 5/2 16	0.00	Falloff
05/02/15	17:00:00	1,848	0.00	0.00	483.974	Sat 5/2 17	0.00	Falloff
05/02/15	18:00:00	1,848	0.00	0.00	483.974	Sat 5/2 18	0.00	Falloff
05/02/15	19:00:00	1,848	0.00	0.00	483.974	Sat 5/2 19	0.00	Falloff
05/02/15	20:00:00	1,847	0.00	0.00	483.974	Sat 5/2 20	0.00	Falloff
05/02/15	21:00:00	1,847	0.00	0.00	483.974	Sat 5/2 21	0.00	Falloff
05/02/15	22:00:00	1,847	0.00	0.00	483.974	Sat 5/2 22	0.00	Falloff
05/02/15	23:00:00	1,847	0.00	0.00	483.974	Sat 5/2 23	0.00	Falloff
05/03/15	00:00:00	1,847	0.00	0.00	483.974	Sun 5/3 0	0.00	Falloff
05/03/15	01:00:00	1,847	0.00	0.00	483.974	Sun 5/3 1	0.00	Falloff
05/03/15	02:00:00	1,847	0.00	0.00	483.974	Sun 5/3 2	0.00	Falloff
05/03/15	03:00:00	1,846	0.00	0.00	483.974	Sun 5/3 3	0.00	Falloff
05/03/15	04:00:00	1,846	0.00	0.00	483.974	Sun 5/3 4	0.00	Falloff
05/03/15	05:00:00	1,846	0.00	0.00	483.974	Sun 5/3 5	0.00	Falloff
05/03/15	06:00:00	1,846	0.00	0.00	483.974	Sun 5/3 6	0.00	Falloff
05/03/15	07:00:00	1,846	0.00	0.00	483.974	Sun 5/3 7	0.00	Falloff
05/03/15	08:00:00	1,846	0.00	0.00	483.974	Sun 5/3 8	0.00	Falloff
05/03/15	09:00:00	1,845	0.00	0.00	483.974	Sun 5/3 9	0.00	Falloff
05/03/15	10:00:00	1,845	0.00	0.00	483.974	Sun 5/3 10	0.00	Falloff
05/03/15	11:00:00	1,845	0.00	0.00	483.974	Sun 5/3 11	0.00	Falloff
05/03/15	12:00:00	1,846	0.75	0.01	484.005	Sun 5/3 12		
05/03/15	13:00:00	1,861	8.80	0.00	484.371	Sun 5/3 13		
05/03/15	14:00:00	1,864	9.19	0.00	484.754	Sun 5/3 14		
05/03/15	15:00:00	1,865	9.22	0.00	485.138	Sun 5/3 15		
05/03/15	16:00:00	1,867	9.39	0.00	485.530	Sun 5/3 16		
05/03/15	17:00:00	1,867	9.36	0.00	485.920	Sun 5/3 17		
05/03/15	18:00:00	1,868	9.31	0.00	486.307	Sun 5/3 18		
05/03/15	19:00:00	1,869	9.43	0.00	486.700	Sun 5/3 19		
05/03/15	20:00:00	1,869	9.48	0.00	487.095	Sun 5/3 20		
05/03/15	21:00:00	1,870	9.56	0.00	487.494	Sun 5/3 21		
05/03/15	22:00:00	1,871	9.68	0.00	487.897	Sun 5/3 22		
05/03/15	23:00:00	1,871	9.74	0.00	488.303	Sun 5/3 23		
05/03/15	00:00:00	1,871	9.74	0.00	488.709	Mon 5/4 0		

EXHIBIT 6



CAES_Data_rate data for 5-1-15 FOT.xlsx

EXHIBIT 7

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Pressure/Production Summary

Pressure Falloff Test 1May2015
Final Bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,665 - 4,755' TVD

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1	2015/04/24 13:46:10	0.0000	0.0000		0.000	0.0	0.0	0.0
2	2015/04/24 14:40:20	0.9028	0.9028	2129.41	-9.570			
3	2015/04/24 14:58:25	1.2042	1.2042	2130.09				
4	2015/04/24 15:16:25	1.5042	1.5042	2130.54				
5	2015/04/24 15:34:30	1.8056	1.8056	2130.79				
6	2015/04/24 15:52:35	2.1069	2.1069	2130.98				
7	2015/04/24 16:10:35	2.4069	2.4069	2131.21				
8	2015/04/24 16:28:36	2.7072	2.7072	2131.49				
9	2015/04/24 16:46:36	3.0072	3.0072	2131.70				
10	2015/04/24 17:04:40	3.3083	3.3083	2131.84				
11	2015/04/24 17:22:45	3.6097	3.6097	2132.02				
12	2015/04/24 17:40:45	3.9097	3.9097	2132.20				
13	2015/04/24 17:58:50	4.2111	4.2111	2132.37				
14	2015/04/24 18:16:50	4.5111	4.5111	2132.52				
15	2015/04/24 18:34:55	4.8125	4.8125	2132.60				
16	2015/04/24 18:53:00	5.1139	5.1139	2132.75				
17	2015/04/24 19:11:00	5.4139	5.4139	2132.84				
18	2015/04/24 19:29:05	5.7153	5.7153	2133.03				
19	2015/04/24 19:47:10	6.0167	6.0167	2133.21				
20	2015/04/24 20:05:10	6.3167	6.3167	2133.43				
21	2015/04/24 20:23:15	6.6181	6.6181	2133.56				
22	2015/04/24 20:41:15	6.9181	6.9181	2133.62				
23	2015/04/24 20:59:20	7.2194	7.2194	2133.75				
24	2015/04/24 21:17:21	7.5197	7.5197	2133.87				
25	2015/04/24 21:35:21	7.8197	7.8197	2134.03				
26	2015/04/24 21:53:26	8.1211	8.1211	2134.20				
27	2015/04/24 22:11:30	8.4222	8.4222	2134.34				
28	2015/04/24 22:29:36	8.7239	8.7239	2134.46				
29	2015/04/24 22:47:40	9.0250	9.0250	2134.50				
30	2015/04/24 23:05:40	9.3250	9.3250	2134.64				
31	2015/04/24 23:23:45	9.6264	9.6264	2134.80				
32	2015/04/24 23:41:45	9.9264	9.9264	2134.87				
33	2015/04/24 23:59:50	10.2278	10.2278	2135.02				
34	2015/04/25 00:17:55	10.5292	10.5292	2135.15				
35	2015/04/25 00:35:55	10.8292	10.8292	2135.33				
36	2015/04/25 00:54:00	11.1306	11.1306	2135.29				
37	2015/04/25 01:12:05	11.4319	11.4319	2135.40				
38	2015/04/25 01:30:05	11.7319	11.7319	2135.51				
39	2015/04/25 01:48:10	12.0333	12.0333	2135.69				
40	2015/04/25 02:06:15	12.3347	12.3347	2135.88				
41	2015/04/25 02:24:16	12.6350	12.6350	2135.90				
42	2015/04/25 02:42:21	12.9364	12.9364	2135.96				
43	2015/04/25 03:00:21	13.2364	13.2364	2136.02				
44	2015/04/25 03:18:25	13.5375	13.5375	2136.22				
45	2015/04/25 03:36:30	13.8389	13.8389	2136.35				
46	2015/04/25 03:54:30	14.1389	14.1389	2136.49				
47	2015/04/25 04:12:35	14.4403	14.4403	2136.44				
48	2015/04/25 04:30:35	14.7403	14.7403	2136.63				
49	2015/04/25 04:48:40	15.0417	15.0417	2136.72				
50	2015/04/25 05:06:45	15.3431	15.3431	2136.83				
51	2015/04/25 05:24:45	15.6431	15.6431	2136.82				
52	2015/04/25 05:42:50	15.9444	15.9444	2136.94				
53	2015/04/25 06:00:50	16.2444	16.2444	2137.04				
54	2015/04/25 06:18:55	16.5458	16.5458	2137.19				
55	2015/04/25 06:37:00	16.8472	16.8472	2137.29				
56	2015/04/25 06:55:00	17.1472	17.1472	2137.38				

EXHIBIT 8

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
57	2015/04/25 07:13:01	17.4475	17.4475	2137.45				
58	2015/04/25 07:31:06	17.7489	17.7489	2137.43				
59	2015/04/25 07:49:06	18.0489	18.0489	2137.51				
60	2015/04/25 08:07:11	18.3503	18.3503	2137.66				
61	2015/04/25 08:25:15	18.6514	18.6514	2137.73				
62	2015/04/25 08:43:20	18.9528	18.9528	2137.84				
63	2015/04/25 09:01:25	19.2542	19.2542	2137.93				
64	2015/04/25 09:19:25	19.5542	19.5542	2137.99				
65	2015/04/25 09:37:30	19.8556	19.8556	2138.01				
66	2015/04/25 09:55:30	20.1556	20.1556	2138.05				
67	2015/04/25 10:13:35	20.4569	20.4569	2138.07				
68	2015/04/25 10:31:40	20.7583	20.7583	2138.19				
69	2015/04/25 10:49:40	21.0583	21.0583	2138.32				
70	2015/04/25 11:07:45	21.3597	21.3597	2138.32				
71	2015/04/25 11:25:45	21.6597	21.6597	2138.38				
72	2015/04/25 11:43:50	21.9611	21.9611	2138.46				
73	2015/04/25 12:01:51	22.2614	22.2614	2138.56				
74	2015/04/25 12:19:51	22.5614	22.5614	2138.64				
75	2015/04/25 12:37:56	22.8628	22.8628	2138.60				
76	2015/04/25 12:55:56	23.1628	23.1628	2138.71				
77	2015/04/25 13:14:00	23.4639	23.4639	2138.82				
78	2015/04/25 13:32:06	23.7656	23.7656	2138.86				
79	2015/04/25 13:50:10	24.0667	24.0667	2137.41				
80	2015/04/25 14:08:10	24.3667	24.3667	2137.08				
81	2015/04/25 14:26:15	24.6681	24.6681	2138.79				
82	2015/04/25 14:44:15	24.9681	24.9681	2139.09				
83	2015/04/25 15:02:20	25.2694	25.2694	2139.20				
84	2015/04/25 15:20:25	25.5708	25.5708	2139.32				
85	2015/04/25 15:38:25	25.8708	25.8708	2139.35				
86	2015/04/25 15:56:30	26.1722	26.1722	2139.44				
87	2015/04/25 16:14:30	26.4722	26.4722	2139.50				
88	2015/04/25 16:32:35	26.7736	26.7736	2139.61				
89	2015/04/25 16:50:40	27.0750	27.0750	2139.66				
90	2015/04/25 17:08:41	27.3753	27.3753	2139.73				
91	2015/04/25 17:26:46	27.6767	27.6767	2139.77				
92	2015/04/25 17:44:51	27.9781	27.9781	2139.81				
93	2015/04/25 18:02:55	28.2792	28.2792	2139.91				
94	2015/04/25 18:21:00	28.5806	28.5806	2140.03				
95	2015/04/25 18:39:00	28.8806	28.8806	2140.07				
96	2015/04/25 18:57:05	29.1819	29.1819	2140.06				
97	2015/04/25 19:15:10	29.4833	29.4833	2140.15				
98	2015/04/25 19:33:10	29.7833	29.7833	2140.29				
99	2015/04/25 19:51:15	30.0847	30.0847	2140.45				
100	2015/04/25 20:09:15	30.3847	30.3847	2140.49				
101	2015/04/25 20:27:20	30.6861	30.6861	2140.62				
102	2015/04/25 20:45:25	30.9875	30.9875	2140.80				
103	2015/04/25 21:03:25	31.2875	31.2875	2140.75				
104	2015/04/25 21:21:30	31.5889	31.5889	2140.73				
105	2015/04/25 21:39:30	31.8889	31.8889	2140.88				
106	2015/04/25 21:57:31	32.1892	32.1892	2141.02				
107	2015/04/25 22:15:36	32.4906	32.4906	2141.07				
108	2015/04/25 22:33:36	32.7906	32.7906	2141.20				
109	2015/04/25 22:51:41	33.0919	33.0919	2141.29				
110	2015/04/25 23:09:45	33.3931	33.3931	2141.33				
111	2015/04/25 23:27:50	33.6944	33.6944	2141.41				
112	2015/04/25 23:45:55	33.9958	33.9958	2141.57				

EXHIBIT 8

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
113	2015/04/26 00:03:55	34.2958	34.2958	2141.63				
114	2015/04/26 00:22:00	34.5972	34.5972	2141.75				
115	2015/04/26 00:40:05	34.8986	34.8986	2141.77				
116	2015/04/26 00:58:05	35.1986	35.1986	2141.88				
117	2015/04/26 01:16:10	35.5000	35.5000	2141.90				
118	2015/04/26 01:34:15	35.8014	35.8014	2141.97				
119	2015/04/26 01:52:15	36.1014	36.1014	2142.01				
120	2015/04/26 02:10:20	36.4028	36.4028	2142.07				
121	2015/04/26 02:28:20	36.7028	36.7028	2142.14				
122	2015/04/26 02:46:25	37.0042	37.0042	2142.23				
123	2015/04/26 03:04:26	37.3044	37.3044	2142.31				
124	2015/04/26 03:22:26	37.6044	37.6044	2142.46				
125	2015/04/26 03:40:31	37.9058	37.9058	2142.51				
126	2015/04/26 03:58:31	38.2058	38.2058	2142.58				
127	2015/04/26 04:16:35	38.5069	38.5069	2142.61				
128	2015/04/26 04:34:40	38.8083	38.8083	2142.75				
129	2015/04/26 04:52:40	39.1083	39.1083	2142.80				
130	2015/04/26 05:10:45	39.4097	39.4097	2142.83				
131	2015/04/26 05:28:45	39.7097	39.7097	2142.96				
132	2015/04/26 05:46:50	40.0111	40.0111	2143.03				
133	2015/04/26 06:04:55	40.3125	40.3125	2143.10				
134	2015/04/26 06:22:55	40.6125	40.6125	2143.12				
135	2015/04/26 06:41:00	40.9139	40.9139	2143.20				
136	2015/04/26 06:59:05	41.2153	41.2153	2143.22				
137	2015/04/26 07:17:05	41.5153	41.5153	2143.21				
138	2015/04/26 07:35:10	41.8167	41.8167	2143.26				
139	2015/04/26 07:53:10	42.1167	42.1167	2143.25				
140	2015/04/26 08:11:16	42.4183	42.4183	2143.25				
141	2015/04/26 08:29:21	42.7197	42.7197	2143.19				
142	2015/04/26 08:47:21	43.0197	43.0197	2143.27				
143	2015/04/26 09:05:26	43.3211	43.3211	2143.36				
144	2015/04/26 09:23:30	43.6222	43.6222	2143.37				
145	2015/04/26 09:41:35	43.9236	43.9236	2143.37				
146	2015/04/26 09:59:40	44.2250	44.2250	2143.46				
147	2015/04/26 10:17:40	44.5250	44.5250	2143.44				
148	2015/04/26 10:35:45	44.8264	44.8264	2143.46				
149	2015/04/26 10:53:45	45.1264	45.1264	2143.50				
150	2015/04/26 11:11:50	45.4278	45.4278	2143.62				
151	2015/04/26 11:29:55	45.7292	45.7292	2143.61				
152	2015/04/26 11:47:55	46.0292	46.0292	2143.53				
153	2015/04/26 12:06:00	46.3306	46.3306	2143.61				
154	2015/04/26 12:24:05	46.6319	46.6319	2143.70				
155	2015/04/26 12:42:05	46.9319	46.9319	2143.95				
156	2015/04/26 13:00:11	47.2336	47.2336	2143.98				
157	2015/04/26 13:18:16	47.5350	47.5350	2143.92				
158	2015/04/26 13:36:16	47.8350	47.8350	2143.88				
159	2015/04/26 13:54:21	48.1364	48.1364	2143.86				
160	2015/04/26 14:12:21	48.4364	48.4364	2143.90				
161	2015/04/26 14:30:25	48.7375	48.7375	2144.10				
162	2015/04/26 14:48:30	49.0389	49.0389	2144.11				
163	2015/04/26 15:06:30	49.3389	49.3389	2144.21				
164	2015/04/26 15:24:35	49.6403	49.6403	2144.18				
165	2015/04/26 15:42:35	49.9403	49.9403	2144.20				
166	2015/04/26 16:00:40	50.2417	50.2417	2144.23				
167	2015/04/26 16:18:45	50.5431	50.5431	2144.30				
168	2015/04/26 16:36:45	50.8431	50.8431	2144.33				

EXHIBIT 8

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
169	2015/04/26 16:54:50	51.1444	51.1444	2144.38				
170	2015/04/26 17:12:50	51.4444	51.4444	2144.43				
171	2015/04/26 17:30:55	51.7458	51.7458	2144.38				
172	2015/04/26 17:49:01	52.0475	52.0475	2144.33				
173	2015/04/26 18:07:06	52.3489	52.3489	2144.47				
174	2015/04/26 18:25:06	52.6489	52.6489	2144.52				
175	2015/04/26 18:43:10	52.9500	52.9500	2144.65				
176	2015/04/26 19:01:11	53.2503	53.2503	2144.73				
177	2015/04/26 19:19:15	53.5514	53.5514	2144.82				
178	2015/04/26 19:37:20	53.8528	53.8528	2144.89				
179	2015/04/26 19:55:20	54.1528	54.1528	2144.95				
180	2015/04/26 20:13:25	54.4542	54.4542	2145.04				
181	2015/04/26 20:31:25	54.7542	54.7542	2145.07				
182	2015/04/26 20:49:30	55.0556	55.0556	2145.15				
183	2015/04/26 21:07:35	55.3569	55.3569	2145.26				
184	2015/04/26 21:25:35	55.6569	55.6569	2145.38				
185	2015/04/26 21:43:40	55.9583	55.9583	2145.45				
186	2015/04/26 22:01:40	56.2583	56.2583	2145.55				
187	2015/04/26 22:19:45	56.5597	56.5597	2145.60				
188	2015/04/26 22:37:50	56.8611	56.8611	2145.71				
189	2015/04/26 22:55:51	57.1614	57.1614	2145.77				
190	2015/04/26 23:13:56	57.4628	57.4628	2145.91				
191	2015/04/26 23:32:00	57.7639	57.7639	2145.98				
192	2015/04/26 23:50:00	58.0639	58.0639	2146.01				
193	2015/04/27 00:08:05	58.3653	58.3653	2146.05				
194	2015/04/27 00:26:05	58.6653	58.6653	2146.12				
195	2015/04/27 00:44:10	58.9667	58.9667	2146.18				
196	2015/04/27 01:02:15	59.2681	59.2681	2146.22				
197	2015/04/27 01:20:15	59.5681	59.5681	2146.31				
198	2015/04/27 01:38:20	59.8694	59.8694	2146.39				
199	2015/04/27 01:56:20	60.1694	60.1694	2146.54				
200	2015/04/27 02:14:25	60.4708	60.4708	2146.54				
201	2015/04/27 02:32:30	60.7722	60.7722	2146.65				
202	2015/04/27 02:50:30	61.0722	61.0722	2146.71				
203	2015/04/27 03:08:35	61.3736	61.3736	2146.71				
204	2015/04/27 03:26:35	61.6736	61.6736	2146.77				
205	2015/04/27 03:44:36	61.9739	61.9739	2146.85				
206	2015/04/27 04:02:41	62.2753	62.2753	2146.96				
207	2015/04/27 04:20:41	62.5753	62.5753	2146.92				
208	2015/04/27 04:38:46	62.8767	62.8767	2147.01				
209	2015/04/27 04:56:46	63.1767	63.1767	2147.08				
210	2015/04/27 05:14:50	63.4778	63.4778	2147.09				
211	2015/04/27 05:32:55	63.7792	63.7792	2147.16				
212	2015/04/27 05:50:55	64.0792	64.0792	2147.21				
213	2015/04/27 06:09:00	64.3806	64.3806	2147.32				
214	2015/04/27 06:27:05	64.6819	64.6819	2147.41				
215	2015/04/27 06:45:05	64.9819	64.9819	2147.38				
216	2015/04/27 07:03:10	65.2833	65.2833	2147.25				
217	2015/04/27 07:21:15	65.5847	65.5847	2147.48				
218	2015/04/27 07:39:15	65.8847	65.8847	2147.44				
219	2015/04/27 07:57:20	66.1861	66.1861	2147.37				
220	2015/04/27 08:15:20	66.4861	66.4861	2147.34				
221	2015/04/27 08:33:25	66.7875	66.7875	2147.35				
222	2015/04/27 08:51:26	67.0878	67.0878	2147.35				
223	2015/04/27 09:09:26	67.3878	67.3878	2147.36				
224	2015/04/27 09:27:31	67.6892	67.6892	2147.40				

EXHIBIT 8

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
225	2015/04/27 09:45:31	67.9892	67.9892	2147.65				
226	2015/04/27 10:03:36	68.2906	68.2906	2147.74				
227	2015/04/27 10:21:40	68.5917	68.5917	2147.75				
228	2015/04/27 10:39:40	68.8917	68.8917	2147.82				
229	2015/04/27 10:57:45	69.1931	69.1931	2147.81				
230	2015/04/27 11:15:45	69.4931	69.4931	2147.83				
231	2015/04/27 11:33:50	69.7944	69.7944	2147.84				
232	2015/04/27 11:51:55	70.0958	70.0958	2147.93				
233	2015/04/27 12:09:55	70.3958	70.3958	2147.99				
234	2015/04/27 12:28:00	70.6972	70.6972	2148.02				
235	2015/04/27 12:46:05	70.9986	70.9986	2147.80				
236	2015/04/27 13:04:05	71.2986	71.2986	2147.79				
237	2015/04/27 13:22:10	71.6000	71.6000	2147.82				
238	2015/04/27 13:40:10	71.9000	71.9000	2147.71				
239	2015/04/27 13:58:11	72.2003	72.2003	2147.81				
240	2015/04/27 14:16:16	72.5017	72.5017	2147.84				
241	2015/04/27 14:34:16	72.8017	72.8017	2147.84				
242	2015/04/27 14:52:20	73.1028	73.1028	2147.91				
243	2015/04/27 15:10:20	73.4028	73.4028	2147.97				
244	2015/04/27 15:28:25	73.7042	73.7042	2148.05				
245	2015/04/27 15:46:30	74.0056	74.0056	2147.94				
246	2015/04/27 16:04:30	74.3056	74.3056	2148.01				
247	2015/04/27 16:22:35	74.6069	74.6069	2148.06				
248	2015/04/27 16:40:35	74.9069	74.9069	2148.16				
249	2015/04/27 16:58:40	75.2083	75.2083	2148.11				
250	2015/04/27 17:16:45	75.5097	75.5097	2148.25				
251	2015/04/27 17:34:45	75.8097	75.8097	2148.27				
252	2015/04/27 17:52:50	76.1111	76.1111	2148.38				
253	2015/04/27 18:10:50	76.4111	76.4111	2148.39				
254	2015/04/27 18:28:51	76.7114	76.7114	2148.38				
255	2015/04/27 18:46:56	77.0128	77.0128	2148.43				
256	2015/04/27 19:04:56	77.3128	77.3128	2148.51				
257	2015/04/27 19:23:00	77.6139	77.6139	2148.56				
258	2015/04/27 19:41:05	77.9153	77.9153	2148.67				
259	2015/04/27 19:59:05	78.2153	78.2153	2148.80				
260	2015/04/27 20:17:10	78.5167	78.5167	2148.84				
261	2015/04/27 20:35:15	78.8181	78.8181	2148.95				
262	2015/04/27 20:53:15	79.1181	79.1181	2149.00				
263	2015/04/27 21:11:20	79.4194	79.4194	2149.10				
264	2015/04/27 21:29:20	79.7194	79.7194	2149.11				
265	2015/04/27 21:47:25	80.0208	80.0208	2149.18				
266	2015/04/27 22:05:30	80.3222	80.3222	2149.27				
267	2015/04/27 22:23:30	80.6222	80.6222	2149.43				
268	2015/04/27 22:41:35	80.9236	80.9236	2149.51				
269	2015/04/27 22:59:35	81.2236	81.2236	2149.55				
270	2015/04/27 23:17:36	81.5239	81.5239	2149.64				
271	2015/04/27 23:35:41	81.8253	81.8253	2149.79				
272	2015/04/27 23:53:41	82.1253	82.1253	2149.93				
273	2015/04/28 00:11:46	82.4267	82.4267	2150.04				
274	2015/04/28 00:29:50	82.7278	82.7278	2150.06				
275	2015/04/28 00:47:55	83.0292	83.0292	2150.14				
276	2015/04/28 01:06:00	83.3306	83.3306	2150.19				
277	2015/04/28 01:24:00	83.6306	83.6306	2150.32				
278	2015/04/28 01:42:05	83.9319	83.9319	2150.35				
279	2015/04/28 02:00:10	84.2333	84.2333	2150.37				
280	2015/04/28 02:18:10	84.5333	84.5333	2150.48				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
281	2015/04/28 02:36:15	84.8347	84.8347	2150.51				
282	2015/04/28 02:54:15	85.1347	85.1347	2150.58				
283	2015/04/28 03:12:20	85.4361	85.4361	2150.71				
284	2015/04/28 03:30:25	85.7375	85.7375	2150.73				
285	2015/04/28 03:48:25	86.0375	86.0375	2150.78				
286	2015/04/28 04:06:26	86.3378	86.3378	2150.81				
287	2015/04/28 04:24:26	86.6378	86.6378	2151.01				
288	2015/04/28 04:42:31	86.9392	86.9392	2151.04				
289	2015/04/28 05:00:35	87.2403	87.2403	2151.02				
290	2015/04/28 05:18:35	87.5403	87.5403	2151.11				
291	2015/04/28 05:36:40	87.8417	87.8417	2151.18				
292	2015/04/28 05:54:40	88.1417	88.1417	2151.25				
293	2015/04/28 06:12:45	88.4431	88.4431	2151.32				
294	2015/04/28 06:30:50	88.7444	88.7444	2151.37				
295	2015/04/28 06:48:50	89.0444	89.0444	2151.40				
296	2015/04/28 07:06:55	89.3458	89.3458	2151.50				
297	2015/04/28 07:24:55	89.6458	89.6458	2151.64				
298	2015/04/28 07:43:00	89.9472	89.9472	2151.59				
299	2015/04/28 08:01:05	90.2486	90.2486	2151.56				
300	2015/04/28 08:19:10	90.5500	90.5500	2151.49				
301	2015/04/28 08:37:10	90.8500	90.8500	2151.58				
302	2015/04/28 08:55:15	91.1514	91.1514	2151.59				
303	2015/04/28 09:13:16	91.4517	91.4517	2151.51				
304	2015/04/28 09:31:21	91.7531	91.7531	2151.50				
305	2015/04/28 09:49:25	92.0542	92.0542	2151.50				
306	2015/04/28 10:07:25	92.3542	92.3542	2151.52				
307	2015/04/28 10:25:30	92.6556	92.6556	2151.52				
308	2015/04/28 10:43:30	92.9556	92.9556	2151.57				
309	2015/04/28 11:01:35	93.2569	93.2569	2151.53				
310	2015/04/28 11:19:40	93.5583	93.5583	2151.56				
311	2015/04/28 11:37:40	93.8583	93.8583	2151.64				
312	2015/04/28 11:55:45	94.1597	94.1597	2151.62				
313	2015/04/28 12:13:45	94.4597	94.4597	2151.68				
314	2015/04/28 12:31:50	94.7611	94.7611	2151.66				
315	2015/04/28 12:49:55	95.0625	95.0625	2151.73				
316	2015/04/28 13:07:55	95.3625	95.3625	2151.77				
317	2015/04/28 13:26:00	95.6639	95.6639	2151.72				
318	2015/04/28 13:44:00	95.9639	95.9639	2151.73				
319	2015/04/28 14:02:05	96.2653	96.2653	2151.73				
320	2015/04/28 14:20:06	96.5656	96.5656	2151.82				
321	2015/04/28 14:38:06	96.8656	96.8656	2151.82				
322	2015/04/28 14:56:10	97.1667	97.1667	2151.85				
323	2015/04/28 15:14:11	97.4669	97.4669	2151.82				
324	2015/04/28 15:32:15	97.7681	97.7681	2151.86				
325	2015/04/28 15:50:20	98.0694	98.0694	2151.82				
326	2015/04/28 16:08:20	98.3694	98.3694	2151.90				
327	2015/04/28 16:26:25	98.6708	98.6708	2152.09				
328	2015/04/28 16:44:30	98.9722	98.9722	2152.21				
329	2015/04/28 17:02:30	99.2722	99.2722	2152.28				
330	2015/04/28 17:20:35	99.5736	99.5736	2152.29				
331	2015/04/28 17:38:35	99.8736	99.8736	2152.37				
332	2015/04/28 17:56:40	100.1750	100.1750	2152.34				
333	2015/04/28 18:14:45	100.4764	100.4764	2152.45				
334	2015/04/28 18:32:45	100.7764	100.7764	2152.44				
335	2015/04/28 18:50:46	101.0767	101.0767	2152.52				
336	2015/04/28 19:08:46	101.3767	101.3767	2152.59				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
337	2015/04/28 19:26:51	101.6781	101.6781	2152.74				
338	2015/04/28 19:44:56	101.9794	101.9794	2152.82				
339	2015/04/28 20:03:00	102.2806	102.2806	2152.86				
340	2015/04/28 20:21:00	102.5806	102.5806	2152.94				
341	2015/04/28 20:39:00	102.8806	102.8806	2153.05				
342	2015/04/28 20:57:05	103.1819	103.1819	2153.20				
343	2015/04/28 21:15:10	103.4833	103.4833	2153.24				
344	2015/04/28 21:33:15	103.7847	103.7847	2153.34				
345	2015/04/28 21:51:15	104.0847	104.0847	2153.42				
346	2015/04/28 22:09:20	104.3861	104.3861	2153.48				
347	2015/04/28 22:27:20	104.6861	104.6861	2153.63				
348	2015/04/28 22:45:25	104.9875	104.9875	2153.66				
349	2015/04/28 23:03:30	105.2889	105.2889	2153.68				
350	2015/04/28 23:21:30	105.5889	105.5889	2153.78				
351	2015/04/28 23:39:31	105.8892	105.8892	2153.91				
352	2015/04/28 23:57:31	106.1892	106.1892	2153.96				
353	2015/04/29 00:15:36	106.4906	106.4906	2154.05				
354	2015/04/29 00:33:40	106.7917	106.7917	2154.24				
355	2015/04/29 00:51:40	107.0917	107.0917	2154.24				
356	2015/04/29 01:09:45	107.3931	107.3931	2154.29				
357	2015/04/29 01:27:45	107.6931	107.6931	2154.40				
358	2015/04/29 01:45:50	107.9944	107.9944	2154.49				
359	2015/04/29 02:03:55	108.2958	108.2958	2154.49				
360	2015/04/29 02:21:55	108.5958	108.5958	2154.62				
361	2015/04/29 02:40:00	108.8972	108.8972	2154.68				
362	2015/04/29 02:58:05	109.1986	109.1986	2154.76				
363	2015/04/29 03:16:05	109.4986	109.4986	2154.67				
364	2015/04/29 03:34:10	109.8000	109.8000	2154.82				
365	2015/04/29 03:52:15	110.1014	110.1014	2154.88				
366	2015/04/29 04:10:15	110.4014	110.4014	2155.02				
367	2015/04/29 04:28:20	110.7028	110.7028	2155.01				
368	2015/04/29 04:46:21	111.0031	111.0031	2155.05				
369	2015/04/29 05:04:26	111.3044	111.3044	2155.03				
370	2015/04/29 05:22:31	111.6058	111.6058	2155.20				
371	2015/04/29 05:40:35	111.9069	111.9069	2155.20				
372	2015/04/29 05:58:41	112.2086	112.2086	2155.21				
373	2015/04/29 06:16:45	112.5097	112.5097	2155.32				
374	2015/04/29 06:34:50	112.8111	112.8111	2155.32				
375	2015/04/29 06:52:55	113.1125	113.1125	2155.45				
376	2015/04/29 07:10:55	113.4125	113.4125	2155.45				
377	2015/04/29 07:29:00	113.7139	113.7139	2155.57				
378	2015/04/29 07:47:00	114.0139	114.0139	2155.54				
379	2015/04/29 08:05:05	114.3153	114.3153	2155.59				
380	2015/04/29 08:23:10	114.6167	114.6167	2155.55				
381	2015/04/29 08:41:10	114.9167	114.9167	2155.55				
382	2015/04/29 08:59:15	115.2181	115.2181	2155.48				
383	2015/04/29 09:17:16	115.5183	115.5183	2155.50				
384	2015/04/29 09:35:16	115.8183	115.8183	2155.60				
385	2015/04/29 09:53:21	116.1197	116.1197	2155.62				
386	2015/04/29 10:11:21	116.4197	116.4197	2155.64				
387	2015/04/29 10:29:25	116.7208	116.7208	2155.57				
388	2015/04/29 10:47:26	117.0211	117.0211	2155.59				
389	2015/04/29 11:05:30	117.3222	117.3222	2155.55				
390	2015/04/29 11:23:35	117.6236	117.6236	2155.59				
391	2015/04/29 11:41:35	117.9236	117.9236	2155.56				
392	2015/04/29 11:59:40	118.2250	118.2250	2155.56				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
393	2015/04/29 12:17:45	118.5264	118.5264	2155.70				
394	2015/04/29 12:35:45	118.8264	118.8264	2155.75				
395	2015/04/29 12:53:50	119.1278	119.1278	2155.79				
396	2015/04/29 13:11:50	119.4278	119.4278	2155.81				
397	2015/04/29 13:29:55	119.7292	119.7292	2155.78				
398	2015/04/29 13:48:00	120.0306	120.0306	2155.83				
399	2015/04/29 14:06:00	120.3306	120.3306	2155.92				
400	2015/04/29 14:24:01	120.6308	120.6308	2155.95				
401	2015/04/29 14:42:06	120.9322	120.9322	2155.95				
402	2015/04/29 15:00:06	121.2322	121.2322	2156.02				
403	2015/04/29 15:18:10	121.5333	121.5333	2156.04				
404	2015/04/29 15:36:16	121.8350	121.8350	2156.04				
405	2015/04/29 15:54:20	122.1361	122.1361	2156.08				
406	2015/04/29 16:12:25	122.4375	122.4375	2156.10				
407	2015/04/29 16:30:25	122.7375	122.7375	2156.19				
408	2015/04/29 16:48:30	123.0389	123.0389	2156.20				
409	2015/04/29 17:06:35	123.3403	123.3403	2156.16				
410	2015/04/29 17:24:35	123.6403	123.6403	2156.29				
411	2015/04/29 17:42:40	123.9417	123.9417	2156.30				
412	2015/04/29 18:00:40	124.2417	124.2417	2156.34				
413	2015/04/29 18:18:45	124.5431	124.5431	2156.43				
414	2015/04/29 18:36:50	124.8444	124.8444	2156.40				
415	2015/04/29 18:54:50	125.1444	125.1444	2156.43				
416	2015/04/29 19:12:51	125.4447	125.4447	2156.49				
417	2015/04/29 19:30:51	125.7447	125.7447	2156.62				
418	2015/04/29 19:48:55	126.0458	126.0458	2156.70				
419	2015/04/29 20:07:00	126.3472	126.3472	2156.73				
420	2015/04/29 20:25:00	126.6472	126.6472	2156.80				
421	2015/04/29 20:43:05	126.9486	126.9486	2156.88				
422	2015/04/29 21:01:10	127.2500	127.2500	2156.98				
423	2015/04/29 21:19:10	127.5500	127.5500	2157.06				
424	2015/04/29 21:37:15	127.8514	127.8514	2157.15				
425	2015/04/29 21:55:15	128.1514	128.1514	2157.25				
426	2015/04/29 22:13:20	128.4528	128.4528	2157.38				
427	2015/04/29 22:31:25	128.7542	128.7542	2157.43				
428	2015/04/29 22:49:25	129.0542	129.0542	2157.45				
429	2015/04/29 23:07:30	129.3556	129.3556	2157.57				
430	2015/04/29 23:25:30	129.6556	129.6556	2157.68				
431	2015/04/29 23:43:35	129.9569	129.9569	2157.79				
432	2015/04/30 00:01:36	130.2572	130.2572	2157.86				
433	2015/04/30 00:19:36	130.5572	130.5572	2157.82				
434	2015/04/30 00:37:41	130.8586	130.8586	2157.86				
435	2015/04/30 00:55:41	131.1586	131.1586	2157.92				
436	2015/04/30 01:13:45	131.4597	131.4597	2158.06				
437	2015/04/30 01:31:50	131.7611	131.7611	2158.16				
438	2015/04/30 01:49:50	132.0611	132.0611	2158.28				
439	2015/04/30 02:07:55	132.3625	132.3625	2158.28				
440	2015/04/30 02:25:55	132.6625	132.6625	2158.37				
441	2015/04/30 02:44:00	132.9639	132.9639	2158.51				
442	2015/04/30 03:02:05	133.2653	133.2653	2158.54				
443	2015/04/30 03:20:10	133.5667	133.5667	2158.54				
444	2015/04/30 03:38:10	133.8667	133.8667	2158.65				
445	2015/04/30 03:56:15	134.1681	134.1681	2158.73				
446	2015/04/30 04:14:15	134.4681	134.4681	2158.74				
447	2015/04/30 04:32:20	134.7694	134.7694	2158.72				
448	2015/04/30 04:50:25	135.0708	135.0708	2158.80				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
449	2015/04/30 05:08:25	135.3708	135.3708	2158.77				
450	2015/04/30 05:26:26	135.6711	135.6711	2158.84				
451	2015/04/30 05:44:31	135.9725	135.9725	2158.93				
452	2015/04/30 06:02:35	136.2736	136.2736	2159.02				
453	2015/04/30 06:20:40	136.5750	136.5750	2158.96				
454	2015/04/30 06:38:40	136.8750	136.8750	2159.01				
455	2015/04/30 06:56:45	137.1764	137.1764	2159.04				
456	2015/04/30 07:14:45	137.4764	137.4764	2159.10				
457	2015/04/30 07:32:50	137.7778	137.7778	2159.15				
458	2015/04/30 07:50:55	138.0792	138.0792	2159.21				
459	2015/04/30 08:08:55	138.3792	138.3792	2159.13				
460	2015/04/30 08:27:00	138.6806	138.6806	2159.14				
461	2015/04/30 08:45:05	138.9819	138.9819	2159.18				
462	2015/04/30 09:03:05	139.2819	139.2819	2159.13				
463	2015/04/30 09:21:10	139.5833	139.5833	2159.20				
464	2015/04/30 09:39:10	139.8833	139.8833	2159.34				
465	2015/04/30 09:57:15	140.1847	140.1847	2159.32				
466	2015/04/30 10:15:16	140.4850	140.4850	2159.29				
467	2015/04/30 10:33:16	140.7850	140.7850	2159.30				
468	2015/04/30 10:51:21	141.0864	141.0864	2159.21				
469	2015/04/30 11:09:25	141.3875	141.3875	2159.27				
470	2015/04/30 11:27:26	141.6878	141.6878	2159.21				
471	2015/04/30 11:45:30	141.9889	141.9889	2159.24				
472	2015/04/30 12:03:30	142.2889	142.2889	2159.21				
473	2015/04/30 12:21:35	142.5903	142.5903	2159.28				
474	2015/04/30 12:39:35	142.8903	142.8903	2159.32				
475	2015/04/30 12:57:40	143.1917	143.1917	2159.28				
476	2015/04/30 13:15:45	143.4931	143.4931	2159.45				
477	2015/04/30 13:33:45	143.7931	143.7931	2159.46				
478	2015/04/30 13:51:50	144.0944	144.0944	2159.52				
479	2015/04/30 14:09:50	144.3944	144.3944	2159.60				
480	2015/04/30 14:27:55	144.6958	144.6958	2159.59				
481	2015/04/30 14:46:01	144.9975	144.9975	2159.58				
482	2015/04/30 15:04:06	145.2989	145.2989	2159.66				
483	2015/04/30 15:22:06	145.5989	145.5989	2159.68				
484	2015/04/30 15:40:11	145.9003	145.9003	2159.71				
485	2015/04/30 15:58:16	146.2017	146.2017	2159.76				
486	2015/04/30 16:16:20	146.5028	146.5028	2159.84				
487	2015/04/30 16:34:25	146.8042	146.8042	2159.85				
488	2015/04/30 16:52:25	147.1042	147.1042	2159.97				
489	2015/04/30 17:10:30	147.4056	147.4056	2159.95				
490	2015/04/30 17:28:30	147.7056	147.7056	2159.97				
491	2015/04/30 17:46:35	148.0069	148.0069	2160.00				
492	2015/04/30 18:04:40	148.3083	148.3083	2160.06				
493	2015/04/30 18:22:40	148.6083	148.6083	2160.00				
494	2015/04/30 18:40:45	148.9097	148.9097	2160.03				
495	2015/04/30 18:58:45	149.2097	149.2097	2160.07				
496	2015/04/30 19:16:46	149.5100	149.5100	2160.11				
497	2015/04/30 19:34:51	149.8114	149.8114	2160.20				
498	2015/04/30 19:52:51	150.1114	150.1114	2160.24				
499	2015/04/30 20:10:56	150.4128	150.4128	2160.39				
500	2015/04/30 20:28:56	150.7128	150.7128	2160.49				
501	2015/04/30 20:47:00	151.0139	151.0139	2160.50				
502	2015/04/30 21:05:05	151.3153	151.3153	2160.63				
503	2015/04/30 21:23:05	151.6153	151.6153	2160.83				
504	2015/04/30 21:41:10	151.9167	151.9167	2160.89				

EXHIBIT 8

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
505	2015/04/30 21:59:15	152.2181	152.2181	2160.75				
506	2015/04/30 22:17:15	152.5181	152.5181	2161.04				
507	2015/04/30 22:35:20	152.8194	152.8194	2161.20				
508	2015/04/30 22:53:20	153.1194	153.1194	2161.01				
509	2015/04/30 23:11:25	153.4208	153.4208	2161.18				
510	2015/04/30 23:29:30	153.7222	153.7222	2161.26				
511	2015/04/30 23:47:30	154.0222	154.0222	2161.33				
512	2015/05/01 00:05:35	154.3236	154.3236	2161.46				
513	2015/05/01 00:23:36	154.6239	154.6239	2161.48				
514	2015/05/01 00:41:41	154.9253	154.9253	2161.57				
515	2015/05/01 00:59:46	155.2267	155.2267	2161.61				
516	2015/05/01 01:17:46	155.5267	155.5267	2161.74				
517	2015/05/01 01:35:50	155.8278	155.8278	2161.75				
518	2015/05/01 01:53:50	156.1278	156.1278	2161.71				
519	2015/05/01 02:11:55	156.4292	156.4292	2161.84				
520	2015/05/01 02:30:00	156.7306	156.7306	2161.98				
521	2015/05/01 02:48:05	157.0319	157.0319	2162.09				
522	2015/05/01 03:06:05	157.3319	157.3319	2162.09				
523	2015/05/01 03:24:10	157.6333	157.6333	2162.14				
524	2015/05/01 03:42:10	157.9333	157.9333	2162.22				
525	2015/05/01 04:00:15	158.2347	158.2347	2162.30				
526	2015/05/01 04:18:20	158.5361	158.5361	2162.32				
527	2015/05/01 04:36:20	158.8361	158.8361	2162.38				
528	2015/05/01 04:54:25	159.1375	159.1375	2162.50				
529	2015/05/01 05:12:25	159.4375	159.4375	2162.57				
530	2015/05/01 05:30:26	159.7378	159.7378	2162.52				
531	2015/05/01 05:48:31	160.0392	160.0392	2162.67				
532	2015/05/01 06:06:31	160.3392	160.3392	2162.66				
533	2015/05/01 06:24:36	160.6406	160.6406	2162.70				
534	2015/05/01 06:42:40	160.9417	160.9417	2162.64				
535	2015/05/01 07:00:45	161.2431	161.2431	2162.71				
536	2015/05/01 07:18:50	161.5444	161.5444	2162.84				
537	2015/05/01 07:36:50	161.8444	161.8444	2162.83				
538	2015/05/01 07:54:55	162.1458	162.1458	2162.76				
539	2015/05/01 08:12:55	162.4458	162.4458	2162.79				
540	2015/05/01 08:31:00	162.7472	162.7472	2162.73				
541	2015/05/01 08:49:05	163.0486	163.0486	2162.71				
542	2015/05/01 09:07:10	163.3500	163.3500	2162.68				
543	2015/05/01 09:25:10	163.6500	163.6500	2162.66				
544	2015/05/01 09:43:15	163.9514	163.9514	2162.90				
545	2015/05/01 10:01:15	164.2514	164.2514	2162.95				
546	2015/05/01 10:19:16	164.5517	164.5517	2162.96				
547	2015/05/01 10:37:21	164.8531	164.8531	2162.95				
548	2015/05/01 10:55:21	165.1531	165.1531	2162.94				
549	2015/05/01 11:13:26	165.4544	165.4544	2162.97				
550	2015/05/01 11:29:55	165.7292	165.7292	2163.01				
551	2015/05/01 11:30:00	165.7306	165.7306	2163.02	0.000			
552	2015/05/01 11:30:06	165.7322	165.7322	2161.59				
553	2015/05/01 11:30:10	165.7333	165.7333	2161.79				
554	2015/05/01 11:30:15	165.7347	165.7347	2161.17				
555	2015/05/01 11:30:20	165.7361	165.7361	2159.44				
556	2015/05/01 11:30:25	165.7375	165.7375	2159.80				
557	2015/05/01 11:30:30	165.7389	165.7389	2158.06				
558	2015/05/01 11:30:35	165.7403	165.7403	2158.60				
559	2015/05/01 11:30:40	165.7417	165.7417	2158.66				
560	2015/05/01 11:30:46	165.7433	165.7433	2157.62				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
561	2015/05/01 11:30:50	165.7444	165.7444	2157.88				
562	2015/05/01 11:30:55	165.7458	165.7458	2157.83				
563	2015/05/01 11:31:00	165.7472	165.7472	2157.46				
564	2015/05/01 11:31:05	165.7486	165.7486	2157.50				
565	2015/05/01 11:31:10	165.7500	165.7500	2157.33				
566	2015/05/01 11:31:15	165.7514	165.7514	2157.28				
567	2015/05/01 11:31:21	165.7531	165.7531	2157.21				
568	2015/05/01 11:31:26	165.7544	165.7544	2157.15				
569	2015/05/01 11:31:30	165.7556	165.7556	2157.13				
570	2015/05/01 11:31:35	165.7569	165.7569	2157.09				
571	2015/05/01 11:31:40	165.7583	165.7583	2157.03				
572	2015/05/01 11:31:45	165.7597	165.7597	2156.99				
573	2015/05/01 11:31:50	165.7611	165.7611	2156.98				
574	2015/05/01 11:31:55	165.7625	165.7625	2156.96				
575	2015/05/01 11:32:01	165.7642	165.7642	2156.91				
576	2015/05/01 11:32:05	165.7653	165.7653	2156.89				
577	2015/05/01 11:32:10	165.7667	165.7667	2156.84				
578	2015/05/01 11:32:15	165.7681	165.7681	2156.79				
579	2015/05/01 11:32:20	165.7694	165.7694	2156.80				
580	2015/05/01 11:32:25	165.7708	165.7708	2156.74				
581	2015/05/01 11:32:30	165.7722	165.7722	2156.77				
582	2015/05/01 11:32:35	165.7736	165.7736	2156.73				
583	2015/05/01 11:32:40	165.7750	165.7750	2156.69				
584	2015/05/01 11:32:46	165.7767	165.7767	2156.70				
585	2015/05/01 11:32:50	165.7778	165.7778	2156.62				
586	2015/05/01 11:32:55	165.7792	165.7792	2156.57				
587	2015/05/01 11:33:00	165.7806	165.7806	2156.59				
588	2015/05/01 11:33:05	165.7819	165.7819	2156.56				
589	2015/05/01 11:33:10	165.7833	165.7833	2156.52				
590	2015/05/01 11:33:15	165.7847	165.7847	2156.53				
591	2015/05/01 11:33:20	165.7861	165.7861	2156.48				
592	2015/05/01 11:33:25	165.7875	165.7875	2156.47				
593	2015/05/01 11:33:31	165.7892	165.7892	2156.43				
594	2015/05/01 11:33:35	165.7903	165.7903	2156.45				
595	2015/05/01 11:33:40	165.7917	165.7917	2156.42				
596	2015/05/01 11:33:45	165.7931	165.7931	2156.38				
597	2015/05/01 11:33:50	165.7944	165.7944	2156.34				
598	2015/05/01 11:33:55	165.7958	165.7958	2156.32				
599	2015/05/01 11:34:00	165.7972	165.7972	2156.33				
600	2015/05/01 11:34:05	165.7986	165.7986	2156.30				
601	2015/05/01 11:34:10	165.8000	165.8000	2156.29				
602	2015/05/01 11:34:15	165.8014	165.8014	2156.28				
603	2015/05/01 11:34:20	165.8028	165.8028	2156.28				
604	2015/05/01 11:34:25	165.8042	165.8042	2156.27				
605	2015/05/01 11:34:30	165.8056	165.8056	2156.21				
606	2015/05/01 11:34:35	165.8069	165.8069	2156.18				
607	2015/05/01 11:34:40	165.8083	165.8083	2156.18				
608	2015/05/01 11:34:46	165.8100	165.8100	2156.16				
609	2015/05/01 11:34:50	165.8111	165.8111	2156.18				
610	2015/05/01 11:34:55	165.8125	165.8125	2156.15				
611	2015/05/01 11:35:00	165.8139	165.8139	2156.14				
612	2015/05/01 11:35:05	165.8153	165.8153	2156.09				
613	2015/05/01 11:35:10	165.8167	165.8167	2156.09				
614	2015/05/01 11:35:15	165.8181	165.8181	2156.03				
615	2015/05/01 11:35:20	165.8194	165.8194	2156.08				
616	2015/05/01 11:35:25	165.8208	165.8208	2156.05				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
617	2015/05/01 11:35:31	165.8225	165.8225	2156.05				
618	2015/05/01 11:35:36	165.8239	165.8239	2156.05				
619	2015/05/01 11:35:40	165.8250	165.8250	2156.01				
620	2015/05/01 11:35:45	165.8264	165.8264	2155.95				
621	2015/05/01 11:35:50	165.8278	165.8278	2155.98				
622	2015/05/01 11:35:55	165.8292	165.8292	2155.95				
623	2015/05/01 11:36:00	165.8306	165.8306	2155.96				
624	2015/05/01 11:36:05	165.8319	165.8319	2155.94				
625	2015/05/01 11:36:11	165.8336	165.8336	2155.93				
626	2015/05/01 11:36:15	165.8347	165.8347	2155.92				
627	2015/05/01 11:36:20	165.8361	165.8361	2155.92				
628	2015/05/01 11:36:25	165.8375	165.8375	2155.88				
629	2015/05/01 11:36:30	165.8389	165.8389	2155.90				
630	2015/05/01 11:36:35	165.8403	165.8403	2155.86				
631	2015/05/01 11:36:40	165.8417	165.8417	2155.86				
632	2015/05/01 11:36:45	165.8431	165.8431	2155.83				
633	2015/05/01 11:36:51	165.8447	165.8447	2155.82				
634	2015/05/01 11:36:55	165.8458	165.8458	2155.80				
635	2015/05/01 11:37:00	165.8472	165.8472	2155.81				
636	2015/05/01 11:37:05	165.8486	165.8486	2155.79				
637	2015/05/01 11:37:10	165.8500	165.8500	2155.81				
638	2015/05/01 11:37:15	165.8514	165.8514	2155.75				
639	2015/05/01 11:37:20	165.8528	165.8528	2155.75				
640	2015/05/01 11:37:26	165.8544	165.8544	2155.75				
641	2015/05/01 11:37:31	165.8558	165.8558	2155.72				
642	2015/05/01 11:37:35	165.8569	165.8569	2155.72				
643	2015/05/01 11:37:40	165.8583	165.8583	2155.74				
644	2015/05/01 11:37:45	165.8597	165.8597	2155.68				
645	2015/05/01 11:37:50	165.8611	165.8611	2155.68				
646	2015/05/01 11:37:55	165.8625	165.8625	2155.69				
647	2015/05/01 11:38:00	165.8639	165.8639	2155.68				
648	2015/05/01 11:38:06	165.8656	165.8656	2155.67				
649	2015/05/01 11:38:10	165.8667	165.8667	2155.64				
650	2015/05/01 11:38:16	165.8683	165.8683	2155.64				
651	2015/05/01 11:38:20	165.8694	165.8694	2155.60				
652	2015/05/01 11:38:25	165.8708	165.8708	2155.61				
653	2015/05/01 11:38:30	165.8722	165.8722	2155.60				
654	2015/05/01 11:38:35	165.8736	165.8736	2155.61				
655	2015/05/01 11:38:40	165.8750	165.8750	2155.57				
656	2015/05/01 11:38:45	165.8764	165.8764	2155.57				
657	2015/05/01 11:38:51	165.8781	165.8781	2155.59				
658	2015/05/01 11:38:55	165.8792	165.8792	2155.55				
659	2015/05/01 11:39:00	165.8806	165.8806	2155.54				
660	2015/05/01 11:39:05	165.8819	165.8819	2155.51				
661	2015/05/01 11:39:10	165.8833	165.8833	2155.54				
662	2015/05/01 11:39:15	165.8847	165.8847	2155.51				
663	2015/05/01 11:39:20	165.8861	165.8861	2155.54				
664	2015/05/01 11:39:25	165.8875	165.8875	2155.48				
665	2015/05/01 11:39:31	165.8892	165.8892	2155.45				
666	2015/05/01 11:39:35	165.8903	165.8903	2155.47				
667	2015/05/01 11:39:40	165.8917	165.8917	2155.46				
668	2015/05/01 11:39:45	165.8931	165.8931	2155.46				
669	2015/05/01 11:39:50	165.8944	165.8944	2155.45				
670	2015/05/01 11:39:55	165.8958	165.8958	2155.44				
671	2015/05/01 11:40:00	165.8972	165.8972	2155.44				
672	2015/05/01 11:40:06	165.8989	165.8989	2155.41				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
673	2015/05/01 11:40:10	165.9000	165.9000	2155.38				
674	2015/05/01 11:40:15	165.9014	165.9014	2155.35				
675	2015/05/01 11:40:20	165.9028	165.9028	2155.35				
676	2015/05/01 11:40:25	165.9042	165.9042	2155.41				
677	2015/05/01 11:40:30	165.9056	165.9056	2155.38				
678	2015/05/01 11:40:35	165.9069	165.9069	2155.36				
679	2015/05/01 11:40:40	165.9083	165.9083	2155.34				
680	2015/05/01 11:40:46	165.9100	165.9100	2155.36				
681	2015/05/01 11:40:50	165.9111	165.9111	2155.31				
682	2015/05/01 11:40:55	165.9125	165.9125	2155.27				
683	2015/05/01 11:41:00	165.9139	165.9139	2155.30				
684	2015/05/01 11:41:05	165.9153	165.9153	2155.32				
685	2015/05/01 11:41:10	165.9167	165.9167	2155.28				
686	2015/05/01 11:41:15	165.9181	165.9181	2155.30				
687	2015/05/01 11:41:20	165.9194	165.9194	2155.25				
688	2015/05/01 11:41:26	165.9211	165.9211	2155.30				
689	2015/05/01 11:41:30	165.9222	165.9222	2155.26				
690	2015/05/01 11:41:35	165.9236	165.9236	2155.23				
691	2015/05/01 11:41:40	165.9250	165.9250	2155.22				
692	2015/05/01 11:41:45	165.9264	165.9264	2155.24				
693	2015/05/01 11:41:50	165.9278	165.9278	2155.21				
694	2015/05/01 11:41:55	165.9292	165.9292	2155.22				
695	2015/05/01 11:42:00	165.9306	165.9306	2155.21				
696	2015/05/01 11:42:05	165.9319	165.9319	2155.20				
697	2015/05/01 11:42:10	165.9333	165.9333	2155.18				
698	2015/05/01 11:42:15	165.9347	165.9347	2155.19				
699	2015/05/01 11:42:20	165.9361	165.9361	2155.17				
700	2015/05/01 11:42:25	165.9375	165.9375	2155.21				
701	2015/05/01 11:42:30	165.9389	165.9389	2155.16				
702	2015/05/01 11:42:35	165.9403	165.9403	2155.13				
703	2015/05/01 11:42:40	165.9417	165.9417	2155.15				
704	2015/05/01 11:42:45	165.9431	165.9431	2155.14				
705	2015/05/01 11:42:50	165.9444	165.9444	2155.15				
706	2015/05/01 11:42:55	165.9458	165.9458	2155.11				
707	2015/05/01 11:43:00	165.9472	165.9472	2155.09				
708	2015/05/01 11:43:05	165.9486	165.9486	2155.09				
709	2015/05/01 11:43:10	165.9500	165.9500	2155.09				
710	2015/05/01 11:43:15	165.9514	165.9514	2155.11				
711	2015/05/01 11:43:20	165.9528	165.9528	2155.08				
712	2015/05/01 11:43:25	165.9542	165.9542	2155.07				
713	2015/05/01 11:43:30	165.9556	165.9556	2155.07				
714	2015/05/01 11:43:35	165.9569	165.9569	2155.07				
715	2015/05/01 11:43:40	165.9583	165.9583	2155.06				
716	2015/05/01 11:43:45	165.9597	165.9597	2155.05				
717	2015/05/01 11:43:50	165.9611	165.9611	2155.04				
718	2015/05/01 11:43:55	165.9625	165.9625	2155.01				
719	2015/05/01 11:44:00	165.9639	165.9639	2155.01				
720	2015/05/01 11:44:05	165.9653	165.9653	2155.04				
721	2015/05/01 11:44:10	165.9667	165.9667	2155.00				
722	2015/05/01 11:44:15	165.9681	165.9681	2154.97				
723	2015/05/01 11:44:20	165.9694	165.9694	2154.99				
724	2015/05/01 11:44:25	165.9708	165.9708	2154.96				
725	2015/05/01 11:44:30	165.9722	165.9722	2154.96				
726	2015/05/01 11:44:35	165.9736	165.9736	2154.98				
727	2015/05/01 11:44:40	165.9750	165.9750	2154.93				
728	2015/05/01 11:44:45	165.9764	165.9764	2154.93				

EXHIBIT 8

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
729	2015/05/01 11:44:50	165.9778	165.9778	2154.93				
730	2015/05/01 11:44:55	165.9792	165.9792	2154.96				
731	2015/05/01 11:45:00	165.9806	165.9806	2154.90				
732	2015/05/01 11:45:05	165.9819	165.9819	2154.91				
733	2015/05/01 11:45:10	165.9833	165.9833	2154.91				
734	2015/05/01 11:45:15	165.9847	165.9847	2154.90				
735	2015/05/01 11:45:20	165.9861	165.9861	2154.88				
736	2015/05/01 11:45:25	165.9875	165.9875	2154.93				
737	2015/05/01 11:45:30	165.9889	165.9889	2154.86				
738	2015/05/01 11:45:35	165.9903	165.9903	2154.86				
739	2015/05/01 11:45:40	165.9917	165.9917	2154.89				
740	2015/05/01 11:45:45	165.9931	165.9931	2154.89				
741	2015/05/01 11:45:50	165.9944	165.9944	2154.83				
742	2015/05/01 11:45:55	165.9958	165.9958	2154.85				
743	2015/05/01 11:46:00	165.9972	165.9972	2154.84				
744	2015/05/01 11:46:05	165.9986	165.9986	2154.83				
745	2015/05/01 11:46:10	166.0000	166.0000	2154.84				
746	2015/05/01 11:46:15	166.0014	166.0014	2154.81				
747	2015/05/01 11:46:20	166.0028	166.0028	2154.79				
748	2015/05/01 11:46:25	166.0042	166.0042	2154.82				
749	2015/05/01 11:46:30	166.0056	166.0056	2154.80				
750	2015/05/01 11:46:35	166.0069	166.0069	2154.80				
751	2015/05/01 11:46:40	166.0083	166.0083	2154.80				
752	2015/05/01 11:46:45	166.0097	166.0097	2154.77				
753	2015/05/01 11:46:50	166.0111	166.0111	2154.78				
754	2015/05/01 11:46:55	166.0125	166.0125	2154.80				
755	2015/05/01 11:47:00	166.0139	166.0139	2154.75				
756	2015/05/01 11:47:05	166.0153	166.0153	2154.75				
757	2015/05/01 11:47:10	166.0167	166.0167	2154.78				
758	2015/05/01 11:47:15	166.0181	166.0181	2154.73				
759	2015/05/01 11:47:20	166.0194	166.0194	2154.75				
760	2015/05/01 11:47:25	166.0208	166.0208	2154.75				
761	2015/05/01 11:47:30	166.0222	166.0222	2154.73				
762	2015/05/01 11:47:35	166.0236	166.0236	2154.72				
763	2015/05/01 11:47:40	166.0250	166.0250	2154.73				
764	2015/05/01 11:47:45	166.0264	166.0264	2154.69				
765	2015/05/01 11:47:50	166.0278	166.0278	2154.69				
766	2015/05/01 11:47:55	166.0292	166.0292	2154.71				
767	2015/05/01 11:48:00	166.0306	166.0306	2154.70				
768	2015/05/01 11:48:05	166.0319	166.0319	2154.68				
769	2015/05/01 11:48:10	166.0333	166.0333	2154.73				
770	2015/05/01 11:48:15	166.0347	166.0347	2154.64				
771	2015/05/01 11:48:20	166.0361	166.0361	2154.65				
772	2015/05/01 11:48:25	166.0375	166.0375	2154.67				
773	2015/05/01 11:48:30	166.0389	166.0389	2154.65				
774	2015/05/01 11:48:35	166.0403	166.0403	2154.67				
775	2015/05/01 11:48:40	166.0417	166.0417	2154.64				
776	2015/05/01 11:48:45	166.0431	166.0431	2154.62				
777	2015/05/01 11:48:50	166.0444	166.0444	2154.64				
778	2015/05/01 11:49:00	166.0472	166.0472	2154.61				
779	2015/05/01 11:49:05	166.0486	166.0486	2154.61				
780	2015/05/01 11:49:10	166.0500	166.0500	2154.61				
781	2015/05/01 11:49:15	166.0514	166.0514	2154.62				
782	2015/05/01 11:49:20	166.0528	166.0528	2154.58				
783	2015/05/01 11:49:25	166.0542	166.0542	2154.58				
784	2015/05/01 11:49:30	166.0556	166.0556	2154.58				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
785	2015/05/01 11:49:35	166.0569	166.0569	2154.59				
786	2015/05/01 11:49:40	166.0583	166.0583	2154.57				
787	2015/05/01 11:49:45	166.0597	166.0597	2154.58				
788	2015/05/01 11:49:50	166.0611	166.0611	2154.57				
789	2015/05/01 11:49:55	166.0625	166.0625	2154.55				
790	2015/05/01 11:50:00	166.0639	166.0639	2154.57				
791	2015/05/01 11:50:10	166.0667	166.0667	2154.56				
792	2015/05/01 11:50:15	166.0681	166.0681	2154.49				
793	2015/05/01 11:50:20	166.0694	166.0694	2154.51				
794	2015/05/01 11:50:25	166.0708	166.0708	2154.54				
795	2015/05/01 11:50:30	166.0722	166.0722	2154.48				
796	2015/05/01 11:50:35	166.0736	166.0736	2154.48				
797	2015/05/01 11:50:40	166.0750	166.0750	2154.48				
798	2015/05/01 11:50:50	166.0778	166.0778	2154.48				
799	2015/05/01 11:50:55	166.0792	166.0792	2154.45				
800	2015/05/01 11:51:00	166.0806	166.0806	2154.47				
801	2015/05/01 11:51:05	166.0819	166.0819	2154.49				
802	2015/05/01 11:51:10	166.0833	166.0833	2154.47				
803	2015/05/01 11:51:15	166.0847	166.0847	2154.44				
804	2015/05/01 11:51:25	166.0875	166.0875	2154.44				
805	2015/05/01 11:51:30	166.0889	166.0889	2154.45				
806	2015/05/01 11:51:35	166.0903	166.0903	2154.41				
807	2015/05/01 11:51:40	166.0917	166.0917	2154.41				
808	2015/05/01 11:51:45	166.0931	166.0931	2154.41				
809	2015/05/01 11:51:55	166.0958	166.0958	2154.42				
810	2015/05/01 11:52:00	166.0972	166.0972	2154.37				
811	2015/05/01 11:52:05	166.0986	166.0986	2154.40				
812	2015/05/01 11:52:10	166.1000	166.1000	2154.43				
813	2015/05/01 11:52:15	166.1014	166.1014	2154.38				
814	2015/05/01 11:52:25	166.1042	166.1042	2154.36				
815	2015/05/01 11:52:30	166.1056	166.1056	2154.40				
816	2015/05/01 11:52:35	166.1069	166.1069	2154.38				
817	2015/05/01 11:52:40	166.1083	166.1083	2154.34				
818	2015/05/01 11:52:50	166.1111	166.1111	2154.35				
819	2015/05/01 11:52:55	166.1125	166.1125	2154.34				
820	2015/05/01 11:53:00	166.1139	166.1139	2154.33				
821	2015/05/01 11:53:05	166.1153	166.1153	2154.36				
822	2015/05/01 11:53:15	166.1181	166.1181	2154.36				
823	2015/05/01 11:53:20	166.1194	166.1194	2154.31				
824	2015/05/01 11:53:25	166.1208	166.1208	2154.31				
825	2015/05/01 11:53:35	166.1236	166.1236	2154.28				
826	2015/05/01 11:53:40	166.1250	166.1250	2154.33				
827	2015/05/01 11:53:45	166.1264	166.1264	2154.29				
828	2015/05/01 11:53:55	166.1292	166.1292	2154.33				
829	2015/05/01 11:54:00	166.1306	166.1306	2154.29				
830	2015/05/01 11:54:05	166.1319	166.1319	2154.33				
831	2015/05/01 11:54:15	166.1347	166.1347	2154.28				
832	2015/05/01 11:54:20	166.1361	166.1361	2154.25				
833	2015/05/01 11:54:25	166.1375	166.1375	2154.25				
834	2015/05/01 11:54:35	166.1403	166.1403	2154.24				
835	2015/05/01 11:54:40	166.1417	166.1417	2154.24				
836	2015/05/01 11:54:45	166.1431	166.1431	2154.22				
837	2015/05/01 11:54:55	166.1458	166.1458	2154.22				
838	2015/05/01 11:55:00	166.1472	166.1472	2154.23				
839	2015/05/01 11:55:05	166.1486	166.1486	2154.22				
840	2015/05/01 11:55:15	166.1514	166.1514	2154.22				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
841	2015/05/01 11:55:20	166.1528	166.1528	2154.21				
842	2015/05/01 11:55:30	166.1556	166.1556	2154.24				
843	2015/05/01 11:55:35	166.1569	166.1569	2154.22				
844	2015/05/01 11:55:45	166.1597	166.1597	2154.15				
845	2015/05/01 11:55:50	166.1611	166.1611	2154.19				
846	2015/05/01 11:55:55	166.1625	166.1625	2154.24				
847	2015/05/01 11:56:05	166.1653	166.1653	2154.18				
848	2015/05/01 11:56:10	166.1667	166.1667	2154.16				
849	2015/05/01 11:56:20	166.1694	166.1694	2154.20				
850	2015/05/01 11:56:25	166.1708	166.1708	2154.16				
851	2015/05/01 11:56:35	166.1736	166.1736	2154.13				
852	2015/05/01 11:56:40	166.1750	166.1750	2154.13				
853	2015/05/01 11:56:50	166.1778	166.1778	2154.14				
854	2015/05/01 11:56:55	166.1792	166.1792	2154.12				
855	2015/05/01 11:57:05	166.1819	166.1819	2154.12				
856	2015/05/01 11:57:10	166.1833	166.1833	2154.11				
857	2015/05/01 11:57:20	166.1861	166.1861	2154.11				
858	2015/05/01 11:57:25	166.1875	166.1875	2154.11				
859	2015/05/01 11:57:35	166.1903	166.1903	2154.05				
860	2015/05/01 11:57:40	166.1917	166.1917	2154.10				
861	2015/05/01 11:57:50	166.1944	166.1944	2154.11				
862	2015/05/01 11:57:55	166.1958	166.1958	2154.08				
863	2015/05/01 11:58:05	166.1986	166.1986	2154.08				
864	2015/05/01 11:58:10	166.2000	166.2000	2154.06				
865	2015/05/01 11:58:20	166.2028	166.2028	2154.06				
866	2015/05/01 11:58:25	166.2042	166.2042	2154.05				
867	2015/05/01 11:58:35	166.2069	166.2069	2154.02				
868	2015/05/01 11:58:45	166.2097	166.2097	2154.03				
869	2015/05/01 11:58:50	166.2111	166.2111	2154.04				
870	2015/05/01 11:59:00	166.2139	166.2139	2154.01				
871	2015/05/01 11:59:05	166.2153	166.2153	2154.04				
872	2015/05/01 11:59:15	166.2181	166.2181	2154.01				
873	2015/05/01 11:59:25	166.2208	166.2208	2153.96				
874	2015/05/01 11:59:30	166.2222	166.2222	2153.99				
875	2015/05/01 11:59:40	166.2250	166.2250	2153.99				
876	2015/05/01 11:59:50	166.2278	166.2278	2153.97				
877	2015/05/01 11:59:55	166.2292	166.2292	2153.96				
878	2015/05/01 12:00:05	166.2319	166.2319	2153.93				
879	2015/05/01 12:00:15	166.2347	166.2347	2153.99				
880	2015/05/01 12:00:20	166.2361	166.2361	2153.96				
881	2015/05/01 12:00:30	166.2389	166.2389	2153.93				
882	2015/05/01 12:00:40	166.2417	166.2417	2153.96				
883	2015/05/01 12:00:45	166.2431	166.2431	2153.93				
884	2015/05/01 12:00:55	166.2458	166.2458	2153.90				
885	2015/05/01 12:01:05	166.2486	166.2486	2153.89				
886	2015/05/01 12:01:10	166.2500	166.2500	2153.90				
887	2015/05/01 12:01:20	166.2528	166.2528	2153.89				
888	2015/05/01 12:01:30	166.2556	166.2556	2153.93				
889	2015/05/01 12:01:40	166.2583	166.2583	2153.89				
890	2015/05/01 12:01:45	166.2597	166.2597	2153.86				
891	2015/05/01 12:01:55	166.2625	166.2625	2153.88				
892	2015/05/01 12:02:05	166.2653	166.2653	2153.86				
893	2015/05/01 12:02:15	166.2681	166.2681	2153.84				
894	2015/05/01 12:02:25	166.2708	166.2708	2153.87				
895	2015/05/01 12:02:30	166.2722	166.2722	2153.85				
896	2015/05/01 12:02:40	166.2750	166.2750	2153.83				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
897	2015/05/01 12:02:50	166.2778	166.2778	2153.82				
898	2015/05/01 12:03:00	166.2806	166.2806	2153.80				
899	2015/05/01 12:03:10	166.2833	166.2833	2153.84				
900	2015/05/01 12:03:15	166.2847	166.2847	2153.81				
901	2015/05/01 12:03:25	166.2875	166.2875	2153.80				
902	2015/05/01 12:03:35	166.2903	166.2903	2153.80				
903	2015/05/01 12:03:45	166.2931	166.2931	2153.80				
904	2015/05/01 12:03:55	166.2958	166.2958	2153.80				
905	2015/05/01 12:04:05	166.2986	166.2986	2153.81				
906	2015/05/01 12:04:15	166.3014	166.3014	2153.77				
907	2015/05/01 12:04:25	166.3042	166.3042	2153.77				
908	2015/05/01 12:04:30	166.3056	166.3056	2153.77				
909	2015/05/01 12:04:40	166.3083	166.3083	2153.75				
910	2015/05/01 12:04:50	166.3111	166.3111	2153.73				
911	2015/05/01 12:05:00	166.3139	166.3139	2153.76				
912	2015/05/01 12:05:10	166.3167	166.3167	2153.70				
913	2015/05/01 12:05:20	166.3194	166.3194	2153.73				
914	2015/05/01 12:05:30	166.3222	166.3222	2153.73				
915	2015/05/01 12:05:40	166.3250	166.3250	2153.75				
916	2015/05/01 12:05:50	166.3278	166.3278	2153.71				
917	2015/05/01 12:06:00	166.3306	166.3306	2153.66				
918	2015/05/01 12:06:10	166.3333	166.3333	2153.69				
919	2015/05/01 12:06:20	166.3361	166.3361	2153.68				
920	2015/05/01 12:06:30	166.3389	166.3389	2153.64				
921	2015/05/01 12:06:40	166.3417	166.3417	2153.68				
922	2015/05/01 12:06:50	166.3444	166.3444	2153.63				
923	2015/05/01 12:07:00	166.3472	166.3472	2153.65				
924	2015/05/01 12:07:10	166.3500	166.3500	2153.68				
925	2015/05/01 12:07:20	166.3528	166.3528	2153.63				
926	2015/05/01 12:07:30	166.3556	166.3556	2153.65				
927	2015/05/01 12:07:40	166.3583	166.3583	2153.63				
928	2015/05/01 12:07:50	166.3611	166.3611	2153.63				
929	2015/05/01 12:08:05	166.3653	166.3653	2153.61				
930	2015/05/01 12:08:15	166.3681	166.3681	2153.66				
931	2015/05/01 12:08:25	166.3708	166.3708	2153.61				
932	2015/05/01 12:08:35	166.3736	166.3736	2153.57				
933	2015/05/01 12:08:45	166.3764	166.3764	2153.59				
934	2015/05/01 12:08:55	166.3792	166.3792	2153.60				
935	2015/05/01 12:09:05	166.3819	166.3819	2153.54				
936	2015/05/01 12:09:20	166.3861	166.3861	2153.57				
937	2015/05/01 12:09:30	166.3889	166.3889	2153.52				
938	2015/05/01 12:09:40	166.3917	166.3917	2153.55				
939	2015/05/01 12:09:50	166.3944	166.3944	2153.51				
940	2015/05/01 12:10:00	166.3972	166.3972	2153.54				
941	2015/05/01 12:10:15	166.4014	166.4014	2153.50				
942	2015/05/01 12:10:25	166.4042	166.4042	2153.50				
943	2015/05/01 12:10:35	166.4069	166.4069	2153.52				
944	2015/05/01 12:10:45	166.4097	166.4097	2153.52				
945	2015/05/01 12:11:00	166.4139	166.4139	2153.52				
946	2015/05/01 12:11:10	166.4167	166.4167	2153.51				
947	2015/05/01 12:11:20	166.4194	166.4194	2153.52				
948	2015/05/01 12:11:30	166.4222	166.4222	2153.46				
949	2015/05/01 12:11:45	166.4264	166.4264	2153.50				
950	2015/05/01 12:11:55	166.4292	166.4292	2153.45				
951	2015/05/01 12:12:05	166.4319	166.4319	2153.45				
952	2015/05/01 12:12:20	166.4361	166.4361	2153.42				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
953	2015/05/01 12:12:30	166.4389	166.4389	2153.42				
954	2015/05/01 12:12:40	166.4417	166.4417	2153.44				
955	2015/05/01 12:12:55	166.4458	166.4458	2153.46				
956	2015/05/01 12:13:05	166.4486	166.4486	2153.43				
957	2015/05/01 12:13:15	166.4514	166.4514	2153.43				
958	2015/05/01 12:13:30	166.4556	166.4556	2153.43				
959	2015/05/01 12:13:40	166.4583	166.4583	2153.41				
960	2015/05/01 12:13:55	166.4625	166.4625	2153.40				
961	2015/05/01 12:14:05	166.4653	166.4653	2153.38				
962	2015/05/01 12:14:20	166.4694	166.4694	2153.39				
963	2015/05/01 12:14:30	166.4722	166.4722	2153.38				
964	2015/05/01 12:14:45	166.4764	166.4764	2153.39				
965	2015/05/01 12:14:55	166.4792	166.4792	2153.37				
966	2015/05/01 12:15:10	166.4833	166.4833	2153.35				
967	2015/05/01 12:15:20	166.4861	166.4861	2153.37				
968	2015/05/01 12:15:35	166.4903	166.4903	2153.33				
969	2015/05/01 12:15:45	166.4931	166.4931	2153.36				
970	2015/05/01 12:16:00	166.4972	166.4972	2153.31				
971	2015/05/01 12:16:10	166.5000	166.5000	2153.30				
972	2015/05/01 12:16:25	166.5042	166.5042	2153.29				
973	2015/05/01 12:16:35	166.5069	166.5069	2153.32				
974	2015/05/01 12:16:50	166.5111	166.5111	2153.28				
975	2015/05/01 12:17:00	166.5139	166.5139	2153.27				
976	2015/05/01 12:17:15	166.5181	166.5181	2153.27				
977	2015/05/01 12:17:30	166.5222	166.5222	2153.27				
978	2015/05/01 12:17:40	166.5250	166.5250	2153.25				
979	2015/05/01 12:17:55	166.5292	166.5292	2153.26				
980	2015/05/01 12:18:10	166.5333	166.5333	2153.28				
981	2015/05/01 12:18:20	166.5361	166.5361	2153.24				
982	2015/05/01 12:18:35	166.5403	166.5403	2153.28				
983	2015/05/01 12:18:50	166.5444	166.5444	2153.25				
984	2015/05/01 12:19:00	166.5472	166.5472	2153.24				
985	2015/05/01 12:19:15	166.5514	166.5514	2153.23				
986	2015/05/01 12:19:30	166.5556	166.5556	2153.20				
987	2015/05/01 12:19:45	166.5597	166.5597	2153.25				
988	2015/05/01 12:19:55	166.5625	166.5625	2153.21				
989	2015/05/01 12:20:10	166.5667	166.5667	2153.16				
990	2015/05/01 12:20:25	166.5708	166.5708	2153.20				
991	2015/05/01 12:20:40	166.5750	166.5750	2153.18				
992	2015/05/01 12:20:50	166.5778	166.5778	2153.16				
993	2015/05/01 12:21:05	166.5819	166.5819	2153.18				
994	2015/05/01 12:21:20	166.5861	166.5861	2153.13				
995	2015/05/01 12:21:35	166.5903	166.5903	2153.16				
996	2015/05/01 12:21:50	166.5944	166.5944	2153.14				
997	2015/05/01 12:22:05	166.5986	166.5986	2153.11				
998	2015/05/01 12:22:20	166.6028	166.6028	2153.14				
999	2015/05/01 12:22:30	166.6056	166.6056	2153.10				
1000	2015/05/01 12:22:45	166.6097	166.6097	2153.13				
1001	2015/05/01 12:23:00	166.6139	166.6139	2153.09				
1002	2015/05/01 12:23:15	166.6181	166.6181	2153.09				
1003	2015/05/01 12:23:30	166.6222	166.6222	2153.08				
1004	2015/05/01 12:23:45	166.6264	166.6264	2153.04				
1005	2015/05/01 12:24:00	166.6306	166.6306	2153.09				
1006	2015/05/01 12:24:15	166.6347	166.6347	2153.04				
1007	2015/05/01 12:24:30	166.6389	166.6389	2153.06				
1008	2015/05/01 12:24:45	166.6431	166.6431	2153.03				

EXHIBIT 8

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1009	2015/05/01 12:25:00	166.6472	166.6472	2153.06				
1010	2015/05/01 12:25:15	166.6514	166.6514	2153.03				
1011	2015/05/01 12:25:30	166.6556	166.6556	2153.06				
1012	2015/05/01 12:25:45	166.6597	166.6597	2153.02				
1013	2015/05/01 12:26:00	166.6639	166.6639	2153.02				
1014	2015/05/01 12:26:20	166.6694	166.6694	2153.04				
1015	2015/05/01 12:26:35	166.6736	166.6736	2153.00				
1016	2015/05/01 12:26:50	166.6778	166.6778	2152.96				
1017	2015/05/01 12:27:05	166.6819	166.6819	2152.98				
1018	2015/05/01 12:27:20	166.6861	166.6861	2152.97				
1019	2015/05/01 12:27:35	166.6903	166.6903	2153.00				
1020	2015/05/01 12:27:55	166.6958	166.6958	2152.95				
1021	2015/05/01 12:28:10	166.7000	166.7000	2152.93				
1022	2015/05/01 12:28:25	166.7042	166.7042	2152.93				
1023	2015/05/01 12:28:40	166.7083	166.7083	2152.93				
1024	2015/05/01 12:28:55	166.7125	166.7125	2152.96				
1025	2015/05/01 12:29:15	166.7181	166.7181	2152.92				
1026	2015/05/01 12:29:30	166.7222	166.7222	2152.91				
1027	2015/05/01 12:29:45	166.7264	166.7264	2152.93				
1028	2015/05/01 12:30:05	166.7319	166.7319	2152.90				
1029	2015/05/01 12:30:20	166.7361	166.7361	2152.91				
1030	2015/05/01 12:30:35	166.7403	166.7403	2152.89				
1031	2015/05/01 12:30:55	166.7458	166.7458	2152.89				
1032	2015/05/01 12:31:10	166.7500	166.7500	2152.88				
1033	2015/05/01 12:31:25	166.7542	166.7542	2152.88				
1034	2015/05/01 12:31:45	166.7597	166.7597	2152.88				
1035	2015/05/01 12:32:00	166.7639	166.7639	2152.89				
1036	2015/05/01 12:32:20	166.7694	166.7694	2152.86				
1037	2015/05/01 12:32:35	166.7736	166.7736	2152.85				
1038	2015/05/01 12:32:55	166.7792	166.7792	2152.83				
1039	2015/05/01 12:33:10	166.7833	166.7833	2152.81				
1040	2015/05/01 12:33:30	166.7889	166.7889	2152.79				
1041	2015/05/01 12:33:45	166.7931	166.7931	2152.81				
1042	2015/05/01 12:34:05	166.7986	166.7986	2152.78				
1043	2015/05/01 12:34:20	166.8028	166.8028	2152.78				
1044	2015/05/01 12:34:40	166.8083	166.8083	2152.78				
1045	2015/05/01 12:34:55	166.8125	166.8125	2152.78				
1046	2015/05/01 12:35:15	166.8181	166.8181	2152.76				
1047	2015/05/01 12:35:35	166.8236	166.8236	2152.74				
1048	2015/05/01 12:35:50	166.8278	166.8278	2152.77				
1049	2015/05/01 12:36:10	166.8333	166.8333	2152.72				
1050	2015/05/01 12:36:25	166.8375	166.8375	2152.74				
1051	2015/05/01 12:36:45	166.8431	166.8431	2152.72				
1052	2015/05/01 12:37:05	166.8486	166.8486	2152.73				
1053	2015/05/01 12:37:25	166.8542	166.8542	2152.70				
1054	2015/05/01 12:37:40	166.8583	166.8583	2152.74				
1055	2015/05/01 12:38:00	166.8639	166.8639	2152.70				
1056	2015/05/01 12:38:20	166.8694	166.8694	2152.70				
1057	2015/05/01 12:38:40	166.8750	166.8750	2152.63				
1058	2015/05/01 12:38:55	166.8792	166.8792	2152.67				
1059	2015/05/01 12:39:15	166.8847	166.8847	2152.67				
1060	2015/05/01 12:39:35	166.8903	166.8903	2152.68				
1061	2015/05/01 12:39:55	166.8958	166.8958	2152.64				
1062	2015/05/01 12:40:15	166.9014	166.9014	2152.68				
1063	2015/05/01 12:40:35	166.9069	166.9069	2152.61				
1064	2015/05/01 12:40:55	166.9125	166.9125	2152.63				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1065	2015/05/01 12:41:15	166.9181	166.9181	2152.61				
1066	2015/05/01 12:41:35	166.9236	166.9236	2152.60				
1067	2015/05/01 12:41:50	166.9278	166.9278	2152.63				
1068	2015/05/01 12:42:10	166.9333	166.9333	2152.62				
1069	2015/05/01 12:42:30	166.9389	166.9389	2152.57				
1070	2015/05/01 12:42:50	166.9444	166.9444	2152.59				
1071	2015/05/01 12:43:15	166.9514	166.9514	2152.57				
1072	2015/05/01 12:43:35	166.9569	166.9569	2152.57				
1073	2015/05/01 12:43:55	166.9625	166.9625	2152.58				
1074	2015/05/01 12:44:15	166.9681	166.9681	2152.55				
1075	2015/05/01 12:44:35	166.9736	166.9736	2152.55				
1076	2015/05/01 12:44:55	166.9792	166.9792	2152.52				
1077	2015/05/01 12:45:15	166.9847	166.9847	2152.54				
1078	2015/05/01 12:45:35	166.9903	166.9903	2152.56				
1079	2015/05/01 12:46:00	166.9972	166.9972	2152.53				
1080	2015/05/01 12:46:20	167.0028	167.0028	2152.51				
1081	2015/05/01 12:46:40	167.0083	167.0083	2152.47				
1082	2015/05/01 12:47:00	167.0139	167.0139	2152.49				
1083	2015/05/01 12:47:20	167.0194	167.0194	2152.47				
1084	2015/05/01 12:47:45	167.0264	167.0264	2152.48				
1085	2015/05/01 12:48:05	167.0319	167.0319	2152.48				
1086	2015/05/01 12:48:25	167.0375	167.0375	2152.45				
1087	2015/05/01 12:48:50	167.0444	167.0444	2152.45				
1088	2015/05/01 12:49:10	167.0500	167.0500	2152.41				
1089	2015/05/01 12:49:30	167.0556	167.0556	2152.43				
1090	2015/05/01 12:49:55	167.0625	167.0625	2152.41				
1091	2015/05/01 12:50:15	167.0681	167.0681	2152.42				
1092	2015/05/01 12:50:40	167.0750	167.0750	2152.45				
1093	2015/05/01 12:51:00	167.0806	167.0806	2152.42				
1094	2015/05/01 12:51:25	167.0875	167.0875	2152.39				
1095	2015/05/01 12:51:45	167.0931	167.0931	2152.39				
1096	2015/05/01 12:52:10	167.1000	167.1000	2152.40				
1097	2015/05/01 12:52:30	167.1056	167.1056	2152.36				
1098	2015/05/01 12:52:55	167.1125	167.1125	2152.34				
1099	2015/05/01 12:53:15	167.1181	167.1181	2152.36				
1100	2015/05/01 12:53:40	167.1250	167.1250	2152.36				
1101	2015/05/01 12:54:05	167.1319	167.1319	2152.33				
1102	2015/05/01 12:54:25	167.1375	167.1375	2152.32				
1103	2015/05/01 12:54:50	167.1444	167.1444	2152.32				
1104	2015/05/01 12:55:15	167.1514	167.1514	2152.30				
1105	2015/05/01 12:55:40	167.1583	167.1583	2152.32				
1106	2015/05/01 12:56:00	167.1639	167.1639	2152.28				
1107	2015/05/01 12:56:25	167.1708	167.1708	2152.30				
1108	2015/05/01 12:56:50	167.1778	167.1778	2152.25				
1109	2015/05/01 12:57:15	167.1847	167.1847	2152.29				
1110	2015/05/01 12:57:35	167.1903	167.1903	2152.22				
1111	2015/05/01 12:58:00	167.1972	167.1972	2152.28				
1112	2015/05/01 12:58:25	167.2042	167.2042	2152.26				
1113	2015/05/01 12:58:50	167.2111	167.2111	2152.21				
1114	2015/05/01 12:59:15	167.2181	167.2181	2152.21				
1115	2015/05/01 12:59:40	167.2250	167.2250	2152.22				
1116	2015/05/01 13:00:05	167.2319	167.2319	2152.21				
1117	2015/05/01 13:00:30	167.2389	167.2389	2152.19				
1118	2015/05/01 13:00:55	167.2458	167.2458	2152.15				
1119	2015/05/01 13:01:20	167.2528	167.2528	2152.19				
1120	2015/05/01 13:01:45	167.2597	167.2597	2152.15				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1121	2015/05/01 13:02:10	167.2667	167.2667	2152.16				
1122	2015/05/01 13:02:35	167.2736	167.2736	2152.17				
1123	2015/05/01 13:03:00	167.2806	167.2806	2152.18				
1124	2015/05/01 13:03:30	167.2889	167.2889	2152.14				
1125	2015/05/01 13:03:55	167.2958	167.2958	2152.17				
1126	2015/05/01 13:04:20	167.3028	167.3028	2152.16				
1127	2015/05/01 13:04:45	167.3097	167.3097	2152.13				
1128	2015/05/01 13:05:10	167.3167	167.3167	2152.13				
1129	2015/05/01 13:05:40	167.3250	167.3250	2152.10				
1130	2015/05/01 13:06:05	167.3319	167.3319	2152.09				
1131	2015/05/01 13:06:30	167.3389	167.3389	2152.03				
1132	2015/05/01 13:07:00	167.3472	167.3472	2152.09				
1133	2015/05/01 13:07:25	167.3542	167.3542	2152.05				
1134	2015/05/01 13:07:50	167.3611	167.3611	2152.07				
1135	2015/05/01 13:08:20	167.3694	167.3694	2152.07				
1136	2015/05/01 13:08:45	167.3764	167.3764	2152.06				
1137	2015/05/01 13:09:15	167.3847	167.3847	2152.05				
1138	2015/05/01 13:09:40	167.3917	167.3917	2152.04				
1139	2015/05/01 13:10:10	167.4000	167.4000	2152.06				
1140	2015/05/01 13:10:35	167.4069	167.4069	2152.00				
1141	2015/05/01 13:11:05	167.4153	167.4153	2152.00				
1142	2015/05/01 13:11:30	167.4222	167.4222	2151.97				
1143	2015/05/01 13:12:00	167.4306	167.4306	2152.02				
1144	2015/05/01 13:12:30	167.4389	167.4389	2151.98				
1145	2015/05/01 13:12:55	167.4458	167.4458	2151.98				
1146	2015/05/01 13:13:25	167.4542	167.4542	2151.97				
1147	2015/05/01 13:13:55	167.4625	167.4625	2151.91				
1148	2015/05/01 13:14:25	167.4708	167.4708	2151.98				
1149	2015/05/01 13:14:50	167.4778	167.4778	2151.91				
1150	2015/05/01 13:15:20	167.4861	167.4861	2151.94				
1151	2015/05/01 13:15:50	167.4944	167.4944	2151.91				
1152	2015/05/01 13:16:20	167.5028	167.5028	2151.89				
1153	2015/05/01 13:16:50	167.5111	167.5111	2151.89				
1154	2015/05/01 13:17:20	167.5194	167.5194	2151.91				
1155	2015/05/01 13:17:50	167.5278	167.5278	2151.86				
1156	2015/05/01 13:18:20	167.5361	167.5361	2151.90				
1157	2015/05/01 13:18:50	167.5444	167.5444	2151.86				
1158	2015/05/01 13:19:20	167.5528	167.5528	2151.86				
1159	2015/05/01 13:19:50	167.5611	167.5611	2151.85				
1160	2015/05/01 13:20:20	167.5694	167.5694	2151.85				
1161	2015/05/01 13:20:50	167.5778	167.5778	2151.86				
1162	2015/05/01 13:21:20	167.5861	167.5861	2151.83				
1163	2015/05/01 13:21:50	167.5944	167.5944	2151.78				
1164	2015/05/01 13:22:20	167.6028	167.6028	2151.81				
1165	2015/05/01 13:22:55	167.6125	167.6125	2151.80				
1166	2015/05/01 13:23:25	167.6208	167.6208	2151.78				
1167	2015/05/01 13:23:55	167.6292	167.6292	2151.78				
1168	2015/05/01 13:24:30	167.6389	167.6389	2151.79				
1169	2015/05/01 13:25:00	167.6472	167.6472	2151.79				
1170	2015/05/01 13:25:30	167.6556	167.6556	2151.77				
1171	2015/05/01 13:26:05	167.6653	167.6653	2151.73				
1172	2015/05/01 13:26:35	167.6736	167.6736	2151.75				
1173	2015/05/01 13:27:10	167.6833	167.6833	2151.73				
1174	2015/05/01 13:27:40	167.6917	167.6917	2151.71				
1175	2015/05/01 13:28:15	167.7014	167.7014	2151.72				
1176	2015/05/01 13:28:45	167.7097	167.7097	2151.69				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1177	2015/05/01 13:29:20	167.7194	167.7194	2151.71				
1178	2015/05/01 13:29:50	167.7278	167.7278	2151.70				
1179	2015/05/01 13:30:25	167.7375	167.7375	2151.69				
1180	2015/05/01 13:31:00	167.7472	167.7472	2151.66				
1181	2015/05/01 13:31:30	167.7556	167.7556	2151.65				
1182	2015/05/01 13:32:05	167.7653	167.7653	2151.65				
1183	2015/05/01 13:32:40	167.7750	167.7750	2151.63				
1184	2015/05/01 13:33:15	167.7847	167.7847	2151.65				
1185	2015/05/01 13:33:45	167.7931	167.7931	2151.64				
1186	2015/05/01 13:34:20	167.8028	167.8028	2151.62				
1187	2015/05/01 13:34:55	167.8125	167.8125	2151.59				
1188	2015/05/01 13:35:30	167.8222	167.8222	2151.59				
1189	2015/05/01 13:36:05	167.8319	167.8319	2151.59				
1190	2015/05/01 13:36:40	167.8417	167.8417	2151.57				
1191	2015/05/01 13:37:15	167.8514	167.8514	2151.58				
1192	2015/05/01 13:37:50	167.8611	167.8611	2151.56				
1193	2015/05/01 13:38:25	167.8708	167.8708	2151.56				
1194	2015/05/01 13:39:00	167.8806	167.8806	2151.52				
1195	2015/05/01 13:39:35	167.8903	167.8903	2151.51				
1196	2015/05/01 13:40:15	167.9014	167.9014	2151.50				
1197	2015/05/01 13:40:50	167.9111	167.9111	2151.52				
1198	2015/05/01 13:41:25	167.9208	167.9208	2151.50				
1199	2015/05/01 13:42:00	167.9306	167.9306	2151.48				
1200	2015/05/01 13:42:40	167.9417	167.9417	2151.47				
1201	2015/05/01 13:43:15	167.9514	167.9514	2151.49				
1202	2015/05/01 13:43:50	167.9611	167.9611	2151.48				
1203	2015/05/01 13:44:30	167.9722	167.9722	2151.42				
1204	2015/05/01 13:45:05	167.9819	167.9819	2151.41				
1205	2015/05/01 13:45:45	167.9931	167.9931	2151.45				
1206	2015/05/01 13:46:20	168.0028	168.0028	2151.39				
1207	2015/05/01 13:47:00	168.0139	168.0139	2151.41				
1208	2015/05/01 13:47:35	168.0236	168.0236	2151.39				
1209	2015/05/01 13:48:15	168.0347	168.0347	2151.38				
1210	2015/05/01 13:48:55	168.0458	168.0458	2151.38				
1211	2015/05/01 13:49:30	168.0556	168.0556	2151.38				
1212	2015/05/01 13:50:10	168.0667	168.0667	2151.34				
1213	2015/05/01 13:50:50	168.0778	168.0778	2151.36				
1214	2015/05/01 13:51:30	168.0889	168.0889	2151.33				
1215	2015/05/01 13:52:10	168.1000	168.1000	2151.33				
1216	2015/05/01 13:52:45	168.1097	168.1097	2151.30				
1217	2015/05/01 13:53:25	168.1208	168.1208	2151.31				
1218	2015/05/01 13:54:05	168.1319	168.1319	2151.32				
1219	2015/05/01 13:54:45	168.1431	168.1431	2151.30				
1220	2015/05/01 13:55:25	168.1542	168.1542	2151.24				
1221	2015/05/01 13:56:05	168.1653	168.1653	2151.24				
1222	2015/05/01 13:56:45	168.1764	168.1764	2151.28				
1223	2015/05/01 13:57:30	168.1889	168.1889	2151.26				
1224	2015/05/01 13:58:10	168.2000	168.2000	2151.29				
1225	2015/05/01 13:58:50	168.2111	168.2111	2151.25				
1226	2015/05/01 13:59:30	168.2222	168.2222	2151.24				
1227	2015/05/01 14:00:15	168.2347	168.2347	2151.20				
1228	2015/05/01 14:00:55	168.2458	168.2458	2151.21				
1229	2015/05/01 14:01:35	168.2569	168.2569	2151.21				
1230	2015/05/01 14:02:20	168.2694	168.2694	2151.19				
1231	2015/05/01 14:03:00	168.2806	168.2806	2151.20				
1232	2015/05/01 14:03:45	168.2931	168.2931	2151.16				

EXHIBIT 8

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1233	2015/05/01 14:04:25	168.3042	168.3042	2151.14				
1234	2015/05/01 14:05:10	168.3167	168.3167	2151.14				
1235	2015/05/01 14:05:50	168.3278	168.3278	2151.14				
1236	2015/05/01 14:06:35	168.3403	168.3403	2151.14				
1237	2015/05/01 14:07:15	168.3514	168.3514	2151.10				
1238	2015/05/01 14:08:00	168.3639	168.3639	2151.08				
1239	2015/05/01 14:08:45	168.3764	168.3764	2151.10				
1240	2015/05/01 14:09:30	168.3889	168.3889	2151.04				
1241	2015/05/01 14:10:15	168.4014	168.4014	2151.04				
1242	2015/05/01 14:10:55	168.4125	168.4125	2151.05				
1243	2015/05/01 14:11:40	168.4250	168.4250	2151.05				
1244	2015/05/01 14:12:25	168.4375	168.4375	2151.04				
1245	2015/05/01 14:13:10	168.4500	168.4500	2151.02				
1246	2015/05/01 14:13:55	168.4625	168.4625	2151.02				
1247	2015/05/01 14:14:40	168.4750	168.4750	2150.96				
1248	2015/05/01 14:15:30	168.4889	168.4889	2150.99				
1249	2015/05/01 14:16:15	168.5014	168.5014	2150.96				
1250	2015/05/01 14:17:00	168.5139	168.5139	2150.96				
1251	2015/05/01 14:17:45	168.5264	168.5264	2150.96				
1252	2015/05/01 14:18:35	168.5403	168.5403	2150.95				
1253	2015/05/01 14:19:20	168.5528	168.5528	2150.91				
1254	2015/05/01 14:20:05	168.5653	168.5653	2150.94				
1255	2015/05/01 14:20:55	168.5792	168.5792	2150.91				
1256	2015/05/01 14:21:40	168.5917	168.5917	2150.88				
1257	2015/05/01 14:22:30	168.6056	168.6056	2150.86				
1258	2015/05/01 14:23:15	168.6181	168.6181	2150.86				
1259	2015/05/01 14:24:05	168.6319	168.6319	2150.83				
1260	2015/05/01 14:24:50	168.6444	168.6444	2150.85				
1261	2015/05/01 14:25:40	168.6583	168.6583	2150.84				
1262	2015/05/01 14:26:30	168.6722	168.6722	2150.84				
1263	2015/05/01 14:27:20	168.6861	168.6861	2150.80				
1264	2015/05/01 14:28:05	168.6986	168.6986	2150.79				
1265	2015/05/01 14:28:55	168.7125	168.7125	2150.79				
1266	2015/05/01 14:29:45	168.7264	168.7264	2150.75				
1267	2015/05/01 14:30:35	168.7403	168.7403	2150.75				
1268	2015/05/01 14:31:25	168.7542	168.7542	2150.77				
1269	2015/05/01 14:32:15	168.7681	168.7681	2150.73				
1270	2015/05/01 14:33:05	168.7819	168.7819	2150.71				
1271	2015/05/01 14:34:00	168.7972	168.7972	2150.72				
1272	2015/05/01 14:34:50	168.8111	168.8111	2150.71				
1273	2015/05/01 14:35:40	168.8250	168.8250	2150.69				
1274	2015/05/01 14:36:30	168.8389	168.8389	2150.70				
1275	2015/05/01 14:37:25	168.8542	168.8542	2150.70				
1276	2015/05/01 14:38:15	168.8681	168.8681	2150.64				
1277	2015/05/01 14:39:05	168.8819	168.8819	2150.63				
1278	2015/05/01 14:40:00	168.8972	168.8972	2150.63				
1279	2015/05/01 14:40:50	168.9111	168.9111	2150.62				
1280	2015/05/01 14:41:45	168.9264	168.9264	2150.63				
1281	2015/05/01 14:42:40	168.9417	168.9417	2150.61				
1282	2015/05/01 14:43:30	168.9556	168.9556	2150.60				
1283	2015/05/01 14:44:25	168.9708	168.9708	2150.59				
1284	2015/05/01 14:45:20	168.9861	168.9861	2150.58				
1285	2015/05/01 14:46:15	169.0014	169.0014	2150.55				
1286	2015/05/01 14:47:05	169.0153	169.0153	2150.54				
1287	2015/05/01 14:48:01	169.0308	169.0308	2150.54				
1288	2015/05/01 14:48:56	169.0461	169.0461	2150.54				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1289	2015/05/01 14:49:50	169.0611	169.0611	2150.50				
1290	2015/05/01 14:50:45	169.0764	169.0764	2150.50				
1291	2015/05/01 14:51:45	169.0931	169.0931	2150.48				
1292	2015/05/01 14:52:40	169.1083	169.1083	2150.46				
1293	2015/05/01 14:53:35	169.1236	169.1236	2150.46				
1294	2015/05/01 14:54:30	169.1389	169.1389	2150.46				
1295	2015/05/01 14:55:26	169.1544	169.1544	2150.44				
1296	2015/05/01 14:56:25	169.1708	169.1708	2150.44				
1297	2015/05/01 14:57:21	169.1864	169.1864	2150.40				
1298	2015/05/01 14:58:21	169.2031	169.2031	2150.39				
1299	2015/05/01 14:59:16	169.2183	169.2183	2150.38				
1300	2015/05/01 15:00:16	169.2350	169.2350	2150.37				
1301	2015/05/01 15:01:11	169.2503	169.2503	2150.34				
1302	2015/05/01 15:02:11	169.2669	169.2669	2150.34				
1303	2015/05/01 15:03:11	169.2836	169.2836	2150.34				
1304	2015/05/01 15:04:11	169.3003	169.3003	2150.32				
1305	2015/05/01 15:05:11	169.3169	169.3169	2150.30				
1306	2015/05/01 15:06:06	169.3322	169.3322	2150.30				
1307	2015/05/01 15:07:06	169.3489	169.3489	2150.28				
1308	2015/05/01 15:08:06	169.3656	169.3656	2150.25				
1309	2015/05/01 15:09:11	169.3836	169.3836	2150.23				
1310	2015/05/01 15:10:11	169.4003	169.4003	2150.23				
1311	2015/05/01 15:11:11	169.4169	169.4169	2150.23				
1312	2015/05/01 15:12:11	169.4336	169.4336	2150.23				
1313	2015/05/01 15:13:11	169.4503	169.4503	2150.21				
1314	2015/05/01 15:14:16	169.4683	169.4683	2150.18				
1315	2015/05/01 15:15:16	169.4850	169.4850	2150.19				
1316	2015/05/01 15:16:21	169.5031	169.5031	2150.14				
1317	2015/05/01 15:17:21	169.5197	169.5197	2150.14				
1318	2015/05/01 15:18:26	169.5378	169.5378	2150.14				
1319	2015/05/01 15:19:31	169.5558	169.5558	2150.11				
1320	2015/05/01 15:20:31	169.5725	169.5725	2150.09				
1321	2015/05/01 15:21:36	169.5906	169.5906	2150.08				
1322	2015/05/01 15:22:41	169.6086	169.6086	2150.04				
1323	2015/05/01 15:23:46	169.6267	169.6267	2150.06				
1324	2015/05/01 15:24:51	169.6447	169.6447	2150.04				
1325	2015/05/01 15:25:56	169.6628	169.6628	2150.05				
1326	2015/05/01 15:27:01	169.6808	169.6808	2150.03				
1327	2015/05/01 15:28:06	169.6989	169.6989	2150.02				
1328	2015/05/01 15:29:11	169.7169	169.7169	2150.00				
1329	2015/05/01 15:30:16	169.7350	169.7350	2149.99				
1330	2015/05/01 15:31:26	169.7544	169.7544	2150.00				
1331	2015/05/01 15:32:31	169.7725	169.7725	2149.97				
1332	2015/05/01 15:33:36	169.7906	169.7906	2149.98				
1333	2015/05/01 15:34:46	169.8100	169.8100	2149.94				
1334	2015/05/01 15:35:56	169.8294	169.8294	2149.94				
1335	2015/05/01 15:37:01	169.8475	169.8475	2149.86				
1336	2015/05/01 15:38:10	169.8667	169.8667	2149.87				
1337	2015/05/01 15:39:21	169.8864	169.8864	2149.85				
1338	2015/05/01 15:40:26	169.9044	169.9044	2149.84				
1339	2015/05/01 15:41:36	169.9239	169.9239	2149.84				
1340	2015/05/01 15:42:45	169.9431	169.9431	2149.85				
1341	2015/05/01 15:43:56	169.9628	169.9628	2149.84				
1342	2015/05/01 15:45:06	169.9822	169.9822	2149.81				
1343	2015/05/01 15:46:16	170.0017	170.0017	2149.80				
1344	2015/05/01 15:47:31	170.0225	170.0225	2149.78				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1345	2015/05/01 15:48:40	170.0417	170.0417	2149.75				
1346	2015/05/01 15:49:50	170.0611	170.0611	2149.75				
1347	2015/05/01 15:51:05	170.0819	170.0819	2149.74				
1348	2015/05/01 15:52:16	170.1017	170.1017	2149.70				
1349	2015/05/01 15:53:31	170.1225	170.1225	2149.69				
1350	2015/05/01 15:54:41	170.1419	170.1419	2149.67				
1351	2015/05/01 15:55:56	170.1628	170.1628	2149.69				
1352	2015/05/01 15:57:10	170.1833	170.1833	2149.69				
1353	2015/05/01 15:58:25	170.2042	170.2042	2149.63				
1354	2015/05/01 15:59:35	170.2236	170.2236	2149.59				
1355	2015/05/01 16:00:50	170.2444	170.2444	2149.59				
1356	2015/05/01 16:02:06	170.2656	170.2656	2149.61				
1357	2015/05/01 16:03:21	170.2864	170.2864	2149.59				
1358	2015/05/01 16:04:41	170.3086	170.3086	2149.55				
1359	2015/05/01 16:05:55	170.3292	170.3292	2149.53				
1360	2015/05/01 16:07:10	170.3500	170.3500	2149.54				
1361	2015/05/01 16:08:25	170.3708	170.3708	2149.55				
1362	2015/05/01 16:09:45	170.3931	170.3931	2149.50				
1363	2015/05/01 16:11:00	170.4139	170.4139	2149.50				
1364	2015/05/01 16:12:20	170.4361	170.4361	2149.48				
1365	2015/05/01 16:13:40	170.4583	170.4583	2149.46				
1366	2015/05/01 16:14:55	170.4792	170.4792	2149.46				
1367	2015/05/01 16:16:15	170.5014	170.5014	2149.42				
1368	2015/05/01 16:17:35	170.5236	170.5236	2149.38				
1369	2015/05/01 16:18:55	170.5458	170.5458	2149.42				
1370	2015/05/01 16:20:15	170.5681	170.5681	2149.35				
1371	2015/05/01 16:21:35	170.5903	170.5903	2149.32				
1372	2015/05/01 16:22:55	170.6125	170.6125	2149.36				
1373	2015/05/01 16:24:15	170.6347	170.6347	2149.34				
1374	2015/05/01 16:25:40	170.6583	170.6583	2149.34				
1375	2015/05/01 16:27:00	170.6806	170.6806	2149.31				
1376	2015/05/01 16:28:20	170.7028	170.7028	2149.28				
1377	2015/05/01 16:29:45	170.7264	170.7264	2149.23				
1378	2015/05/01 16:31:10	170.7500	170.7500	2149.26				
1379	2015/05/01 16:32:30	170.7722	170.7722	2149.21				
1380	2015/05/01 16:33:55	170.7958	170.7958	2149.22				
1381	2015/05/01 16:35:20	170.8194	170.8194	2149.23				
1382	2015/05/01 16:36:45	170.8431	170.8431	2149.18				
1383	2015/05/01 16:38:10	170.8667	170.8667	2149.18				
1384	2015/05/01 16:39:35	170.8903	170.8903	2149.15				
1385	2015/05/01 16:41:00	170.9139	170.9139	2149.16				
1386	2015/05/01 16:42:25	170.9375	170.9375	2149.13				
1387	2015/05/01 16:43:55	170.9625	170.9625	2149.09				
1388	2015/05/01 16:45:20	170.9861	170.9861	2149.10				
1389	2015/05/01 16:46:45	171.0097	171.0097	2149.07				
1390	2015/05/01 16:48:15	171.0347	171.0347	2149.08				
1391	2015/05/01 16:49:45	171.0597	171.0597	2149.03				
1392	2015/05/01 16:51:10	171.0833	171.0833	2149.06				
1393	2015/05/01 16:52:40	171.1083	171.1083	2148.96				
1394	2015/05/01 16:54:10	171.1333	171.1333	2149.01				
1395	2015/05/01 16:55:40	171.1583	171.1583	2148.98				
1396	2015/05/01 16:57:10	171.1833	171.1833	2148.95				
1397	2015/05/01 16:58:40	171.2083	171.2083	2148.96				
1398	2015/05/01 17:00:10	171.2333	171.2333	2148.92				
1399	2015/05/01 17:01:45	171.2597	171.2597	2148.93				
1400	2015/05/01 17:03:15	171.2847	171.2847	2148.88				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1401	2015/05/01 17:04:45	171.3097	171.3097	2148.87				
1402	2015/05/01 17:06:20	171.3361	171.3361	2148.86				
1403	2015/05/01 17:07:55	171.3625	171.3625	2148.87				
1404	2015/05/01 17:09:25	171.3875	171.3875	2148.80				
1405	2015/05/01 17:11:00	171.4139	171.4139	2148.80				
1406	2015/05/01 17:12:35	171.4403	171.4403	2148.79				
1407	2015/05/01 17:14:10	171.4667	171.4667	2148.77				
1408	2015/05/01 17:15:45	171.4931	171.4931	2148.75				
1409	2015/05/01 17:17:20	171.5194	171.5194	2148.73				
1410	2015/05/01 17:18:55	171.5458	171.5458	2148.73				
1411	2015/05/01 17:20:35	171.5736	171.5736	2148.70				
1412	2015/05/01 17:22:10	171.6000	171.6000	2148.69				
1413	2015/05/01 17:23:50	171.6278	171.6278	2148.66				
1414	2015/05/01 17:25:25	171.6542	171.6542	2148.66				
1415	2015/05/01 17:27:05	171.6819	171.6819	2148.63				
1416	2015/05/01 17:28:45	171.7097	171.7097	2148.60				
1417	2015/05/01 17:30:25	171.7375	171.7375	2148.60				
1418	2015/05/01 17:32:05	171.7653	171.7653	2148.57				
1419	2015/05/01 17:33:45	171.7931	171.7931	2148.60				
1420	2015/05/01 17:35:25	171.8208	171.8208	2148.52				
1421	2015/05/01 17:37:05	171.8486	171.8486	2148.55				
1422	2015/05/01 17:38:45	171.8764	171.8764	2148.52				
1423	2015/05/01 17:40:30	171.9056	171.9056	2148.51				
1424	2015/05/01 17:42:10	171.9333	171.9333	2148.49				
1425	2015/05/01 17:43:55	171.9625	171.9625	2148.45				
1426	2015/05/01 17:45:40	171.9917	171.9917	2148.44				
1427	2015/05/01 17:47:20	172.0194	172.0194	2148.43				
1428	2015/05/01 17:49:05	172.0486	172.0486	2148.42				
1429	2015/05/01 17:50:50	172.0778	172.0778	2148.37				
1430	2015/05/01 17:52:35	172.1069	172.1069	2148.39				
1431	2015/05/01 17:54:25	172.1375	172.1375	2148.35				
1432	2015/05/01 17:56:10	172.1667	172.1667	2148.32				
1433	2015/05/01 17:57:55	172.1958	172.1958	2148.27				
1434	2015/05/01 17:59:45	172.2264	172.2264	2148.30				
1435	2015/05/01 18:01:30	172.2556	172.2556	2148.27				
1436	2015/05/01 18:03:20	172.2861	172.2861	2148.25				
1437	2015/05/01 18:05:10	172.3167	172.3167	2148.24				
1438	2015/05/01 18:07:00	172.3472	172.3472	2148.21				
1439	2015/05/01 18:08:50	172.3778	172.3778	2148.19				
1440	2015/05/01 18:10:40	172.4083	172.4083	2148.16				
1441	2015/05/01 18:12:30	172.4389	172.4389	2148.15				
1442	2015/05/01 18:14:20	172.4694	172.4694	2148.16				
1443	2015/05/01 18:16:15	172.5014	172.5014	2148.12				
1444	2015/05/01 18:18:05	172.5319	172.5319	2148.09				
1445	2015/05/01 18:20:00	172.5639	172.5639	2148.07				
1446	2015/05/01 18:21:55	172.5958	172.5958	2148.10				
1447	2015/05/01 18:23:45	172.6264	172.6264	2148.04				
1448	2015/05/01 18:25:40	172.6583	172.6583	2148.04				
1449	2015/05/01 18:27:35	172.6903	172.6903	2147.97				
1450	2015/05/01 18:29:35	172.7236	172.7236	2147.98				
1451	2015/05/01 18:31:30	172.7556	172.7556	2147.98				
1452	2015/05/01 18:33:25	172.7875	172.7875	2147.92				
1453	2015/05/01 18:35:25	172.8208	172.8208	2147.92				
1454	2015/05/01 18:37:20	172.8528	172.8528	2147.89				
1455	2015/05/01 18:39:20	172.8861	172.8861	2147.91				
1456	2015/05/01 18:41:20	172.9194	172.9194	2147.89				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1457	2015/05/01 18:43:15	172.9514	172.9514	2147.84				
1458	2015/05/01 18:45:15	172.9847	172.9847	2147.85				
1459	2015/05/01 18:47:20	173.0194	173.0194	2147.84				
1460	2015/05/01 18:49:20	173.0528	173.0528	2147.79				
1461	2015/05/01 18:51:20	173.0861	173.0861	2147.80				
1462	2015/05/01 18:53:25	173.1208	173.1208	2147.76				
1463	2015/05/01 18:55:25	173.1542	173.1542	2147.75				
1464	2015/05/01 18:57:30	173.1889	173.1889	2147.76				
1465	2015/05/01 18:59:35	173.2236	173.2236	2147.67				
1466	2015/05/01 19:01:40	173.2583	173.2583	2147.72				
1467	2015/05/01 19:03:45	173.2931	173.2931	2147.66				
1468	2015/05/01 19:05:50	173.3278	173.3278	2147.63				
1469	2015/05/01 19:07:55	173.3625	173.3625	2147.63				
1470	2015/05/01 19:10:00	173.3972	173.3972	2147.60				
1471	2015/05/01 19:12:10	173.4333	173.4333	2147.57				
1472	2015/05/01 19:14:15	173.4681	173.4681	2147.57				
1473	2015/05/01 19:16:25	173.5042	173.5042	2147.56				
1474	2015/05/01 19:18:35	173.5403	173.5403	2147.51				
1475	2015/05/01 19:20:45	173.5764	173.5764	2147.49				
1476	2015/05/01 19:22:55	173.6125	173.6125	2147.46				
1477	2015/05/01 19:25:05	173.6486	173.6486	2147.46				
1478	2015/05/01 19:27:15	173.6847	173.6847	2147.45				
1479	2015/05/01 19:29:30	173.7222	173.7222	2147.45				
1480	2015/05/01 19:31:40	173.7583	173.7583	2147.38				
1481	2015/05/01 19:33:56	173.7961	173.7961	2147.36				
1482	2015/05/01 19:36:10	173.8333	173.8333	2147.39				
1483	2015/05/01 19:38:25	173.8708	173.8708	2147.36				
1484	2015/05/01 19:40:41	173.9086	173.9086	2147.30				
1485	2015/05/01 19:42:56	173.9461	173.9461	2147.30				
1486	2015/05/01 19:45:11	173.9836	173.9836	2147.25				
1487	2015/05/01 19:47:31	174.0225	174.0225	2147.24				
1488	2015/05/01 19:49:46	174.0600	174.0600	2147.26				
1489	2015/05/01 19:52:06	174.0989	174.0989	2147.21				
1490	2015/05/01 19:54:26	174.1378	174.1378	2147.19				
1491	2015/05/01 19:56:46	174.1767	174.1767	2147.17				
1492	2015/05/01 19:59:06	174.2156	174.2156	2147.17				
1493	2015/05/01 20:01:26	174.2544	174.2544	2147.11				
1494	2015/05/01 20:03:46	174.2933	174.2933	2147.11				
1495	2015/05/01 20:06:11	174.3336	174.3336	2147.11				
1496	2015/05/01 20:08:31	174.3725	174.3725	2147.07				
1497	2015/05/01 20:10:56	174.4128	174.4128	2147.04				
1498	2015/05/01 20:13:20	174.4528	174.4528	2147.02				
1499	2015/05/01 20:15:46	174.4933	174.4933	2146.99				
1500	2015/05/01 20:18:11	174.5336	174.5336	2146.98				
1501	2015/05/01 20:20:36	174.5739	174.5739	2146.93				
1502	2015/05/01 20:23:06	174.6156	174.6156	2146.92				
1503	2015/05/01 20:25:30	174.6556	174.6556	2146.92				
1504	2015/05/01 20:28:00	174.6972	174.6972	2146.86				
1505	2015/05/01 20:30:31	174.7392	174.7392	2146.89				
1506	2015/05/01 20:33:01	174.7808	174.7808	2146.85				
1507	2015/05/01 20:35:31	174.8225	174.8225	2146.80				
1508	2015/05/01 20:38:00	174.8639	174.8639	2146.77				
1509	2015/05/01 20:40:30	174.9056	174.9056	2146.74				
1510	2015/05/01 20:43:05	174.9486	174.9486	2146.75				
1511	2015/05/01 20:45:36	174.9906	174.9906	2146.77				
1512	2015/05/01 20:48:10	175.0333	175.0333	2146.70				

EXHIBIT 8

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1513	2015/05/01 20:50:45	175.0764	175.0764	2146.71				
1514	2015/05/01 20:53:20	175.1194	175.1194	2146.66				
1515	2015/05/01 20:56:00	175.1639	175.1639	2146.67				
1516	2015/05/01 20:58:35	175.2069	175.2069	2146.62				
1517	2015/05/01 21:01:10	175.2500	175.2500	2146.60				
1518	2015/05/01 21:03:50	175.2944	175.2944	2146.59				
1519	2015/05/01 21:06:30	175.3389	175.3389	2146.57				
1520	2015/05/01 21:09:10	175.3833	175.3833	2146.55				
1521	2015/05/01 21:11:50	175.4278	175.4278	2146.51				
1522	2015/05/01 21:14:30	175.4722	175.4722	2146.50				
1523	2015/05/01 21:17:10	175.5167	175.5167	2146.48				
1524	2015/05/01 21:19:55	175.5625	175.5625	2146.43				
1525	2015/05/01 21:22:40	175.6083	175.6083	2146.44				
1526	2015/05/01 21:25:20	175.6528	175.6528	2146.41				
1527	2015/05/01 21:28:05	175.6986	175.6986	2146.36				
1528	2015/05/01 21:30:55	175.7458	175.7458	2146.36				
1529	2015/05/01 21:33:40	175.7917	175.7917	2146.36				
1530	2015/05/01 21:36:25	175.8375	175.8375	2146.32				
1531	2015/05/01 21:39:15	175.8847	175.8847	2146.28				
1532	2015/05/01 21:42:05	175.9319	175.9319	2146.27				
1533	2015/05/01 21:44:55	175.9792	175.9792	2146.23				
1534	2015/05/01 21:47:45	176.0264	176.0264	2146.18				
1535	2015/05/01 21:50:35	176.0736	176.0736	2146.18				
1536	2015/05/01 21:53:25	176.1208	176.1208	2146.20				
1537	2015/05/01 21:56:20	176.1694	176.1694	2146.16				
1538	2015/05/01 21:59:10	176.2167	176.2167	2146.10				
1539	2015/05/01 22:02:05	176.2653	176.2653	2146.12				
1540	2015/05/01 22:05:00	176.3139	176.3139	2146.11				
1541	2015/05/01 22:07:55	176.3625	176.3625	2146.03				
1542	2015/05/01 22:10:55	176.4125	176.4125	2146.04				
1543	2015/05/01 22:13:50	176.4611	176.4611	2146.02				
1544	2015/05/01 22:16:50	176.5111	176.5111	2146.00				
1545	2015/05/01 22:19:50	176.5611	176.5611	2146.00				
1546	2015/05/01 22:22:50	176.6111	176.6111	2145.96				
1547	2015/05/01 22:25:50	176.6611	176.6611	2145.92				
1548	2015/05/01 22:28:50	176.7111	176.7111	2145.90				
1549	2015/05/01 22:31:55	176.7625	176.7625	2145.86				
1550	2015/05/01 22:34:55	176.8125	176.8125	2145.83				
1551	2015/05/01 22:38:00	176.8639	176.8639	2145.82				
1552	2015/05/01 22:41:05	176.9153	176.9153	2145.82				
1553	2015/05/01 22:44:10	176.9667	176.9667	2145.80				
1554	2015/05/01 22:47:20	177.0194	177.0194	2145.71				
1555	2015/05/01 22:50:25	177.0708	177.0708	2145.72				
1556	2015/05/01 22:53:35	177.1236	177.1236	2145.70				
1557	2015/05/01 22:56:45	177.1764	177.1764	2145.71				
1558	2015/05/01 22:59:55	177.2292	177.2292	2145.68				
1559	2015/05/01 23:03:05	177.2819	177.2819	2145.63				
1560	2015/05/01 23:06:20	177.3361	177.3361	2145.59				
1561	2015/05/01 23:09:30	177.3889	177.3889	2145.58				
1562	2015/05/01 23:12:45	177.4431	177.4431	2145.57				
1563	2015/05/01 23:16:00	177.4972	177.4972	2145.52				
1564	2015/05/01 23:19:15	177.5514	177.5514	2145.54				
1565	2015/05/01 23:22:30	177.6056	177.6056	2145.50				
1566	2015/05/01 23:25:50	177.6611	177.6611	2145.45				
1567	2015/05/01 23:29:05	177.7153	177.7153	2145.46				
1568	2015/05/01 23:32:25	177.7708	177.7708	2145.42				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1569	2015/05/01 23:35:45	177.8264	177.8264	2145.39				
1570	2015/05/01 23:39:05	177.8819	177.8819	2145.34				
1571	2015/05/01 23:42:30	177.9389	177.9389	2145.34				
1572	2015/05/01 23:45:50	177.9944	177.9944	2145.35				
1573	2015/05/01 23:49:15	178.0514	178.0514	2145.29				
1574	2015/05/01 23:52:40	178.1083	178.1083	2145.27				
1575	2015/05/01 23:56:05	178.1653	178.1653	2145.25				
1576	2015/05/01 23:59:30	178.2222	178.2222	2145.23				
1577	2015/05/02 00:03:00	178.2806	178.2806	2145.17				
1578	2015/05/02 00:06:30	178.3389	178.3389	2145.18				
1579	2015/05/02 00:10:00	178.3972	178.3972	2145.16				
1580	2015/05/02 00:13:26	178.4544	178.4544	2145.17				
1581	2015/05/02 00:17:00	178.5139	178.5139	2145.09				
1582	2015/05/02 00:20:31	178.5725	178.5725	2145.06				
1583	2015/05/02 00:24:06	178.6322	178.6322	2145.04				
1584	2015/05/02 00:27:41	178.6919	178.6919	2145.07				
1585	2015/05/02 00:31:16	178.7517	178.7517	2145.02				
1586	2015/05/02 00:34:51	178.8114	178.8114	2144.96				
1587	2015/05/02 00:38:31	178.8725	178.8725	2144.99				
1588	2015/05/02 00:42:06	178.9322	178.9322	2144.91				
1589	2015/05/02 00:45:46	178.9933	178.9933	2144.91				
1590	2015/05/02 00:49:26	179.0544	179.0544	2144.90				
1591	2015/05/02 00:53:11	179.1169	179.1169	2144.86				
1592	2015/05/02 00:56:51	179.1781	179.1781	2144.84				
1593	2015/05/02 01:00:36	179.2406	179.2406	2144.75				
1594	2015/05/02 01:04:21	179.3031	179.3031	2144.79				
1595	2015/05/02 01:08:06	179.3656	179.3656	2144.77				
1596	2015/05/02 01:11:51	179.4281	179.4281	2144.72				
1597	2015/05/02 01:15:41	179.4919	179.4919	2144.68				
1598	2015/05/02 01:19:31	179.5558	179.5558	2144.70				
1599	2015/05/02 01:23:16	179.6183	179.6183	2144.65				
1600	2015/05/02 01:27:06	179.6822	179.6822	2144.61				
1601	2015/05/02 01:31:00	179.7472	179.7472	2144.62				
1602	2015/05/02 01:34:55	179.8125	179.8125	2144.53				
1603	2015/05/02 01:38:45	179.8764	179.8764	2144.54				
1604	2015/05/02 01:42:40	179.9417	179.9417	2144.54				
1605	2015/05/02 01:46:40	180.0083	180.0083	2144.48				
1606	2015/05/02 01:50:35	180.0736	180.0736	2144.51				
1607	2015/05/02 01:54:35	180.1403	180.1403	2144.46				
1608	2015/05/02 01:58:35	180.2069	180.2069	2144.42				
1609	2015/05/02 02:02:35	180.2736	180.2736	2144.36				
1610	2015/05/02 02:06:35	180.3403	180.3403	2144.36				
1611	2015/05/02 02:10:40	180.4083	180.4083	2144.33				
1612	2015/05/02 02:14:40	180.4750	180.4750	2144.32				
1613	2015/05/02 02:18:45	180.5431	180.5431	2144.30				
1614	2015/05/02 02:22:55	180.6125	180.6125	2144.27				
1615	2015/05/02 02:27:00	180.6806	180.6806	2144.27				
1616	2015/05/02 02:31:10	180.7500	180.7500	2144.23				
1617	2015/05/02 02:35:20	180.8194	180.8194	2144.20				
1618	2015/05/02 02:39:30	180.8889	180.8889	2144.16				
1619	2015/05/02 02:43:40	180.9583	180.9583	2144.15				
1620	2015/05/02 02:47:55	181.0292	181.0292	2144.08				
1621	2015/05/02 02:52:10	181.1000	181.1000	2144.09				
1622	2015/05/02 02:56:25	181.1708	181.1708	2144.06				
1623	2015/05/02 03:00:40	181.2417	181.2417	2144.05				
1624	2015/05/02 03:05:00	181.3139	181.3139	2144.05				

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Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1625	2015/05/02 03:09:15	181.3847	181.3847	2144.00				
1626	2015/05/02 03:13:35	181.4569	181.4569	2143.95				
1627	2015/05/02 03:18:00	181.5306	181.5306	2143.93				
1628	2015/05/02 03:22:20	181.6028	181.6028	2143.92				
1629	2015/05/02 03:26:45	181.6764	181.6764	2143.89				
1630	2015/05/02 03:31:10	181.7500	181.7500	2143.86				
1631	2015/05/02 03:35:35	181.8236	181.8236	2143.82				
1632	2015/05/02 03:40:05	181.8986	181.8986	2143.81				
1633	2015/05/02 03:44:30	181.9722	181.9722	2143.81				
1634	2015/05/02 03:49:00	182.0472	182.0472	2143.77				
1635	2015/05/02 03:53:35	182.1236	182.1236	2143.74				
1636	2015/05/02 03:58:05	182.1986	182.1986	2143.72				
1637	2015/05/02 04:02:40	182.2750	182.2750	2143.68				
1638	2015/05/02 04:07:15	182.3514	182.3514	2143.64				
1639	2015/05/02 04:11:50	182.4278	182.4278	2143.64				
1640	2015/05/02 04:16:30	182.5056	182.5056	2143.60				
1641	2015/05/02 04:21:05	182.5819	182.5819	2143.56				
1642	2015/05/02 04:25:45	182.6597	182.6597	2143.58				
1643	2015/05/02 04:30:30	182.7389	182.7389	2143.54				
1644	2015/05/02 04:35:10	182.8167	182.8167	2143.51				
1645	2015/05/02 04:39:55	182.8958	182.8958	2143.43				
1646	2015/05/02 04:44:40	182.9750	182.9750	2143.43				
1647	2015/05/02 04:49:25	183.0542	183.0542	2143.43				
1648	2015/05/02 04:54:15	183.1347	183.1347	2143.39				
1649	2015/05/02 04:59:05	183.2153	183.2153	2143.35				
1650	2015/05/02 05:03:55	183.2958	183.2958	2143.34				
1651	2015/05/02 05:08:45	183.3764	183.3764	2143.31				
1652	2015/05/02 05:13:40	183.4583	183.4583	2143.25				
1653	2015/05/02 05:18:35	183.5403	183.5403	2143.21				
1654	2015/05/02 05:23:31	183.6225	183.6225	2143.22				
1655	2015/05/02 05:28:25	183.7042	183.7042	2143.20				
1656	2015/05/02 05:33:25	183.7875	183.7875	2143.20				
1657	2015/05/02 05:38:26	183.8711	183.8711	2143.13				
1658	2015/05/02 05:43:26	183.9544	183.9544	2143.12				
1659	2015/05/02 05:48:31	184.0392	184.0392	2143.09				
1660	2015/05/02 05:53:36	184.1239	184.1239	2143.04				
1661	2015/05/02 05:58:41	184.2086	184.2086	2143.00				
1662	2015/05/02 06:03:46	184.2933	184.2933	2143.02				
1663	2015/05/02 06:08:56	184.3794	184.3794	2142.99				
1664	2015/05/02 06:14:06	184.4656	184.4656	2142.95				
1665	2015/05/02 06:19:16	184.5517	184.5517	2142.93				
1666	2015/05/02 06:24:31	184.6392	184.6392	2142.90				
1667	2015/05/02 06:29:46	184.7267	184.7267	2142.82				
1668	2015/05/02 06:35:01	184.8142	184.8142	2142.86				
1669	2015/05/02 06:40:15	184.9014	184.9014	2142.80				
1670	2015/05/02 06:45:35	184.9903	184.9903	2142.75				
1671	2015/05/02 06:50:56	185.0794	185.0794	2142.74				
1672	2015/05/02 06:56:15	185.1681	185.1681	2142.71				
1673	2015/05/02 07:01:40	185.2583	185.2583	2142.71				
1674	2015/05/02 07:07:05	185.3486	185.3486	2142.66				
1675	2015/05/02 07:12:30	185.4389	185.4389	2142.64				
1676	2015/05/02 07:18:00	185.5306	185.5306	2142.62				
1677	2015/05/02 07:23:25	185.6208	185.6208	2142.57				
1678	2015/05/02 07:28:55	185.7125	185.7125	2142.56				
1679	2015/05/02 07:34:30	185.8056	185.8056	2142.56				
1680	2015/05/02 07:40:05	185.8986	185.8986	2142.50				

EXHIBIT 8

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1681	2015/05/02 07:45:40	185.9917	185.9917	2142.49				
1682	2015/05/02 07:51:15	186.0847	186.0847	2142.46				
1683	2015/05/02 07:56:55	186.1792	186.1792	2142.43				
1684	2015/05/02 08:02:35	186.2736	186.2736	2142.40				
1685	2015/05/02 08:08:15	186.3681	186.3681	2142.38				
1686	2015/05/02 08:13:55	186.4625	186.4625	2142.31				
1687	2015/05/02 08:19:40	186.5583	186.5583	2142.32				
1688	2015/05/02 08:25:30	186.6556	186.6556	2142.30				
1689	2015/05/02 08:31:15	186.7514	186.7514	2142.27				
1690	2015/05/02 08:37:05	186.8486	186.8486	2142.25				
1691	2015/05/02 08:42:55	186.9458	186.9458	2142.18				
1692	2015/05/02 08:48:50	187.0444	187.0444	2142.19				
1693	2015/05/02 08:54:40	187.1417	187.1417	2142.13				
1694	2015/05/02 09:00:40	187.2417	187.2417	2142.09				
1695	2015/05/02 09:06:35	187.3403	187.3403	2142.09				
1696	2015/05/02 09:12:35	187.4403	187.4403	2142.07				
1697	2015/05/02 09:18:35	187.5403	187.5403	2142.04				
1698	2015/05/02 09:24:40	187.6417	187.6417	2141.99				
1699	2015/05/02 09:30:40	187.7417	187.7417	2141.97				
1700	2015/05/02 09:36:50	187.8444	187.8444	2141.95				
1701	2015/05/02 09:42:55	187.9458	187.9458	2141.93				
1702	2015/05/02 09:49:05	188.0486	188.0486	2141.91				
1703	2015/05/02 09:55:15	188.1514	188.1514	2141.84				
1704	2015/05/02 10:01:30	188.2556	188.2556	2141.86				
1705	2015/05/02 10:07:40	188.3583	188.3583	2141.80				
1706	2015/05/02 10:14:00	188.4639	188.4639	2141.78				
1707	2015/05/02 10:20:15	188.5681	188.5681	2141.74				
1708	2015/05/02 10:26:35	188.6736	188.6736	2141.73				
1709	2015/05/02 10:32:56	188.7794	188.7794	2141.71				
1710	2015/05/02 10:39:21	188.8864	188.8864	2141.69				
1711	2015/05/02 10:45:46	188.9933	188.9933	2141.64				
1712	2015/05/02 10:52:11	189.1003	189.1003	2141.60				
1713	2015/05/02 10:58:41	189.2086	189.2086	2141.63				
1714	2015/05/02 11:05:11	189.3169	189.3169	2141.55				
1715	2015/05/02 11:11:41	189.4253	189.4253	2141.50				
1716	2015/05/02 11:18:15	189.5347	189.5347	2141.47				
1717	2015/05/02 11:24:50	189.6444	189.6444	2141.50				
1718	2015/05/02 11:31:31	189.7558	189.7558	2141.43				
1719	2015/05/02 11:38:05	189.8653	189.8653	2141.41				
1720	2015/05/02 11:44:50	189.9778	189.9778	2141.35				
1721	2015/05/02 11:51:30	190.0889	190.0889	2141.35				
1722	2015/05/02 11:58:15	190.2014	190.2014	2141.29				
1723	2015/05/02 12:05:05	190.3153	190.3153	2141.29				
1724	2015/05/02 12:11:50	190.4278	190.4278	2141.25				
1725	2015/05/02 12:18:40	190.5417	190.5417	2141.21				
1726	2015/05/02 12:25:35	190.6569	190.6569	2141.20				
1727	2015/05/02 12:32:30	190.7722	190.7722	2141.18				
1728	2015/05/02 12:39:25	190.8875	190.8875	2141.17				
1729	2015/05/02 12:46:20	191.0028	191.0028	2141.15				
1730	2015/05/02 12:53:20	191.1194	191.1194	2141.10				
1731	2015/05/02 13:00:25	191.2375	191.2375	2141.09				
1732	2015/05/02 13:07:30	191.3556	191.3556	2141.02				
1733	2015/05/02 13:14:35	191.4736	191.4736	2140.98				
1734	2015/05/02 13:21:40	191.5917	191.5917	2140.97				
1735	2015/05/02 13:28:50	191.7111	191.7111	2140.97				
1736	2015/05/02 13:36:05	191.8319	191.8319	2140.93				

EXHIBIT 8

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1737	2015/05/02 13:43:15	191.9514	191.9514	2140.91				
1738	2015/05/02 13:50:35	192.0736	192.0736	2140.89				
1739	2015/05/02 13:57:50	192.1944	192.1944	2140.86				
1740	2015/05/02 14:05:10	192.3167	192.3167	2140.79				
1741	2015/05/02 14:12:30	192.4389	192.4389	2140.81				
1742	2015/05/02 14:19:55	192.5625	192.5625	2140.76				
1743	2015/05/02 14:27:20	192.6861	192.6861	2140.73				
1744	2015/05/02 14:34:50	192.8111	192.8111	2140.70				
1745	2015/05/02 14:42:20	192.9361	192.9361	2140.70				
1746	2015/05/02 14:49:50	193.0611	193.0611	2140.65				
1747	2015/05/02 14:57:25	193.1875	193.1875	2140.62				
1748	2015/05/02 15:05:00	193.3139	193.3139	2140.60				
1749	2015/05/02 15:12:41	193.4419	193.4419	2140.57				
1750	2015/05/02 15:20:20	193.5694	193.5694	2140.51				
1751	2015/05/02 15:28:06	193.6989	193.6989	2140.51				
1752	2015/05/02 15:35:46	193.8267	193.8267	2140.50				
1753	2015/05/02 15:43:36	193.9572	193.9572	2140.41				
1754	2015/05/02 15:51:25	194.0875	194.0875	2140.44				
1755	2015/05/02 15:59:16	194.2183	194.2183	2140.40				
1756	2015/05/02 16:07:11	194.3503	194.3503	2140.36				
1757	2015/05/02 16:15:06	194.4822	194.4822	2140.36				
1758	2015/05/02 16:23:00	194.6139	194.6139	2140.32				
1759	2015/05/02 16:31:00	194.7472	194.7472	2140.28				
1760	2015/05/02 16:39:05	194.8819	194.8819	2140.25				
1761	2015/05/02 16:47:10	195.0167	195.0167	2140.16				
1762	2015/05/02 16:55:15	195.1514	195.1514	2140.17				
1763	2015/05/02 17:03:25	195.2875	195.2875	2140.15				
1764	2015/05/02 17:11:35	195.4236	195.4236	2140.16				
1765	2015/05/02 17:19:50	195.5611	195.5611	2140.14				
1766	2015/05/02 17:28:05	195.6986	195.6986	2140.07				
1767	2015/05/02 17:36:25	195.8375	195.8375	2140.07				
1768	2015/05/02 17:44:45	195.9764	195.9764	2140.01				
1769	2015/05/02 17:53:05	196.1153	196.1153	2139.99				
1770	2015/05/02 18:01:30	196.2556	196.2556	2139.96				
1771	2015/05/02 18:10:00	196.3972	196.3972	2139.93				
1772	2015/05/02 18:18:25	196.5375	196.5375	2139.90				
1773	2015/05/02 18:27:00	196.6806	196.6806	2139.91				
1774	2015/05/02 18:35:35	196.8236	196.8236	2139.88				
1775	2015/05/02 18:44:10	196.9667	196.9667	2139.83				
1776	2015/05/02 18:52:50	197.1111	197.1111	2139.78				
1777	2015/05/02 19:01:30	197.2556	197.2556	2139.78				
1778	2015/05/02 19:10:15	197.4014	197.4014	2139.74				
1779	2015/05/02 19:19:00	197.5472	197.5472	2139.69				
1780	2015/05/02 19:27:50	197.6944	197.6944	2139.65				
1781	2015/05/02 19:36:40	197.8417	197.8417	2139.65				
1782	2015/05/02 19:45:35	197.9903	197.9903	2139.59				
1783	2015/05/02 19:54:31	198.1392	198.1392	2139.56				
1784	2015/05/02 20:03:31	198.2892	198.2892	2139.55				
1785	2015/05/02 20:12:31	198.4392	198.4392	2139.53				
1786	2015/05/02 20:21:31	198.5892	198.5892	2139.51				
1787	2015/05/02 20:30:41	198.7419	198.7419	2139.47				
1788	2015/05/02 20:39:46	198.8933	198.8933	2139.43				
1789	2015/05/02 20:49:01	199.0475	199.0475	2139.41				
1790	2015/05/02 20:58:15	199.2014	199.2014	2139.39				
1791	2015/05/02 21:07:30	199.3556	199.3556	2139.38				
1792	2015/05/02 21:16:51	199.5114	199.5114	2139.30				

EXHIBIT 8

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1793	2015/05/02 21:26:10	199.6667	199.6667	2139.25				
1794	2015/05/02 21:35:35	199.8236	199.8236	2139.26				
1795	2015/05/02 21:45:00	199.9806	199.9806	2139.23				
1796	2015/05/02 21:54:30	200.1389	200.1389	2139.20				
1797	2015/05/02 22:04:00	200.2972	200.2972	2139.15				
1798	2015/05/02 22:13:35	200.4569	200.4569	2139.14				
1799	2015/05/02 22:23:10	200.6167	200.6167	2139.11				
1800	2015/05/02 22:32:50	200.7778	200.7778	2139.07				
1801	2015/05/02 22:42:35	200.9403	200.9403	2139.06				
1802	2015/05/02 22:52:20	201.1028	201.1028	2139.01				
1803	2015/05/02 23:02:05	201.2653	201.2653	2138.99				
1804	2015/05/02 23:11:55	201.4292	201.4292	2138.96				
1805	2015/05/02 23:21:50	201.5944	201.5944	2138.93				
1806	2015/05/02 23:31:45	201.7597	201.7597	2138.92				
1807	2015/05/02 23:41:45	201.9264	201.9264	2138.91				
1808	2015/05/02 23:51:45	202.0931	202.0931	2138.83				
1809	2015/05/03 00:01:50	202.2611	202.2611	2138.80				
1810	2015/05/03 00:12:00	202.4306	202.4306	2138.80				
1811	2015/05/03 00:22:10	202.6000	202.6000	2138.74				
1812	2015/05/03 00:32:20	202.7694	202.7694	2138.71				
1813	2015/05/03 00:42:35	202.9403	202.9403	2138.70				
1814	2015/05/03 00:52:55	203.1125	203.1125	2138.69				
1815	2015/05/03 01:03:15	203.2847	203.2847	2138.66				
1816	2015/05/03 01:13:41	203.4586	203.4586	2138.62				
1817	2015/05/03 01:24:06	203.6322	203.6322	2138.58				
1818	2015/05/03 01:34:36	203.8072	203.8072	2138.51				
1819	2015/05/03 01:45:11	203.9836	203.9836	2138.50				
1820	2015/05/03 01:55:46	204.1600	204.1600	2138.47				
1821	2015/05/03 02:06:21	204.3364	204.3364	2138.48				
1822	2015/05/03 02:17:06	204.5156	204.5156	2138.43				
1823	2015/05/03 02:27:50	204.6944	204.6944	2138.41				
1824	2015/05/03 02:38:35	204.8736	204.8736	2138.39				
1825	2015/05/03 02:49:25	205.0542	205.0542	2138.36				
1826	2015/05/03 03:00:20	205.2361	205.2361	2138.33				
1827	2015/05/03 03:11:15	205.4181	205.4181	2138.29				
1828	2015/05/03 03:22:15	205.6014	205.6014	2138.23				
1829	2015/05/03 03:33:20	205.7861	205.7861	2138.21				
1830	2015/05/03 03:44:25	205.9708	205.9708	2138.16				
1831	2015/05/03 03:55:35	206.1569	206.1569	2138.18				
1832	2015/05/03 04:06:45	206.3431	206.3431	2138.18				
1833	2015/05/03 04:18:00	206.5306	206.5306	2138.13				
1834	2015/05/03 04:29:20	206.7194	206.7194	2138.08				
1835	2015/05/03 04:40:40	206.9083	206.9083	2138.08				
1836	2015/05/03 04:52:05	207.0986	207.0986	2138.05				
1837	2015/05/03 05:03:30	207.2889	207.2889	2137.98				
1838	2015/05/03 05:15:00	207.4806	207.4806	2137.97				
1839	2015/05/03 05:26:35	207.6736	207.6736	2137.97				
1840	2015/05/03 05:38:10	207.8667	207.8667	2137.89				
1841	2015/05/03 05:49:50	208.0611	208.0611	2137.91				
1842	2015/05/03 06:01:35	208.2569	208.2569	2137.88				
1843	2015/05/03 06:13:21	208.4531	208.4531	2137.83				
1844	2015/05/03 06:25:11	208.6503	208.6503	2137.82				
1845	2015/05/03 06:37:06	208.8489	208.8489	2137.79				
1846	2015/05/03 06:49:01	209.0475	209.0475	2137.75				
1847	2015/05/03 07:01:01	209.2475	209.2475	2137.71				
1848	2015/05/03 07:13:06	209.4489	209.4489	2137.68				

EXHIBIT 8

Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bbl/d	bbl/d	bbl/d
1849	2015/05/03 07:25:11	209.6503	209.6503	2137.64				
1850	2015/05/03 07:37:20	209.8528	209.8528	2137.63				
1851	2015/05/03 07:49:35	210.0569	210.0569	2137.56				
1852	2015/05/03 08:01:50	210.2611	210.2611	2137.57				
1853	2015/05/03 08:14:10	210.4667	210.4667	2137.54				
1854	2015/05/03 08:26:35	210.6736	210.6736	2137.46				
1855	2015/05/03 08:39:00	210.8806	210.8806	2137.46				
1856	2015/05/03 08:51:30	211.0889	211.0889	2137.41				
1857	2015/05/03 09:04:05	211.2986	211.2986	2137.41				
1858	2015/05/03 09:16:40	211.5083	211.5083	2137.39				
1859	2015/05/03 09:29:25	211.7208	211.7208	2137.36				
1860	2015/05/03 09:42:05	211.9319	211.9319	2137.34				
1861	2015/05/03 09:54:55	212.1458	212.1458	2137.28				
1862	2015/05/03 10:07:45	212.3597	212.3597	2137.26				
1863	2015/05/03 10:20:40	212.5750	212.5750	2137.22				
1864	2015/05/03 10:33:40	212.7917	212.7917	2137.21				
1865	2015/05/03 10:46:40	213.0083	213.0083	2137.16				
1866	2015/05/03 10:59:45	213.2264	213.2264	2137.11				
1867	2015/05/03 11:12:56	213.4461	213.4461	2137.10				
1868	2015/05/03 11:26:11	213.6669	213.6669	2137.04				
1869	2015/05/03 11:39:26	213.8878	213.8878	2137.02				

EXHIBIT 8

Gas Well Test - Falloff

Radial Flow Analysis

Analysis Results

Flow Capacity (kh)	20237	md.ft	Total Skin (s')	-1.402	
Effective Permeability (k)	252.9612	md	Skin Due to Damage (s_d)	-1.401	
Effective Gas Permeability (k_g)	252.9612	md	Skin Due To Inclination (s_{Inc})		
Effective Oil Permeability (k_o)		md	Skin Due To Partial Penetration (s_{PP})		
Effective Water Permeability (k_w)		md	Pressure Drop Due to Total Skin (Δp_{skin})		psi(a)
Total Fluid Rate (in situ) ($(q\beta)_t$)	-13222.2	rbbl/d	Damage Ratio (DR)	0.929	
Total Mobility ($(k/\mu)_t$)	11235.88	md/cP	Flow Efficiency (FE)	1.076	
Total Transmissivity ($(kh/\mu)_t$)	898870.67	mdft/cP			
Slope (m)	0.4491	(10^6psi^2/cP)/cycle			

Reservoir Parameters

Net Pay (h)	80.000	ft
Total Porosity (ϕ_t)	28.00	%
Gas Saturation (S_g)	70.00	%
Oil Saturation (S_o)	0.00	%
Water Saturation (S_w)	30.00	%
Formation Compressibility (c_f)	3.1715e-06	1/psi
Total Compressibility (c_t)	3.0924e-04	1/psi
Wellbore Radius (r_w)	0.700	ft

Pressures

Extrapolated Pressure (p*)	2148.4	psi(a)
Final Flowing Pressure (p_{wfo})	2163.0	psi(a)
Final Measured Pressure (p_{last})	2137.0	psi(a)

Fluid Properties

Reservoir Temperature (T_{resv})	122.0	°F
Reservoir Pressure (p_{resv})	2125.0	psi(a)
Gas Gravity (γ_g)	0.970	
N_2	97.00	%
CO_2	0.00	%
H_2S	0.00	%
Critical Temperature (T_c)	233.9	°R
Critical Pressure (p_c)	497.4	psi(a)
Gas Viscosity (μ_g)	0.0225	cP
Gas Compressibility (c_g)	4.3597e-04	1/psi
Gas Compressibility Factor (z)	1.005	
Gas Formation Volume Factor (B_g)	1.3816e-03	bbl/scf
Gas Correlation	B.W.R. (Table)	
Gas Viscosity Correlation	Carr et al	

Production and Times

Corrected Time (t_c)	165.73	h
Total Cumulative Production Gas (Cum_{gas})	-66.085	MMscf
Final Gas Rate ($q_{g\ final}$)	-9.570	MMscfd

EXHIBIT 9

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Diagnostic Analysis Plot
Falloff Test History

Pressure Falloff Test 1May2015
Final Bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,665 - 4,755' TVD

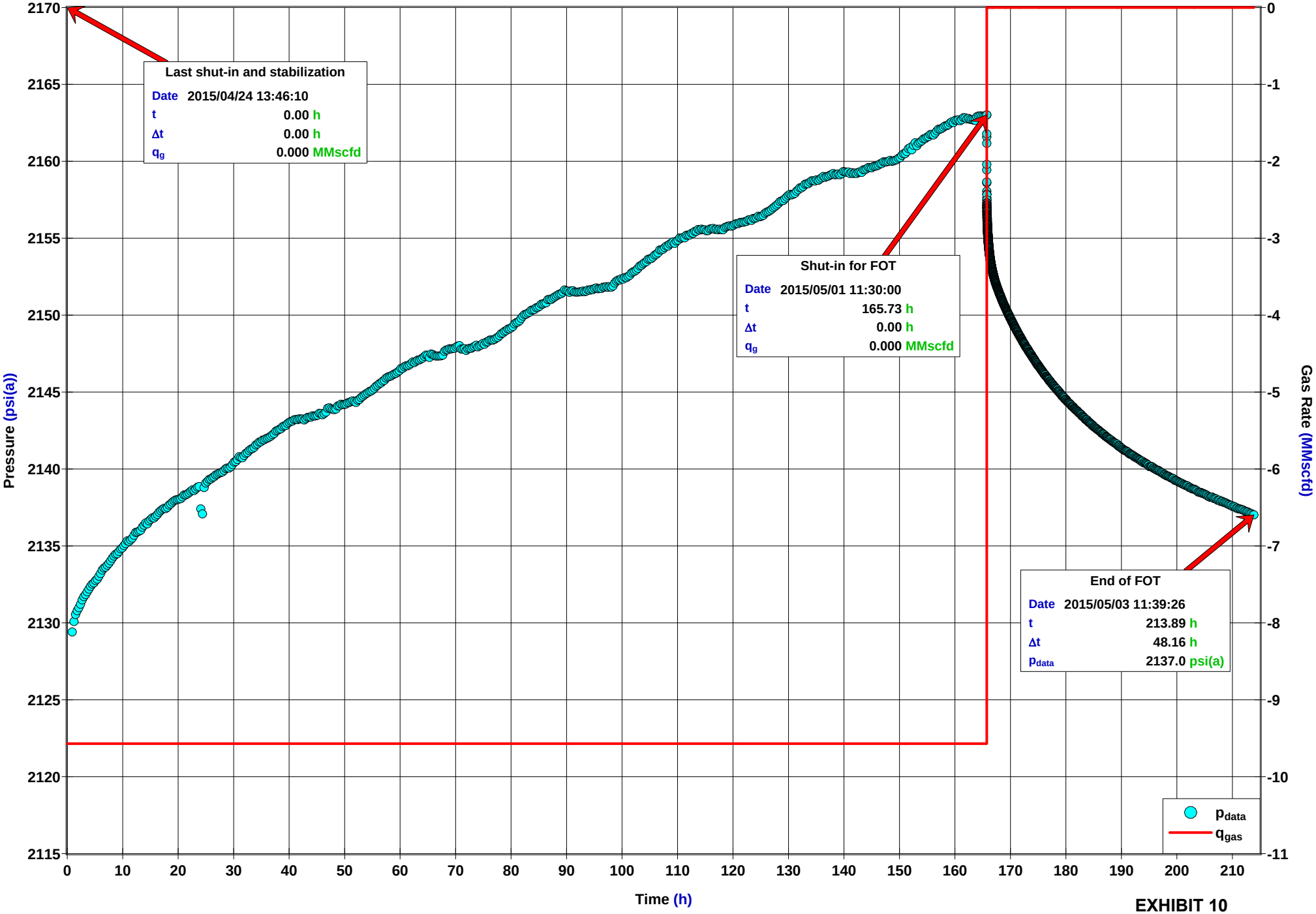


EXHIBIT 10

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Diagnostic Analysis Plot
Typecurve

Pressure Falloff Test 1May2015
Final Bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,665 - 4,755' TVD

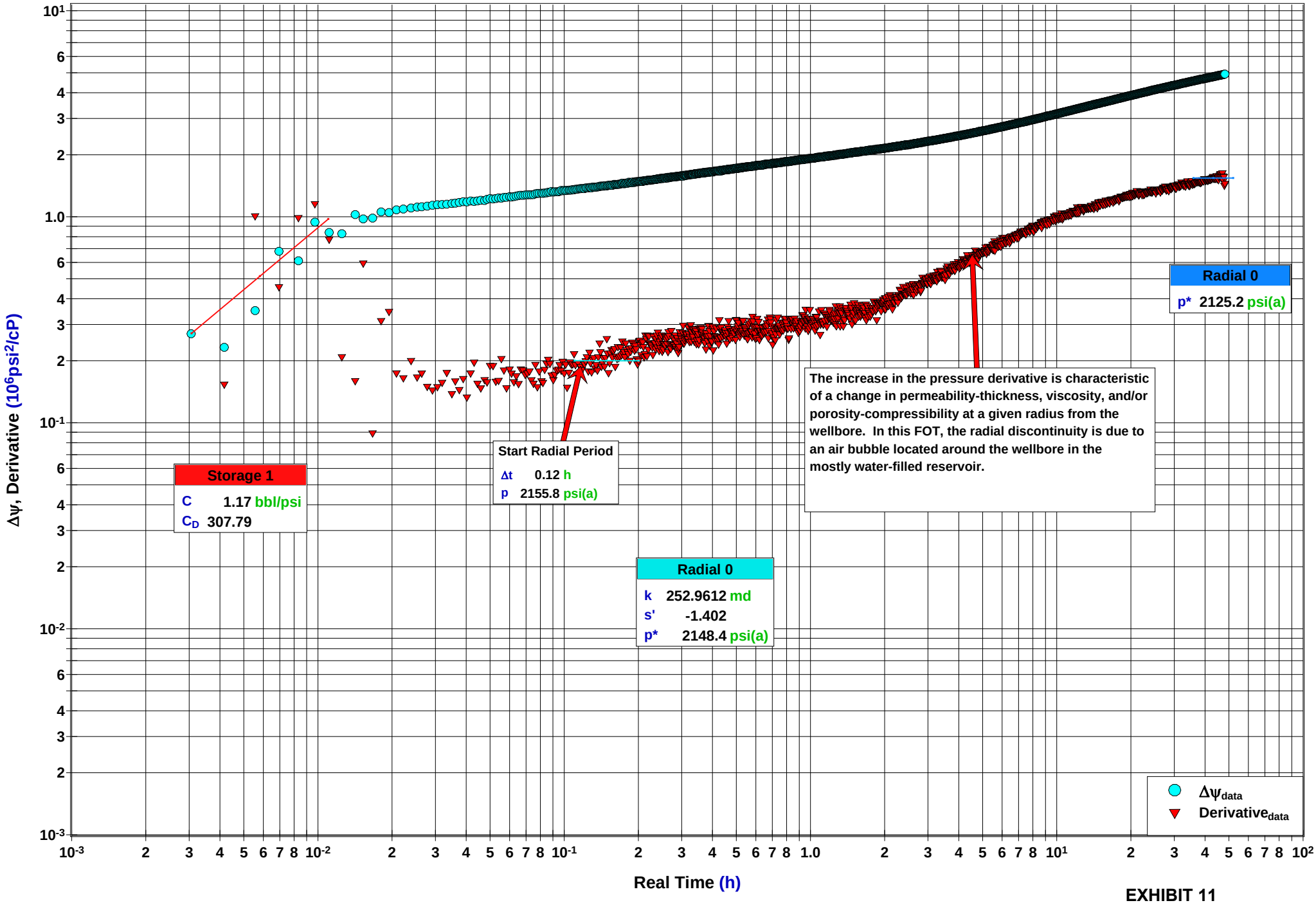


EXHIBIT 11

WellTest32™ Ver 7.6.0.116 132928
C:\Users\aburzlaff.MHA\Documents\PGE CAES\Falloff Test 01May2015\IW Well 1 FOT 5-1-2015.fkt 01-Jun-15

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Diagnostic Analysis Plot
Radial Horner

Pressure Falloff Test 1May2015
Final Bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,665 - 4,755' TVD

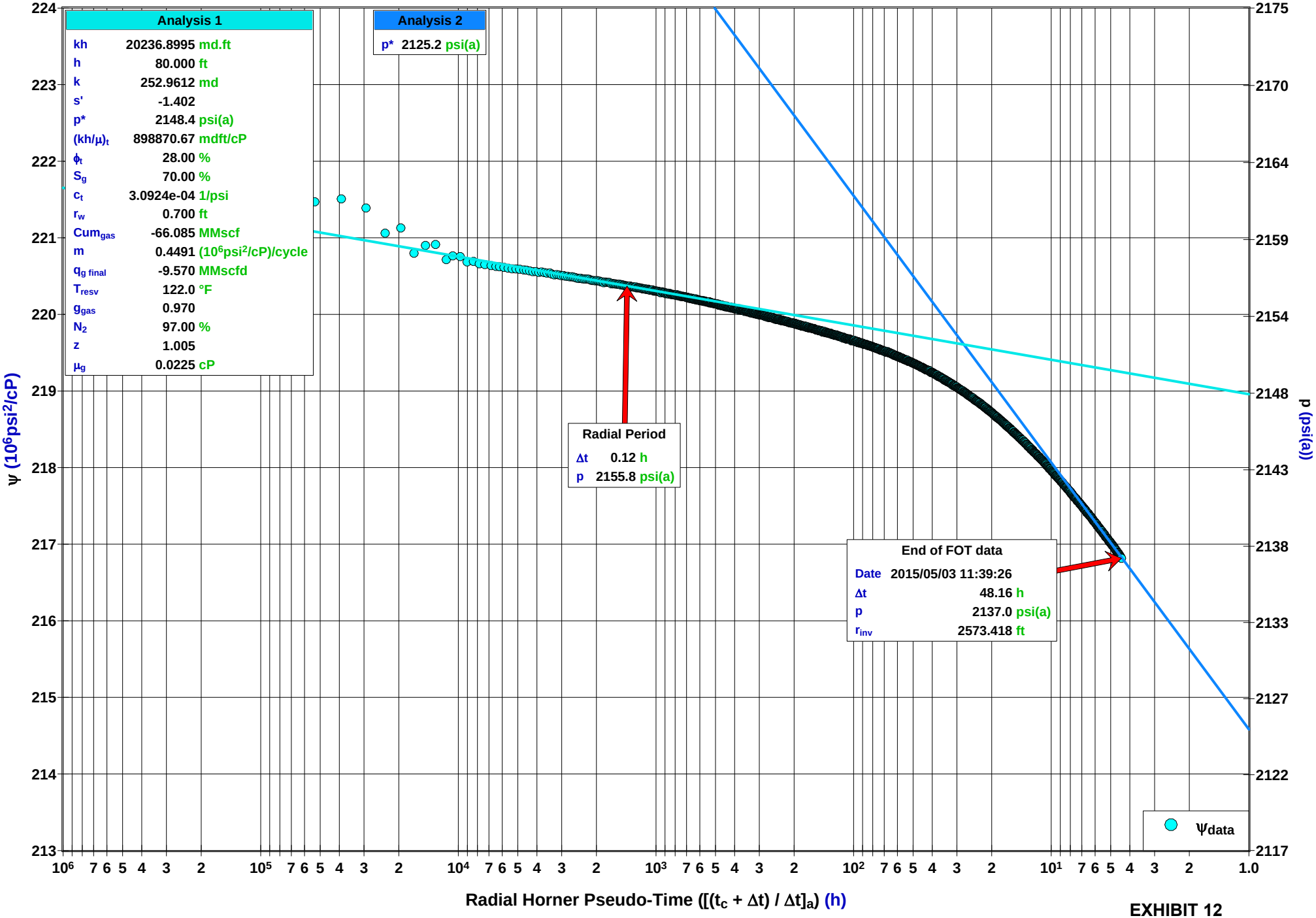


EXHIBIT 12

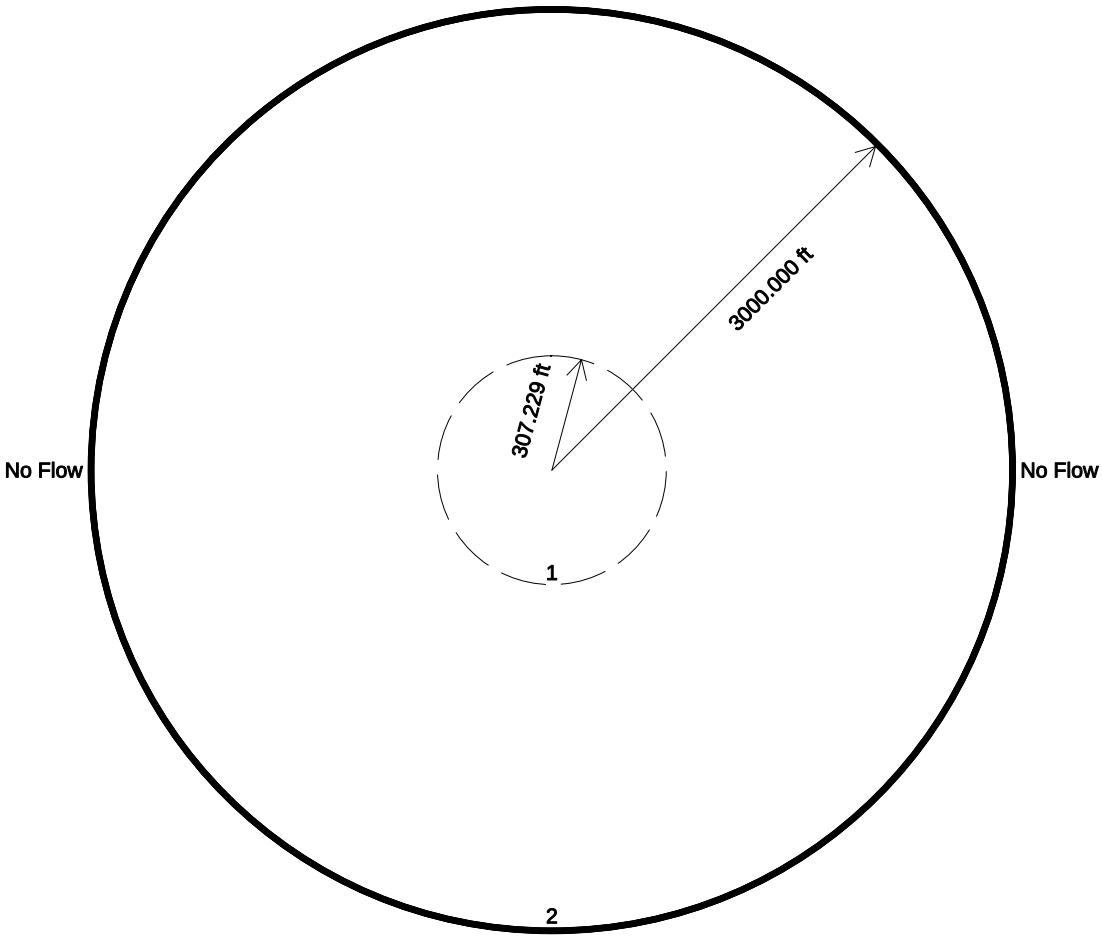
Test Simulation Composite Model

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

s_d = -1.402
k_1 = 252.9612 md
k_2 = 550.0000 md
ϕ_{t1} = 28.00 %
ϕ_{t2} = 30.00 %
μ_1 = 0.0225 cP
μ_2 = 0.5400 cP

Plan View

(Not to scale)



Side View

(Not to scale)

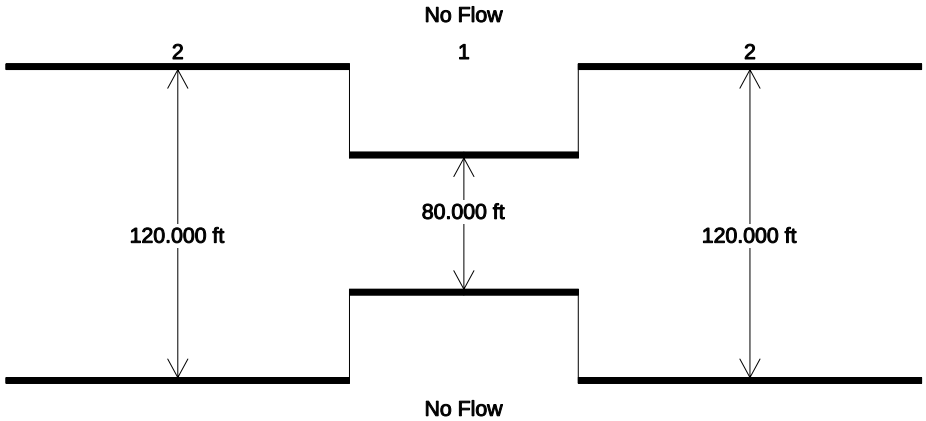


EXHIBIT 13

Gas Model - Test Simulation Composite Model

Analysis Results

	Zone 1	Zone 2
Effective Permeability (k_1)	252.9612 md	550.0000 md
Net Pay (h_1)	80.000 ft	120.000 ft
Viscosity (μ_1)	0.0225 cP	0.5400 cP
Total Porosity (ϕ_{t1})	28.00 %	30.00 %
Gas Saturation (S_{g1})	70.00 %	10.00 %
Oil Saturation (S_{o1})	0.00 %	0.00 %
Water Saturation (S_{w1})	30.00 %	90.00 %
Formation Compressibility (c_{f1})	3.1715e-06 1/psi	3.0820e-06 1/psi
Total Compressibility (c_{t1})	3.0924e-04 1/psi	4.9349e-05 1/psi
Radius (r_{e1})	307.229 ft	3000.000 ft

Total Skin (s')	-1.402
Wellbore Volume (V_w)	1743 bbl
Dim. Wellbore Storage Constant (C_D)	200.000

Reservoir Parameters

Wellbore Radius (r_w)	0.700 ft

Production and Pressures

Final Gas Rate ($q_{g\ final}$)	-9.570 MMscfd
Total Cumulative Production Gas (Cum_{gas})	-66.085 MMscf
Final Flowing Pressure (p_{wfo})	2163.0 psi(a)
Final Measured Pressure (p_{last})	2137.0 psi(a)

Fluid Properties

Reservoir Temperature (T_{resv})	122.0 °F
Reservoir Pressure (p_{resv})	2125.0 psi(a)
Gas Gravity (γ_g)	0.970
N_2	97.00 %
CO_2	0.00 %
H_2S	0.00 %
Critical Temperature (T_c)	233.9 °R
Critical Pressure (p_c)	497.4 psi(a)
Gas Viscosity (μ_g)	0.0225 cP
Gas Compressibility (c_g)	4.3597e-04 1/psi
Gas Compressibility Factor (z)	1.005
Gas Formation Volume Factor (B_g)	1.3816e-03 bbl/scf
Gas Correlation	B.W.R. (Table)
Gas Viscosity Correlation	Carr et al

Synthesis Results

Average Error (E_{avg})	0.02 %
Synthetic Initial Pressure (p_i (syn))	2121.9 psi(a)
Final Average Reservoir Pressure (p_{avg})	2132.9 psi(a)
Pressure Drop Due to Total Skin (Δp_{skin})	psi(a)
Flow Efficiency (FE)	1.095
Damage Ratio (DR)	0.913

EXHIBIT 14

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Test Simulation Composite Model
History

Pressure Falloff Test 1May2015
Final Bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,665 - 4,755' TVD

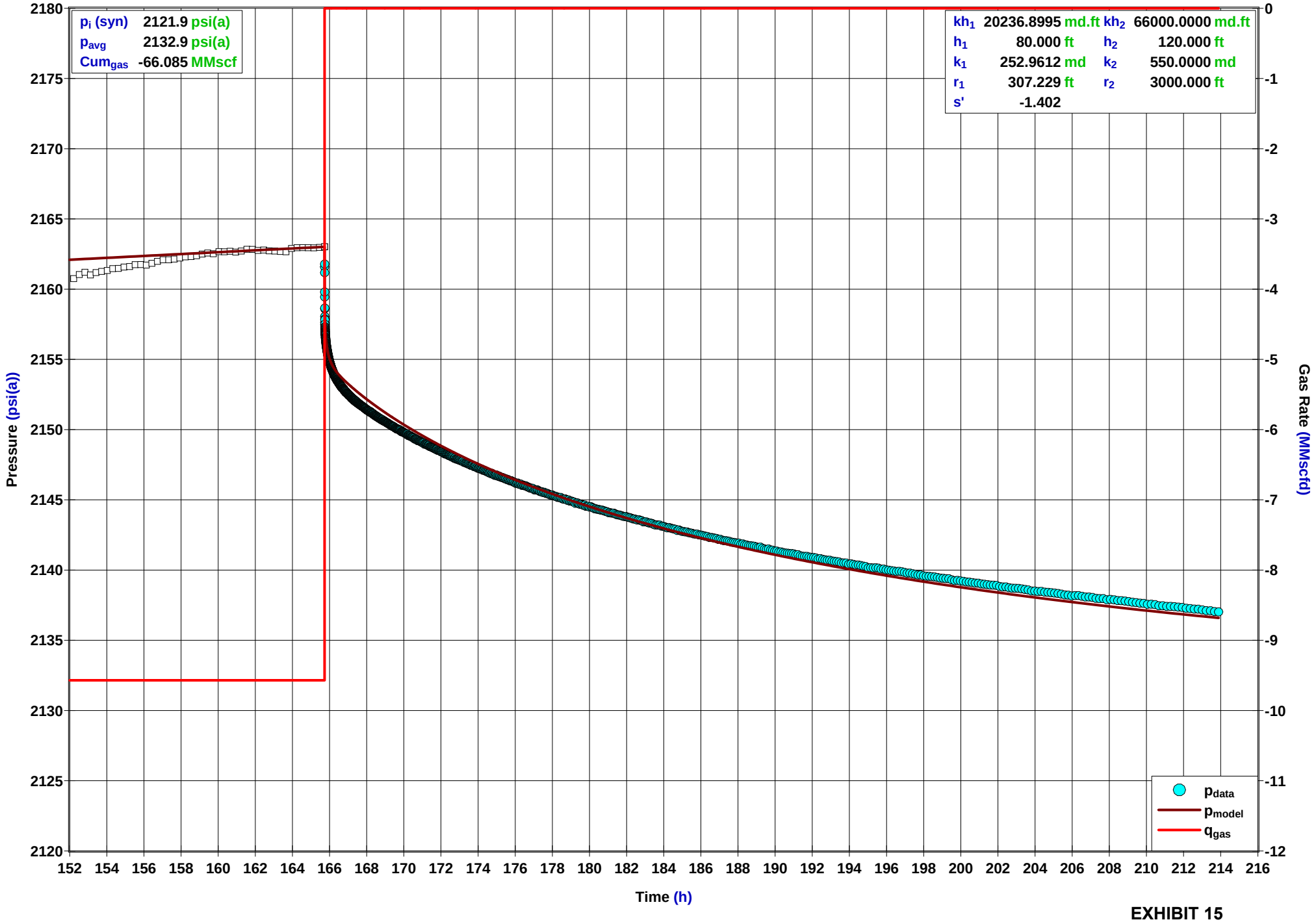


EXHIBIT 15

WellTest32™ Ver 7.6.0.116 132928
C:\Users\aburzlaff.MHA\Documents\PGE CAES\Falloff Test 01May2015\IW Well 1 FOT 5-1-2015.fkt 01-Jun-15

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Test Simulation Composite Model
Typecurve

Pressure Falloff Test 1May2015
Final Bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,665 - 4,755' TVD

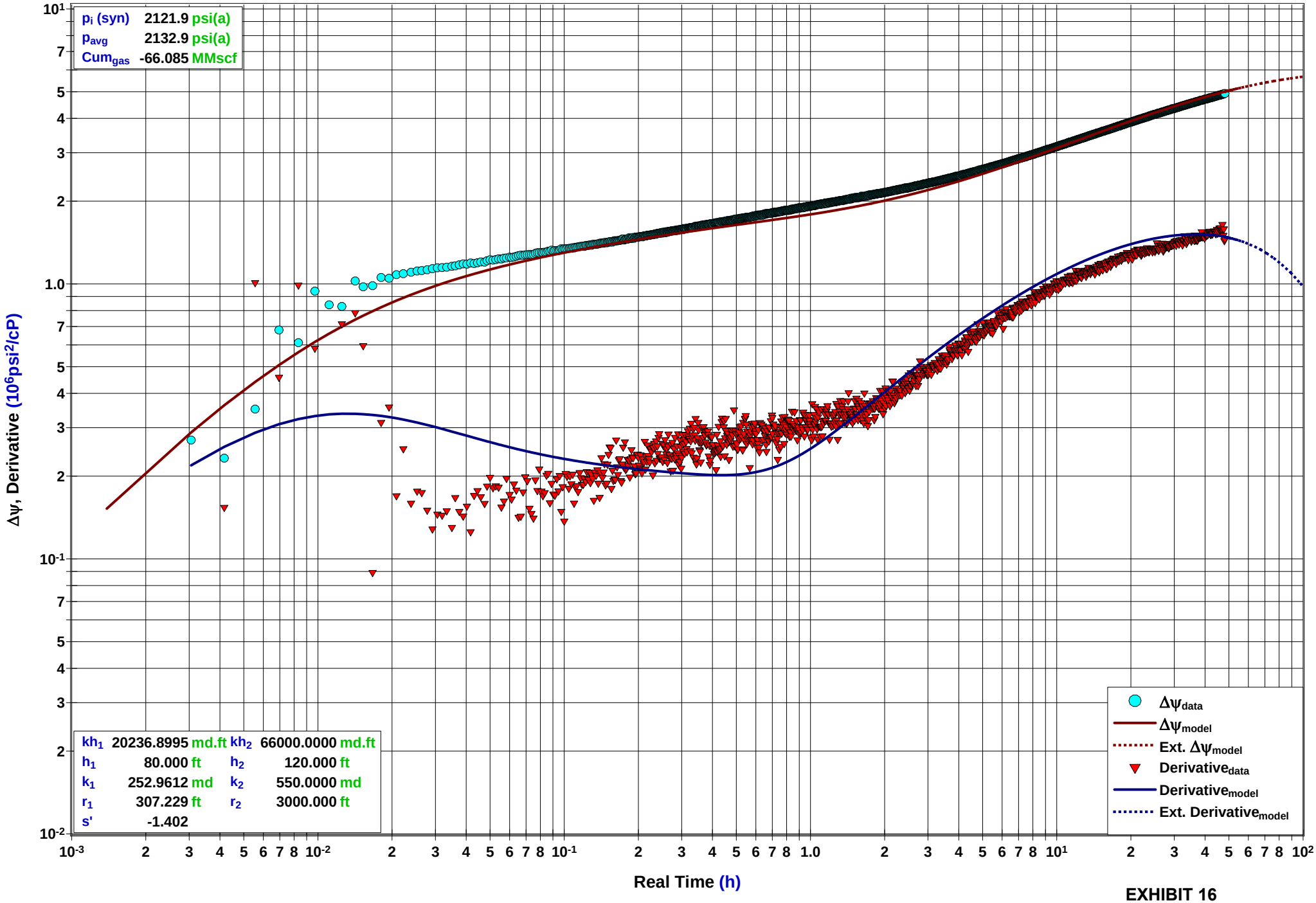


EXHIBIT 16

PG&E CAES Field Test
PG&E Test Injection/Withdrawal Well 1
King Island Gas Field
San Joaquin Co, CA

Test Simulation Composite Model
Radial

Pressure Falloff Test 1May2015
Final Bubble Build - Filtered Data
Gauge @ 4,610' MD (4,565' TVD)
Completion 4,665 - 4,755' TVD

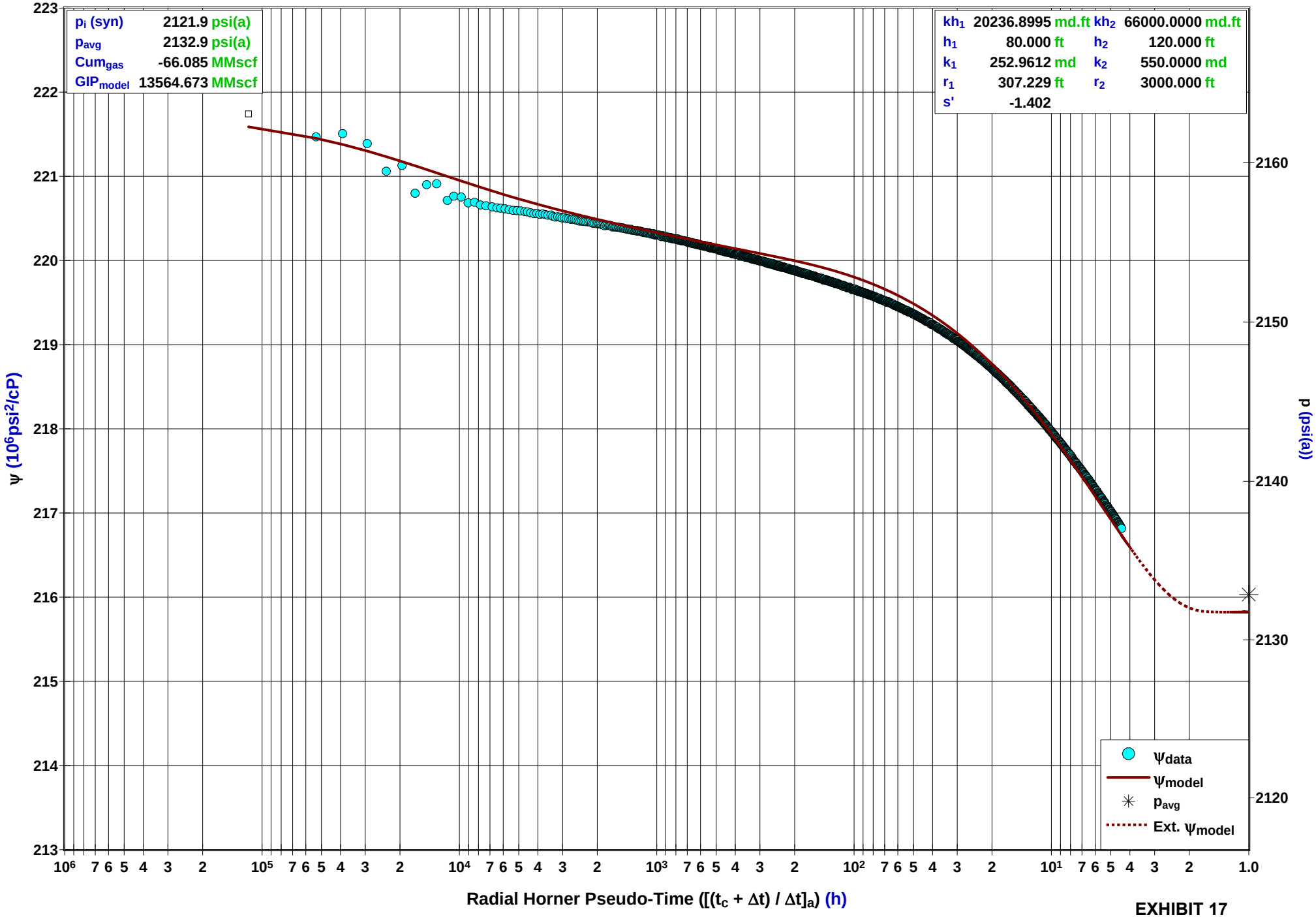


EXHIBIT 17

ATTACHMENT 5

Injection Fluid Analysis at Oxygen Depleted Air Injection Completion

ZALCO LABORATORIES, INC.
4309 Armour Avenue, Bakersfield, CA 93308 (661) 395-0539 FAX (661) 395-3069 www.zalcolabs.com
2186 Eastman Avenue, Suite 103, Ventura, CA 93003 (805) 477-0114 Fax (805) 477-0125

PG&E
8601 W. Eight Mile Rd.
Stockton CA 95219

Laboratory No: 1505153-03
Date Received: 05/12/15
Date Analyzed: 05/12/15

Attention: Mark Ausburn

Sample Description: HP Compressor Air Sample
Sampled: 05/06/2015 @ 07:06 PM by Client

Chromatographic Analysis, ASTM D-1945-03, ASTM D-3588-98, GPA 2145-09, ASTM D-3246-11

Constituent:	Mole %	Weight %	Vol %	Ideal BTU @ 14.696 %
Oxygen	5.821	6.595	4.765	
Nitrogen	94.179	93.405	95.235	
Carbon Dioxide	0.000	0.000	0.000	
Carbon Monoxide	0.000	0.000	0.000	
Methane	0.000	0.000	0.000	0.00
Ethane	0.000	0.000	0.000	0.00
Propane	0.000	0.000	0.000	0.00
IsoButane	0.000	0.000	0.000	0.00
n-Butane	0.000	0.000	0.000	0.00
IsoPentane	0.000	0.000	0.000	0.00
n-Pentane	0.000	0.000	0.000	0.00
Hexanes	0.000	0.000	0.000	0.00
Heptanes	0.000	0.000	0.000	0.00
Octanes	0.000	0.000	0.000	0.00
Nonanes	0.000	0.000	0.000	0.00
Decanes+	0.000	0.000	0.000	0.00
TOTAL	100.00	100.00	100.00	*Ideal* 0.00
				Real 0.00

Ideal Gravity: 0.9752
Real Gravity: 0.9750
Compressibilty Factor (Z) @ 14.696 PSIA, 60°F: 0.9997

Base Pressures	14.73	14.65	15.025
Gross Ideal Gas, BTU Dry	0.00	0.00	0.00
Gross Ideal Gas, BTU Wet	0.00	0.00	0.00
Gross Real Gas, BTU Dry	0.00	0.00	0.00
Gross Real Gas, BTU Wet	0.00	0.00	0.00

Decanes+ to C12

ATTACHMENT 6

Injection Fluid Analysis at Ambient Air Injection Start-up

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

May 29, 2015

Mark Ausburn
PG & E
8601 W. Eight Mile Road
Stockton, CA 95219

TEL: (360) 393-4290
FAX: (661) 872-5119

Project ID:
RE: 1505325

Dear Mark Ausburn:

Zalco Laboratories, Inc. received 1 samples on 5/26/2015 for the analyses presented in the following report.

We appreciate your business and look forward to serving you in the future. Please feel free to call our office if you have any questions regarding these test results.

Sincerely,

Juan Magana
Project Manager
CC:

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-6°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.

ZALCO LABORATORIES, INC.
4309 Armour Avenue, Bakersfield, CA 93308 (661) 395-0539 FAX (661) 395-3069 www.zalcolabs.com
2186 Eastman Avenue, Suite 103, Ventura, CA 93003 (805) 477-0114 FAX (805) 477-0125

PG & E
8601 West 8 Mile Rd.
Stockton CA 95219

Attention: Mark Ausburn

Sample Description: I/W Well Injection Gas Sample
Sampled: 5/21/2015 by Client

Laboratory No: 1505325-01
Date Received: 05/26/15
Date Analyzed: 05/26/15
Date Completed: 5/28/15 3:54 PM

Chromatographic Analysis, ASTM D-1945-03, ASTM D-3246-11, ASTM D-6228.

Constituent:	Result	Units
Hydrogen Sulfide	<1.0	ppmv

Chromatographic Analysis, ASTM D-1945-03, ASTM D-3588-98, GPA 2145-09, ASTM D-3246-11

Constituent:	Mole %	Vol%	Weight %	GPM	GPM Fractions	CHONS%
						Carbon, C
Oxygen	22.357	18.899	24.745	(Gallons per		0.02
Nitrogen	77.601	81.034	75.192	1000.000		
Hydrogen	0.000	0.000	0.000	cubic feet)		Hydrogen, H
Carbon Dioxide	0.042	0.067	0.063			0.00
Carbon Monoxide	0.000	0.000	0.000			
Hydrogen Sulfide	0.000	0.000	0.000			Oxygen, O
Methane	0.000	0.000	0.000	0.0000	C1+ = 0.0000	24.79
Ethane	0.000	0.000	0.000	0.0000	C2+ = 0.0000	
Propane	0.000	0.000	0.000	0.0000	C3+ = 0.0000	Nitrogen, N
IsoButane	0.000	0.000	0.000	0.0000	C4+ = 0.0000	75.19
n-Butane	0.000	0.000	0.000	0.0000	C4+ = 0.0000	
IsoPentane	0.000	0.000	0.000	0.0000	C5+ = 0.0000	Sulfur, S
n-Pentane	0.000	0.000	0.000	0.0000	C5+ = 0.0000	0.00
Hexanes	0.000	0.000	0.000	0.0000	C6+ = 0.0000	
Totals:	100.00	100.00	100.00	0.0000		100.00

Flammable Gases: 0.000
Gas Properties calculated @ STP: degrees F. 60
Measurement Base Pressure @ STP: psia 14.696 **H/C Ratio:** 0.00

Gas State	Dry Btu / Cu. Ft	Btu / lb	Wet Btu / Cu. Ft
Gross, Ideal Gas	0.00	0.00	0.00
Net, Ideal Gas	0.00	0.00	0.00
Gross, Real Gas	**0.00**		0.00
Net, Real Gas	0.00		0.00

Relative Gas Density; [Air=1] Ideal:	0.9982
Specific Gravity, [Air=1] Real gas:	0.9980
Real Gas Density, Lb/Cu.Ft.:	0.0762
Specific Volume, Cu.Ft./Lb:	13.1210
Relative Liquid Density @ 60F/60F:	0.8723
Compressibility, 'z':	0.9996
Fuel kg per kg-mole Molecular wt avg	28.911
THC by Wt. (C1-C6+)	0.000
VOC by Wt. (C3-C6+)	0.000
VOC/THC by Wt.	0.000

ZALCO LABORATORIES, INC.

4309 Armour Avenue, Bakersfield, CA 93308 (661) 395-0539 FAX (661) 395-3069 www.zalcolabs.com

CHAIN OF CUSTODY, ID# 15053325

Page 1 of 1

Zalco Lab # 15053325

Client PO #

PROJECT ID:

QUOTE ID:

REPORT INFO	INVOICE INFO
Client: PG&E	Invoice To: Same as Client ☒
Address: 8601 West 8 Mile Rd.	Address:
City, State, Zip: Stockton, CA 95219	City, State, Zip:
Attention: Mark Auburn	Attention:
Phone: Results ❑	Phone:
Fax: Results ❑	Fax:
Email: Results ❑	Email:

SAMPLED BY: **EMPLOYED BY:**

ANALYSIS

Sample No. *	Sample Description	Date	Sample Time	Type*	# of Containers	Fixed Gases & HCs (C1-C6) ASTM D1946	H2S using ASTM D6228 (H2S to ppm)							Temperature (C°)
1	I/W Well Injection Gas Sample	5/21/15	1015	G	2	X	X							
~~2~~	I/W Well Injection Gas Sample	5/21/15	1020	G										
	↑ Dupe													

COMMENTS:

Turnaround Time:
Routine _____ working days ❑

Rush By _____ working days

Send Copy to State of CA?
Yes ❑ No ❑

Attention To:

Send Copy to County?
Yes ❑ No ❑

County

Hold for Instructions

H_2S ND per Dea.

RELINQUISHED By: Signature	PRINT	COMPANY	Date	Time	RECEIVED By: Signature	PRINT
[signature]	Kevin Plourde	Bluewater	5/21/15	1040	[signature]	F Johnson
[signature]	Dave Smith		5/21/15	1050		

NOTE: Samples are discarded 30 days after results unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client's expense.

*Sample Type Key: AQ-Aqueous; BS-Biosolid; DW-Drinking Water; GW-Ground Water; G-Gas; LPG-Liquid Petroleum Gas; OL-Oil; O-Other; P-Petroleum; S-Soil/Solid; ST-Storm Water; WW-Wastewater

*Sample No.: FOR OFFICE USE ONLY

ATTACHMENT 7

Injection Fluid Analysis at Ambient Air Injection Completion

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

June 9, 2015

Mark Ausburn
PG & E
8601 W. Eight Mile Road
Stockton, CA 95219

TEL: (360) 393-4290
FAX: (661) 872-5119

Project ID:
RE: 1506019

Dear Mark Ausburn:

Zalco Laboratories, Inc. received 1 samples on 6/2/2015 for the analyses presented in the following report.

We appreciate your business and look forward to serving you in the future. Please feel free to call our office if you have any questions regarding these test results.

Sincerely,

Juan Magana
Project Manager
CC:

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-6°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.

ZALCO LABORATORIES, INC.
4309 Armour Avenue, Bakersfield, CA 93308 (661) 395-0539 FAX (661) 395-3069 www.zalcolabs.com
2186 Eastman Avenue, Suite 103, Ventura, CA 93003 (805) 477-0114 FAX (805) 477-0125

PG & E
8601 W. Eight Mile Rd.
Stockton CA 95219

Laboratory No: 1506019-01
Date Received: 06/02/15
Date Analyzed: 06/05/15
Date Completed: 6/9/15 9:24 AM

Attention: Mark Ausburn

Sample Description: I/W Well Injection Gas Sample
Sampled: 5/29/2015 @ 8:01:00 PM by Kevin Plourde

Chromatographic Analysis, ASTM D-1945-03, ASTM D-3246-11, ASTM D-6228.

Constituent:	Result	Units
Hydrogen Sulfide	<1.0	ppmv

Chromatographic Analysis, ASTM D-1945-03, ASTM D-3588-98, GPA 2145-09, ASTM D-3246-11

Constituent:	Mole %	Vol%	Weight %	GPM	GPM Fractions	CHONS%
						Carbon, C
Oxygen	22.710	19.210	25.122	(Gallons per		0.02
Nitrogen	77.241	80.710	74.803	1000.000		
Hydrogen	0.000	0.000	0.000	cubic feet)		Hydrogen, H
Carbon Dioxide	0.049	0.080	0.075			0.00
Carbon Monoxide	0.000	0.000	0.000			
Hydrogen Sulfide	0.000	0.000	0.000			Oxygen, O
Methane	0.000	0.000	0.000	0.0000	C1+ = 0.0000	25.18
Ethane	0.000	0.000	0.000	0.0000	C2+ = 0.0000	
Propane	0.000	0.000	0.000	0.0000	C3+ = 0.0000	Nitrogen, N
IsoButane	0.000	0.000	0.000	0.0000	C4+ = 0.0000	74.80
n-Butane	0.000	0.000	0.000	0.0000	C4+ = 0.0000	
IsoPentane	0.000	0.000	0.000	0.0000	C5+ = 0.0000	Sulfur, S
n-Pentane	0.000	0.000	0.000	0.0000	C5+ = 0.0000	0.00
Hexanes	0.000	0.000	0.000	0.0000	C6+ = 0.0000	
Totals:	100.00	100.00	100.00	0.0000		100.00

Flammable Gases:	0.000	
Gas Properties calculated @ STP: degrees F.	60	
Measurement Base Pressure @ STP: psia	14.696	**H/C Ratio:** 0.00

Gas State	Dry Btu / Cu. Ft	Btu / lb	Wet Btu / Cu. Ft
Gross, Ideal Gas	0.00	0.00	0.00
Net, Ideal Gas	0.00	0.00	0.00
Gross, Real Gas	**0.00**		0.00
Net, Real Gas	0.00		0.00

Relative Gas Density; [Air=1] Ideal:	0.9988
Specific Gravity, [Air=1] Real gas:	0.9985
Real Gas Density, Lb/Cu.Ft.:	0.0763
Specific Volume, Cu.Ft./Lb:	13.1140
Relative Liquid Density @ 60F/60F:	0.8733
Compressibility, 'z':	0.9996
Fuel kg per kg-mole Molecular wt avg	28.926
THC by Wt. (C1-C6+)	0.000
VOC by Wt. (C3-C6+)	0.000
VOC/THC by Wt.	0.0000

ZALCO LABORATORIES, INC.

4309 Armour Avenue, Bakersfield, CA 93308 (661) 395-0539 FAX (661) 395-3069 www.zalcolabs.com

CHAIN OF CUSTODY, ID# 15060019

Page _____ of _____

Zalco Lab # _____

Client PO # _____

PROJECT ID: _____

QUOTE ID:

REPORT INFO		INVOICE INFO	
Client:	PG&E	Invoice To: Same as Client ☒	
Address:	8601 West 8 Mile Rd.	Address:	
City, State, Zip:	Stockton, CA 95219	City, State, Zip:	
Attention:	Mark Ausburn	Attention:	
Phone: Results ☐		Phone:	
Fax: Results ☐		Fax:	
Email: Results ☐		Email:	

SAMPLED BY: **EMPLOYED BY:**

Sample No.*	Sample Description	Date	Sample Time	Type*	# OF CONTAINERS	Fixed Gases + HC's (C_1-C_6) ASTM D1945	H_2S using ASTM D6228 (H_2S to 1 ppm)							TEMPERATURE (C°)	
1	I/W Well Injection Gas Sample	5/29/15	2001	G	1	X	X								
2	I/W Well Injection Gas Sample	5/29/15	2004	G	1										Hold for Instructions

ANALYSIS

COMMENTS:

Turnaround Time:
Routine 5 working days ☒
Rush By _____ working days

Send Copy to State of CA?
Yes ☐ No ☐

Attention To: _____

Send Copy to County?
Yes ☐ No ☐

County _____

RELINQUISHED By: Signature	PRINT	COMPANY	Date	Time	RECEIVED By: Signature	PRINT
[signature]	Kevin A. Plourde	Bluewater	6/1/15	1023		
			6/2	1005	[signature]	K Springman

NOTE: Samples are discarded 30 days after results unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client's expense.

*Sample Type Key: AQ-Aqueous; BS-Biosolid; DW-Drinking Water; GW-Ground Water; G-Gas; LPG-Liquid Petroleum Gas; OL-Oil; O-Other; P-Petroleum; S-Soil/Solid; ST-Storm Water; WW-Wastewater

*Sample No.: FOR OFFICE USE ONLY

ATTACHMENT 8

List of Abbreviations used in Attachments 1 through 3

°F	Degrees Fahrenheit
Avg	Average
BHP	Bottomhole Pressure
I/W	Injection/Withdrawal
PSI	Pounds square inch
PSIA	Pounds square inch atmospheric
PSIG	Pounds square inch gauge
Max	Maximum
Min.	Minutes
Min	Minimum
MSCF	Thousand standard cubic feet
MSCFD	Thousand standard cubic feet per day
MMSCFD	Million standard cubic feet per day
MMSCFM	Million standard cubic feet per minute
Prod/SI	Producing or Shut-In
SCFM	Standard cubic feet per minute

ATTACHMENT 4

Monitoring Device Data for I/W Well

Attachment 4 - Continuous Monitoring Device Data for I/W Well - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min.)	Number of Data Points	FE-004 - Injection Gas Flow Rate						Total Daily Injected Volume	FE-009 - Vented Gas Flow Rate						Total Daily Injected Volume	Net Cumulative Storage	TIT-002 (°F)			PIT-012 (PSIG)			PIT-018 (PSIG)		
						SCFM			MMSCFD				SCFM			MMSCFD					Temperature			Tubing Pressure			Annulus Pressure		
						Avg	Min	Max	Avg	Min	Max	MMSCF	Avg	Min	Max	Avg	Min	Max	MMSCF	MMSCF	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150113	01/13/15	14:23:01	23:59:56	09:36:55	6863	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.9	32.0	49.3	0.1	0.0	1.0	0.0	0.0	0.1
CAES150114	01/14/15	00:00:01	23:59:56	23:59:55	14498	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.9	28.1	78.4	0.0	0.0	1.0	0.0	0.0	0.2
CAES150115	01/15/15	00:00:01	23:59:56	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.9	41.1	53.2	0.0	0.0	0.1	0.0	0.0	0.0
CAES150116	01/16/15	00:00:01	09:52:26	09:52:25	7110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.8	43.7	46.2	0.0	0.0	0.0	0.0	0.0	0.0
	01/17/15								0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
	01/18/15								0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
CAES150119	01/19/15	10:59:06	23:59:56	13:00:50	9215	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.9	46.1	61.1	0.0	0.0	0.5	0.0	0.0	0.2
CAES150120	01/20/15	00:00:01	23:59:56	23:59:55	17277	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.8	39.5	73.3	0.0	0.0	0.8	0.0	0.0	0.5
CAES150121	01/21/15	00:00:01	23:59:56	23:59:55	16971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.5	38.7	76.4	0.0	0.0	0.6	0.0	0.0	0.5
CAES150122	01/22/15	00:00:00	23:59:55	23:59:55	17247	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.2	34.6	60.5	0.0	0.0	0.5	0.0	0.0	0.1
CAES150123	01/23/15	00:00:00	23:59:55	23:59:55	17241	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.9	34.4	64.8	0.0	0.0	892.8	0.0	0.0	7.4
CAES150124	01/24/15	00:00:00	07:28:10	07:28:10	5379	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.6	44.0	45.1	0.0	0.0	0.0	0.0	0.0	0.0
CAES150125	01/25/15								0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
CAES150126	01/26/15	08:28:45	23:59:55	15:31:10	11175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.3	42.1	81.0	0.0	0.0	0.0	130.4	0.0	2,980.7
CAES150127	01/27/15	00:00:00	16:59:00	16:59:00	12229	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	45.8	74.1	0.0	0.0	0.0	0.0	0.0	0.1
CAES150128	01/28/15								0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
CAES150129	01/29/15	07:46:05	23:59:55	16:13:50	11215	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.9	40.3	87.3	0.0	0.0	0.0	0.0	0.0	0.4
CAES150130	01/30/15	00:00:00	16:40:50	16:40:50	11837	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.5	37.9	95.6	0.0	0.0	0.0	0.0	0.0	0.3
CAES150131	01/31/15	15:36:35	23:59:55	08:23:20	6035	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.8	44.2	85.7	0.0	0.0	0.0	0.0	0.0	0.4
CAES150201	02/01/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.0	36.3	83.2	0.0	0.0	0.0	0.0	0.0	0.3
CAES150202	02/02/15	00:00:00	23:59:55	23:59:55	15827	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	1741.1	0.0	0.0	2.5	0.0	0.0	53.9	37.5	81.4	0.0	0.0	0.0	0.0	0.0	0.3
CAES150203	02/03/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.2	43.4	91.0	0.0	0.0	0.0	0.0	0.0	0.5
CAES150204	02/04/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	185.5	0.0	0.0	0.3	0.0	0.3	0.0	1287.3	0.0	0.0	1.9	0.0	0.0	54.2	42.3	76.0	0.0	0.0	0.0	0.0	0.0	0.2
CAES150205	02/05/15	00:00:00	23:59:55	23:59:55	17207	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.1	43.6	70.4	0.0	0.0	0.0	0.0	0.0	0.0
CAES150206	02/06/15	00:00:00	23:59:55	23:59:55	16349	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.7	48.6	67.6	0.0	0.0	0.0	0.0	0.0	0.2
CAES150207	02/07/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.2	55.2	77.6	0.0	0.0	0.4	0.0	0.0	0.4
CAES150208	02/08/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.8	55.8	64.8	0.0	0.0	0.0	0.0	0.0	0.2
CAES150209	02/09/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.6	45.2	91.2	0.0	0.0	0.0	0.0	0.0	0.8
CAES150210	02/10/15	00:00:00	23:59:55	23:59:55	17268	6.2	0.0	523.6	0.0	0.0	0.8	0.0	5.7	0.0	533.0	0.0	0.0	0.8	0.0	0.0	55.9	41.8	83.4	0.0	0.0	0.0	30.8	0.0	89.3
CAES150211	02/11/15	00:00:00	23:59:55	23:59:55	17280	25.3	0.0	1427.7	0.0	0.0	2.1	0.0	25.2	0.0	1427.2	0.0	0.0	2.1	0.0	0.0	59.3	38.4	96.4	0.9	0.0	5.9	84.0	83.1	84.9
CAES150212	02/12/15	00:00:00	23:59:55	23:59:55	17280	96.9	0.0	2018.5	0.1	0.0	2.9	0.1	95.4	0.0	2018.4	0.1	0.0	2.9	0.1	0.0	63.7	42.9	104.5	15.1	5.7	24.2	84.2	83.2	85.1
CAES150213	02/13/15	00:00:00	23:59:55	23:59:55	17280	492.7	0.0	5530.3	0.7	0.0	8.0	0.7	459.9	0.0	2967.9	0.7	0.0	4.3	0.7	0.0	64.6	42.9	106.5	725.1	24.1	1695.2	83.2	77.9	85.6
CAES150214	02/14/15	00:00:00	23:59:55	23:59:55	16079	673.6	0.0	3863.3	1.0	0.0	5.6	0.9	77.7	0.0	1763.0	0.1	0.0	2.5	0.1	0.8	67.8	42.4	111.3	1633.6	1620.0	1649.9	76.3	56.2	85.7
CAES150215	02/15/15	00:00:00	23:59:55	23:59:55	17280	1244.3	0.0	1704.8	1.8	0.0	2.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	73.5	56.4	91.4	1629.3	1621.3	1630.8	47.8	43.2	56.9
CAES150216	02/16/15	00:00:00	23:59:55	23:59:55	17280	1296.1	887.5	1491.5	1.9	1.3	2.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	75.9	61.6	91.4	1630.6	1629.4	1631.5	41.0	36.8	44.9
CAES150217	02/17/15	00:00:00	23:59:55	23:59:55	17280	359.3	0.0	1572.8	0.5	0.0	2.3	0.5	0.4	0.0	836.4	0.0	0.0	1.2	0.0	5.0	64.4	50.3	86.4	1622.1	1616.5	1632.1	47.4	35.6	58.4
CAES150218	02/18/15	00:00:00	23:59:55	23:59:55	17198	208.2	0.0	3092.2	0.3	0.0	4.5	0.3	112.1	0.0	2006.7	0.2	0.0	2.9	0.2	5.2	59.4	44.0	82.4	1616.7	1615.3	1625.9	62.6	56.3	66.6
CAES150219	02/19/15	00:00:00	23:59:55	23:59:55	17243	1113.6	0.0	1421.6	1.6	0.0	2.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	66.9	50.0	73.2	1628.1	1617.7	1631.6	46.7	38.9	60.5
CAES150220	02/20/15	00:00:00	23:59:55	23:59:55	16689	1029.5	0.0	3335.9	1.5	0.0	4.8	1.4	31.9	0.0	3441.5	0.0	0.0	5.0	0.0	8.2	71.1	57.9	102.8	1628.7	1620.3	1632.1	40.8	36.0	48.0
CAES150221	02/21/15	00:00:00	23:59:55	23:59:55	17280	1390.1	997.5	1497.4	2.0	1.4	2.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	70.0	63.6	80.7	1632.7	1631.4	1633.8	35.1	33.3	38.2
CAES150222	02/22/15	00:00:00	23:59:55	23:59:55	17280	1373.3	608.8	1513.0	2.0	0.9	2.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	70.9	61.0	85.2	1633.6	1632.2	1634.6	33.8	31.4	36.6
CAES150223	02/23/15	00:00:00	23:59:55	23:59:55	17280	1811.7	0.0	2601.8	2.6	0.0	3.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	69.8	59.3	85.8	1637.5	1634.2	1643.3	31.3	26.1	35.2
CAES150224	02/24/15	00:00:00	23:59:55	23:59:55	17280	2823.1	496.0	3705.8	4.1	0.7	5.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	70.2	54.7	87.7	1647.5	1639.7	1654.1	25.3	21.9	29.1
CAES150225	02/25/15	00:00:00	23:59:55	23:59:55	17280	2686.9	0.0	3984.1	3.9	0.0	5.7	3.9	3.6	0.0	1223.8	0.0	0.0	1.8	0.0	22.7	71.7	57.1	101.3	1650.2	1631.8	1657.0	25.6	20.2	33.8
CAES150226	02/26/15	00:00:00	23:59:55	23:59:55	17280	3209.1	0.0	3953.0	4.6	0.0	5.7	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.3	76.1	60.0	94.4	1656.5	1641.1	1661.3	27.0	20.6	34.8
CAES150227	02/27/15	00:00:00	23:59:55	23:59:55	17274	3821.1	0.0	4080.1	5.5	0.0	5.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.8	79.6	73.2	89.9	1664.1	1649.7	1667.4	32.3	29.0	36.5
CAES150228	02/28/15	00:00:00	23:59:55	23:59:55	17280	4062.9	0.0	4411.5	5.9	0.0	6.4	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.6	75.1	66.0	86.7	1669.5	1656.7	1672.5	30.9	28.7	33.4
CAES150301	03/01/15	00:00:00	23:59:55	23:59:55	17280	3716.9	561.9	4296.0	5.4	0.8	6.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	73.7	60.1	86.1	1670.1	1663.3	1675.0	30.4	27.7	34.2
CAES150302	03/02/15	00:00:00	23:59:55	23:59:55	17280	4043.3	2141.6	4320.5	5.8	3.1	6.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	76.0	65.8	90.1	1676.0	1669.0	1678.1	32.0	28.6	37.1
CAES150303	03/03/15	00:00:00	23:59:55	23:59:55	17280	2624.0	0.0	6104.3	3.8	0.0	8.8	3.8	221.8	0.0	3693.7	0.3	0.0	5.3	0.3	53.3	71.5	49.5	107.3	1668.8	1656.1	1678.5	33.6	25.6	43.1
CAES150304	03/04/15	00:00:00	23:59:55	23:59:55	17280	4127.3	0.0	4325.6	5.9	0.0	6.2	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.2	73.8	60.1	88.0	1678.9	1663.3	1682.5	30.2	25.5	34.5
CAES150305	03/05/15	00:00:00	23:59:55	23:59:55	17280	4162.7	0.0	4366.0	6.0	0.0	6.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.2	74.9	58.2	92.2	1684.0	1674.2	1687.0	31.3	25.4	37.1
CAES150306	03/06/15	00:00:00	23:59:55	23:59:55	17280	4135.9	1344.0	4395.3	6.0	1.9	6.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.2	78.0	61.8	94.9	1688.0	1677.9	1690.7	34.6	27.9	41.8
CAES150307	03/07/15	00:00:00	23:59:55	23:59:55	17280	4169.3	3891.4	4423.4	6.0	5.6	6.4	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.2	79.9	63.1	95.3	1691.9	1689.8	1694.2	38.9	31.4	46.5
CAES150308	03/08/15	00:00:00	23:59:55	23:59:55	16560	4130.1	3900.5	4356.6	5.9	5.6	6.3	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.9	80.8	61.8	98.5	1695.0	1693.2	1697.5	41.4	33.2	50.1
CAES150309	03/09/15	00:00:00	23:59:55	23:59:55	17280	4134.2	3890.0	4284.0	6.0	5.6	6.2	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.8	81.8	66.4	97.7	1698.3	1696.7	1700.8	44.4	36.5	53.5
CAES150310	03/10/15	00:00:00	23:59:55	23:59:55	17280	3927.0	0.0	5470.4	5.7	0.0	7.9	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.5	81.8	63.3	100.7	1700.6	1688.1	1711.9	47.0	39.2	54.6
CAES150311	03/11/15	00:00:00	23:59:55	23:59:55	17280	4379.3	0.0	5652.3	6.3	0.0	8.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.8	80.6	72.2	90.2	1705.9	1689.6	1711.8	47.1	43.3	50.7
CAES150312	03/12/15	00:00:00	23:59:55	23:59:55	17280	4462.6	3538.5	6853.1	6.4	5.1	9.9	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107.2	82.7	68.6	97.8	1709.4	1706.8	1716.8	46.6	38.0	56.7
CAES150313	03/13/15	00:00:00	23:59:55	23:59:55	17280	4698.2	0.0	5729.7	6.8	0.0	8.3	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114.0	87.0	73.2	105.3	1714.9	1697.8	1721.6	57.1	45.3	72.7
CAES150314	03/14/15	00:00:00	23:59:55	23:59:55	17069	4546.0	0.0	5668.0	6.5	0.0	8.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120.5	92.3	76.1	116.2	1718.9	1704.1	1725.5	68.0	52.6	83.8
CAES150315	03/15/15	00:00:00	23:59:55	23:59:55	17280	3788.5	0.0	4426.6	5.5	0.0	6.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	126.0	87.5	78.8	100.8	1715.5	1705.3	1720.5	68.8	62.4	75.8
CAES150316	03/16/15	00:00:00	23:59:55	23:59:55	17280	4688.9	0.0	7457.3	6.8	0.0	10.7	6.8	26.8	0.0	4335.1	0.0	0.0	6.2	0.0	132.7	83.0	73.5	106.8	1720.7	1704.7	1728.1	58.2	50.9	65.8
CAES150317	03/17/15	00:00:00	23:59:55	23:59:55	17280	5610.9	5394.4	5731.9	8.1	7.8	8.3	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140.8	86.1	74.1	98.1	1730.7	1727.9	1733.5	61.1	49.5	75.4
CAES150318	03/18/15	00:00:00	23:59:55	23:59:55	17280	4546.3	0.0	6799.9	6.5	0.0	9.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	147.3	84.3	68.5	99.9	1728.7	1715.2	1735.7	60.3	48.8	72.1
CAES150319	03/19/15	00:00:00	23:59:55	23:59:55	17280	3986.0	0.0	4571.9	5.7	0.0	6.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153.1	85.1	66.9	103.3	1726.8	1714.9	1729.4	61.1	48.8	73.4
CAES150320	03/20/15	00:00:00	23:59:55	23:59:55	17238	4279.0	0.0	4595.9	6.2	0.0	6.6	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	159.2	83.7	69.7	97.8	1729.7	1717.4	1732.2	60.7	50.6	70.2
CAES150321	03/21/15	00:00:00	23:59:55	23:59:55	17280	4395.3	2780.5	4516.0	6.3	4.0	6.5	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165.6	86.4	74.6	99.6	1732.9	1727.3	1734.9	62.8	52.8	74.3
CAES150322	03/22/15	00:00:00	23:59:55	23:59:55	17280	4443.5	2923.6	4586.8	6.4	4.2	6.6	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172.0	85.2	76.1	98.8	1735.6	1731.8	1737.2	64.2	55.9	72.4
CAES150323	03/23/15	00:00:00	23:59:55	23:59:55	17280	4460.5	2421.2	4588.1	6.4	3.5	6.6	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178.4	82.8	72.5	93.0	1737.6	1731.3	1739.3	60.0	53.4	66.7
CAES150324	03/24/15	00:00:00	23:59:55	23:59:55	17280	4407.3	0.0	4577.2	6.3	0.0	6.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	184.7	83.6	73.3	96.3	1739.7	1729.5	1741.4	58.6	50.9	67.4
CAES150325	03/25/15	00:00:00	23:59:55	23:59:55	17280	2993.8	0.0	6742.8	4.3	0.0	9.7	4.3	15.1	0.0	1256.7	0.0	0.0	1.8	0.0	189.0	85.5	71.2	117.6	1735.8	1723.6	1748.9	59.5	50.8	68.2
CAES150326	03/26/15	00:00:00	23:59:55	23:59:55	17280	6497.4	2505.2	7089.5	9.4	3.6	10.2	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198.4	91.4	74.0	109.1	1755.0	1738.7	1762.7	75.6	49.7	114.6

Attachment 4 - Continuous Monitoring Device Data for I/W Well - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min.)	Number of Data Points	FE-004 - Injection Gas Flow Rate						Total Daily Injected Volume	FE-009 - Vented Gas Flow Rate						Total Daily Injected Volume	Net Cumulative Storage	TIT-002 (°F)			PIT-012 (PSIG)			PIT-018 (PSIG)		
						SCFM			MMSCFD				SCFM			MMSCFD					Temperature			Tubing Pressure			Annulus Pressure		
						Avg	Min	Max	Avg	Min	Max	MMSCF	Avg	Min	Max	Avg	Min	Max	MMSCF	MMSCF	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150327	03/27/15	00:00:00	23:59:55	23:59:55	17280	6829.3	6490.8	7064.4	9.8	9.3	10.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	208.2	91.6	76.1	109.0	1764.9	1761.8	1768.8	98.3	63.3	139.8
CAES150328	03/28/15	00:00:00	23:59:55	23:59:55	17280	6505.7	0.0	7244.0	9.4	0.0	10.4	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	217.6	90.8	75.3	108.2	1768.9	1749.4	1774.1	101.3	68.9	144.3
CAES150329	03/29/15	00:00:00	23:59:55	23:59:55	17280	5641.4	5401.8	5864.7	8.1	7.8	8.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	225.7	91.6	73.7	110.0	1766.0	1764.1	1768.4	102.6	69.8	140.3
CAES150330	03/30/15	00:00:00	23:59:55	23:59:55	17280	6233.9	0.0	7073.2	9.0	0.0	10.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	234.7	90.7	73.8	109.9	1772.4	1756.0	1783.5	107.7	71.9	151.9
CAES150331	03/31/15	00:00:00	23:59:55	23:59:55	17280	5880.4	5654.6	6100.2	8.5	8.1	8.8	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	243.1	88.3	77.4	100.5	1773.7	1772.4	1775.4	97.7	82.3	115.1
CAES150401	04/01/15	00:00:00	23:59:55	23:59:55	17280	1774.2	0.0	6148.2	2.6	0.0	8.9	2.6	0.4	0.0	728.9	0.0	0.0	1.0	0.0	245.7	70.3	51.5	89.4	1758.7	1748.0	1775.3	77.3	58.3	88.6
CAES150402	04/02/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	245.7	63.6	48.3	88.3	1745.1	1742.9	1748.2	92.1	88.1	95.1
CAES150403	04/03/15	00:00:00	23:59:55	23:59:55	16140	4377.5	0.0	7212.4	6.3	0.0	10.4	5.9	277.4	0.0	6807.1	0.4	0.0	9.8	0.4	251.2	76.7	42.8	106.1	1759.8	1739.6	1776.4	94.7	77.4	111.5
CAES150404	04/04/15	00:00:00	23:59:55	23:59:55	17280	6775.3	2581.7	7109.5	9.8	3.7	10.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	261.0	85.5	68.8	100.9	1779.0	1768.4	1783.9	72.6	53.5	92.6
CAES150405	04/05/15	00:00:00	23:59:55	23:59:55	17280	6878.7	0.0	7173.7	9.9	0.0	10.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	270.9	81.2	70.6	94.1	1785.0	1764.0	1787.6	62.9	54.6	76.2
CAES150406	04/06/15	00:00:00	23:59:55	23:59:55	17280	6880.7	6369.8	7130.9	9.9	9.2	10.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	280.8	82.6	67.5	99.4	1789.0	1785.1	1792.9	56.8	42.1	73.8
CAES150407	04/07/15	00:00:00	23:59:55	23:59:55	17280	6840.3	0.0	8475.0	9.9	0.0	12.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	290.6	81.2	71.5	92.7	1793.5	1770.7	1798.8	60.3	50.8	66.7
CAES150408	04/08/15	00:00:00	23:59:55	23:59:55	17280	6908.9	6540.1	7184.6	9.9	9.4	10.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	300.6	78.7	68.8	89.5	1796.6	1794.4	1799.3	49.3	40.7	59.2
CAES150409	04/09/15	00:00:00	23:59:55	23:59:55	17280	6845.3	0.0	7095.7	9.9	0.0	10.2	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	310.4	81.2	67.4	94.1	1800.3	1779.5	1809.0	52.5	39.0	68.5
CAES150410	04/10/15	00:00:00	23:59:55	23:59:55	17280	5638.1	5468.6	5823.5	8.1	7.9	8.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	318.5	85.1	69.8	101.4	1797.4	1795.6	1799.2	64.7	49.1	84.4
CAES150411	04/11/15	00:00:00	23:59:55	23:59:55	17280	5612.5	0.0	5802.0	8.1	0.0	8.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	326.6	87.5	72.4	102.2	1799.8	1784.1	1807.6	73.6	54.8	95.1
CAES150412	04/12/15	00:00:00	23:59:55	23:59:55	17280	5225.5	0.0	5823.0	7.5	0.0	8.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	334.2	90.3	74.6	105.9	1801.1	1784.8	1804.7	85.8	63.0	113.9
CAES150413	04/13/15	00:00:00	23:59:55	23:59:55	17280	5486.8	0.0	5786.8	7.9	0.0	8.3	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	342.1	88.8	74.9	106.0	1804.7	1787.6	1807.4	91.6	71.1	112.2
CAES150414	04/14/15	00:00:00	23:59:55	23:59:55	17280	6363.3	2546.7	7169.8	9.2	3.7	10.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	351.2	84.4	71.5	95.2	1811.6	1793.0	1817.9	78.1	63.6	92.1
CAES150415	04/15/15	00:00:00	23:59:55	23:59:55	17280	6937.0	6701.2	7150.9	10.0	9.6	10.3	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	361.2	87.9	75.4	102.2	1819.6	1817.1	1823.4	81.5	57.8	114.8
CAES150416	04/16/15	00:00:00	23:59:55	23:59:55	17280	3794.1	0.0	7157.5	5.5	0.0	10.3	5.5	0.4	0.0	528.6	0.0	0.0	0.8	0.0	366.7	84.0	60.8	108.3	1812.3	1796.4	1823.6	82.0	62.3	97.8
CAES150417	04/17/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	366.7	72.7	46.1	109.6	1792.4	1789.5	1796.5	93.9	90.8	96.9
CAES150418	04/18/15	00:00:00	23:59:55	23:59:55	14138	3091.6	0.0	5500.9	4.5	0.0	7.9	4.5	9.4	0.0	1348.2	0.0	0.0	1.9	0.0	371.1	86.1	51.0	109.4	1798.0	1788.9	1809.6	97.4	82.3	117.1
CAES150419	04/19/15	00:00:00	23:59:55	23:59:55	17280	5472.1	5200.0	5681.2	7.9	7.5	8.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	379.0	92.2	76.7	110.6	1812.7	1809.4	1816.2	102.5	75.2	138.7
CAES150420	04/20/15	00:00:00	23:59:55	23:59:55	17280	5851.2	2271.1	6846.8	8.4	3.3	9.9	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	387.4	90.4	79.5	105.6	1819.3	1806.9	1826.4	105.3	82.0	135.5
CAES150421	04/21/15	00:00:00	23:59:55	23:59:55	17280	6316.6	0.0	6959.0	9.1	0.0	10.0	9.1	16.1	0.0	1544.7	0.0	0.0	2.2	0.0	396.5	89.0	78.9	113.4	1826.1	1803.1	1834.3	102.4	84.9	125.0
CAES150422	04/22/15	00:00:00	23:59:55	23:59:55	17280	6400.5	2415.9	6945.1	9.2	3.5	10.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	405.7	89.6	76.3	107.8	1830.2	1817.7	1834.7	94.2	71.3	129.3
CAES150423	04/23/15	00:00:00	23:59:55	23:59:55	17280	6733.5	6391.2	7050.5	9.7	9.2	10.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	415.4	91.5	77.2	109.3	1836.4	1833.9	1839.8	113.8	79.4	153.5
CAES150424	04/24/15	00:00:00	23:59:55	23:59:55	16748	4618.6	0.0	6908.6	6.7	0.0	9.9	6.4	15.4	0.0	2887.7	0.0	0.0	4.2	0.0	421.8	85.6	53.7	117.7	1830.8	1812.9	1840.0	115.2	104.8	127.0
CAES150425	04/25/15	00:00:00	23:59:55	23:59:55	17280	6725.7	5362.8	6953.2	9.7	7.7	10.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	431.5	90.0	82.1	99.8	1840.4	1835.4	1844.1	105.4	88.8	129.3
CAES150426	04/26/15	00:00:00	23:59:55	23:59:55	17280	6740.2	6403.9	6989.2	9.7	9.2	10.1	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.2	92.5	79.0	106.8	1845.5	1843.3	1849.0	117.6	83.2	164.3
CAES150427	04/27/15	00:00:00	23:59:55	23:59:55	17280	6627.6	6287.7	6931.0	9.5	9.1	10.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	450.8	97.3	82.9	115.3	1850.1	1847.8	1854.1	154.9	104.4	223.6
CAES150428	04/28/15	00:00:00	23:59:55	23:59:55	17280	6641.8	6254.6	6928.9	9.6	9.0	10.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	460.3	97.3	82.5	115.0	1854.6	1852.6	1857.5	185.2	129.5	252.8
CAES150429	04/29/15	00:00:00	23:59:55	23:59:55	17280	6650.4	6330.7	6957.3	9.6	9.1	10.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	469.9	96.6	79.7	113.5	1857.9	1855.7	1860.9	178.9	118.9	252.3
CAES150430	04/30/15	00:00:00	23:59:55	23:59:55	17280	6569.0	6201.4	6894.2	9.5	8.9	9.9	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.4	99.5	81.4	117.2	1861.4	1858.9	1864.8	204.2	127.8	293.3
CAES150501	05/01/15	00:00:00	23:59:55	23:59:55	17280	3186.2	0.0	6818.5	4.6	0.0	9.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	483.9	93.4	64.8	118.7	1852.4	1838.3	1864.8	181.1	156.5	255.7
CAES150502	05/02/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	483.9	75.2	52.8	111.1	1834.8	1832.0	1838.5	145.5	137.9	156.8
CAES150503	05/03/15	00:00:00	23:59:55	23:59:55	17280	3287.9	0.0	6807.4	4.7	0.0	9.8	4.7	0.2	0.0	859.9	0.0	0.0	1.2	0.0	488.7	78.4	50.2	134.9	1842.1	1830.1	1856.8	140.8	124.2	164.0
CAES150504	05/04/15	00:00:00	23:59:55	23:59:55	17280	3246.2	0.0	6892.2	4.7	0.0	9.9	4.7	294.0	0.0	6375.9	0.4	0.0	9.2	0.4	492.9	80.4	50.2	100.0	1846.9	1829.5	1859.4	112.6	94.3	125.0
CAES150505	05/05/15	00:00:00	23:59:55	23:59:55	17280	1343.3	0.0	6818.3	1.9	0.0	9.8	1.9	1954.8	0.0	29883.6	2.8	0.0	43.0	2.8	492.0	73.7	43.4	117.2	1821.2	1474.1	1851.3	149.6	120.9	234.6
CAES150506	05/06/15	00:00:00	23:59:55	23:59:55	17280	3763.8	0.0	8130.2	5.4	0.0	11.7	5.4	6048.9	0.0	16352.2	8.7	0.0	23.5	8.7	488.8	85.7	69.6	100.2	1789.9	1689.1	1853.7	181.9	78.8	301.6
CAES150507	05/07/15	00:00:00	23:59:55	23:59:55	17280	3542.8	0.0	8735.0	5.1	0.0	12.6	5.1	6450.0	0.0	16966.9	9.3	0.0	24.4	9.3	484.6	87.7	76.0	97.7	1777.8	1665.9	1849.1	219.7	119.5	344.8
CAES150508	05/08/15	00:00:00	23:59:55	23:59:55	17280	3303.9	0.0	6883.7	4.8	0.0	9.9	4.8	4335.2	0.0	11205.6	6.2	0.0	16.1	8.9	480.4	86.4	68.9	100.8	1775.3	1668.1	1843.8	228.4	103.4	352.7
CAES150509	05/09/15	00:00:00	23:59:55	23:59:55	17280	2222.1	0.0	6907.6	3.2	0.0	9.9	3.2	3.9	0.0	6345.7	0.0	0.0	9.1	0.0	483.6	80.4	55.8	99.4	1826.5	1819.9	1840.1	138.8	113.0	200.7
CAES150510	05/10/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	380.2	0.0	0.0	0.5	0.0	483.6	69.8	45.8	105.9	1819.1	1818.2	1820.2	138.0	135.4	140.7
CAES150511	05/11/15	00:00:00	23:59:55	23:59:55	17242	1408.2	0.0	6690.2	2.0	0.0	9.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	485.6	73.6	48.3	98.4	1822.2	1812.7	1839.8	128.0	92.4	135.9
CAES150512	05/12/15	00:00:00	23:59:55	23:59:55	17256	3808.3	0.0	8604.2	5.5	0.0	12.4	5.5	1931.6	0.0	21727.1	2.8	0.0	31.3	2.8	488.3	84.3	66.5	96.4	1820.7	1626.3	1845.4	109.9	77.6	226.8
CAES150513	05/13/15	00:00:00	23:59:55	23:59:55	17280	4224.8	0.0	7784.7	6.1	0.0	11.2	6.1	4042.1	0.0	20766.0	5.8	0.0	29.9	5.8	488.6	85.0	75.6	96.0	1796.7	1640.6	1844.7	149.8	79.0	335.0
CAES150514	05/14/15	00:00:00	23:59:55	23:59:55	17268	4681.6	0.0	7143.9	6.7	0.0	10.3	6.7	5847.4	0.0	31499.4	8.4	0.0	45.4	8.4	486.9	85.6	74.8	97.2	1772.9	1478.1	1844.9	165.1	85.1	399.7
CAES150515	05/15/15	00:00:00	23:59:55	23:59:55	17280	3150.6	0.0	7177.8	4.5	0.0	10.3	4.5	6349.7	0.0	31476.4	9.1	0.0	45.3	9.1	482.3	80.1	51.9	99.4	1757.0	1465.5	1841.8	190.4	90.9	426.5
CAES150516	05/16/15	00:00:00	23:59:55	23:59:55	12844	287.3	0.0	7509.3	0.4	0.0	10.8	0.3	292.1	0.0	8061.7	0.4	0.0	11.6	0.3	482.3	68.6	47.7	112.5	1810.6	1808.5	1811.9	172.5	151.5	217.7
CAES150517	05/17/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	482.3	66.5	49.3	94.4	1811.9	1811.5	1812.4	144.0	138.5	151.8
CAES150518	05/18/15	00:00:00	23:59:55	23:59:55	17280	213.5	0.0	7641.9	0.3	0.0	11.0	0.3	306.4	0.0	8845.3	0.4	0.0	12.7	0.4	482.2	68.9	51.3	97.5	1811.8	1807.7	1813.9	135.7	133.0	138.8
CAES150519	05/19/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	482.2	69.7	46.9	103.3	1811.4	1810.8	1811.9	131.5	129.9	133.4
CAES150520	05/20/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	482.2	68.8	48.1	103.0	1811.0	1810.4	1811.4	129.0	127.8	130.5
CAES150521	05/21/15	00:00:00	23:59:55	23:59:55	17280	2835.9	0.0	7867.9	4.1	0.0	11.3	4.1	22.8	0.0	5964.1	0.0	0.0	8.6	0.0	486.2	78.3	50.7	99.8	1815.0	1795.3	1832.8	109.8	87.3	128.3
CAES150522	05/22/15	00:00:00	23:59:55	23:59:55	17280	5438.9	0.0	7799.6	7.8	0.0	11.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	494.0	88.9	79.7	102.0	1828.7	1809.8	1839.5	85.1	70.7	100.5
CAES150523	05/23/15	00:00:00	23:59:55	23:59:55	17280	7479.9	0.0	7787.4	10.8	0.0	11.2	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	504.8	90.9	78.0	103.5	1843.8	1815.5	1849.8	103.7	69.7	155.3
CAES150524	05/24/15	00:00:00	23:59:55	23:59:55	17280	7667.4	7415.6	7924.2	11.0	10.7	11.4	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	515.9	93.9	80.0	111.6	1853.8	1849.1	1858.8	147.0	86.1	234.5
CAES150525	05/25/15	00:00:00	23:59:55	23:59:55	17280	7222.9	0.0	8007.1	10.4	0.0	11.5	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	526.3	90.8	78.9	106.8	1857.8	1828.0	1864.2	137.9	90.9	200.3
CAES150526	05/26/15	00:00:00	23:59:55	23:59:55	17280	5472.4	0.0	8657.2	7.9	0.0	12.5	7.9	190.8	0.0	9082.2	0.3	0.0	13.1	0.3	533.9	89.6	76.7	103.5	1853.3	1833.0	1864.4	111.8	93.2	135.9
CAES150527	05/27/15	00:00:00	23:59:55	23:59:55	17042	5842.5	0.0	8195.1	8.4	0.0	11.8	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	542.2	91.1	80.5	105.2	1857.7	1833.7	1868.4	100.6	82.1	118.9
CAES150528	05/28/15	00:00:00	23:59:55	23:59:55	17280	5879.4	0.0	8229.8	8.5	0.0	11.9	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	550.6	92.7	78.8	107.2	1861.9	1838.9	1872.7	102.9	75.7	136.7
CAES150529	05/29/15	00:00:00	23:59:55	23:59:55	17280	5835.3	0.0	8216.0	8.4	0.0	11.8	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	559.0	95.2	78.7	113.3	1865.6	1842.3	1876.6	111.8	80.1	149.4
CAES150530	05/30/15	00:00:00	23:59:55	23:59:55	16436	691.7	0.0	8188.0	1.0	0.0	11.8	0.9	6341.4	0.0	29582.5	9.1	0.0	42.6	8.7	551.3	79.0	50.3	104.6	1788.0	1522.6	1876.9	154.8	121.6	254.2
CAES150531	05/31/15	00:00:00	23:59:55	23:59:55	17280	82.8	0.0	458.4	0.1	0.0	0.7	0.1	20870.4	19396.9	22035.3	30.1	27.9	31.7	30.1	521.4	91.7	87.7	94.1	1598.0	1572.7	1627.8	379.5	254.2	479.1
CAES150601	06/01/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18377.2	0.0	22584.7	26.5	0.0	32.5	26.5	494.9	94.3	63.5	97.9	1589.3	1545.5	1774.9	546.1	479.0	627.2
CAES150602	06/02/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2033.6	0.0	5170.9	2.9	0.0	7.4	2.9	492.0	73.9	52.2	91.6	1779.2	1772.9	1794.9	361.6	309.2	520.9
CAES150603	06/03/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6760.2	0.0	15716.3	9.7	0.0	22.6	9.7	482.2	84.7	60.7	103.4	1732.8	1644.2	1797.5	393.2	285.5	608.7
CAES150604	06/04/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1636.6	0.0	14653.3	2.4	0.0	21.1	2.4	479.9	80.3	50.9	107.2	1771.8	1651.8	1795.7	392.4	262.1	631.3
CAES150605	06/05/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	61.7	59.1	68.7	1791.7	1790.8	1792.6	224.7	198.6	262.2
CAES150606	06/06/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	(1)	(1)	(1)	1794.4	1793.3	1796.6	183.6	171.5	199.0
CAES150607	06/07/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	(1)	(1)	(1)	1795.0	1794.5	1795.4	164.0	157.9	171.8

Attachment 4 - Continuous Monitoring Device Data for I/W Well - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min.)	Number of Data Points	FE-004 - Injection Gas Flow Rate						Total Daily Injected Volume	FE-009 - Vented Gas Flow Rate						Total Daily Injected Volume	Net Cumulative Storage	TIT-002 (°F)			PIT-012 (PSIG)			PIT-018 (PSIG)		
						SCFM			MMSCFD				SCFM			MMSCFD					Temperature			Tubing Pressure			Annulus Pressure		
						Avg	Min	Max	Avg	Min	Max	MMSCF	Avg	Min	Max	Avg	Min	Max	MMSCF	MMSCF	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150608	06/08/15	00:00:00	23:59:55	23:59:55	17266	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	(1)	(1)	(1)	1795.3	1794.8	1795.8	153.1	149.3	158.3
CAES150609	06/09/15	00:00:00	23:59:55	23:59:55	9408	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	(1)	(1)	(1)	1795.6	1795.2	1795.9	147.3	145.3	149.8
CAES150610	06/10/15	00:00:00	23:59:55	23:59:55	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
CAES150611	06/11/15	00:00:00	23:59:55	23:59:55	643	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	82.6	74.9	94.1	1799.3	1799.3	1799.3	135.6	134.7	136.3
CAES150612	06/12/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	83.8	63.6	102.8	1799.0	1798.3	1799.3	133.1	132.1	135.2
CAES150613	06/13/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	79.2	65.1	98.4	1799.2	1798.3	1799.3	130.5	128.9	132.7
CAES150614	06/14/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	72.8	57.2	89.7	1799.3	1798.3	1800.3	130.5	128.9	132.7
CAES150615	06/15/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	72.3	54.9	90.1	1799.3	1798.3	1800.3	125.9	124.6	127.0
CAES150616	06/16/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	76.5	56.9	97.7	1799.1	1798.3	1799.3	124.6	123.4	125.9
CAES150617	06/17/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	80.0	60.6	100.5	1799.0	1797.3	1799.3	123.8	122.5	124.9
CAES150618	06/18/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	77.7	59.7	97.2	1799.1	1798.3	1800.3	123.0	121.5	124.4
CAES150619	06/19/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	77.2	56.5	98.8	1799.0	1797.3	1800.3	121.8	120.4	122.9
CAES150620	06/20/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	80.0	59.3	102.2	1798.7	1797.3	1799.3	121.2	120.0	122.5
CAES150621	06/21/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	73.6	59.5	88.2	1799.0	1798.3	1799.3	120.2	119.3	121.5
CAES150622	06/22/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	73.3	54.1	93.2	1798.8	1797.3	1799.3	119.2	118.1	120.5
CAES150623	06/23/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	77.3	58.6	96.4	1798.7	1797.3	1799.3	119.0	117.6	120.4
CAES150624	06/24/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	80.1	60.9	99.7	1798.4	1797.3	1799.3	118.7	117.4	119.9
CAES150625	06/25/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	84.5	65.6	106.1	1798.1	1796.3	1799.3	118.7	117.5	119.9
CAES150626	06/26/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	82.3	65.2	104.0	1797.9	1796.3	1799.3	118.5	117.5	119.8
CAES150627	06/27/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	73.4	61.3	88.1	1798.1	1797.3	1799.3	117.2	116.4	118.2
CAES150628	06/28/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	74.4	63.7	89.8	1798.0	1797.3	1799.3	117.0	115.9	118.1
CAES150629	06/29/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	77.1	59.0	96.3	1797.8	1797.3	1798.3	116.6	115.3	118.1
CAES150630	06/30/15	00:00:00	23:59:55	23:59:55	2880	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.9	87.3	66.5	111.2	1797.4	1796.3	1798.3	117.3	116.1	118.9
February Monthly Data (Operating Conditions Only):						1863.6	0.0	4411.5	2.7	0.0	6.4	2.6	15.1	0.0	3441.5	0.0	0.0	5.0	0.0	38.6	71.4	42.4	111.3	1638.8	1615.3	1672.5	38.8	20.2	85.7
March Monthly Data (Operating Conditions Only)						4596.0	0.0	7457.3	6.6	0.0	10.7	6.6	8.5	0.0	4335.1	0.0	0.0	6.2	0.0	204.5	83.6	49.5	117.6	1720.5	1656.1	1783.5	59.4	25.4	151.9
April Monthly Data (Operating Conditions Only)						5480.1	0.0	8475.0	7.9	0.0	12.2	7.3	11.8	0.0	6807.1	0.0	0.0	9.8	0.0	236.2	85.9	42.8	117.7	1810.4	1739.6	1864.8	98.2	39.0	293.3
May Monthly Data (Operating Conditions Only)						3120.3	0.0	8735.0	4.5	0.0	12.6	4.5	2171.6	0.0	31499.4	3.1	0.0	45.4	3.1	42.0	82.2	43.4	134.9	1814.2	1465.5	1876.9	149.4	69.7	479.1
June Monthly Data (Operating Conditions Only)						0.0	0.0	0.0	0.0	0.0	0.0	0.0	960.2	0.0	22584.7	1.4	0.0	32.5	1.4	-41.5	78.7	50.9	111.2	1786.3	1545.5	1800.3	174.6	115.3	631.3
2015 Q1 Data (Operating Conditions Only):						3724.4	0.0	7457.3	5.4	0.0	10.7	5.3	10.6	0.0	4335.1	0.0	0.0	6.2	0.0	243.1	79.7	42.4	117.6	1694.5	1615.3	1783.5	52.8	20.2	151.9
2015 Q2 Data (Operating Conditions Only):						2870.3	0.0	8735.0	4.1	0.0	12.6	0.3	1058.1	0.0	31499.4	1.5	0.0	45.4	0.1	236.7	82.6	42.8	134.9	1804.4	1465.5	1876.9	139.9	39.0	631.3

Notes: Vent gas flow (FE-009) for May 5 through 12 is estimated based on the orifice upstream static pressure when the differential pressure transmitter was overrange (original span was 0 - 100 INWC). On 5/12, the orifice diameter was increased from ~8" to 9" and the transmitter (FIT-009) re-spanned to 250 INWC. The orifice diameter was increased to 11" on 5/14.

1) Data are missing from 6/06/15 to 6/10/15 due to the transition to a new Data Acquisition System.

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/08/15	01:00:00	56.4	0.0	0.0	0.0	0.0	0.0
02/08/15	02:00:00	57.5	0.0	0.0	0.0	0.0	0.0
02/08/15	03:00:00	57.8	0.0	0.0	0.0	0.0	0.0
02/08/15	04:00:00	57.3	0.0	0.0	0.0	0.0	0.0
02/08/15	05:00:00	57.3	0.0	0.0	0.0	0.0	0.0
02/08/15	06:00:00	58.6	0.0	0.0	0.0	0.0	0.0
02/08/15	07:00:00	58.9	0.0	0.0	0.0	0.0	0.0
02/08/15	08:00:00	59.1	0.0	0.0	0.0	0.0	0.0
02/08/15	09:00:00	57.9	0.0	0.0	0.0	0.0	0.0
02/08/15	10:00:00	58.2	0.0	0.0	0.0	0.0	0.0
02/08/15	11:00:00	61.3	0.0	0.0	0.0	0.0	0.0
02/08/15	12:00:00	62.6	0.0	0.0	0.0	0.0	0.0
02/08/15	13:00:00	61.3	0.0	0.0	0.0	0.0	0.0
02/08/15	14:00:00	61.1	0.0	0.0	0.0	0.0	0.0
02/08/15	15:00:00	62.9	0.0	0.0	0.0	0.0	0.0
02/08/15	16:00:00	62.1	0.0	0.0	0.0	0.0	0.0
02/08/15	17:00:00	63.7	0.0	0.0	0.0	0.0	0.0
02/08/15	18:00:00	63.8	0.0	0.0	0.0	0.0	0.0
02/08/15	19:00:00	61.7	0.0	0.0	0.0	0.0	0.0
02/08/15	20:00:00	61.3	0.0	0.0	0.0	0.0	0.0
02/08/15	21:00:00	59.8	0.0	0.0	0.0	0.0	0.0
02/08/15	22:00:00	58.5	0.0	0.0	0.0	0.0	0.0
02/08/15	23:00:00	57.8	0.0	0.0	0.0	0.0	0.0
02/09/15	00:00:00	58.4	0.0	0.0	0.0	0.0	0.0
02/09/15	01:00:00	59.1	0.0	0.0	0.0	0.0	0.0
02/09/15	02:00:00	57.1	0.0	0.0	0.0	0.0	0.0
02/09/15	03:00:00	55.6	0.0	0.0	0.0	0.0	0.0
02/09/15	04:00:00	56.5	0.0	0.0	0.0	0.0	0.0
02/09/15	05:00:00	57.2	0.0	0.0	0.0	0.0	0.0
02/09/15	06:00:00	56.9	0.0	0.0	0.0	0.0	0.0
02/09/15	07:00:00	56.0	0.0	0.0	0.0	0.0	0.0
02/09/15	08:00:00	55.6	0.0	0.0	0.0	0.0	0.0
02/09/15	09:00:00	60.8	0.0	0.0	0.0	0.0	0.0
02/09/15	10:00:00	71.9	0.0	0.0	0.0	0.0	0.0
02/09/15	11:00:00	81.5	0.0	0.0	0.0	0.0	0.0
02/09/15	12:00:00	87.4	0.0	0.1	0.0	0.0	0.0
02/09/15	13:00:00	90.0	0.0	0.2	0.0	0.0	0.0
02/09/15	14:00:00	87.5	0.0	0.3	0.0	0.0	0.0
02/09/15	15:00:00	89.9	0.0	0.4	0.0	0.0	0.0
02/09/15	16:00:00	86.6	0.0	0.2	0.0	0.0	0.0
02/09/15	17:00:00	80.5	0.0	0.1	0.0	0.0	0.0
02/09/15	18:00:00	68.7	0.0	0.0	0.0	0.0	0.0
02/09/15	19:00:00	60.4	0.0	0.0	0.0	0.0	0.0
02/09/15	20:00:00	56.3	0.0	0.0	0.0	0.0	0.0
02/09/15	21:00:00	53.4	0.0	0.0	0.0	0.0	0.0
02/09/15	22:00:00	50.6	0.0	0.0	0.0	0.0	0.0
02/09/15	23:00:00	48.3	0.0	0.0	0.0	0.0	0.0
02/10/15	00:00:00	45.9	0.0	0.0	0.0	0.0	0.0
02/10/15	01:00:00	45.2	0.0	0.0	0.0	0.0	0.0
02/10/15	02:00:00	45.7	0.0	0.0	0.0	0.0	0.0
02/10/15	03:00:00	45.7	0.0	0.0	0.0	0.0	0.0
02/10/15	04:00:00	45.1	0.0	0.0	0.0	0.0	0.0
02/10/15	05:00:00	44.1	0.0	0.0	0.0	0.0	0.0
02/10/15	06:00:00	42.9	0.0	0.0	0.0	0.0	0.0
02/10/15	07:00:00	42.3	0.0	0.0	0.0	0.0	0.0
02/10/15	08:00:00	42.4	0.0	0.0	0.0	0.0	0.0
02/10/15	09:00:00	50.5	0.0	0.0	0.0	0.0	0.0
02/10/15	10:00:00	62.4	0.0	0.0	0.0	0.0	0.0
02/10/15	11:00:00	71.3	0.0	0.0	0.0	0.0	0.0
02/10/15	12:00:00	75.4	0.0	0.0	0.0	0.0	0.0
02/10/15	13:00:00	77.4	0.0	0.0	0.0	0.0	0.0
02/10/15	14:00:00	80.7	0.0	0.0	0.0	0.0	0.0
02/10/15	15:00:00	77.9	0.0	0.0	0.0	0.0	0.0
02/10/15	16:00:00	70.0	0.0	69.4	0.0	0.0	0.0
02/10/15	17:00:00	67.5	0.0	84.9	0.0	0.0	0.0
02/10/15	18:00:00	62.3	0.0	84.8	0.2	0.2	0.0
02/10/15	19:00:00	56.0	0.0	84.7	0.0	0.0	0.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
02/10/15	20:00:00	51.6	0.0	84.6	0.0	0.0	0.0
02/10/15	21:00:00	48.9	0.0	84.5	0.0	0.0	0.0
02/10/15	22:00:00	46.4	0.0	84.3	0.0	0.0	0.0
02/10/15	23:00:00	44.8	0.0	84.2	0.0	0.0	0.0
02/11/15	00:00:00	44.3	0.0	84.1	0.0	0.0	0.0
02/11/15	01:00:00	42.9	0.0	84.0	0.0	0.0	0.0
02/11/15	02:00:00	42.1	0.0	83.9	0.0	0.0	0.0
02/11/15	03:00:00	41.6	0.0	83.8	0.0	0.0	0.0
02/11/15	04:00:00	41.3	0.0	83.7	0.0	0.0	0.0
02/11/15	05:00:00	40.4	0.0	83.6	0.0	0.0	0.0
02/11/15	06:00:00	39.3	0.0	83.5	0.0	0.0	0.0
02/11/15	07:00:00	38.8	0.0	83.4	0.0	0.0	0.0
02/11/15	08:00:00	39.4	0.0	83.4	0.0	0.0	0.0
02/11/15	09:00:00	48.4	0.0	83.5	0.0	0.0	0.0
02/11/15	10:00:00	62.8	0.0	83.7	0.0	0.0	0.0
02/11/15	11:00:00	78.4	0.0	83.7	0.4	0.4	0.0
02/11/15	12:00:00	87.2	0.0	84.0	0.4	0.4	0.0
02/11/15	13:00:00	89.7	0.0	84.2	0.1	0.1	0.0
02/11/15	14:00:00	89.9	0.0	84.5	0.0	0.0	0.0
02/11/15	15:00:00	91.5	0.0	84.6	0.0	0.0	0.0
02/11/15	16:00:00	85.3	0.7	84.6	0.0	0.0	0.0
02/11/15	17:00:00	75.4	1.8	84.5	0.0	0.0	0.0
02/11/15	18:00:00	66.3	2.4	84.5	0.0	0.0	0.0
02/11/15	19:00:00	60.4	2.9	84.5	0.0	0.0	0.0
02/11/15	20:00:00	56.6	3.4	84.4	0.0	0.0	0.0
02/11/15	21:00:00	54.0	4.0	84.4	0.0	0.0	0.0
02/11/15	22:00:00	51.9	4.5	84.3	0.0	0.0	0.0
02/11/15	23:00:00	49.9	5.0	84.2	0.0	0.0	0.0
02/12/15	00:00:00	48.8	5.5	84.1	0.0	0.0	0.0
02/12/15	01:00:00	48.0	6.1	84.0	0.0	0.0	0.0
02/12/15	02:00:00	47.8	6.6	83.9	0.0	0.0	0.0
02/12/15	03:00:00	46.8	7.2	83.8	0.0	0.0	0.0
02/12/15	04:00:00	45.5	7.7	83.8	0.0	0.0	0.0
02/12/15	05:00:00	44.6	8.3	83.7	0.0	0.0	0.0
02/12/15	06:00:00	43.9	8.9	83.6	0.0	0.0	0.0
02/12/15	07:00:00	43.3	9.5	83.5	0.0	0.0	0.0
02/12/15	08:00:00	43.4	10.3	83.5	0.0	0.0	0.0
02/12/15	09:00:00	52.3	11.2	83.6	0.0	0.0	0.0
02/12/15	10:00:00	66.0	12.2	83.8	0.0	0.0	0.0
02/12/15	11:00:00	79.2	13.6	83.8	0.0	0.0	0.0
02/12/15	12:00:00	89.5	14.7	84.1	0.0	0.0	0.0
02/12/15	13:00:00	94.7	15.9	84.3	0.0	0.0	0.0
02/12/15	14:00:00	97.6	17.1	84.6	0.0	0.0	0.0
02/12/15	15:00:00	95.5	18.2	84.8	0.0	0.0	0.0
02/12/15	16:00:00	95.8	19.1	84.8	0.9	0.9	0.0
02/12/15	17:00:00	88.1	20.1	84.7	2.4	2.4	0.0
02/12/15	18:00:00	75.9	20.5	84.7	0.0	0.0	0.0
02/12/15	19:00:00	65.5	21.1	84.7	0.0	0.0	0.0
02/12/15	20:00:00	59.3	21.6	84.6	0.0	0.0	0.0
02/12/15	21:00:00	54.8	22.2	84.5	0.0	0.0	0.0
02/12/15	22:00:00	52.0	22.8	84.4	0.0	0.0	0.0
02/12/15	23:00:00	49.9	23.3	84.3	0.0	0.0	0.0
02/13/15	00:00:00	48.4	23.9	84.2	0.0	0.0	0.0
02/13/15	01:00:00	47.2	24.5	84.0	0.0	0.0	0.0
02/13/15	02:00:00	46.2	25.0	83.9	0.0	0.0	0.0
02/13/15	03:00:00	45.5	25.6	83.8	0.0	0.0	0.0
02/13/15	04:00:00	44.7	26.2	83.7	0.0	0.0	0.0
02/13/15	05:00:00	44.1	26.8	83.6	0.0	0.0	0.0
02/13/15	06:00:00	43.4	27.4	83.6	0.0	0.0	0.0
02/13/15	07:00:00	43.1	28.1	83.5	0.0	0.0	0.0
02/13/15	08:00:00	44.6	28.8	83.5	0.0	0.0	0.0
02/13/15	09:00:00	52.2	29.9	83.5	0.0	0.0	0.0
02/13/15	10:00:00	68.8	31.2	83.7	1.0	1.0	0.0
02/13/15	11:00:00	80.1	32.8	83.8	1.6	1.6	0.0
02/13/15	12:00:00	90.8	34.2	84.0	3.0	2.9	0.0
02/13/15	13:00:00	96.7	35.6	84.3	2.5	2.5	0.0
02/13/15	14:00:00	99.1	533.3	84.6	2.4	2.3	0.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/13/15	15:00:00	100.1	1684.1	84.9	2.3	2.3	0.0
02/13/15	16:00:00	98.1	1683.9	84.9	2.0	2.0	0.0
02/13/15	17:00:00	89.6	1664.3	80.2	2.1	1.0	0.1
02/13/15	18:00:00	76.1	1638.4	79.3	0.1	0.1	0.0
02/13/15	19:00:00	65.6	1637.7	81.0	0.0	0.0	0.0
02/13/15	20:00:00	59.7	1637.5	81.9	0.0	0.0	0.0
02/13/15	21:00:00	56.2	1637.4	82.4	0.0	0.0	0.0
02/13/15	22:00:00	54.4	1637.3	82.8	0.0	0.0	0.0
02/13/15	23:00:00	53.2	1637.2	83.0	0.0	0.0	0.0
02/14/15	00:00:00	51.4	1637.2	83.1	0.0	0.0	0.0
02/14/15	01:00:00	50.0	1637.2	83.2	0.0	0.0	0.0
02/14/15	02:00:00	50.0	1637.2	83.3	0.0	0.0	0.0
02/14/15	03:00:00	49.0	1637.2	83.3	0.0	0.0	0.0
02/14/15	04:00:00	47.2	1637.2	83.3	0.0	0.0	0.0
02/14/15	05:00:00	46.7	1637.2	83.3	0.0	0.0	0.0
02/14/15	06:00:00	45.2	1637.2	83.3	0.0	0.0	0.0
02/14/15	07:00:00	43.5	1637.2	83.3	0.0	0.0	0.0
02/14/15	08:00:00	43.0	1637.3	83.3	0.0	0.0	0.0
02/14/15	09:00:00	51.4	1637.4	83.4	0.0	0.0	0.0
02/14/15	10:00:00	66.4	1637.3	83.6	0.0	0.0	0.0
02/14/15	11:00:00	74.8	1637.4	83.7	0.0	0.0	0.0
02/14/15	12:00:00	91.9	1637.0	84.1	0.0	0.0	0.0
02/14/15	13:00:00	101.2	1637.2	84.3	1.3	1.3	0.1
02/14/15	14:00:00	96.1	1636.6	84.0	2.0	0.9	0.1
02/14/15	15:00:00	92.9	1630.8	79.0	2.3	0.0	0.2
02/14/15	16:00:00	92.1	1632.2	75.1	2.3	0.0	0.3
02/14/15	17:00:00	90.0	1631.9	72.0	1.9	0.0	0.4
02/14/15	18:00:00	82.3	1625.4	71.4	1.1	0.0	0.4
02/14/15	19:00:00	78.5	1626.4	69.3	1.3	0.0	0.5
02/14/15	20:00:00	76.3	1628.9	66.8	1.9	0.0	0.6
02/14/15	21:00:00	73.5	1629.3	63.8	1.8	0.0	0.6
02/14/15	22:00:00	71.5	1629.5	61.2	1.9	0.0	0.7
02/14/15	23:00:00	69.5	1629.8	58.7	1.9	0.0	0.8
02/15/15	00:00:00	68.1	1628.2	56.9	1.8	0.3	0.8
02/15/15	01:00:00	67.2	1629.3	55.5	1.9	0.0	0.9
02/15/15	02:00:00	64.6	1626.5	54.1	1.1	0.0	1.0
02/15/15	03:00:00	59.0	1627.3	54.3	1.7	0.0	1.0
02/15/15	04:00:00	62.1	1629.8	51.3	2.1	0.0	1.1
02/15/15	05:00:00	60.9	1630.0	48.8	2.1	0.0	1.2
02/15/15	06:00:00	60.4	1630.2	46.8	2.1	0.0	1.3
02/15/15	07:00:00	60.9	1630.5	45.4	2.1	0.0	1.4
02/15/15	08:00:00	61.5	1630.6	44.1	2.0	0.0	1.5
02/15/15	09:00:00	65.9	1630.1	43.6	1.9	0.0	1.6
02/15/15	10:00:00	73.0	1629.7	44.0	1.8	0.0	1.6
02/15/15	11:00:00	78.8	1629.0	44.9	1.6	0.0	1.7
02/15/15	12:00:00	84.5	1629.5	45.8	1.8	0.0	1.8
02/15/15	13:00:00	88.4	1629.6	46.7	1.8	0.0	1.8
02/15/15	14:00:00	89.6	1628.0	47.7	1.2	0.0	1.9
02/15/15	15:00:00	87.6	1627.5	49.3	1.5	0.0	2.0
02/15/15	16:00:00	87.0	1628.7	49.4	1.6	0.0	2.0
02/15/15	17:00:00	85.7	1629.1	49.5	1.7	0.0	2.1
02/15/15	18:00:00	83.2	1629.2	49.2	1.8	0.0	2.2
02/15/15	19:00:00	79.4	1629.3	48.6	1.8	0.0	2.2
02/15/15	20:00:00	76.5	1629.5	47.7	1.9	0.0	2.3
02/15/15	21:00:00	74.2	1629.8	46.8	1.9	0.0	2.4
02/15/15	22:00:00	73.3	1629.9	45.9	1.9	0.0	2.5
02/15/15	23:00:00	71.3	1630.0	45.0	1.9	0.0	2.6
02/16/15	00:00:00	69.6	1630.1	44.0	1.9	0.0	2.6
02/16/15	01:00:00	68.8	1630.1	43.0	1.9	0.0	2.7
02/16/15	02:00:00	68.0	1630.7	42.0	2.1	0.0	2.8
02/16/15	03:00:00	67.8	1631.0	41.0	2.1	0.0	2.9
02/16/15	04:00:00	66.5	1631.0	40.0	2.1	0.0	3.0
02/16/15	05:00:00	65.2	1631.0	39.2	2.1	0.0	3.1
02/16/15	06:00:00	64.3	1630.5	38.6	1.9	0.0	3.1
02/16/15	07:00:00	62.4	1630.8	38.0	2.0	0.0	3.2
02/16/15	08:00:00	62.8	1631.0	37.3	2.0	0.0	3.3
02/16/15	09:00:00	68.7	1630.6	37.3	1.9	0.0	3.4

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/16/15	10:00:00	75.1	1630.6	37.7	1.9	0.0	3.5
02/16/15	11:00:00	81.6	1630.5	38.4	1.8	0.0	3.5
02/16/15	12:00:00	85.8	1630.3	39.5	1.7	0.0	3.6
02/16/15	13:00:00	89.1	1630.4	40.8	1.6	0.0	3.7
02/16/15	14:00:00	90.6	1630.3	42.0	1.6	0.0	3.8
02/16/15	15:00:00	91.3	1630.2	43.1	1.6	0.0	3.8
02/16/15	16:00:00	90.6	1629.9	44.0	1.6	0.0	3.9
02/16/15	17:00:00	88.8	1630.3	44.4	1.7	0.0	4.0
02/16/15	18:00:00	85.2	1629.9	44.5	1.7	0.0	4.0
02/16/15	19:00:00	80.6	1630.1	44.2	1.8	0.0	4.1
02/16/15	20:00:00	76.5	1630.3	43.5	1.9	0.0	4.2
02/16/15	21:00:00	75.0	1630.6	42.7	1.9	0.0	4.3
02/16/15	22:00:00	73.6	1630.8	41.9	2.0	0.0	4.3
02/16/15	23:00:00	71.9	1631.2	41.0	2.0	0.0	4.4
02/17/15	00:00:00	71.3	1631.0	40.3	1.9	0.0	4.5
02/17/15	01:00:00	69.1	1630.8	39.7	1.9	0.0	4.6
02/17/15	02:00:00	67.6	1630.9	39.0	2.0	0.0	4.7
02/17/15	03:00:00	67.8	1631.1	38.3	2.0	0.0	4.8
02/17/15	04:00:00	66.9	1631.4	37.6	2.2	0.0	4.8
02/17/15	05:00:00	65.0	1631.7	36.5	2.2	0.0	4.9
02/17/15	06:00:00	68.4	1631.8	36.0	2.1	0.0	5.0
02/17/15	07:00:00	58.5	1625.5	37.6	0.0	0.0	5.0
02/17/15	08:00:00	52.7	1623.2	40.4	0.0	0.0	5.0
02/17/15	09:00:00	54.2	1621.8	42.7	0.0	0.0	5.0
02/17/15	10:00:00	57.8	1620.8	44.6	0.0	0.0	5.0
02/17/15	11:00:00	60.5	1620.0	46.2	0.0	0.0	5.0
02/17/15	12:00:00	68.0	1619.5	47.8	0.0	0.0	5.0
02/17/15	13:00:00	78.8	1618.9	49.2	0.0	0.0	5.0
02/17/15	14:00:00	85.3	1618.6	50.5	0.0	0.0	5.0
02/17/15	15:00:00	85.6	1618.3	51.7	0.0	0.0	5.0
02/17/15	16:00:00	82.8	1617.8	52.7	0.0	0.0	5.0
02/17/15	17:00:00	75.3	1617.8	53.6	0.0	0.0	5.0
02/17/15	18:00:00	64.8	1617.4	54.4	0.0	0.0	5.0
02/17/15	19:00:00	56.4	1617.3	55.1	0.0	0.0	5.0
02/17/15	20:00:00	53.4	1617.2	55.8	0.0	0.0	5.0
02/17/15	21:00:00	52.4	1617.1	56.4	0.0	0.0	5.0
02/17/15	22:00:00	51.9	1617.0	56.9	0.0	0.0	5.0
02/17/15	23:00:00	51.3	1616.8	57.4	0.0	0.0	5.0
02/18/15	00:00:00	50.7	1616.7	57.9	0.0	0.0	5.0
02/18/15	01:00:00	50.0	1616.6	58.4	0.0	0.0	5.0
02/18/15	02:00:00	49.5	1616.6	58.9	0.0	0.0	5.0
02/18/15	03:00:00	49.0	1616.5	59.3	0.0	0.0	5.0
02/18/15	04:00:00	48.2	1616.4	59.8	0.0	0.0	5.0
02/18/15	05:00:00	47.8	1616.4	60.2	0.0	0.0	5.0
02/18/15	06:00:00	47.2	1616.3	60.6	0.0	0.0	5.0
02/18/15	07:00:00	45.3	1616.2	60.9	0.0	0.0	5.0
02/18/15	08:00:00	44.4	1616.4	61.3	0.0	0.0	5.0
02/18/15	09:00:00	52.4	1616.3	61.8	0.0	0.0	5.0
02/18/15	10:00:00	67.3	1616.1	62.3	0.0	0.0	5.0
02/18/15	11:00:00	67.7	1616.0	62.7	0.0	0.0	5.0
02/18/15	12:00:00	65.2	1616.0	63.1	0.0	0.0	5.0
02/18/15	13:00:00	64.5	1616.0	63.5	0.0	0.0	5.0
02/18/15	14:00:00	66.7	1616.0	63.9	0.0	0.0	5.0
02/18/15	15:00:00	75.8	1616.2	64.5	0.0	0.0	5.0
02/18/15	16:00:00	81.7	1615.7	64.8	0.0	0.0	5.0
02/18/15	17:00:00	79.4	1615.9	65.1	0.0	0.0	5.0
02/18/15	18:00:00	71.1	1615.6	65.4	0.0	0.0	5.0
02/18/15	19:00:00	64.0	1615.6	65.6	0.5	0.4	5.0
02/18/15	20:00:00	62.6	1615.6	65.8	1.6	1.5	5.0
02/18/15	21:00:00	54.6	1615.7	66.1	0.9	0.9	5.0
02/18/15	22:00:00	51.3	1615.7	66.2	1.0	1.0	5.0
02/18/15	23:00:00	60.7	1621.0	63.9	1.5	0.1	5.1
02/19/15	00:00:00	62.1	1624.7	58.6	1.8	0.0	5.2
02/19/15	01:00:00	60.5	1624.9	54.7	1.4	0.0	5.2
02/19/15	02:00:00	53.3	1619.6	56.1	0.0	0.0	5.2
02/19/15	03:00:00	50.3	1618.6	58.3	0.0	0.0	5.2
02/19/15	04:00:00	50.8	1618.8	59.5	0.3	0.0	5.2

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/19/15	05:00:00	62.8	1625.0	56.2	1.8	0.0	5.3
02/19/15	06:00:00	64.0	1626.6	52.5	1.8	0.0	5.4
02/19/15	07:00:00	64.6	1627.6	50.1	1.8	0.0	5.5
02/19/15	08:00:00	65.7	1628.3	48.3	1.8	0.0	5.5
02/19/15	09:00:00	67.3	1628.7	47.1	1.8	0.0	5.6
02/19/15	10:00:00	69.2	1629.1	46.2	1.8	0.0	5.7
02/19/15	11:00:00	71.0	1629.5	45.5	1.8	0.0	5.8
02/19/15	12:00:00	71.8	1629.8	44.8	1.8	0.0	5.8
02/19/15	13:00:00	72.1	1630.0	44.2	1.8	0.0	5.9
02/19/15	14:00:00	73.0	1630.2	43.8	1.8	0.0	6.0
02/19/15	15:00:00	72.6	1630.4	43.3	1.8	0.0	6.1
02/19/15	16:00:00	72.3	1630.6	42.9	1.9	0.0	6.1
02/19/15	17:00:00	71.9	1630.7	42.4	1.9	0.0	6.2
02/19/15	18:00:00	71.4	1630.8	41.9	1.9	0.0	6.3
02/19/15	19:00:00	71.2	1630.9	41.5	1.9	0.0	6.4
02/19/15	20:00:00	70.5	1631.0	41.0	1.9	0.0	6.5
02/19/15	21:00:00	70.0	1631.1	40.5	1.9	0.0	6.5
02/19/15	22:00:00	69.8	1631.1	40.1	1.9	0.0	6.6
02/19/15	23:00:00	70.1	1631.2	39.7	1.9	0.0	6.7
02/20/15	00:00:00	70.1	1631.3	39.3	1.9	0.0	6.8
02/20/15	01:00:00	69.6	1631.4	39.0	1.9	0.0	6.8
02/20/15	02:00:00	69.8	1631.4	38.7	1.9	0.0	6.9
02/20/15	03:00:00	69.4	1631.4	38.3	1.9	0.0	7.0
02/20/15	04:00:00	69.3	1631.4	38.0	1.9	0.0	7.1
02/20/15	05:00:00	69.1	1631.5	37.7	1.9	0.0	7.2
02/20/15	06:00:00	69.1	1631.5	37.5	1.9	0.0	7.2
02/20/15	07:00:00	68.5	1631.5	37.2	1.9	0.0	7.3
02/20/15	08:00:00	67.5	1631.7	36.8	1.9	0.0	7.4
02/20/15	09:00:00	68.4	1631.7	36.5	1.9	0.0	7.5
02/20/15	10:00:00	69.0	1631.7	36.3	1.9	0.0	7.6
02/20/15	11:00:00	62.0	1626.8	37.2	0.1	0.1	7.6
02/20/15	12:00:00	59.2	1624.2	40.3	0.0	0.0	7.6
02/20/15	13:00:00	75.9	1622.8	42.9	0.0	0.0	7.6
02/20/15	14:00:00	87.1	1622.1	44.5	0.0	0.0	7.6
02/20/15	15:00:00	89.4	1621.5	46.2	0.1	0.1	7.6
02/20/15	16:00:00	87.7	1623.8	47.3	2.0	0.9	7.6
02/20/15	17:00:00	79.9	1628.6	45.7	2.0	0.0	7.7
02/20/15	18:00:00	75.8	1627.6	44.3	1.3	0.0	7.7
02/20/15	19:00:00	64.7	1622.9	45.9	0.0	0.0	7.7
02/20/15	20:00:00	64.2	1627.1	45.5	1.7	0.0	7.8
02/20/15	21:00:00	67.3	1629.6	43.0	2.0	0.0	7.9
02/20/15	22:00:00	66.8	1630.3	41.2	2.1	0.0	8.0
02/20/15	23:00:00	65.7	1630.9	39.7	2.1	0.0	8.1
02/21/15	00:00:00	65.1	1631.4	38.5	2.1	0.0	8.2
02/21/15	01:00:00	65.8	1631.8	37.6	2.1	0.0	8.2
02/21/15	02:00:00	68.7	1632.0	37.0	2.0	0.0	8.3
02/21/15	03:00:00	67.9	1632.3	36.5	2.1	0.0	8.4
02/21/15	04:00:00	66.8	1632.4	35.9	2.1	0.0	8.5
02/21/15	05:00:00	66.8	1632.5	35.4	2.1	0.0	8.6
02/21/15	06:00:00	66.8	1632.6	35.0	2.1	0.0	8.7
02/21/15	07:00:00	66.8	1632.7	34.6	2.1	0.0	8.8
02/21/15	08:00:00	66.8	1632.8	34.3	2.1	0.0	8.8
02/21/15	09:00:00	67.4	1632.9	34.0	2.1	0.0	8.9
02/21/15	10:00:00	68.2	1633.0	33.8	2.1	0.0	9.0
02/21/15	11:00:00	69.3	1633.1	33.7	2.1	0.0	9.1
02/21/15	12:00:00	71.0	1633.2	33.7	2.1	0.0	9.2
02/21/15	13:00:00	74.3	1633.3	34.0	2.0	0.0	9.3
02/21/15	14:00:00	77.9	1633.1	34.5	2.0	0.0	9.4
02/21/15	15:00:00	80.0	1632.7	35.2	1.8	0.0	9.4
02/21/15	16:00:00	80.1	1632.5	35.9	1.8	0.0	9.5
02/21/15	17:00:00	78.5	1632.8	36.1	1.9	0.0	9.6
02/21/15	18:00:00	76.2	1632.6	36.2	1.9	0.0	9.7
02/21/15	19:00:00	72.0	1632.5	35.9	1.9	0.0	9.7
02/21/15	20:00:00	68.7	1632.7	35.5	1.9	0.0	9.8
02/21/15	21:00:00	66.9	1632.7	35.0	2.0	0.0	9.9
02/21/15	22:00:00	65.6	1632.7	34.5	2.0	0.0	10.0
02/21/15	23:00:00	64.5	1632.7	34.1	2.0	0.0	10.1

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
02/22/15	00:00:00	64.0	1632.8	33.7	2.0	0.0	10.2
02/22/15	01:00:00	65.1	1632.9	33.4	2.0	0.0	10.2
02/22/15	02:00:00	65.2	1633.0	33.3	1.9	0.0	10.3
02/22/15	03:00:00	65.9	1633.0	33.1	1.9	0.0	10.4
02/22/15	04:00:00	66.3	1633.0	33.0	1.9	0.0	10.5
02/22/15	05:00:00	64.1	1632.9	32.8	2.0	0.0	10.6
02/22/15	06:00:00	61.8	1632.9	32.4	2.0	0.0	10.6
02/22/15	07:00:00	61.2	1632.9	32.0	2.0	0.0	10.7
02/22/15	08:00:00	61.9	1633.0	31.7	2.0	0.0	10.8
02/22/15	09:00:00	66.8	1633.0	31.8	2.0	0.0	10.9
02/22/15	10:00:00	72.3	1633.4	32.3	2.0	0.0	11.0
02/22/15	11:00:00	76.6	1633.4	32.8	1.9	0.0	11.0
02/22/15	12:00:00	80.5	1633.4	33.6	1.8	0.0	11.1
02/22/15	13:00:00	83.8	1633.7	34.5	1.9	0.0	11.2
02/22/15	14:00:00	84.3	1633.9	35.2	1.9	0.0	11.3
02/22/15	15:00:00	83.0	1634.0	35.8	1.9	0.0	11.4
02/22/15	16:00:00	82.0	1633.9	36.2	1.9	0.0	11.4
02/22/15	17:00:00	78.9	1634.2	36.3	2.0	0.0	11.5
02/22/15	18:00:00	75.3	1634.0	36.0	2.0	0.0	11.6
02/22/15	19:00:00	72.2	1634.1	35.6	2.0	0.0	11.7
02/22/15	20:00:00	70.3	1634.2	35.1	2.1	0.0	11.8
02/22/15	21:00:00	67.8	1634.3	34.5	2.1	0.0	11.9
02/22/15	22:00:00	65.5	1634.4	33.9	2.2	0.0	12.0
02/22/15	23:00:00	64.9	1634.4	33.3	2.2	0.0	12.0
02/23/15	00:00:00	65.7	1634.5	32.9	2.1	0.0	12.1
02/23/15	01:00:00	65.1	1634.5	32.5	2.1	0.0	12.2
02/23/15	02:00:00	64.5	1634.6	32.1	2.2	0.0	12.3
02/23/15	03:00:00	63.4	1634.6	31.8	2.2	0.0	12.4
02/23/15	04:00:00	62.3	1634.6	31.3	2.2	0.0	12.5
02/23/15	05:00:00	61.1	1634.6	30.9	2.2	0.0	12.6
02/23/15	06:00:00	60.5	1634.7	30.6	2.1	0.0	12.7
02/23/15	07:00:00	59.8	1634.7	30.3	2.1	0.0	12.8
02/23/15	08:00:00	59.8	1634.8	30.0	2.1	0.0	12.8
02/23/15	09:00:00	65.0	1634.9	30.1	2.1	0.0	12.9
02/23/15	10:00:00	70.5	1634.9	30.6	2.0	0.0	13.0
02/23/15	11:00:00	75.8	1634.9	31.2	2.0	0.0	13.1
02/23/15	12:00:00	79.0	1634.9	32.1	1.9	0.0	13.2
02/23/15	13:00:00	82.7	1635.1	33.0	1.9	0.0	13.3
02/23/15	14:00:00	85.1	1635.1	34.0	1.9	0.0	13.3
02/23/15	15:00:00	83.5	1637.3	34.6	2.7	0.0	13.5
02/23/15	16:00:00	82.5	1640.2	34.0	3.5	0.0	13.6
02/23/15	17:00:00	80.1	1641.8	33.2	3.6	0.0	13.7
02/23/15	18:00:00	76.3	1642.4	32.3	3.7	0.0	13.9
02/23/15	19:00:00	71.9	1642.8	31.1	3.6	0.0	14.1
02/23/15	20:00:00	68.2	1640.5	30.3	2.6	0.0	14.2
02/23/15	21:00:00	67.3	1640.9	30.3	3.1	0.0	14.3
02/23/15	22:00:00	66.5	1642.5	29.2	3.6	0.0	14.4
02/23/15	23:00:00	63.4	1642.8	28.0	3.6	0.0	14.6
02/24/15	00:00:00	60.8	1643.0	26.9	3.6	0.0	14.7
02/24/15	01:00:00	58.1	1643.0	25.9	3.5	0.0	14.9
02/24/15	02:00:00	57.8	1643.2	25.2	3.5	0.0	15.0
02/24/15	03:00:00	57.2	1643.2	24.5	3.5	0.0	15.2
02/24/15	04:00:00	56.2	1643.1	23.9	3.4	0.0	15.3
02/24/15	05:00:00	55.9	1643.2	23.4	3.4	0.0	15.5
02/24/15	06:00:00	56.8	1643.3	23.0	3.5	0.0	15.6
02/24/15	07:00:00	56.2	1643.3	22.6	3.5	0.0	15.8
02/24/15	08:00:00	57.2	1643.6	22.2	3.5	0.0	15.9
02/24/15	09:00:00	62.5	1643.5	22.3	3.4	0.0	16.0
02/24/15	10:00:00	68.7	1643.7	22.8	3.4	0.0	16.2
02/24/15	11:00:00	74.1	1643.7	23.4	3.4	0.0	16.3
02/24/15	12:00:00	78.3	1644.2	24.3	3.4	0.0	16.5
02/24/15	13:00:00	81.9	1645.0	25.2	3.6	0.0	16.6
02/24/15	14:00:00	83.9	1649.5	25.8	4.8	0.0	16.8
02/24/15	15:00:00	85.4	1650.7	26.5	4.8	0.0	17.0
02/24/15	16:00:00	85.9	1651.2	27.3	4.7	0.0	17.2
02/24/15	17:00:00	86.4	1652.5	27.9	4.8	0.0	17.4
02/24/15	18:00:00	84.2	1651.6	28.5	4.4	0.0	17.6

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/24/15	19:00:00	79.5	1652.2	28.6	4.7	0.0	17.8
02/24/15	20:00:00	76.5	1653.1	28.1	4.9	0.0	18.0
02/24/15	21:00:00	73.1	1653.3	27.5	4.8	0.0	18.2
02/24/15	22:00:00	71.5	1653.5	26.8	4.9	0.0	18.4
02/24/15	23:00:00	70.7	1653.7	26.3	4.8	0.0	18.6
02/25/15	00:00:00	67.2	1653.8	25.6	4.9	0.0	18.8
02/25/15	01:00:00	65.9	1654.1	24.8	5.0	0.0	19.0
02/25/15	02:00:00	63.6	1654.2	24.1	5.0	0.0	19.2
02/25/15	03:00:00	60.7	1654.2	23.2	5.0	0.0	19.4
02/25/15	04:00:00	60.5	1654.2	22.4	4.9	0.0	19.6
02/25/15	05:00:00	60.3	1654.1	22.0	4.9	0.0	19.8
02/25/15	06:00:00	58.9	1654.1	21.4	4.9	0.0	20.0
02/25/15	07:00:00	58.6	1654.1	20.9	4.9	0.0	20.2
02/25/15	08:00:00	58.6	1654.2	20.5	4.9	0.0	20.5
02/25/15	09:00:00	63.6	1654.3	20.5	4.9	0.0	20.7
02/25/15	10:00:00	68.7	1654.5	20.8	4.8	0.0	20.9
02/25/15	11:00:00	73.7	1650.5	21.8	3.4	0.0	21.0
02/25/15	12:00:00	78.3	1649.8	23.2	3.4	0.0	21.1
02/25/15	13:00:00	83.2	1648.7	24.6	2.7	0.0	21.3
02/25/15	14:00:00	91.6	1640.9	26.7	0.0	0.0	21.3
02/25/15	15:00:00	88.8	1638.3	28.8	0.0	0.0	21.3
02/25/15	16:00:00	81.4	1636.9	30.8	0.0	0.0	21.3
02/25/15	17:00:00	83.4	1636.0	32.5	0.2	0.1	21.3
02/25/15	18:00:00	76.3	1639.9	33.3	2.4	0.0	21.4
02/25/15	19:00:00	75.7	1646.3	32.1	4.3	0.0	21.5
02/25/15	20:00:00	76.2	1652.9	30.2	5.6	0.0	21.8
02/25/15	21:00:00	74.7	1654.7	28.8	5.5	0.0	22.0
02/25/15	22:00:00	72.2	1655.3	27.7	5.4	0.0	22.2
02/25/15	23:00:00	74.7	1656.0	27.1	5.3	0.0	22.4
02/26/15	00:00:00	70.5	1656.6	26.5	5.4	0.0	22.7
02/26/15	01:00:00	68.3	1657.4	25.6	5.5	0.0	22.9
02/26/15	02:00:00	66.2	1657.8	24.7	5.6	0.0	23.1
02/26/15	03:00:00	65.5	1658.0	23.9	5.5	0.0	23.4
02/26/15	04:00:00	66.6	1658.4	23.4	5.5	0.0	23.6
02/26/15	05:00:00	63.5	1658.5	22.8	5.6	0.0	23.8
02/26/15	06:00:00	61.4	1658.8	22.0	5.7	0.0	24.1
02/26/15	07:00:00	60.7	1659.0	21.4	5.6	0.0	24.3
02/26/15	08:00:00	62.2	1659.2	21.0	5.6	0.0	24.5
02/26/15	09:00:00	67.5	1659.2	21.0	5.5	0.0	24.8
02/26/15	10:00:00	73.4	1659.2	21.6	5.3	0.0	25.0
02/26/15	11:00:00	79.5	1659.3	22.6	5.2	0.0	25.2
02/26/15	12:00:00	85.1	1660.4	24.0	5.5	0.0	25.4
02/26/15	13:00:00	89.5	1657.6	25.7	4.2	0.0	25.6
02/26/15	14:00:00	92.8	1660.0	27.6	5.1	0.0	25.8
02/26/15	15:00:00	90.8	1647.7	29.4	0.0	0.0	25.8
02/26/15	16:00:00	85.7	1644.1	31.4	0.0	0.0	25.8
02/26/15	17:00:00	80.7	1642.4	33.1	0.0	0.0	25.8
02/26/15	18:00:00	81.8	1645.7	34.4	2.5	0.0	25.9
02/26/15	19:00:00	83.0	1655.3	33.6	5.4	0.0	26.1
02/26/15	20:00:00	83.4	1657.7	32.8	5.5	0.0	26.4
02/26/15	21:00:00	82.3	1659.0	32.4	5.5	0.0	26.6
02/26/15	22:00:00	80.8	1659.8	32.0	5.5	0.0	26.8
02/26/15	23:00:00	78.7	1660.6	31.5	5.5	0.0	27.1
02/27/15	00:00:00	78.0	1661.0	31.0	5.5	0.0	27.3
02/27/15	01:00:00	77.4	1661.5	30.7	5.5	0.0	27.5
02/27/15	02:00:00	76.8	1661.9	30.3	5.5	0.0	27.8
02/27/15	03:00:00	76.4	1662.4	30.0	5.6	0.0	28.0
02/27/15	04:00:00	75.9	1662.7	29.8	5.6	0.0	28.2
02/27/15	05:00:00	75.4	1662.9	29.5	5.6	0.0	28.5
02/27/15	06:00:00	75.3	1662.7	29.3	5.5	0.0	28.7
02/27/15	07:00:00	74.8	1661.2	29.3	4.8	0.0	28.9
02/27/15	08:00:00	75.7	1660.3	29.7	4.6	0.0	29.1
02/27/15	09:00:00	79.1	1662.3	30.0	5.4	0.0	29.3
02/27/15	10:00:00	82.9	1662.9	30.6	5.4	0.0	29.5
02/27/15	11:00:00	85.7	1663.3	31.5	5.4	0.0	29.8
02/27/15	12:00:00	87.2	1663.7	32.5	5.4	0.0	30.0
02/27/15	13:00:00	88.9	1664.1	33.7	5.4	0.0	30.2

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/27/15	14:00:00	88.7	1664.5	34.7	5.4	0.0	30.4
02/27/15	15:00:00	88.1	1665.1	35.4	5.5	0.0	30.7
02/27/15	16:00:00	86.8	1665.3	36.0	5.5	0.0	30.9
02/27/15	17:00:00	83.7	1665.8	36.0	5.6	0.0	31.1
02/27/15	18:00:00	80.7	1665.7	35.7	5.5	0.0	31.4
02/27/15	19:00:00	78.0	1665.8	35.1	5.6	0.0	31.6
02/27/15	20:00:00	76.1	1666.6	34.2	5.8	0.0	31.8
02/27/15	21:00:00	75.1	1666.9	33.5	5.8	0.0	32.1
02/27/15	22:00:00	74.3	1667.0	32.8	5.8	0.0	32.3
02/27/15	23:00:00	73.4	1667.2	32.2	5.8	0.0	32.6
02/28/15	00:00:00	73.3	1667.2	31.7	5.8	0.0	32.8
02/28/15	01:00:00	73.6	1667.3	31.3	5.7	0.0	33.0
02/28/15	02:00:00	73.6	1667.4	31.1	5.7	0.0	33.3
02/28/15	03:00:00	72.6	1665.2	30.9	4.9	0.0	33.5
02/28/15	04:00:00	73.0	1667.3	30.7	5.7	0.0	33.7
02/28/15	05:00:00	73.0	1667.4	30.4	5.7	0.0	34.0
02/28/15	06:00:00	71.2	1667.6	30.0	5.7	0.0	34.2
02/28/15	07:00:00	71.4	1667.8	29.6	5.7	0.0	34.4
02/28/15	08:00:00	70.1	1667.9	29.1	5.7	0.0	34.7
02/28/15	09:00:00	73.2	1668.0	29.1	5.6	0.0	34.9
02/28/15	10:00:00	73.7	1667.8	29.3	5.5	0.0	35.1
02/28/15	11:00:00	78.5	1668.0	29.8	5.5	0.0	35.4
02/28/15	12:00:00	83.8	1669.3	30.7	5.8	0.0	35.6
02/28/15	13:00:00	85.3	1669.9	31.9	6.0	0.0	35.9
02/28/15	14:00:00	81.7	1670.4	32.4	6.1	0.0	36.1
02/28/15	15:00:00	79.8	1671.2	32.4	6.1	0.0	36.4
02/28/15	16:00:00	82.2	1671.3	32.8	6.1	0.0	36.6
02/28/15	17:00:00	79.5	1671.5	32.9	6.2	0.0	36.9
02/28/15	18:00:00	80.6	1671.8	33.0	6.2	0.0	37.1
02/28/15	19:00:00	74.8	1672.1	32.6	6.2	0.0	37.4
02/28/15	20:00:00	71.8	1672.0	31.6	6.2	0.0	37.6
02/28/15	21:00:00	71.3	1672.1	31.0	6.2	0.0	37.9
02/28/15	22:00:00	70.9	1672.0	30.4	6.1	0.0	38.2
02/28/15	23:00:00	70.2	1672.0	29.9	6.0	0.0	38.4
03/01/15	00:00:00	67.4	1670.5	29.4	5.6	0.0	38.6
03/01/15	01:00:00	66.3	1671.8	28.6	6.1	0.0	38.9
03/01/15	02:00:00	64.0	1667.6	28.2	4.4	0.0	39.1
03/01/15	03:00:00	63.2	1665.7	28.5	4.1	0.0	39.3
03/01/15	04:00:00	62.4	1665.0	28.5	4.1	0.0	39.4
03/01/15	05:00:00	63.7	1664.7	28.5	4.1	0.0	39.6
03/01/15	06:00:00	62.0	1664.2	28.4	4.0	0.0	39.8
03/01/15	07:00:00	61.2	1664.1	28.2	4.1	0.0	39.9
03/01/15	08:00:00	63.0	1663.9	28.0	4.1	0.0	40.1
03/01/15	09:00:00	70.1	1667.5	28.2	5.5	0.0	40.3
03/01/15	10:00:00	73.9	1669.4	28.1	5.7	0.0	40.6
03/01/15	11:00:00	76.4	1669.8	28.3	5.6	0.0	40.8
03/01/15	12:00:00	78.5	1670.1	28.9	5.5	0.0	41.0
03/01/15	13:00:00	81.6	1670.9	29.8	5.7	0.0	41.3
03/01/15	14:00:00	83.8	1671.6	30.7	5.8	0.0	41.5
03/01/15	15:00:00	84.9	1672.1	31.5	5.8	0.0	41.8
03/01/15	16:00:00	85.1	1672.4	32.3	5.8	0.0	42.0
03/01/15	17:00:00	85.0	1672.8	33.1	5.8	0.0	42.2
03/01/15	18:00:00	83.4	1673.2	33.5	5.9	0.0	42.5
03/01/15	19:00:00	82.6	1673.7	33.8	6.0	0.0	42.7
03/01/15	20:00:00	79.1	1673.9	33.7	6.0	0.0	43.0
03/01/15	21:00:00	76.5	1674.1	33.2	6.0	0.0	43.2
03/01/15	22:00:00	74.9	1674.3	32.7	6.0	0.0	43.5
03/01/15	23:00:00	74.2	1674.5	32.2	6.1	0.0	43.7
03/02/15	00:00:00	71.9	1674.7	31.6	6.1	0.0	44.0
03/02/15	01:00:00	70.2	1675.0	30.8	6.2	0.0	44.3
03/02/15	02:00:00	69.8	1675.0	30.2	6.1	0.0	44.5
03/02/15	03:00:00	72.1	1675.2	29.9	6.1	0.0	44.8
03/02/15	04:00:00	70.8	1675.4	29.6	6.2	0.0	45.0
03/02/15	05:00:00	71.0	1675.6	29.3	6.1	0.0	45.3
03/02/15	06:00:00	72.1	1675.7	29.2	6.1	0.0	45.5
03/02/15	07:00:00	71.9	1675.9	29.0	6.1	0.0	45.8

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/02/15	08:00:00	72.4	1676.0	28.9	6.1	0.0	46.0
03/02/15	09:00:00	75.6	1676.2	29.1	6.0	0.0	46.3
03/02/15	10:00:00	80.3	1676.2	29.9	5.9	0.0	46.5
03/02/15	11:00:00	83.4	1676.5	30.9	6.0	0.0	46.8
03/02/15	12:00:00	87.0	1677.1	32.3	6.0	0.0	47.0
03/02/15	13:00:00	88.1	1677.3	33.7	6.0	0.0	47.3
03/02/15	14:00:00	89.0	1676.2	35.0	5.3	0.0	47.5
03/02/15	15:00:00	87.4	1671.3	36.2	3.7	0.0	47.7
03/02/15	16:00:00	81.2	1670.8	36.7	4.0	0.0	47.8
03/02/15	17:00:00	79.1	1676.1	36.1	5.9	0.0	48.1
03/02/15	18:00:00	77.5	1676.7	35.6	5.9	0.0	48.3
03/02/15	19:00:00	73.3	1677.0	34.6	6.0	0.0	48.6
03/02/15	20:00:00	72.6	1677.3	33.6	6.0	0.0	48.8
03/02/15	21:00:00	71.2	1677.6	32.9	6.0	0.0	49.1
03/02/15	22:00:00	70.0	1677.6	32.1	6.0	0.0	49.3
03/02/15	23:00:00	71.0	1677.7	31.6	6.0	0.0	49.6
03/03/15	00:00:00	68.2	1677.9	31.0	6.1	0.0	49.8
03/03/15	01:00:00	66.3	1678.1	30.1	6.1	0.0	50.1
03/03/15	02:00:00	65.7	1678.3	29.3	6.2	0.0	50.3
03/03/15	03:00:00	64.0	1678.1	28.6	6.1	0.0	50.6
03/03/15	04:00:00	62.0	1678.1	27.8	6.1	0.0	50.8
03/03/15	05:00:00	62.4	1678.1	27.2	6.0	0.0	51.1
03/03/15	06:00:00	63.1	1677.9	26.7	5.9	0.0	51.3
03/03/15	07:00:00	60.5	1676.7	26.4	5.6	0.0	51.6
03/03/15	08:00:00	58.7	1670.8	26.6	2.2	0.0	51.7
03/03/15	09:00:00	55.5	1663.8	29.5	0.0	0.0	51.7
03/03/15	10:00:00	61.6	1661.9	31.8	0.0	0.0	51.7
03/03/15	11:00:00	74.9	1660.6	33.7	0.0	0.0	51.7
03/03/15	12:00:00	80.7	1659.6	35.5	0.0	0.0	51.7
03/03/15	13:00:00	84.4	1659.0	37.2	0.0	0.0	51.7
03/03/15	14:00:00	86.0	1658.3	38.7	0.0	0.0	51.7
03/03/15	15:00:00	90.1	1657.7	40.0	2.0	1.9	51.7
03/03/15	16:00:00	84.2	1657.0	41.2	3.6	3.6	51.7
03/03/15	17:00:00	79.6	1657.9	42.3	3.1	2.2	51.7
03/03/15	18:00:00	80.2	1664.2	41.6	3.8	0.0	51.9
03/03/15	19:00:00	76.0	1668.2	39.8	5.0	0.0	52.1
03/03/15	20:00:00	73.7	1671.6	37.3	5.7	0.0	52.3
03/03/15	21:00:00	72.7	1672.7	35.6	5.8	0.0	52.6
03/03/15	22:00:00	72.4	1673.5	34.3	5.8	0.0	52.8
03/03/15	23:00:00	71.6	1674.1	33.3	5.8	0.0	53.0
03/04/15	00:00:00	70.6	1674.6	32.4	5.8	0.0	53.3
03/04/15	01:00:00	67.8	1675.3	31.4	6.0	0.0	53.5
03/04/15	02:00:00	64.7	1675.6	30.2	5.9	0.0	53.8
03/04/15	03:00:00	63.8	1674.6	29.3	5.4	0.0	54.0
03/04/15	04:00:00	62.0	1676.2	28.4	6.1	0.0	54.3
03/04/15	05:00:00	61.9	1676.6	27.4	6.1	0.0	54.5
03/04/15	06:00:00	63.9	1676.9	26.9	6.0	0.0	54.8
03/04/15	07:00:00	62.3	1677.0	26.3	6.0	0.0	55.0
03/04/15	08:00:00	62.7	1677.3	25.8	6.0	0.0	55.3
03/04/15	09:00:00	67.9	1677.4	26.0	6.0	0.0	55.5
03/04/15	10:00:00	72.9	1677.7	26.4	5.9	0.0	55.8
03/04/15	11:00:00	77.8	1678.0	27.1	5.8	0.0	56.0
03/04/15	12:00:00	80.9	1678.5	28.1	5.8	0.0	56.2
03/04/15	13:00:00	84.4	1678.9	29.5	5.8	0.0	56.5
03/04/15	14:00:00	87.1	1679.5	30.8	5.8	0.0	56.7
03/04/15	15:00:00	87.5	1680.1	32.0	5.8	0.0	57.0
03/04/15	16:00:00	87.2	1680.4	33.0	5.9	0.0	57.2
03/04/15	17:00:00	85.7	1680.9	33.9	5.9	0.0	57.5
03/04/15	18:00:00	83.1	1681.4	34.2	6.1	0.0	57.7
03/04/15	19:00:00	80.5	1681.8	34.1	6.2	0.0	58.0
03/04/15	20:00:00	77.5	1681.8	33.8	6.0	0.0	58.2
03/04/15	21:00:00	75.5	1682.1	33.4	6.1	0.0	58.5
03/04/15	22:00:00	74.3	1682.1	32.8	6.1	0.0	58.7
03/04/15	23:00:00	71.0	1682.1	32.2	6.0	0.0	59.0
03/05/15	00:00:00	69.0	1681.9	31.4	5.9	0.0	59.2
03/05/15	01:00:00	66.9	1682.0	30.6	6.0	0.0	59.5
03/05/15	02:00:00	64.9	1682.1	29.8	6.0	0.0	59.7

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
03/05/15	03:00:00	64.6	1682.1	29.0	6.0	0.0	60.0
03/05/15	04:00:00	64.2	1682.3	28.4	6.1	0.0	60.2
03/05/15	05:00:00	61.5	1682.3	27.7	6.1	0.0	60.5
03/05/15	06:00:00	59.7	1682.2	26.9	6.1	0.0	60.7
03/05/15	07:00:00	58.8	1682.2	26.1	6.1	0.0	61.0
03/05/15	08:00:00	61.8	1682.3	25.7	6.0	0.0	61.2
03/05/15	09:00:00	68.5	1682.4	26.1	5.9	0.0	61.5
03/05/15	10:00:00	74.4	1682.9	26.8	6.0	0.0	61.7
03/05/15	11:00:00	79.4	1683.1	27.7	6.0	0.0	62.0
03/05/15	12:00:00	83.7	1683.5	29.0	5.9	0.0	62.2
03/05/15	13:00:00	86.4	1683.7	30.6	5.8	0.0	62.5
03/05/15	14:00:00	89.1	1682.9	32.3	5.3	0.0	62.7
03/05/15	15:00:00	90.8	1684.7	33.8	5.9	0.0	62.9
03/05/15	16:00:00	91.0	1685.2	35.2	6.0	0.0	63.2
03/05/15	17:00:00	89.2	1685.7	36.2	6.1	0.0	63.4
03/05/15	18:00:00	86.4	1686.2	36.8	6.2	0.0	63.7
03/05/15	19:00:00	82.9	1686.6	36.8	6.2	0.0	64.0
03/05/15	20:00:00	79.2	1686.5	36.4	6.1	0.0	64.2
03/05/15	21:00:00	77.3	1686.4	35.9	6.0	0.0	64.5
03/05/15	22:00:00	74.4	1686.5	35.3	6.0	0.0	64.7
03/05/15	23:00:00	72.4	1686.5	34.5	6.1	0.0	65.0
03/06/15	00:00:00	70.9	1686.5	33.7	6.0	0.0	65.2
03/06/15	01:00:00	68.7	1686.4	32.8	6.0	0.0	65.5
03/06/15	02:00:00	68.7	1686.5	32.2	6.0	0.0	65.7
03/06/15	03:00:00	69.4	1686.6	31.7	6.1	0.0	66.0
03/06/15	04:00:00	67.4	1686.6	31.1	6.1	0.0	66.2
03/06/15	05:00:00	65.0	1686.7	30.4	6.1	0.0	66.5
03/06/15	06:00:00	62.6	1686.5	29.5	6.1	0.0	66.7
03/06/15	07:00:00	62.1	1686.5	28.7	6.1	0.0	67.0
03/06/15	08:00:00	63.8	1686.5	28.3	6.0	0.0	67.2
03/06/15	09:00:00	68.4	1686.1	28.5	5.8	0.0	67.5
03/06/15	10:00:00	73.3	1686.6	29.0	5.9	0.0	67.7
03/06/15	11:00:00	80.3	1687.1	29.9	6.0	0.0	68.0
03/06/15	12:00:00	85.6	1685.1	31.5	5.1	0.0	68.2
03/06/15	13:00:00	89.6	1687.5	33.4	5.8	0.0	68.4
03/06/15	14:00:00	93.1	1688.0	35.4	5.8	0.0	68.7
03/06/15	15:00:00	94.5	1688.5	37.2	5.8	0.0	68.9
03/06/15	16:00:00	94.3	1688.9	38.9	5.9	0.0	69.2
03/06/15	17:00:00	93.4	1689.4	40.3	5.9	0.0	69.4
03/06/15	18:00:00	91.0	1689.7	41.3	6.0	0.0	69.7
03/06/15	19:00:00	86.2	1690.1	41.4	6.1	0.0	69.9
03/06/15	20:00:00	84.8	1690.3	41.3	6.1	0.0	70.2
03/06/15	21:00:00	81.3	1690.4	40.9	6.1	0.0	70.4
03/06/15	22:00:00	79.4	1690.5	40.3	6.1	0.0	70.7
03/06/15	23:00:00	75.7	1690.4	39.3	6.0	0.0	70.9
03/07/15	00:00:00	73.4	1690.3	38.3	6.0	0.0	71.2
03/07/15	01:00:00	71.6	1690.4	37.3	6.1	0.0	71.4
03/07/15	02:00:00	70.7	1690.3	36.3	6.0	0.0	71.7
03/07/15	03:00:00	70.4	1690.3	35.5	6.1	0.0	71.9
03/07/15	04:00:00	71.5	1690.4	35.0	6.1	0.0	72.2
03/07/15	05:00:00	68.0	1690.3	34.3	6.1	0.0	72.4
03/07/15	06:00:00	65.4	1690.1	33.3	6.0	0.0	72.7
03/07/15	07:00:00	63.8	1690.0	32.3	6.0	0.0	72.9
03/07/15	08:00:00	66.8	1690.3	31.8	6.0	0.0	73.2
03/07/15	09:00:00	74.3	1690.3	32.3	5.9	0.0	73.4
03/07/15	10:00:00	81.0	1690.5	33.4	5.8	0.0	73.7
03/07/15	11:00:00	85.6	1690.7	34.7	5.8	0.0	73.9
03/07/15	12:00:00	89.5	1691.4	36.5	6.0	0.0	74.2
03/07/15	13:00:00	91.7	1692.0	38.5	6.0	0.0	74.4
03/07/15	14:00:00	93.8	1692.4	40.6	6.0	0.0	74.7
03/07/15	15:00:00	94.6	1692.8	42.4	5.9	0.0	74.9
03/07/15	16:00:00	94.3	1693.0	43.9	6.0	0.0	75.2
03/07/15	17:00:00	93.3	1693.3	45.3	6.0	0.0	75.4
03/07/15	18:00:00	91.1	1693.3	46.0	6.0	0.0	75.7
03/07/15	19:00:00	86.3	1693.7	46.0	6.1	0.0	75.9
03/07/15	20:00:00	82.0	1693.7	45.2	6.0	0.0	76.2
03/07/15	21:00:00	80.8	1693.8	44.5	6.0	0.0	76.4

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
03/07/15	22:00:00	79.1	1693.9	43.7	6.1	0.0	76.7
03/07/15	23:00:00	76.5	1693.8	42.7	6.0	0.0	76.9
03/08/15	00:00:00	74.7	1693.8	41.7	6.0	0.0	77.2
03/08/15	01:00:00	73.8	1693.8	40.7	6.0	0.0	77.4
03/08/15	02:00:00	(1)	(1)	(1)	(1)	(1)	77.4
03/08/15	03:00:00	72.3	1693.9	39.8	6.0	0.0	77.7
03/08/15	04:00:00	70.7	1693.7	38.7	6.0	0.0	77.9
03/08/15	05:00:00	69.4	1693.6	37.8	5.9	0.0	78.2
03/08/15	06:00:00	66.5	1693.6	36.7	6.0	0.0	78.4
03/08/15	07:00:00	66.0	1693.5	35.6	6.0	0.0	78.7
03/08/15	08:00:00	62.5	1693.5	34.4	6.1	0.0	78.9
03/08/15	09:00:00	65.7	1693.6	33.6	6.0	0.0	79.2
03/08/15	10:00:00	71.5	1693.5	33.8	5.9	0.0	79.4
03/08/15	11:00:00	79.0	1693.4	34.7	5.7	0.0	79.7
03/08/15	12:00:00	84.7	1693.9	36.1	5.8	0.0	79.9
03/08/15	13:00:00	89.3	1694.3	37.8	5.9	0.0	80.1
03/08/15	14:00:00	94.1	1694.8	40.2	5.8	0.0	80.4
03/08/15	15:00:00	96.6	1695.2	42.6	5.7	0.0	80.6
03/08/15	16:00:00	97.7	1695.8	44.9	5.9	0.0	80.9
03/08/15	17:00:00	98.0	1696.1	47.0	5.9	0.0	81.1
03/08/15	18:00:00	96.9	1696.5	48.8	6.0	0.0	81.4
03/08/15	19:00:00	92.6	1696.8	49.7	6.1	0.0	81.6
03/08/15	20:00:00	87.4	1696.8	49.5	6.0	0.0	81.9
03/08/15	21:00:00	84.5	1697.0	48.7	6.0	0.0	82.1
03/08/15	22:00:00	81.4	1697.2	47.8	6.1	0.0	82.4
03/08/15	23:00:00	80.1	1697.2	46.7	6.0	0.0	82.6
03/09/15	00:00:00	78.7	1697.2	45.9	6.0	0.0	82.9
03/09/15	01:00:00	75.7	1697.1	44.7	6.0	0.0	83.1
03/09/15	02:00:00	73.3	1697.0	43.4	5.9	0.0	83.4
03/09/15	03:00:00	72.4	1697.0	42.2	6.0	0.0	83.6
03/09/15	04:00:00	71.7	1697.1	41.1	6.0	0.0	83.9
03/09/15	05:00:00	72.2	1697.2	40.3	6.1	0.0	84.1
03/09/15	06:00:00	69.5	1697.1	39.2	6.1	0.0	84.4
03/09/15	07:00:00	67.8	1697.1	38.1	6.1	0.0	84.6
03/09/15	08:00:00	67.1	1697.1	37.1	6.0	0.0	84.9
03/09/15	09:00:00	70.9	1697.3	36.7	6.1	0.0	85.1
03/09/15	10:00:00	76.8	1697.3	37.2	5.9	0.0	85.4
03/09/15	11:00:00	81.4	1697.3	38.1	5.8	0.0	85.6
03/09/15	12:00:00	86.1	1697.5	39.5	5.8	0.0	85.9
03/09/15	13:00:00	89.8	1697.7	41.2	5.7	0.0	86.1
03/09/15	14:00:00	94.0	1698.1	43.6	5.7	0.0	86.3
03/09/15	15:00:00	96.7	1698.6	46.1	5.8	0.0	86.6
03/09/15	16:00:00	97.3	1699.1	48.3	5.9	0.0	86.8
03/09/15	17:00:00	96.8	1699.3	50.3	5.8	0.0	87.1
03/09/15	18:00:00	95.7	1699.8	51.8	5.9	0.0	87.3
03/09/15	19:00:00	93.2	1700.0	52.7	6.0	0.0	87.6
03/09/15	20:00:00	90.4	1699.9	53.0	5.9	0.0	87.8
03/09/15	21:00:00	85.4	1700.1	52.3	5.9	0.0	88.1
03/09/15	22:00:00	82.2	1700.5	51.3	6.1	0.0	88.3
03/09/15	23:00:00	79.0	1700.6	49.6	6.1	0.0	88.6
03/10/15	00:00:00	78.2	1700.6	48.4	6.1	0.0	88.8
03/10/15	01:00:00	76.1	1700.6	47.1	6.1	0.0	89.1
03/10/15	02:00:00	74.8	1700.6	45.8	6.1	0.0	89.3
03/10/15	03:00:00	74.1	1699.7	44.7	5.7	0.0	89.6
03/10/15	04:00:00	72.6	1699.3	43.8	5.7	0.0	89.8
03/10/15	05:00:00	71.9	1698.9	43.0	5.5	0.0	90.0
03/10/15	06:00:00	70.2	1698.9	42.1	5.5	0.0	90.3
03/10/15	07:00:00	69.0	1698.5	41.1	5.4	0.0	90.5
03/10/15	08:00:00	66.2	1698.0	39.9	5.0	0.0	90.7
03/10/15	09:00:00	68.5	1694.6	40.1	4.0	0.0	90.9
03/10/15	10:00:00	76.6	1698.8	40.6	5.8	0.0	91.1
03/10/15	11:00:00	82.7	1699.9	41.2	6.0	0.0	91.4
03/10/15	12:00:00	87.5	1699.3	42.7	5.5	0.0	91.6
03/10/15	13:00:00	92.1	1700.3	44.5	5.8	0.0	91.8
03/10/15	14:00:00	95.3	1700.9	46.9	5.8	0.0	92.1
03/10/15	15:00:00	99.3	1701.1	49.5	5.7	0.0	92.3
03/10/15	16:00:00	96.9	1702.2	51.7	6.1	0.0	92.6

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/10/15	17:00:00	94.5	1702.2	52.9	5.9	0.0	92.8
03/10/15	18:00:00	93.4	1702.3	54.0	5.8	0.0	93.1
03/10/15	19:00:00	90.4	1705.1	54.3	6.8	0.0	93.3
03/10/15	20:00:00	87.0	1708.2	53.9	7.7	0.0	93.7
03/10/15	21:00:00	83.4	1703.7	52.9	5.9	0.0	93.9
03/10/15	22:00:00	80.2	1701.5	51.8	5.0	0.0	94.1
03/10/15	23:00:00	80.0	1698.6	51.5	3.9	0.0	94.3
03/11/15	00:00:00	79.7	1700.4	51.0	5.1	0.0	94.5
03/11/15	01:00:00	78.6	1706.7	49.5	7.4	0.0	94.8
03/11/15	02:00:00	79.5	1703.5	48.4	5.9	0.0	95.0
03/11/15	03:00:00	79.6	1702.8	48.1	5.7	0.0	95.3
03/11/15	04:00:00	78.8	1704.9	47.7	6.5	0.0	95.5
03/11/15	05:00:00	77.5	1706.3	46.4	6.8	0.0	95.8
03/11/15	06:00:00	77.8	1703.3	46.1	5.7	0.0	96.1
03/11/15	07:00:00	75.3	1703.1	45.6	5.7	0.0	96.3
03/11/15	08:00:00	74.3	1701.2	44.9	4.8	0.0	96.5
03/11/15	09:00:00	72.9	1703.0	44.4	5.8	0.0	96.8
03/11/15	10:00:00	75.9	1703.8	43.6	6.0	0.0	97.0
03/11/15	11:00:00	83.4	1706.9	44.2	7.0	0.0	97.3
03/11/15	12:00:00	87.2	1708.4	45.4	7.2	0.0	97.6
03/11/15	13:00:00	84.4	1705.5	46.1	6.1	0.0	97.8
03/11/15	14:00:00	84.1	1705.6	46.6	6.1	0.0	98.1
03/11/15	15:00:00	85.3	1710.9	47.1	7.9	0.0	98.4
03/11/15	16:00:00	87.8	1708.2	48.1	6.6	0.0	98.7
03/11/15	17:00:00	86.5	1706.7	48.9	6.1	0.0	99.0
03/11/15	18:00:00	87.2	1707.0	49.7	6.2	0.0	99.2
03/11/15	19:00:00	86.3	1707.4	50.1	6.3	0.0	99.5
03/11/15	20:00:00	83.9	1707.5	50.1	6.4	0.0	99.8
03/11/15	21:00:00	79.5	1707.6	49.3	6.4	0.0	100.0
03/11/15	22:00:00	76.7	1707.3	48.0	6.3	0.0	100.3
03/11/15	23:00:00	76.9	1706.9	47.1	6.1	0.0	100.5
03/12/15	00:00:00	73.8	1707.0	45.9	6.2	0.0	100.8
03/12/15	01:00:00	73.1	1707.3	44.7	6.3	0.0	101.1
03/12/15	02:00:00	72.6	1707.6	43.6	6.4	0.0	101.3
03/12/15	03:00:00	71.7	1707.7	42.5	6.4	0.0	101.6
03/12/15	04:00:00	71.3	1707.7	41.6	6.4	0.0	101.9
03/12/15	05:00:00	71.6	1707.7	40.9	6.4	0.0	102.1
03/12/15	06:00:00	70.4	1707.7	40.1	6.4	0.0	102.4
03/12/15	07:00:00	69.3	1707.7	39.2	6.4	0.0	102.7
03/12/15	08:00:00	70.5	1707.9	38.5	6.5	0.0	102.9
03/12/15	09:00:00	73.5	1708.0	38.4	6.4	0.0	103.2
03/12/15	10:00:00	79.0	1707.9	39.1	6.2	0.0	103.5
03/12/15	11:00:00	83.7	1708.0	40.3	6.1	0.0	103.7
03/12/15	12:00:00	87.5	1708.4	41.9	6.2	0.0	104.0
03/12/15	13:00:00	91.3	1708.8	43.9	6.2	0.0	104.2
03/12/15	14:00:00	93.9	1709.1	46.2	6.2	0.0	104.5
03/12/15	15:00:00	96.1	1709.6	48.6	6.2	0.0	104.7
03/12/15	16:00:00	97.2	1709.9	51.1	6.2	0.0	105.0
03/12/15	17:00:00	96.7	1710.2	53.2	6.2	0.0	105.3
03/12/15	18:00:00	95.5	1710.4	54.8	6.2	0.0	105.5
03/12/15	19:00:00	94.1	1710.6	56.1	6.3	0.0	105.8
03/12/15	20:00:00	89.9	1710.8	56.4	6.3	0.0	106.0
03/12/15	21:00:00	85.9	1710.9	55.7	6.3	0.0	106.3
03/12/15	22:00:00	84.5	1711.0	54.8	6.3	0.0	106.6
03/12/15	23:00:00	82.5	1714.5	53.8	7.5	0.0	106.9
03/13/15	00:00:00	82.6	1716.3	52.6	8.0	0.0	107.2
03/13/15	01:00:00	82.4	1716.3	52.1	7.7	0.0	107.5
03/13/15	02:00:00	78.0	1710.2	51.1	5.5	0.0	107.8
03/13/15	03:00:00	74.0	1703.4	51.0	2.7	0.0	107.9
03/13/15	04:00:00	76.1	1714.1	49.8	7.6	0.0	108.2
03/13/15	05:00:00	77.3	1712.1	48.4	6.5	0.0	108.5
03/13/15	06:00:00	75.7	1710.2	47.7	5.9	0.0	108.7
03/13/15	07:00:00	75.4	1710.2	46.9	6.0	0.0	109.0
03/13/15	08:00:00	75.0	1710.2	46.3	6.0	0.0	109.2
03/13/15	09:00:00	75.4	1710.2	45.6	5.9	0.0	109.5
03/13/15	10:00:00	81.7	1710.1	46.2	5.8	0.0	109.7
03/13/15	11:00:00	85.7	1711.2	47.5	6.1	0.0	110.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/13/15	12:00:00	90.5	1715.2	48.9	7.4	0.0	110.3
03/13/15	13:00:00	95.7	1713.3	51.7	6.6	0.0	110.5
03/13/15	14:00:00	99.6	1716.9	55.4	7.6	0.0	110.8
03/13/15	15:00:00	103.2	1717.4	59.9	7.4	0.0	111.2
03/13/15	16:00:00	103.0	1718.9	64.3	7.7	0.0	111.5
03/13/15	17:00:00	102.0	1719.4	68.0	7.8	0.0	111.8
03/13/15	18:00:00	99.5	1719.9	70.9	7.8	0.0	112.1
03/13/15	19:00:00	96.3	1719.2	72.2	7.5	0.0	112.4
03/13/15	20:00:00	93.5	1720.9	72.3	8.0	0.0	112.8
03/13/15	21:00:00	88.4	1721.1	70.9	7.9	0.0	113.1
03/13/15	22:00:00	87.2	1720.7	69.1	7.8	0.0	113.4
03/13/15	23:00:00	86.2	1718.0	67.6	6.7	0.0	113.7
03/14/15	00:00:00	86.6	1717.6	66.9	6.7	0.0	114.0
03/14/15	01:00:00	85.6	1721.1	65.9	7.9	0.0	114.3
03/14/15	02:00:00	83.1	1720.8	64.3	7.7	0.0	114.6
03/14/15	03:00:00	81.3	1720.8	62.3	7.7	0.0	115.0
03/14/15	04:00:00	81.7	1721.5	60.8	7.9	0.0	115.3
03/14/15	05:00:00	78.5	1721.1	58.8	7.8	0.0	115.6
03/14/15	06:00:00	79.2	1721.4	57.0	7.8	0.0	115.9
03/14/15	07:00:00	78.4	1722.1	55.7	8.0	0.0	116.3
03/14/15	08:00:00	76.8	1722.1	53.9	8.0	0.0	116.6
03/14/15	09:00:00	80.8	1722.1	53.1	7.9	0.0	116.9
03/14/15	10:00:00	85.9	1721.8	54.4	7.7	0.0	117.2
03/14/15	11:00:00	89.2	1722.3	56.0	7.7	0.0	117.6
03/14/15	12:00:00	90.9	1722.4	57.9	7.6	0.0	117.9
03/14/15	13:00:00	100.5	1723.0	62.0	7.7	0.0	118.2
03/14/15	14:00:00	106.3	1724.1	68.7	7.8	0.0	118.5
03/14/15	15:00:00	112.7	1715.8	74.5	4.2	0.0	118.7
03/14/15	16:00:00	115.3	1713.0	77.7	3.4	0.0	118.9
03/14/15	17:00:00	113.0	1712.1	80.6	3.4	0.0	119.0
03/14/15	18:00:00	109.9	1711.7	82.4	3.6	0.0	119.1
03/14/15	19:00:00	102.3	1714.0	83.3	4.9	0.0	119.3
03/14/15	20:00:00	98.0	1716.0	83.3	5.6	0.0	119.6
03/14/15	21:00:00	93.9	1716.3	82.1	5.7	0.0	119.8
03/14/15	22:00:00	91.0	1716.6	80.3	5.8	0.0	120.1
03/14/15	23:00:00	91.1	1716.0	78.9	5.5	0.0	120.3
03/15/15	00:00:00	86.9	1716.9	76.8	6.1	0.0	120.5
03/15/15	01:00:00	84.7	1716.1	74.5	5.6	0.0	120.8
03/15/15	02:00:00	83.7	1716.7	72.0	6.0	0.0	121.0
03/15/15	03:00:00	83.9	1716.8	70.3	6.0	0.0	121.3
03/15/15	04:00:00	82.8	1716.7	68.7	6.0	0.0	121.5
03/15/15	05:00:00	81.9	1716.7	67.1	5.9	0.0	121.8
03/15/15	06:00:00	81.4	1716.7	65.5	6.0	0.0	122.0
03/15/15	07:00:00	82.8	1716.8	64.4	6.0	0.0	122.3
03/15/15	08:00:00	82.7	1716.8	63.9	6.0	0.0	122.5
03/15/15	09:00:00	81.7	1715.5	62.9	5.4	0.0	122.7
03/15/15	10:00:00	87.3	1713.9	63.6	4.8	0.0	122.9
03/15/15	11:00:00	91.8	1717.1	65.2	6.1	0.0	123.2
03/15/15	12:00:00	94.5	1712.4	67.0	3.9	0.0	123.4
03/15/15	13:00:00	94.9	1708.8	68.4	2.1	0.0	123.5
03/15/15	14:00:00	97.8	1708.3	70.0	2.3	0.0	123.5
03/15/15	15:00:00	99.6	1714.3	72.3	5.5	0.0	123.8
03/15/15	16:00:00	96.8	1713.3	73.6	4.9	0.0	124.0
03/15/15	17:00:00	95.3	1716.1	74.1	5.9	0.0	124.2
03/15/15	18:00:00	94.7	1716.5	74.8	5.9	0.0	124.5
03/15/15	19:00:00	91.2	1716.8	74.5	6.0	0.0	124.7
03/15/15	20:00:00	84.2	1717.1	72.1	6.1	0.0	125.0
03/15/15	21:00:00	82.8	1717.2	69.5	6.1	0.0	125.2
03/15/15	22:00:00	82.7	1717.3	67.6	6.1	0.0	125.5
03/15/15	23:00:00	80.0	1717.4	65.4	6.2	0.0	125.7
03/16/15	00:00:00	79.7	1717.5	63.5	6.2	0.0	126.0
03/16/15	01:00:00	78.5	1717.4	61.8	6.1	0.0	126.3
03/16/15	02:00:00	77.6	1714.2	60.6	4.6	0.0	126.4
03/16/15	03:00:00	76.8	1715.0	59.8	5.3	0.0	126.7
03/16/15	04:00:00	76.4	1716.9	58.0	6.1	0.0	126.9
03/16/15	05:00:00	75.6	1717.1	56.3	6.1	0.0	127.2
03/16/15	06:00:00	74.9	1717.2	54.9	6.1	0.0	127.4

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/16/15	07:00:00	74.2	1717.2	53.4	6.1	0.0	127.7
03/16/15	08:00:00	75.2	1717.3	52.4	6.1	0.0	127.9
03/16/15	09:00:00	75.9	1717.3	51.7	6.1	0.0	128.2
03/16/15	10:00:00	76.7	1717.5	51.2	6.1	0.0	128.4
03/16/15	11:00:00	81.0	1717.7	51.6	6.1	0.0	128.7
03/16/15	12:00:00	84.1	1717.9	52.5	6.1	0.0	129.0
03/16/15	13:00:00	88.1	1718.0	54.0	6.0	0.0	129.2
03/16/15	14:00:00	91.0	1717.4	55.9	5.5	0.0	129.4
03/16/15	15:00:00	94.6	1724.1	58.5	7.9	0.0	129.8
03/16/15	16:00:00	96.0	1720.6	60.7	6.8	0.9	130.0
03/16/15	17:00:00	94.4	1725.3	62.9	8.1	0.0	130.3
03/16/15	18:00:00	93.4	1726.0	64.6	8.1	0.0	130.7
03/16/15	19:00:00	91.0	1726.6	65.4	8.1	0.0	131.0
03/16/15	20:00:00	87.9	1726.6	65.1	7.9	0.0	131.4
03/16/15	21:00:00	84.2	1727.2	63.9	8.1	0.0	131.7
03/16/15	22:00:00	81.8	1727.6	61.9	8.2	0.0	132.0
03/16/15	23:00:00	81.5	1727.8	60.3	8.2	0.0	132.4
03/17/15	00:00:00	81.1	1727.9	59.2	8.2	0.0	132.7
03/17/15	01:00:00	80.7	1728.2	58.0	8.2	0.0	133.1
03/17/15	02:00:00	81.0	1728.5	57.3	8.2	0.0	133.4
03/17/15	03:00:00	79.3	1728.3	56.2	8.1	0.0	133.7
03/17/15	04:00:00	81.8	1728.5	55.7	8.1	0.0	134.1
03/17/15	05:00:00	80.7	1728.7	55.4	8.1	0.0	134.4
03/17/15	06:00:00	77.9	1728.8	54.1	8.1	0.0	134.7
03/17/15	07:00:00	76.0	1728.9	52.5	8.1	0.0	135.1
03/17/15	08:00:00	74.7	1729.0	50.8	8.2	0.0	135.4
03/17/15	09:00:00	77.7	1729.3	49.8	8.1	0.0	135.8
03/17/15	10:00:00	83.8	1729.4	50.8	8.0	0.0	136.1
03/17/15	11:00:00	87.4	1729.7	52.5	8.0	0.0	136.4
03/17/15	12:00:00	90.0	1730.0	54.7	8.0	0.0	136.8
03/17/15	13:00:00	92.6	1730.5	57.3	8.0	0.0	137.1
03/17/15	14:00:00	95.1	1731.3	60.4	8.1	0.0	137.4
03/17/15	15:00:00	96.8	1731.8	63.9	8.1	0.0	137.8
03/17/15	16:00:00	97.6	1732.1	67.4	8.1	0.0	138.1
03/17/15	17:00:00	97.6	1732.3	70.7	8.0	0.0	138.4
03/17/15	18:00:00	96.9	1732.6	73.6	8.0	0.0	138.8
03/17/15	19:00:00	93.4	1732.9	75.0	8.0	0.0	139.1
03/17/15	20:00:00	88.5	1733.2	74.0	8.2	0.0	139.4
03/17/15	21:00:00	86.3	1733.2	72.0	8.1	0.0	139.8
03/17/15	22:00:00	84.8	1732.9	70.2	8.0	0.0	140.1
03/17/15	23:00:00	83.2	1733.2	68.3	8.1	0.0	140.5
03/18/15	00:00:00	82.6	1733.3	66.5	8.1	0.0	140.8
03/18/15	01:00:00	81.2	1733.4	64.7	8.2	0.0	141.1
03/18/15	02:00:00	79.3	1732.8	62.6	8.0	0.0	141.5
03/18/15	03:00:00	75.6	1732.2	60.0	7.8	0.0	141.8
03/18/15	04:00:00	73.5	1732.9	56.9	8.2	0.0	142.1
03/18/15	05:00:00	73.5	1733.0	54.4	8.2	0.0	142.5
03/18/15	06:00:00	72.5	1732.8	52.2	8.1	0.0	142.8
03/18/15	07:00:00	71.6	1727.6	50.8	6.2	0.0	143.1
03/18/15	08:00:00	70.2	1726.9	49.9	6.1	0.0	143.3
03/18/15	09:00:00	73.5	1725.0	49.3	5.2	0.0	143.5
03/18/15	10:00:00	81.8	1722.6	51.2	4.2	0.0	143.7
03/18/15	11:00:00	86.6	1726.3	52.8	6.1	0.0	144.0
03/18/15	12:00:00	89.9	1726.6	54.6	6.1	0.0	144.2
03/18/15	13:00:00	92.6	1726.8	56.8	6.0	0.0	144.5
03/18/15	14:00:00	95.6	1727.3	59.4	6.1	0.0	144.7
03/18/15	15:00:00	97.9	1727.7	62.3	6.2	0.0	145.0
03/18/15	16:00:00	99.4	1728.1	65.4	6.2	0.0	145.3
03/18/15	17:00:00	99.2	1728.3	68.3	6.2	0.0	145.5
03/18/15	18:00:00	98.0	1728.4	70.7	6.2	0.0	145.8
03/18/15	19:00:00	94.0	1727.8	71.7	6.0	0.0	146.0
03/18/15	20:00:00	87.7	1728.1	70.5	6.2	0.0	146.3
03/18/15	21:00:00	85.3	1728.3	68.8	6.3	0.0	146.5
03/18/15	22:00:00	83.0	1728.4	66.9	6.4	0.0	146.8
03/18/15	23:00:00	81.5	1728.4	64.9	6.4	0.0	147.1
03/19/15	00:00:00	80.1	1728.4	63.0	6.4	0.0	147.3
03/19/15	01:00:00	80.9	1728.3	61.8	6.3	0.0	147.6

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/19/15	02:00:00	78.9	1728.2	60.5	6.4	0.0	147.9
03/19/15	03:00:00	76.3	1728.2	58.6	6.4	0.0	148.1
03/19/15	04:00:00	75.2	1728.2	56.7	6.4	0.0	148.4
03/19/15	05:00:00	74.7	1728.1	55.2	6.5	0.0	148.7
03/19/15	06:00:00	72.4	1728.0	53.4	6.5	0.0	148.9
03/19/15	07:00:00	69.9	1727.2	51.6	6.2	0.0	149.2
03/19/15	08:00:00	68.5	1726.4	49.7	5.7	0.0	149.4
03/19/15	09:00:00	69.7	1719.4	50.6	2.2	0.0	149.5
03/19/15	10:00:00	75.9	1719.8	52.5	3.0	0.0	149.7
03/19/15	11:00:00	82.7	1723.4	53.4	5.1	0.0	149.9
03/19/15	12:00:00	88.8	1726.2	54.4	6.1	0.0	150.1
03/19/15	13:00:00	93.2	1726.8	56.5	6.1	0.0	150.4
03/19/15	14:00:00	96.4	1727.6	59.3	6.3	0.0	150.6
03/19/15	15:00:00	100.5	1728.1	62.7	6.2	0.0	150.9
03/19/15	16:00:00	102.6	1727.6	66.6	5.8	0.0	151.1
03/19/15	17:00:00	102.6	1723.1	69.1	3.8	0.0	151.3
03/19/15	18:00:00	99.9	1726.2	71.2	5.3	0.0	151.5
03/19/15	19:00:00	96.9	1728.4	72.8	6.2	0.0	151.8
03/19/15	20:00:00	93.0	1728.6	72.9	6.2	0.0	152.0
03/19/15	21:00:00	88.7	1728.9	71.9	6.2	0.0	152.3
03/19/15	22:00:00	86.2	1729.1	70.1	6.3	0.0	152.6
03/19/15	23:00:00	86.1	1729.2	68.8	6.2	0.0	152.8
03/20/15	00:00:00	81.9	1729.1	67.2	6.3	0.0	153.1
03/20/15	01:00:00	80.5	1727.8	64.9	5.6	0.0	153.3
03/20/15	02:00:00	77.5	1724.3	63.8	4.2	0.0	153.5
03/20/15	03:00:00	74.8	1728.6	61.3	6.4	0.0	153.8
03/20/15	04:00:00	73.8	1728.8	58.4	6.4	0.0	154.0
03/20/15	05:00:00	75.1	1728.8	56.6	6.4	0.0	154.3
03/20/15	06:00:00	74.3	1728.9	55.0	6.4	0.0	154.6
03/20/15	07:00:00	72.5	1728.9	53.3	6.4	0.0	154.8
03/20/15	08:00:00	71.3	1729.1	51.5	6.5	0.0	155.1
03/20/15	09:00:00	77.1	1729.4	51.0	6.5	0.0	155.4
03/20/15	10:00:00	81.9	1729.0	51.8	6.1	0.0	155.6
03/20/15	11:00:00	85.8	1728.5	53.3	5.8	0.0	155.9
03/20/15	12:00:00	90.8	1726.7	55.5	5.0	0.0	156.1
03/20/15	13:00:00	95.2	1729.6	58.4	6.1	0.0	156.3
03/20/15	14:00:00	95.7	1729.9	61.1	6.2	0.0	156.6
03/20/15	15:00:00	96.1	1730.5	63.5	6.3	0.0	156.8
03/20/15	16:00:00	96.8	1730.9	66.0	6.3	0.0	157.1
03/20/15	17:00:00	96.1	1731.3	67.9	6.4	0.0	157.4
03/20/15	18:00:00	94.5	1731.5	69.4	6.4	0.0	157.6
03/20/15	19:00:00	91.3	1731.7	69.8	6.4	0.0	157.9
03/20/15	20:00:00	86.5	1731.7	68.8	6.4	0.0	158.2
03/20/15	21:00:00	83.1	1731.7	66.8	6.4	0.0	158.4
03/20/15	22:00:00	81.3	1731.7	64.8	6.4	0.0	158.7
03/20/15	23:00:00	79.5	1731.8	63.0	6.4	0.0	159.0
03/21/15	00:00:00	78.4	1731.8	61.1	6.5	0.0	159.2
03/21/15	01:00:00	79.8	1731.8	59.9	6.4	0.0	159.5
03/21/15	02:00:00	79.4	1731.8	59.0	6.4	0.0	159.8
03/21/15	03:00:00	80.8	1731.8	58.4	6.4	0.0	160.0
03/21/15	04:00:00	80.8	1731.9	58.1	6.4	0.0	160.3
03/21/15	05:00:00	78.2	1731.8	57.2	6.4	0.0	160.6
03/21/15	06:00:00	76.0	1731.9	55.7	6.4	0.0	160.8
03/21/15	07:00:00	76.7	1732.0	54.7	6.4	0.0	161.1
03/21/15	08:00:00	75.5	1731.9	53.5	6.4	0.0	161.4
03/21/15	09:00:00	78.8	1731.5	53.1	6.1	0.0	161.6
03/21/15	10:00:00	83.2	1731.7	54.1	6.2	0.0	161.9
03/21/15	11:00:00	88.0	1732.2	55.5	6.3	0.0	162.1
03/21/15	12:00:00	91.5	1732.6	57.6	6.4	0.0	162.4
03/21/15	13:00:00	95.2	1732.8	60.4	6.3	0.0	162.7
03/21/15	14:00:00	97.5	1733.1	63.5	6.2	0.0	162.9
03/21/15	15:00:00	98.2	1733.6	66.6	6.3	0.0	163.2
03/21/15	16:00:00	98.7	1733.7	69.5	6.3	0.0	163.5
03/21/15	17:00:00	95.0	1733.0	71.0	5.9	0.0	163.7
03/21/15	18:00:00	96.8	1734.1	72.8	6.3	0.0	164.0
03/21/15	19:00:00	94.4	1734.4	73.9	6.4	0.0	164.2
03/21/15	20:00:00	90.1	1734.4	73.6	6.4	0.0	164.5

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/21/15	21:00:00	86.4	1734.6	72.0	6.4	0.0	164.8
03/21/15	22:00:00	84.9	1734.7	70.2	6.4	0.0	165.0
03/21/15	23:00:00	84.5	1734.6	68.8	6.4	0.0	165.3
03/22/15	00:00:00	83.6	1734.7	67.6	6.5	0.0	165.6
03/22/15	01:00:00	82.9	1734.7	66.4	6.4	0.0	165.8
03/22/15	02:00:00	81.2	1734.7	65.1	6.4	0.0	166.1
03/22/15	03:00:00	79.1	1734.7	63.3	6.5	0.0	166.4
03/22/15	04:00:00	79.3	1734.7	61.8	6.5	0.0	166.6
03/22/15	05:00:00	78.9	1734.7	60.5	6.5	0.0	166.9
03/22/15	06:00:00	78.6	1734.6	59.6	6.4	0.0	167.2
03/22/15	07:00:00	77.3	1734.5	58.3	6.4	0.0	167.4
03/22/15	08:00:00	76.9	1734.7	57.1	6.4	0.0	167.7
03/22/15	09:00:00	78.8	1734.8	56.3	6.4	0.0	168.0
03/22/15	10:00:00	85.6	1735.1	57.5	6.4	0.0	168.3
03/22/15	11:00:00	87.8	1735.2	58.8	6.5	0.0	168.5
03/22/15	12:00:00	90.3	1735.2	60.7	6.4	0.0	168.8
03/22/15	13:00:00	92.5	1735.6	62.7	6.4	0.0	169.1
03/22/15	14:00:00	91.8	1735.7	64.5	6.3	0.0	169.3
03/22/15	15:00:00	96.0	1735.5	66.7	6.0	0.0	169.6
03/22/15	16:00:00	95.4	1736.1	69.2	6.3	0.0	169.8
03/22/15	17:00:00	94.4	1736.4	70.8	6.4	0.0	170.1
03/22/15	18:00:00	93.3	1736.6	72.0	6.4	0.0	170.4
03/22/15	19:00:00	89.1	1736.8	71.8	6.5	0.0	170.6
03/22/15	20:00:00	85.7	1736.7	70.4	6.4	0.0	170.9
03/22/15	21:00:00	84.0	1736.7	68.8	6.4	0.0	171.2
03/22/15	22:00:00	83.0	1736.7	67.3	6.4	0.0	171.4
03/22/15	23:00:00	82.1	1736.8	65.9	6.4	0.0	171.7
03/23/15	00:00:00	79.8	1736.7	64.4	6.4	0.0	172.0
03/23/15	01:00:00	78.8	1736.7	62.6	6.5	0.0	172.2
03/23/15	02:00:00	78.5	1736.5	61.2	6.4	0.0	172.5
03/23/15	03:00:00	79.6	1736.5	60.3	6.3	0.0	172.8
03/23/15	04:00:00	79.2	1736.8	59.4	6.5	0.0	173.0
03/23/15	05:00:00	78.1	1736.8	58.6	6.4	0.0	173.3
03/23/15	06:00:00	73.9	1736.5	56.7	6.4	0.0	173.6
03/23/15	07:00:00	74.9	1736.4	55.2	6.3	0.0	173.8
03/23/15	08:00:00	74.1	1735.5	54.2	5.9	0.0	174.1
03/23/15	09:00:00	78.7	1736.7	53.9	6.4	0.0	174.3
03/23/15	10:00:00	82.4	1737.0	54.5	6.5	0.0	174.6
03/23/15	11:00:00	84.9	1737.2	55.5	6.5	0.0	174.9
03/23/15	12:00:00	87.6	1737.5	56.9	6.5	0.0	175.2
03/23/15	13:00:00	89.2	1737.6	58.6	6.4	0.0	175.4
03/23/15	14:00:00	89.8	1737.9	60.0	6.5	0.0	175.7
03/23/15	15:00:00	92.6	1738.1	62.0	6.4	0.0	176.0
03/23/15	16:00:00	92.3	1738.4	63.7	6.4	0.0	176.2
03/23/15	17:00:00	92.1	1738.6	65.3	6.5	0.0	176.5
03/23/15	18:00:00	90.6	1738.9	66.3	6.5	0.0	176.8
03/23/15	19:00:00	87.1	1739.0	66.1	6.5	0.0	177.0
03/23/15	20:00:00	82.7	1739.0	64.7	6.6	0.0	177.3
03/23/15	21:00:00	81.3	1738.9	63.1	6.5	0.0	177.6
03/23/15	22:00:00	80.2	1738.8	61.7	6.5	0.0	177.9
03/23/15	23:00:00	79.4	1738.9	60.4	6.5	0.0	178.1
03/24/15	00:00:00	78.7	1738.9	59.1	6.5	0.0	178.4
03/24/15	01:00:00	77.9	1738.9	57.9	6.5	0.0	178.7
03/24/15	02:00:00	76.7	1738.7	56.7	6.5	0.0	178.9
03/24/15	03:00:00	74.7	1738.7	55.2	6.4	0.0	179.2
03/24/15	04:00:00	74.8	1738.7	53.9	6.5	0.0	179.5
03/24/15	05:00:00	76.6	1738.8	53.3	6.4	0.0	179.7
03/24/15	06:00:00	76.5	1738.6	52.7	6.4	0.0	180.0
03/24/15	07:00:00	76.0	1738.6	52.2	6.4	0.0	180.3
03/24/15	08:00:00	75.4	1738.7	51.3	6.4	0.0	180.5
03/24/15	09:00:00	79.4	1738.9	51.4	6.4	0.0	180.8
03/24/15	10:00:00	82.7	1739.1	52.2	6.4	0.0	181.1
03/24/15	11:00:00	86.7	1739.4	53.6	6.4	0.0	181.3
03/24/15	12:00:00	88.9	1739.5	55.3	6.3	0.0	181.6
03/24/15	13:00:00	91.5	1739.8	57.4	6.3	0.0	181.9
03/24/15	14:00:00	92.5	1740.0	59.5	6.3	0.0	182.1
03/24/15	15:00:00	93.7	1740.4	61.5	6.3	0.0	182.4

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/24/15	16:00:00	94.1	1740.5	63.7	6.3	0.0	182.7
03/24/15	17:00:00	92.6	1740.8	65.0	6.4	0.0	182.9
03/24/15	18:00:00	92.7	1740.9	66.3	6.4	0.0	183.2
03/24/15	19:00:00	90.7	1741.0	67.0	6.4	0.0	183.5
03/24/15	20:00:00	86.9	1738.3	66.8	5.0	0.0	183.7
03/24/15	21:00:00	82.7	1740.8	65.3	6.4	0.0	183.9
03/24/15	22:00:00	82.3	1741.0	63.8	6.4	0.0	184.2
03/24/15	23:00:00	81.0	1741.1	62.4	6.5	0.0	184.5
03/25/15	00:00:00	79.6	1741.0	61.0	6.4	0.0	184.7
03/25/15	01:00:00	78.2	1741.0	59.5	6.4	0.0	185.0
03/25/15	02:00:00	77.3	1740.9	58.1	6.4	0.0	185.3
03/25/15	03:00:00	77.1	1741.0	56.8	6.4	0.0	185.5
03/25/15	04:00:00	77.1	1741.0	55.8	6.4	0.0	185.8
03/25/15	05:00:00	76.7	1741.0	54.9	6.4	0.0	186.1
03/25/15	06:00:00	74.9	1740.5	53.8	6.2	0.0	186.3
03/25/15	07:00:00	72.1	1739.9	52.4	6.0	0.0	186.6
03/25/15	08:00:00	73.7	1740.4	51.3	6.3	0.0	186.8
03/25/15	09:00:00	78.1	1740.1	51.3	6.0	0.0	187.1
03/25/15	10:00:00	82.3	1740.2	52.3	5.8	0.0	187.3
03/25/15	11:00:00	79.2	1730.5	54.3	0.0	0.0	187.3
03/25/15	12:00:00	86.0	1729.0	57.0	0.0	0.0	187.3
03/25/15	13:00:00	93.6	1728.1	59.2	0.0	0.0	187.3
03/25/15	14:00:00	97.6	1727.4	61.1	0.0	0.0	187.3
03/25/15	15:00:00	100.2	1726.8	62.8	0.0	0.0	187.3
03/25/15	16:00:00	102.1	1726.2	64.3	0.0	0.0	187.3
03/25/15	17:00:00	101.7	1726.2	65.8	1.2	0.5	187.4
03/25/15	18:00:00	95.5	1728.5	67.1	2.4	0.0	187.5
03/25/15	19:00:00	94.1	1727.6	67.7	1.9	0.0	187.5
03/25/15	20:00:00	89.7	1727.2	67.9	1.7	0.0	187.6
03/25/15	21:00:00	86.9	1734.2	67.2	5.4	0.0	187.8
03/25/15	22:00:00	87.2	1745.6	64.6	9.4	0.0	188.2
03/25/15	23:00:00	84.7	1747.0	62.0	9.5	0.0	188.6
03/26/15	00:00:00	85.2	1748.4	60.5	9.6	0.0	189.0
03/26/15	01:00:00	84.0	1749.2	59.6	9.6	0.0	189.4
03/26/15	02:00:00	82.0	1746.8	58.2	8.6	0.0	189.8
03/26/15	03:00:00	82.2	1749.9	57.6	9.5	0.0	190.2
03/26/15	04:00:00	81.7	1751.8	56.7	9.9	0.0	190.6
03/26/15	05:00:00	78.5	1752.8	54.9	10.1	0.0	191.0
03/26/15	06:00:00	78.7	1753.1	53.6	10.0	0.0	191.4
03/26/15	07:00:00	75.4	1752.8	51.7	9.8	0.0	191.8
03/26/15	08:00:00	77.1	1753.5	50.2	9.9	0.0	192.2
03/26/15	09:00:00	79.0	1753.8	50.0	9.8	0.0	192.7
03/26/15	10:00:00	87.7	1752.0	51.7	8.9	0.0	193.0
03/26/15	11:00:00	94.5	1747.0	55.6	6.9	0.0	193.3
03/26/15	12:00:00	98.5	1754.5	60.6	9.5	0.0	193.7
03/26/15	13:00:00	101.6	1755.6	67.0	9.4	0.0	194.1
03/26/15	14:00:00	105.1	1751.5	73.4	7.8	0.0	194.4
03/26/15	15:00:00	106.2	1753.6	80.1	8.4	0.0	194.8
03/26/15	16:00:00	106.1	1757.4	88.3	9.4	0.0	195.2
03/26/15	17:00:00	105.9	1758.6	96.3	9.5	0.0	195.6
03/26/15	18:00:00	105.5	1759.3	103.7	9.6	0.0	196.0
03/26/15	19:00:00	105.1	1760.2	111.0	9.6	0.0	196.4
03/26/15	20:00:00	99.2	1760.5	114.1	9.6	0.0	196.8
03/26/15	21:00:00	92.6	1760.8	110.9	9.6	0.0	197.2
03/26/15	22:00:00	90.6	1761.3	106.5	9.7	0.0	197.6
03/26/15	23:00:00	90.0	1761.7	103.2	9.8	0.0	198.0
03/27/15	00:00:00	87.5	1762.1	100.1	9.9	0.0	198.4
03/27/15	01:00:00	84.5	1762.1	94.5	9.9	0.0	198.8
03/27/15	02:00:00	83.1	1762.3	89.7	9.9	0.0	199.2
03/27/15	03:00:00	81.8	1762.3	84.9	9.9	0.0	199.6
03/27/15	04:00:00	79.9	1762.1	80.3	9.9	0.0	200.0
03/27/15	05:00:00	78.7	1762.2	75.8	9.9	0.0	200.4
03/27/15	06:00:00	77.4	1762.3	71.4	9.9	0.0	200.9
03/27/15	07:00:00	76.5	1762.4	67.6	10.0	0.0	201.3
03/27/15	08:00:00	78.0	1762.8	64.8	10.1	0.0	201.7
03/27/15	09:00:00	82.2	1762.9	63.9	10.0	0.0	202.1
03/27/15	10:00:00	90.1	1763.4	66.5	9.9	0.0	202.5

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/27/15	11:00:00	96.4	1763.7	71.5	9.8	0.0	202.9
03/27/15	12:00:00	101.7	1764.4	79.2	9.8	0.0	203.3
03/27/15	13:00:00	105.4	1764.8	88.8	9.7	0.0	203.8
03/27/15	14:00:00	107.8	1764.8	99.6	9.5	0.0	204.1
03/27/15	15:00:00	108.6	1765.3	110.6	9.4	0.0	204.5
03/27/15	16:00:00	108.6	1765.9	121.3	9.5	0.0	204.9
03/27/15	17:00:00	106.8	1766.8	130.8	9.7	0.0	205.3
03/27/15	18:00:00	103.9	1767.6	136.8	9.8	0.0	205.7
03/27/15	19:00:00	100.7	1768.2	139.2	9.8	0.0	206.2
03/27/15	20:00:00	96.6	1768.2	138.0	9.9	0.0	206.6
03/27/15	21:00:00	92.1	1768.3	133.0	9.9	0.0	207.0
03/27/15	22:00:00	88.7	1768.3	124.7	9.9	0.0	207.4
03/27/15	23:00:00	86.2	1768.5	117.7	10.0	0.0	207.8
03/28/15	00:00:00	83.7	1768.5	109.2	10.0	0.0	208.2
03/28/15	01:00:00	80.6	1768.7	100.9	10.1	0.0	208.6
03/28/15	02:00:00	82.9	1768.5	94.7	10.0	0.0	209.1
03/28/15	03:00:00	84.5	1768.7	91.9	10.1	0.0	209.5
03/28/15	04:00:00	83.6	1768.7	88.9	10.1	0.0	209.9
03/28/15	05:00:00	82.7	1768.8	85.6	10.1	0.0	210.3
03/28/15	06:00:00	81.7	1768.8	82.5	10.1	0.0	210.7
03/28/15	07:00:00	78.2	1768.8	78.1	10.1	0.0	211.2
03/28/15	08:00:00	75.8	1769.3	72.5	10.3	0.0	211.6
03/28/15	09:00:00	79.6	1768.8	69.4	10.1	0.0	212.0
03/28/15	10:00:00	85.0	1768.7	69.8	9.9	0.0	212.4
03/28/15	11:00:00	91.6	1768.6	73.0	9.8	0.0	212.8
03/28/15	12:00:00	95.4	1769.6	78.0	10.0	0.0	213.2
03/28/15	13:00:00	99.6	1769.9	84.9	9.8	0.0	213.7
03/28/15	14:00:00	102.9	1770.2	93.3	9.7	0.0	214.1
03/28/15	15:00:00	106.3	1770.7	103.7	9.7	0.0	214.5
03/28/15	16:00:00	107.2	1771.3	115.1	9.7	0.0	214.9
03/28/15	17:00:00	107.4	1772.1	126.1	9.8	0.0	215.3
03/28/15	18:00:00	106.6	1772.6	136.2	9.8	0.0	215.7
03/28/15	19:00:00	103.0	1773.3	142.6	9.9	0.0	216.1
03/28/15	20:00:00	97.9	1773.4	143.2	10.0	0.0	216.5
03/28/15	21:00:00	93.2	1771.8	138.6	9.0	0.0	216.9
03/28/15	22:00:00	84.0	1753.8	129.4	1.5	0.0	217.0
03/28/15	23:00:00	85.4	1762.9	120.8	7.2	0.0	217.3
03/29/15	00:00:00	84.7	1765.0	113.1	8.0	0.0	217.6
03/29/15	01:00:00	84.2	1765.0	106.5	8.0	0.0	217.9
03/29/15	02:00:00	84.1	1765.3	101.9	8.2	0.0	218.3
03/29/15	03:00:00	81.3	1765.3	96.9	8.3	0.0	218.6
03/29/15	04:00:00	77.6	1765.2	90.3	8.3	0.0	219.0
03/29/15	05:00:00	78.7	1765.1	85.2	8.3	0.0	219.3
03/29/15	06:00:00	76.0	1764.7	80.6	8.3	0.0	219.6
03/29/15	07:00:00	74.5	1764.6	75.7	8.3	0.0	220.0
03/29/15	08:00:00	74.7	1764.7	71.7	8.4	0.0	220.3
03/29/15	09:00:00	80.5	1764.3	70.2	8.2	0.0	220.7
03/29/15	10:00:00	89.5	1764.3	72.5	8.0	0.0	221.0
03/29/15	11:00:00	96.4	1764.6	77.3	7.9	0.0	221.3
03/29/15	12:00:00	99.8	1765.0	83.3	7.9	0.0	221.7
03/29/15	13:00:00	104.3	1765.4	90.7	7.9	0.0	222.0
03/29/15	14:00:00	107.2	1766.1	99.7	8.0	0.0	222.3
03/29/15	15:00:00	107.8	1766.6	108.9	8.0	0.0	222.7
03/29/15	16:00:00	108.9	1766.6	117.8	7.9	0.0	223.0
03/29/15	17:00:00	109.4	1767.0	126.8	7.9	0.0	223.3
03/29/15	18:00:00	108.2	1767.3	134.6	7.9	0.0	223.7
03/29/15	19:00:00	104.2	1767.9	139.2	8.0	0.0	224.0
03/29/15	20:00:00	98.0	1767.8	138.3	8.1	0.0	224.3
03/29/15	21:00:00	93.5	1768.1	133.8	8.2	0.0	224.7
03/29/15	22:00:00	90.0	1768.1	127.3	8.2	0.0	225.0
03/29/15	23:00:00	87.2	1768.1	120.4	8.3	0.0	225.4
03/30/15	00:00:00	83.7	1768.0	113.2	8.3	0.0	225.7
03/30/15	01:00:00	83.6	1767.7	106.6	8.2	0.0	226.1
03/30/15	02:00:00	83.6	1767.8	101.7	8.3	0.0	226.4
03/30/15	03:00:00	81.2	1767.8	97.0	8.3	0.0	226.7
03/30/15	04:00:00	80.0	1767.8	91.5	8.4	0.0	227.1
03/30/15	05:00:00	78.9	1767.3	87.1	8.2	0.0	227.4

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/30/15	06:00:00	76.9	1767.1	82.4	8.2	0.0	227.8
03/30/15	07:00:00	75.9	1767.1	78.0	8.3	0.0	228.1
03/30/15	08:00:00	75.1	1767.1	73.9	8.3	0.0	228.5
03/30/15	09:00:00	81.0	1767.0	72.4	8.1	0.0	228.8
03/30/15	10:00:00	90.0	1765.5	74.9	7.4	0.0	229.1
03/30/15	11:00:00	94.5	1772.7	79.4	9.7	0.0	229.5
03/30/15	12:00:00	100.2	1774.0	86.5	9.8	0.0	229.9
03/30/15	13:00:00	103.2	1774.8	95.9	9.8	0.0	230.3
03/30/15	14:00:00	104.8	1775.6	106.0	9.7	0.0	230.7
03/30/15	15:00:00	106.4	1776.5	116.7	9.8	0.0	231.1
03/30/15	16:00:00	108.9	1776.9	129.4	9.7	0.0	231.5
03/30/15	17:00:00	108.2	1777.3	142.0	9.7	0.0	232.0
03/30/15	18:00:00	104.5	1777.8	150.0	9.7	0.0	232.4
03/30/15	19:00:00	98.9	1778.5	150.9	9.9	0.0	232.8
03/30/15	20:00:00	96.2	1779.0	148.5	9.9	0.0	233.2
03/30/15	21:00:00	92.0	1779.1	143.4	10.0	0.0	233.6
03/30/15	22:00:00	86.0	1777.9	133.2	9.6	0.0	234.0
03/30/15	23:00:00	83.6	1772.9	123.1	8.2	0.0	234.3
03/31/15	00:00:00	83.2	1772.9	115.2	8.3	0.0	234.7
03/31/15	01:00:00	82.1	1773.0	107.9	8.5	0.0	235.0
03/31/15	02:00:00	85.1	1773.4	103.9	8.6	0.0	235.4
03/31/15	03:00:00	85.2	1773.2	101.1	8.6	0.0	235.8
03/31/15	04:00:00	84.1	1773.3	98.0	8.6	0.0	236.1
03/31/15	05:00:00	82.6	1773.1	94.2	8.6	0.0	236.5
03/31/15	06:00:00	81.1	1772.9	90.0	8.6	0.0	236.8
03/31/15	07:00:00	81.1	1772.7	86.4	8.5	0.0	237.2
03/31/15	08:00:00	81.9	1772.6	83.8	8.5	0.0	237.5
03/31/15	09:00:00	84.2	1772.7	82.8	8.5	0.0	237.9
03/31/15	10:00:00	87.2	1772.8	83.1	8.5	0.0	238.2
03/31/15	11:00:00	90.4	1772.7	84.9	8.4	0.0	238.6
03/31/15	12:00:00	93.7	1773.0	88.0	8.4	0.0	238.9
03/31/15	13:00:00	96.2	1773.2	92.3	8.3	0.0	239.3
03/31/15	14:00:00	98.1	1773.4	97.1	8.2	0.0	239.6
03/31/15	15:00:00	99.6	1773.7	102.2	8.3	0.0	240.0
03/31/15	16:00:00	99.6	1774.0	107.2	8.3	0.0	240.3
03/31/15	17:00:00	98.5	1774.3	110.9	8.3	0.0	240.7
03/31/15	18:00:00	97.6	1774.5	113.5	8.3	0.0	241.0
03/31/15	19:00:00	95.2	1774.9	114.7	8.4	0.0	241.4
03/31/15	20:00:00	89.9	1774.9	112.5	8.5	0.0	241.7
03/31/15	21:00:00	85.6	1775.0	107.1	8.5	0.0	242.1
03/31/15	22:00:00	82.1	1775.0	100.3	8.6	0.0	242.4
03/31/15	23:00:00	80.7	1775.1	94.6	8.7	0.0	242.8
04/01/15	00:00:00	78.4	1775.0	88.6	8.7	0.0	243.2
04/01/15	01:00:00	77.7	1774.9	83.5	8.7	0.0	243.5
04/01/15	02:00:00	76.9	1774.6	79.1	8.6	0.0	243.9
04/01/15	03:00:00	75.7	1774.5	75.1	8.6	0.0	244.2
04/01/15	04:00:00	73.6	1774.5	70.9	8.8	0.0	244.6
04/01/15	05:00:00	72.2	1774.4	66.9	8.7	0.0	245.0
04/01/15	06:00:00	71.7	1774.2	63.2	8.7	0.0	245.3
04/01/15	07:00:00	70.8	1774.1	60.2	8.8	0.0	245.7
04/01/15	08:00:00	57.0	1759.1	61.6	0.3	0.0	245.7
04/01/15	09:00:00	52.3	1756.8	66.6	0.0	0.0	245.7
04/01/15	10:00:00	58.1	1755.8	70.1	0.0	0.0	245.7
04/01/15	11:00:00	67.9	1754.9	72.9	0.0	0.0	245.7
04/01/15	12:00:00	76.4	1754.1	75.4	0.0	0.0	245.7
04/01/15	13:00:00	78.4	1753.4	77.5	0.0	0.0	245.7
04/01/15	14:00:00	80.1	1752.8	79.3	0.0	0.0	245.7
04/01/15	15:00:00	84.8	1752.2	80.8	0.0	0.0	245.7
04/01/15	16:00:00	88.5	1751.5	82.2	0.0	0.0	245.7
04/01/15	17:00:00	86.0	1751.0	83.5	0.0	0.0	245.7
04/01/15	18:00:00	81.8	1750.5	84.5	0.0	0.0	245.7
04/01/15	19:00:00	73.6	1750.2	85.4	0.0	0.0	245.7
04/01/15	20:00:00	64.1	1749.6	86.1	0.0	0.0	245.7
04/01/15	21:00:00	58.4	1749.3	86.7	0.0	0.0	245.7
04/01/15	22:00:00	55.3	1748.9	87.2	0.0	0.0	245.7
04/01/15	23:00:00	52.4	1748.6	87.7	0.0	0.0	245.7
04/02/15	00:00:00	52.4	1748.2	88.1	0.0	0.0	245.7

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
04/02/15	01:00:00	51.5	1747.9	88.5	0.0	0.0	245.7
04/02/15	02:00:00	50.1	1747.6	88.8	0.0	0.0	245.7
04/02/15	03:00:00	50.0	1747.3	89.1	0.0	0.0	245.7
04/02/15	04:00:00	50.4	1747.0	89.4	0.0	0.0	245.7
04/02/15	05:00:00	50.2	1746.7	89.7	0.0	0.0	245.7
04/02/15	06:00:00	49.2	1746.5	89.9	0.0	0.0	245.7
04/02/15	07:00:00	48.6	1746.3	90.1	0.0	0.0	245.7
04/02/15	08:00:00	48.6	1746.0	90.3	0.0	0.0	245.7
04/02/15	09:00:00	51.4	1745.8	90.7	0.0	0.0	245.7
04/02/15	10:00:00	57.5	1745.6	91.0	0.0	0.0	245.7
04/02/15	11:00:00	67.6	1745.3	91.4	0.0	0.0	245.7
04/02/15	12:00:00	77.6	1745.0	92.0	0.0	0.0	245.7
04/02/15	13:00:00	82.6	1744.8	92.5	0.0	0.0	245.7
04/02/15	14:00:00	86.5	1744.6	92.9	0.0	0.0	245.7
04/02/15	15:00:00	87.7	1744.4	93.4	0.0	0.0	245.7
04/02/15	16:00:00	87.5	1744.2	93.8	0.0	0.0	245.7
04/02/15	17:00:00	84.4	1744.0	94.2	0.0	0.0	245.7
04/02/15	18:00:00	79.7	1743.9	94.4	0.0	0.0	245.7
04/02/15	19:00:00	74.0	1743.9	94.6	0.0	0.0	245.7
04/02/15	20:00:00	67.5	1743.5	94.7	0.0	0.0	245.7
04/02/15	21:00:00	60.5	1743.4	94.8	0.0	0.0	245.7
04/02/15	22:00:00	56.2	1743.3	94.8	0.0	0.0	245.7
04/02/15	23:00:00	54.0	1743.2	94.8	0.0	0.0	245.7
04/03/15	00:00:00	53.2	1743.1	94.8	0.0	0.0	245.7
04/03/15	01:00:00	51.8	1743.0	94.8	0.0	0.0	245.7
04/03/15	02:00:00	50.6	1742.8	94.8	0.0	0.0	245.7
04/03/15	03:00:00	49.2	1742.7	94.8	0.0	0.0	245.7
04/03/15	04:00:00	46.4	1742.6	94.8	0.0	0.0	245.7
04/03/15	05:00:00	43.7	1742.5	94.7	0.0	0.0	245.7
04/03/15	06:00:00	44.4	1742.5	94.7	0.0	0.0	245.7
04/03/15	07:00:00	44.0	1742.3	94.7	0.0	0.0	245.7
04/03/15	08:00:00	(2)	(2)	(2)	0.0	0.0	245.7
04/03/15	09:00:00	50.0	1742.0	95.0	4.6	4.5	245.7
04/03/15	10:00:00	64.5	1742.2	95.1	3.1	6.2	245.6
04/03/15	11:00:00	85.6	1762.1	88.0	9.6	0.0	246.0
04/03/15	12:00:00	91.5	1764.5	81.6	9.8	0.0	246.4
04/03/15	13:00:00	97.1	1765.9	82.3	9.7	0.0	246.8
04/03/15	14:00:00	100.0	1767.3	85.8	9.7	0.0	247.2
04/03/15	15:00:00	102.2	1768.4	91.2	9.6	0.0	247.6
04/03/15	16:00:00	103.5	1767.8	97.4	8.8	0.0	248.0
04/03/15	17:00:00	102.7	1769.3	102.3	9.2	0.0	248.3
04/03/15	18:00:00	102.2	1771.3	107.6	9.5	0.0	248.7
04/03/15	19:00:00	98.9	1772.5	110.9	9.6	0.0	249.1
04/03/15	20:00:00	91.8	1772.9	108.9	9.7	0.0	249.5
04/03/15	21:00:00	87.1	1773.9	102.9	9.8	0.0	250.0
04/03/15	22:00:00	83.3	1775.0	96.2	10.0	0.0	250.4
04/03/15	23:00:00	79.7	1775.7	88.7	10.2	0.0	250.8
04/04/15	00:00:00	76.2	1775.8	81.0	10.2	0.0	251.2
04/04/15	01:00:00	77.4	1775.9	75.3	10.1	0.0	251.6
04/04/15	02:00:00	78.8	1776.0	71.7	10.0	0.0	252.1
04/04/15	03:00:00	79.8	1776.4	69.8	10.0	0.0	252.5
04/04/15	04:00:00	77.4	1776.6	66.9	10.0	0.0	252.9
04/04/15	05:00:00	75.9	1776.9	63.7	10.1	0.0	253.3
04/04/15	06:00:00	72.8	1776.9	60.3	10.0	0.0	253.7
04/04/15	07:00:00	70.2	1776.8	56.1	10.0	0.0	254.2
04/04/15	08:00:00	74.9	1777.0	54.0	9.9	0.0	254.6
04/04/15	09:00:00	79.7	1777.0	54.2	9.8	0.0	255.0
04/04/15	10:00:00	85.6	1777.8	56.2	9.9	0.0	255.4
04/04/15	11:00:00	89.1	1778.7	59.1	9.9	0.0	255.8
04/04/15	12:00:00	91.6	1778.4	62.5	9.6	0.0	256.2
04/04/15	13:00:00	95.6	1778.6	67.1	9.5	0.0	256.6
04/04/15	14:00:00	98.2	1779.3	72.8	9.5	0.0	257.0
04/04/15	15:00:00	99.8	1779.8	78.9	9.4	0.0	257.4
04/04/15	16:00:00	100.6	1780.4	85.3	9.4	0.0	257.8
04/04/15	17:00:00	99.6	1778.3	90.9	8.6	0.0	258.1
04/04/15	18:00:00	93.7	1779.8	92.2	9.2	0.0	258.5
04/04/15	19:00:00	89.4	1782.0	90.7	9.8	0.0	258.9

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/04/15	20:00:00	86.9	1781.9	88.1	9.6	0.0	259.3
04/04/15	21:00:00	85.4	1782.7	85.4	9.9	0.0	259.7
04/04/15	22:00:00	84.4	1782.9	82.7	9.9	0.0	260.2
04/04/15	23:00:00	83.7	1783.1	80.2	9.9	0.0	260.6
04/05/15	00:00:00	82.2	1783.6	77.7	10.1	0.0	261.0
04/05/15	01:00:00	80.8	1783.6	74.6	10.0	0.0	261.4
04/05/15	02:00:00	80.1	1783.5	71.7	10.0	0.0	261.8
04/05/15	03:00:00	79.3	1783.8	69.1	10.0	0.0	262.2
04/05/15	04:00:00	78.3	1783.8	66.5	10.0	0.0	262.7
04/05/15	05:00:00	76.7	1783.7	63.8	10.0	0.0	263.1
04/05/15	06:00:00	76.0	1783.7	61.0	10.0	0.0	263.5
04/05/15	07:00:00	73.5	1783.6	58.1	10.0	0.0	263.9
04/05/15	08:00:00	75.1	1784.2	55.9	10.2	0.0	264.3
04/05/15	09:00:00	78.8	1783.9	55.1	10.0	0.0	264.7
04/05/15	10:00:00	84.6	1783.8	56.6	9.8	0.0	265.1
04/05/15	11:00:00	88.1	1784.0	59.1	9.6	0.0	265.6
04/05/15	12:00:00	90.1	1784.5	62.1	9.7	0.0	266.0
04/05/15	13:00:00	88.7	1785.5	64.9	9.9	0.0	266.4
04/05/15	14:00:00	80.4	1785.9	63.4	10.1	0.0	266.8
04/05/15	15:00:00	83.0	1785.8	62.2	9.9	0.0	267.2
04/05/15	16:00:00	84.5	1786.4	62.6	10.0	0.0	267.6
04/05/15	17:00:00	86.9	1786.3	64.1	9.9	0.0	268.0
04/05/15	18:00:00	87.2	1786.8	65.6	9.9	0.0	268.4
04/05/15	19:00:00	85.7	1786.9	66.4	9.9	0.0	268.9
04/05/15	20:00:00	82.4	1787.0	65.7	10.0	0.0	269.3
04/05/15	21:00:00	79.2	1787.0	63.4	10.0	0.0	269.7
04/05/15	22:00:00	78.3	1787.1	61.2	10.0	0.0	270.1
04/05/15	23:00:00	76.4	1787.0	59.0	9.9	0.0	270.5
04/06/15	00:00:00	73.9	1783.5	56.8	9.0	0.0	270.9
04/06/15	01:00:00	75.4	1787.2	54.5	10.1	0.0	271.3
04/06/15	02:00:00	73.6	1787.1	52.7	10.0	0.0	271.7
04/06/15	03:00:00	72.3	1787.4	50.6	10.2	0.0	272.2
04/06/15	04:00:00	71.9	1787.2	48.4	10.1	0.0	272.6
04/06/15	05:00:00	70.5	1786.8	46.7	10.0	0.0	273.0
04/06/15	06:00:00	69.9	1786.7	45.0	10.0	0.0	273.4
04/06/15	07:00:00	70.1	1786.9	43.4	10.0	0.0	273.8
04/06/15	08:00:00	72.2	1787.3	42.5	10.1	0.0	274.2
04/06/15	09:00:00	77.1	1787.3	43.0	10.0	0.0	274.7
04/06/15	10:00:00	80.5	1787.3	44.2	9.8	0.0	275.1
04/06/15	11:00:00	83.5	1787.6	46.0	9.8	0.0	275.5
04/06/15	12:00:00	85.5	1788.1	47.9	9.8	0.0	275.9
04/06/15	13:00:00	90.1	1788.2	50.9	9.7	0.0	276.3
04/06/15	14:00:00	93.7	1788.6	55.0	9.6	0.0	276.7
04/06/15	15:00:00	95.6	1789.2	59.5	9.6	0.0	277.1
04/06/15	16:00:00	95.5	1790.3	63.9	9.8	0.0	277.5
04/06/15	17:00:00	94.6	1790.7	67.8	9.8	0.0	277.9
04/06/15	18:00:00	92.6	1791.1	70.3	9.8	0.0	278.3
04/06/15	19:00:00	92.3	1791.1	72.6	9.7	0.0	278.7
04/06/15	20:00:00	89.2	1791.4	73.4	9.8	0.0	279.1
04/06/15	21:00:00	86.8	1792.0	73.0	9.9	0.0	279.5
04/06/15	22:00:00	84.9	1792.4	71.8	10.0	0.0	280.0
04/06/15	23:00:00	84.4	1792.3	70.7	10.0	0.0	280.4
04/07/15	00:00:00	80.3	1792.6	68.7	10.1	0.0	280.8
04/07/15	01:00:00	79.6	1792.4	65.3	10.0	0.0	281.2
04/07/15	02:00:00	80.2	1792.5	63.5	10.1	0.0	281.6
04/07/15	03:00:00	83.4	1792.7	63.4	10.0	0.0	282.0
04/07/15	04:00:00	87.0	1792.8	64.7	9.9	0.0	282.5
04/07/15	05:00:00	81.8	1792.8	64.4	9.9	0.0	282.9
04/07/15	06:00:00	80.9	1792.7	62.7	9.9	0.0	283.3
04/07/15	07:00:00	80.4	1792.9	61.4	9.9	0.0	283.7
04/07/15	08:00:00	78.4	1792.8	59.4	9.9	0.0	284.1
04/07/15	09:00:00	78.7	1792.8	57.9	9.9	0.0	284.5
04/07/15	10:00:00	78.6	1792.8	56.4	9.9	0.0	284.9
04/07/15	11:00:00	84.1	1793.2	56.9	9.9	0.0	285.3
04/07/15	12:00:00	88.5	1793.7	59.4	9.9	0.0	285.8
04/07/15	13:00:00	85.5	1793.7	61.7	9.8	0.0	286.2
04/07/15	14:00:00	83.1	1793.6	60.3	9.7	0.0	286.6

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/07/15	15:00:00	86.2	1794.2	61.9	9.8	0.0	287.0
04/07/15	16:00:00	88.2	1794.8	63.4	9.9	0.0	287.4
04/07/15	17:00:00	85.9	1794.8	64.7	9.9	0.0	287.8
04/07/15	18:00:00	78.3	1795.5	62.4	10.2	0.0	288.2
04/07/15	19:00:00	78.4	1795.1	59.8	9.9	0.0	288.6
04/07/15	20:00:00	79.0	1794.8	58.6	9.9	0.0	289.1
04/07/15	21:00:00	77.7	1795.1	57.2	10.0	0.0	289.5
04/07/15	22:00:00	76.8	1791.0	55.8	8.8	0.0	289.8
04/07/15	23:00:00	75.3	1792.7	54.6	9.4	0.0	290.2
04/08/15	00:00:00	72.8	1795.0	52.1	10.1	0.0	290.6
04/08/15	01:00:00	75.0	1795.4	50.5	10.1	0.0	291.1
04/08/15	02:00:00	75.0	1795.5	49.6	10.2	0.0	291.5
04/08/15	03:00:00	73.0	1795.4	47.9	10.1	0.0	291.9
04/08/15	04:00:00	72.3	1795.4	46.6	10.1	0.0	292.3
04/08/15	05:00:00	70.8	1795.4	44.9	10.2	0.0	292.8
04/08/15	06:00:00	71.9	1795.1	43.9	10.0	0.0	293.2
04/08/15	07:00:00	71.6	1795.3	43.1	10.1	0.0	293.6
04/08/15	08:00:00	70.0	1795.5	41.9	10.2	0.0	294.0
04/08/15	09:00:00	71.6	1795.0	41.1	10.0	0.0	294.4
04/08/15	10:00:00	76.1	1795.7	41.3	10.1	0.0	294.9
04/08/15	11:00:00	78.8	1795.2	42.4	9.8	0.0	295.3
04/08/15	12:00:00	83.8	1795.2	44.3	9.7	0.0	295.7
04/08/15	13:00:00	84.4	1796.0	46.4	9.8	0.0	296.1
04/08/15	14:00:00	85.8	1796.4	48.2	9.8	0.0	296.5
04/08/15	15:00:00	87.4	1796.6	50.7	9.7	0.0	296.9
04/08/15	16:00:00	88.5	1797.0	53.0	9.7	0.0	297.3
04/08/15	17:00:00	88.5	1797.6	55.3	9.8	0.0	297.7
04/08/15	18:00:00	88.4	1798.0	57.3	9.8	0.0	298.1
04/08/15	19:00:00	86.5	1798.6	58.6	9.9	0.0	298.5
04/08/15	20:00:00	83.2	1798.7	58.7	9.9	0.0	298.9
04/08/15	21:00:00	79.1	1798.9	57.2	10.0	0.0	299.3
04/08/15	22:00:00	77.5	1798.8	55.4	10.0	0.0	299.8
04/08/15	23:00:00	75.7	1798.8	53.5	10.0	0.0	300.2
04/09/15	00:00:00	74.3	1799.0	51.7	10.1	0.0	300.6
04/09/15	01:00:00	72.6	1799.1	49.5	10.1	0.0	301.0
04/09/15	02:00:00	72.2	1799.1	47.8	10.1	0.0	301.4
04/09/15	03:00:00	72.9	1798.8	46.4	10.1	0.0	301.9
04/09/15	04:00:00	70.8	1798.8	45.2	10.1	0.0	302.3
04/09/15	05:00:00	69.4	1798.7	43.5	10.1	0.0	302.7
04/09/15	06:00:00	68.3	1798.6	41.9	10.1	0.0	303.1
04/09/15	07:00:00	68.2	1798.5	40.6	10.1	0.0	303.5
04/09/15	08:00:00	69.3	1798.7	39.6	10.1	0.0	304.0
04/09/15	09:00:00	73.0	1798.6	39.5	10.0	0.0	304.4
04/09/15	10:00:00	78.5	1798.7	40.5	9.9	0.0	304.8
04/09/15	11:00:00	83.7	1798.9	42.5	9.8	0.0	305.2
04/09/15	12:00:00	87.3	1799.2	45.2	9.7	0.0	305.6
04/09/15	13:00:00	89.6	1799.7	48.3	9.7	0.0	306.0
04/09/15	14:00:00	91.0	1800.3	51.5	9.7	0.0	306.4
04/09/15	15:00:00	92.9	1800.8	55.1	9.7	0.0	306.8
04/09/15	16:00:00	92.1	1801.5	58.3	9.8	0.0	307.2
04/09/15	17:00:00	92.8	1801.9	61.5	9.7	0.0	307.6
04/09/15	18:00:00	92.5	1802.2	64.5	9.8	0.0	308.0
04/09/15	19:00:00	91.6	1802.7	66.9	9.8	0.0	308.4
04/09/15	20:00:00	88.5	1802.8	68.2	9.8	0.0	308.9
04/09/15	21:00:00	85.5	1803.3	67.7	9.9	0.0	309.3
04/09/15	22:00:00	83.0	1803.6	66.5	10.0	0.0	309.7
04/09/15	23:00:00	82.4	1803.8	65.2	10.1	0.0	310.1
04/10/15	00:00:00	80.2	1798.4	63.8	8.3	0.0	310.5
04/10/15	01:00:00	78.1	1797.5	62.1	8.3	0.0	310.8
04/10/15	02:00:00	76.1	1797.1	60.0	8.2	0.0	311.1
04/10/15	03:00:00	74.5	1796.9	57.8	8.2	0.0	311.5
04/10/15	04:00:00	74.5	1796.7	56.1	8.2	0.0	311.8
04/10/15	05:00:00	72.9	1796.5	54.3	8.3	0.0	312.2
04/10/15	06:00:00	70.7	1796.3	52.2	8.3	0.0	312.5
04/10/15	07:00:00	73.0	1796.1	50.8	8.3	0.0	312.9
04/10/15	08:00:00	72.0	1796.0	49.7	8.3	0.0	313.2
04/10/15	09:00:00	76.7	1795.8	49.6	8.1	0.0	313.5

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/10/15	10:00:00	82.3	1796.0	50.7	8.1	0.0	313.9
04/10/15	11:00:00	88.1	1796.3	53.0	8.0	0.0	314.2
04/10/15	12:00:00	92.0	1796.6	56.2	8.0	0.0	314.5
04/10/15	13:00:00	95.2	1797.0	59.9	8.0	0.0	314.9
04/10/15	14:00:00	97.5	1797.3	64.0	8.0	0.0	315.2
04/10/15	15:00:00	99.6	1797.7	68.7	8.0	0.0	315.5
04/10/15	16:00:00	100.5	1798.0	73.4	7.9	0.0	315.9
04/10/15	17:00:00	100.2	1798.4	77.7	7.9	0.0	316.2
04/10/15	18:00:00	99.2	1798.6	81.4	8.0	0.0	316.5
04/10/15	19:00:00	96.2	1799.0	83.7	8.0	0.0	316.9
04/10/15	20:00:00	91.0	1798.9	83.6	8.1	0.0	317.2
04/10/15	21:00:00	86.9	1799.0	81.4	8.1	0.0	317.5
04/10/15	22:00:00	84.3	1799.0	78.8	8.1	0.0	317.9
04/10/15	23:00:00	81.5	1799.0	75.8	8.2	0.0	318.2
04/11/15	00:00:00	80.1	1798.9	72.6	8.2	0.0	318.6
04/11/15	01:00:00	81.6	1799.0	71.0	8.2	0.0	318.9
04/11/15	02:00:00	78.3	1798.8	68.9	8.2	0.0	319.3
04/11/15	03:00:00	75.0	1798.7	65.5	8.3	0.0	319.6
04/11/15	04:00:00	74.1	1798.6	62.6	8.3	0.0	319.9
04/11/15	05:00:00	73.9	1798.4	60.2	8.3	0.0	320.3
04/11/15	06:00:00	72.9	1798.3	58.0	8.3	0.0	320.6
04/11/15	07:00:00	73.1	1798.1	56.2	8.2	0.0	321.0
04/11/15	08:00:00	75.8	1798.2	55.2	8.2	0.0	321.3
04/11/15	09:00:00	83.1	1798.2	56.2	8.0	0.0	321.7
04/11/15	10:00:00	87.6	1798.4	58.5	8.0	0.0	322.0
04/11/15	11:00:00	92.4	1798.8	61.6	8.0	0.0	322.3
04/11/15	12:00:00	93.2	1799.0	65.1	8.0	0.0	322.7
04/11/15	13:00:00	95.2	1799.6	68.4	8.0	0.0	323.0
04/11/15	14:00:00	99.1	1799.9	72.9	8.0	0.0	323.3
04/11/15	15:00:00	100.9	1800.2	78.1	7.9	0.0	323.6
04/11/15	16:00:00	101.4	1800.6	83.2	7.9	0.0	324.0
04/11/15	17:00:00	101.4	1801.0	87.9	7.9	0.0	324.3
04/11/15	18:00:00	100.7	1801.0	92.0	7.9	0.0	324.6
04/11/15	19:00:00	97.4	1801.4	94.5	7.9	0.0	325.0
04/11/15	20:00:00	92.7	1801.7	94.2	8.1	0.0	325.3
04/11/15	21:00:00	89.3	1801.9	92.1	8.2	0.0	325.6
04/11/15	22:00:00	87.6	1801.2	89.7	7.9	0.0	326.0
04/11/15	23:00:00	87.3	1801.9	87.9	8.2	0.0	326.3
04/12/15	00:00:00	85.9	1801.9	86.0	8.2	0.0	326.7
04/12/15	01:00:00	84.3	1802.1	83.7	8.2	0.0	327.0
04/12/15	02:00:00	80.9	1802.1	80.6	8.3	0.0	327.3
04/12/15	03:00:00	78.9	1801.9	76.9	8.3	0.0	327.7
04/12/15	04:00:00	78.7	1801.8	73.7	8.3	0.0	328.0
04/12/15	05:00:00	78.3	1801.8	71.3	8.3	0.0	328.4
04/12/15	06:00:00	76.0	1801.7	68.4	8.3	0.0	328.7
04/12/15	07:00:00	75.0	1801.6	65.5	8.3	0.0	329.1
04/12/15	08:00:00	76.9	1800.5	63.6	7.7	0.0	329.4
04/12/15	09:00:00	80.0	1792.4	64.6	3.7	0.0	329.5
04/12/15	10:00:00	86.0	1791.6	66.8	3.4	0.0	329.7
04/12/15	11:00:00	91.0	1796.4	69.1	6.4	0.0	330.0
04/12/15	12:00:00	96.0	1800.7	72.5	7.9	0.0	330.3
04/12/15	13:00:00	99.4	1801.2	77.2	7.8	0.0	330.6
04/12/15	14:00:00	102.4	1799.2	82.5	6.9	0.0	330.9
04/12/15	15:00:00	103.8	1800.0	87.7	7.2	0.0	331.2
04/12/15	16:00:00	105.0	1802.2	94.2	7.8	0.0	331.5
04/12/15	17:00:00	105.4	1802.8	100.7	7.8	0.0	331.8
04/12/15	18:00:00	104.2	1803.1	106.3	7.8	0.0	332.2
04/12/15	19:00:00	103.1	1803.6	110.6	7.8	0.0	332.5
04/12/15	20:00:00	99.8	1803.7	113.4	7.9	0.0	332.8
04/12/15	21:00:00	94.1	1804.1	112.1	8.1	0.0	333.2
04/12/15	22:00:00	90.8	1804.2	108.8	8.0	0.0	333.5
04/12/15	23:00:00	89.5	1804.3	105.3	8.1	0.0	333.8
04/13/15	00:00:00	88.3	1804.5	102.7	8.2	0.0	334.2
04/13/15	01:00:00	85.5	1804.4	99.1	8.1	0.0	334.5
04/13/15	02:00:00	84.3	1804.4	94.9	8.1	0.0	334.9
04/13/15	03:00:00	82.8	1804.5	91.8	8.2	0.0	335.2
04/13/15	04:00:00	78.9	1800.6	87.5	6.7	0.0	335.5

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/13/15	05:00:00	75.5	1801.7	83.0	7.4	0.0	335.8
04/13/15	06:00:00	75.9	1803.7	77.9	8.2	0.0	336.1
04/13/15	07:00:00	76.7	1803.7	74.6	8.2	0.0	336.5
04/13/15	08:00:00	78.0	1803.8	72.0	8.2	0.0	336.8
04/13/15	09:00:00	83.0	1803.5	71.8	8.0	0.0	337.1
04/13/15	10:00:00	88.2	1803.8	73.7	8.0	0.0	337.5
04/13/15	11:00:00	93.1	1804.1	76.8	7.9	0.0	337.8
04/13/15	12:00:00	98.2	1802.4	81.9	6.9	0.0	338.1
04/13/15	13:00:00	99.9	1803.8	86.7	7.6	0.0	338.4
04/13/15	14:00:00	103.5	1805.0	93.4	7.8	0.0	338.7
04/13/15	15:00:00	105.2	1804.1	100.3	7.2	0.0	339.0
04/13/15	16:00:00	103.1	1805.9	106.0	7.9	0.0	339.4
04/13/15	17:00:00	100.7	1806.5	109.9	8.0	0.0	339.7
04/13/15	18:00:00	97.7	1806.7	111.7	8.1	0.0	340.0
04/13/15	19:00:00	93.9	1807.1	111.1	8.1	0.0	340.4
04/13/15	20:00:00	90.1	1806.7	108.2	8.1	0.0	340.7
04/13/15	21:00:00	86.1	1806.9	103.6	8.2	0.0	341.1
04/13/15	22:00:00	83.6	1806.8	98.3	8.2	0.0	341.4
04/13/15	23:00:00	83.1	1806.8	93.9	8.2	0.0	341.7
04/14/15	00:00:00	82.9	1806.7	90.5	8.2	0.0	342.1
04/14/15	01:00:00	82.8	1806.7	87.8	8.2	0.0	342.4
04/14/15	02:00:00	82.2	1806.7	85.4	8.2	0.0	342.8
04/14/15	03:00:00	80.9	1806.8	82.8	8.2	0.0	343.1
04/14/15	04:00:00	78.4	1806.7	79.4	8.3	0.0	343.4
04/14/15	05:00:00	77.2	1806.6	75.9	8.3	0.0	343.8
04/14/15	06:00:00	74.7	1806.4	72.4	8.3	0.0	344.1
04/14/15	07:00:00	72.2	1806.4	68.4	8.3	0.0	344.5
04/14/15	08:00:00	72.7	1801.8	66.1	6.2	0.0	344.7
04/14/15	09:00:00	76.6	1809.8	64.8	9.5	0.0	345.1
04/14/15	10:00:00	81.5	1811.7	64.0	9.8	0.0	345.5
04/14/15	11:00:00	85.3	1812.1	65.2	9.8	0.0	346.0
04/14/15	12:00:00	88.0	1809.3	67.4	8.6	0.0	346.3
04/14/15	13:00:00	90.9	1813.3	70.4	9.9	0.0	346.7
04/14/15	14:00:00	92.8	1813.9	74.2	9.8	0.0	347.1
04/14/15	15:00:00	94.0	1814.4	78.0	9.8	0.0	347.5
04/14/15	16:00:00	94.7	1815.0	82.1	9.8	0.0	347.9
04/14/15	17:00:00	94.5	1815.6	85.7	9.8	0.0	348.4
04/14/15	18:00:00	93.9	1816.0	88.8	9.8	0.0	348.8
04/14/15	19:00:00	92.9	1816.4	91.0	9.9	0.0	349.2
04/14/15	20:00:00	90.0	1816.3	91.6	9.8	0.0	349.6
04/14/15	21:00:00	84.7	1816.4	89.0	9.8	0.0	350.0
04/14/15	22:00:00	82.7	1816.6	84.9	9.9	0.0	350.4
04/14/15	23:00:00	81.4	1816.6	81.7	9.9	0.0	350.8
04/15/15	00:00:00	79.7	1817.2	78.1	10.1	0.0	351.2
04/15/15	01:00:00	77.1	1817.5	73.9	10.2	0.0	351.7
04/15/15	02:00:00	78.4	1817.3	70.6	10.1	0.0	352.1
04/15/15	03:00:00	77.9	1817.5	68.5	10.2	0.0	352.5
04/15/15	04:00:00	76.0	1817.4	65.6	10.2	0.0	352.9
04/15/15	05:00:00	76.6	1817.6	63.2	10.2	0.0	353.4
04/15/15	06:00:00	76.0	1817.3	61.3	10.1	0.0	353.8
04/15/15	07:00:00	75.8	1817.3	59.4	10.1	0.0	354.2
04/15/15	08:00:00	77.5	1817.6	58.2	10.2	0.0	354.6
04/15/15	09:00:00	80.8	1817.3	58.5	10.0	0.0	355.1
04/15/15	10:00:00	85.0	1817.5	60.1	9.9	0.0	355.5
04/15/15	11:00:00	88.6	1817.9	62.8	9.9	0.0	355.9
04/15/15	12:00:00	92.8	1818.5	66.8	9.9	0.0	356.3
04/15/15	13:00:00	96.0	1819.0	72.1	9.8	0.0	356.7
04/15/15	14:00:00	98.6	1819.5	78.1	9.8	0.0	357.1
04/15/15	15:00:00	100.3	1820.3	85.0	9.9	0.0	357.5
04/15/15	16:00:00	101.5	1820.9	92.6	9.9	0.0	357.9
04/15/15	17:00:00	101.6	1821.3	99.8	9.8	0.0	358.3
04/15/15	18:00:00	101.0	1821.6	106.3	9.8	0.0	358.7
04/15/15	19:00:00	98.9	1822.2	111.1	9.8	0.0	359.1
04/15/15	20:00:00	96.8	1822.0	113.6	9.8	0.0	359.6
04/15/15	21:00:00	93.6	1822.5	114.1	9.9	0.0	360.0
04/15/15	22:00:00	88.0	1822.9	110.0	10.0	0.0	360.4
04/15/15	23:00:00	85.8	1823.2	104.6	10.2	0.0	360.8

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/16/15	00:00:00	85.0	1823.2	100.2	10.1	0.0	361.2
04/16/15	01:00:00	83.0	1823.3	95.4	10.2	0.0	361.7
04/16/15	02:00:00	81.8	1823.2	90.8	10.2	0.0	362.1
04/16/15	03:00:00	78.9	1823.0	85.5	10.2	0.0	362.5
04/16/15	04:00:00	77.3	1822.9	80.5	10.2	0.0	362.9
04/16/15	05:00:00	76.0	1822.9	75.6	10.2	0.0	363.4
04/16/15	06:00:00	73.6	1822.6	70.8	10.2	0.0	363.8
04/16/15	07:00:00	72.1	1822.4	66.2	10.2	0.0	364.2
04/16/15	08:00:00	74.8	1822.3	63.1	10.2	0.0	364.6
04/16/15	09:00:00	81.9	1820.6	63.4	9.5	0.0	365.0
04/16/15	10:00:00	87.2	1821.3	65.9	9.6	0.0	365.4
04/16/15	11:00:00	92.2	1821.8	69.9	9.6	0.0	365.8
04/16/15	12:00:00	96.8	1822.2	75.6	9.5	0.0	366.2
04/16/15	13:00:00	102.4	1821.4	83.7	9.1	0.0	366.6
04/16/15	14:00:00	102.1	1809.3	88.6	2.1	0.0	366.7
04/16/15	15:00:00	106.9	1803.2	87.3	0.0	0.0	366.7
04/16/15	16:00:00	105.8	1802.0	87.5	0.0	0.0	366.7
04/16/15	17:00:00	101.3	1801.2	88.0	0.0	0.0	366.7
04/16/15	18:00:00	95.2	1800.3	88.6	0.0	0.0	366.7
04/16/15	19:00:00	88.1	1799.7	89.2	0.0	0.0	366.7
04/16/15	20:00:00	79.6	1798.7	89.7	0.0	0.0	366.7
04/16/15	21:00:00	70.3	1798.1	90.1	0.0	0.0	366.7
04/16/15	22:00:00	64.8	1797.7	90.5	0.0	0.0	366.7
04/16/15	23:00:00	62.7	1797.2	90.7	0.0	0.0	366.7
04/17/15	00:00:00	61.4	1796.7	90.9	0.0	0.0	366.7
04/17/15	01:00:00	59.5	1796.2	91.1	0.0	0.0	366.7
04/17/15	02:00:00	55.6	1795.7	91.3	0.0	0.0	366.7
04/17/15	03:00:00	52.2	1795.3	91.4	0.0	0.0	366.7
04/17/15	04:00:00	50.2	1795.0	91.6	0.0	0.0	366.7
04/17/15	05:00:00	49.6	1794.6	91.7	0.0	0.0	366.7
04/17/15	06:00:00	47.9	1794.2	91.8	0.0	0.0	366.7
04/17/15	07:00:00	46.4	1793.9	91.9	0.0	0.0	366.7
04/17/15	08:00:00	47.7	1793.6	92.1	0.0	0.0	366.7
04/17/15	09:00:00	53.0	1793.2	92.5	0.0	0.0	366.7
04/17/15	10:00:00	61.3	1792.9	92.8	0.0	0.0	366.7
04/17/15	11:00:00	74.9	1792.5	93.1	0.0	0.0	366.7
04/17/15	12:00:00	94.1	1792.2	93.5	0.0	0.0	366.7
04/17/15	13:00:00	103.2	1791.9	94.0	0.0	0.0	366.7
04/17/15	14:00:00	108.6	1791.7	94.4	0.0	0.0	366.7
04/17/15	15:00:00	109.0	1791.4	94.8	0.0	0.0	366.7
04/17/15	16:00:00	106.7	1791.2	95.2	0.0	0.0	366.7
04/17/15	17:00:00	103.5	1791.1	95.6	0.0	0.0	366.7
04/17/15	18:00:00	96.4	1790.7	95.9	0.0	0.0	366.7
04/17/15	19:00:00	87.9	1790.7	96.2	0.0	0.0	366.7
04/17/15	20:00:00	78.7	1790.2	96.4	0.0	0.0	366.7
04/17/15	21:00:00	71.0	1790.1	96.5	0.0	0.0	366.7
04/17/15	22:00:00	65.8	1790.0	96.5	0.0	0.0	366.7
04/17/15	23:00:00	62.5	1789.8	96.5	0.0	0.0	366.7
04/18/15	00:00:00	59.0	1789.7	96.5	0.0	0.0	366.7
04/18/15	01:00:00	55.3	1789.5	96.5	0.0	0.0	366.7
04/18/15	02:00:00	52.9	1789.4	96.4	0.0	0.0	366.7
04/18/15	03:00:00	51.9	1789.3	96.4	0.0	0.0	366.7
04/18/15	04:00:00	55.8	1789.1	96.4	0.3	0.3	366.7
04/18/15	05:00:00	67.7	1789.7	95.6	1.0	0.1	366.7
04/18/15	06:00:00	71.5	1790.5	91.8	1.9	0.0	366.8
04/18/15	07:00:00	72.6	1790.8	89.2	1.9	0.0	366.9
04/18/15	08:00:00	77.0	1791.4	87.5	1.9	0.0	367.0
04/18/15	09:00:00	81.5	1792.1	85.8	3.6	0.0	367.1
04/18/15	10:00:00	85.9	1792.7	84.2	3.6	0.0	367.3
04/18/15	11:00:00	90.9	1793.3	82.9	3.6	0.0	367.4
04/18/15	12:00:00	96.8	1796.0	83.9	4.9	0.0	367.6
04/18/15	13:00:00	101.8	1797.9	86.4	5.5	0.0	367.9
04/18/15	14:00:00	105.0	1798.7	90.0	5.5	0.0	368.1
04/18/15	15:00:00	106.7	1799.0	94.0	5.3	0.0	368.3
04/18/15	16:00:00	108.2	1801.7	98.7	6.5	0.0	368.6
04/18/15	17:00:00	107.8	1805.7	104.9	7.6	0.0	368.9
04/18/15	18:00:00	107.4	1806.3	110.8	7.6	0.0	369.2

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/18/15	19:00:00	105.3	1806.9	115.4	7.6	0.0	369.5
04/18/15	20:00:00	99.1	1807.4	116.4	7.7	0.0	369.8
04/18/15	21:00:00	93.3	1807.9	113.0	7.7	0.0	370.2
04/18/15	22:00:00	92.0	1808.3	109.5	7.7	0.0	370.5
04/18/15	23:00:00	91.2	1808.6	107.1	7.7	0.0	370.8
04/19/15	00:00:00	89.7	1809.1	104.7	7.8	0.0	371.1
04/19/15	01:00:00	87.4	1810.0	101.9	8.1	0.0	371.5
04/19/15	02:00:00	86.6	1810.2	98.7	8.0	0.0	371.8
04/19/15	03:00:00	82.8	1810.3	94.7	8.1	0.0	372.1
04/19/15	04:00:00	80.1	1810.4	89.8	8.0	0.0	372.5
04/19/15	05:00:00	79.2	1810.6	85.5	8.1	0.0	372.8
04/19/15	06:00:00	77.4	1810.5	81.3	8.1	0.0	373.1
04/19/15	07:00:00	77.9	1810.7	77.9	8.1	0.0	373.5
04/19/15	08:00:00	80.0	1810.7	75.8	8.0	0.0	373.8
04/19/15	09:00:00	83.8	1810.8	75.7	7.9	0.0	374.1
04/19/15	10:00:00	87.8	1811.2	76.9	7.9	0.0	374.5
04/19/15	11:00:00	93.7	1811.4	80.2	7.8	0.0	374.8
04/19/15	12:00:00	98.1	1811.9	85.3	7.7	0.0	375.1
04/19/15	13:00:00	101.9	1812.4	91.7	7.7	0.0	375.4
04/19/15	14:00:00	104.3	1813.0	98.8	7.7	0.0	375.8
04/19/15	15:00:00	107.5	1813.5	107.1	7.7	0.0	376.1
04/19/15	16:00:00	109.6	1814.1	116.8	7.7	0.0	376.4
04/19/15	17:00:00	110.3	1814.6	126.6	7.7	0.0	376.7
04/19/15	18:00:00	108.4	1814.8	134.7	7.7	0.0	377.0
04/19/15	19:00:00	103.0	1815.4	138.2	7.8	0.0	377.4
04/19/15	20:00:00	96.1	1815.5	135.8	7.9	0.0	377.7
04/19/15	21:00:00	91.8	1815.7	129.9	7.9	0.0	378.0
04/19/15	22:00:00	89.5	1815.8	124.1	7.9	0.0	378.4
04/19/15	23:00:00	88.3	1815.8	119.0	7.9	0.0	378.7
04/20/15	00:00:00	87.1	1815.9	114.4	7.9	0.0	379.0
04/20/15	01:00:00	83.9	1815.9	109.3	8.0	0.0	379.3
04/20/15	02:00:00	82.5	1815.9	103.7	8.0	0.0	379.7
04/20/15	03:00:00	81.7	1815.8	99.1	8.0	0.0	380.0
04/20/15	04:00:00	80.7	1815.7	94.6	8.0	0.0	380.3
04/20/15	05:00:00	81.0	1815.7	91.0	8.0	0.0	380.7
04/20/15	06:00:00	80.4	1815.7	87.8	8.0	0.0	381.0
04/20/15	07:00:00	79.9	1815.7	84.7	8.0	0.0	381.3
04/20/15	08:00:00	81.8	1815.8	82.7	8.0	0.0	381.7
04/20/15	09:00:00	84.5	1815.2	82.3	7.7	0.0	382.0
04/20/15	10:00:00	89.1	1814.8	83.9	7.4	0.0	382.3
04/20/15	11:00:00	92.9	1814.9	86.7	7.3	0.0	382.6
04/20/15	12:00:00	96.1	1808.9	89.9	4.1	0.0	382.8
04/20/15	13:00:00	98.8	1814.2	93.6	6.8	0.0	383.1
04/20/15	14:00:00	102.0	1821.8	100.8	9.5	0.0	383.5
04/20/15	15:00:00	104.7	1822.5	110.1	9.4	0.0	383.8
04/20/15	16:00:00	105.3	1823.4	119.7	9.4	0.0	384.2
04/20/15	17:00:00	104.2	1824.2	128.1	9.5	0.0	384.6
04/20/15	18:00:00	101.1	1824.5	133.7	9.5	0.0	385.0
04/20/15	19:00:00	97.0	1824.8	134.9	9.5	0.0	385.4
04/20/15	20:00:00	93.3	1825.1	132.3	9.5	0.0	385.8
04/20/15	21:00:00	90.3	1825.5	127.9	9.6	0.0	386.2
04/20/15	22:00:00	88.2	1825.6	122.6	9.6	0.0	386.6
04/20/15	23:00:00	86.4	1826.0	117.1	9.7	0.0	387.0
04/21/15	00:00:00	84.8	1826.2	111.5	9.8	0.0	387.4
04/21/15	01:00:00	84.5	1822.8	106.7	8.6	0.0	387.8
04/21/15	02:00:00	83.4	1819.9	102.9	7.7	0.0	388.1
04/21/15	03:00:00	83.0	1819.7	99.4	7.7	0.0	388.4
04/21/15	04:00:00	82.7	1823.0	96.1	8.9	0.0	388.8
04/21/15	05:00:00	82.9	1826.1	92.5	9.8	0.0	389.2
04/21/15	06:00:00	82.5	1826.1	89.5	9.8	0.0	389.6
04/21/15	07:00:00	82.8	1826.3	87.1	9.8	0.0	390.0
04/21/15	08:00:00	83.8	1826.6	85.5	9.8	0.0	390.4
04/21/15	09:00:00	86.2	1826.7	85.5	9.8	0.0	390.9
04/21/15	10:00:00	89.1	1826.8	87.0	9.7	0.0	391.3
04/21/15	11:00:00	92.3	1826.1	90.2	9.2	0.0	391.6
04/21/15	12:00:00	94.6	1821.8	94.0	7.7	0.0	392.0
04/21/15	13:00:00	98.9	1820.3	98.3	6.3	0.5	392.2

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/21/15	14:00:00	100.1	1825.8	102.8	9.0	0.0	392.6
04/21/15	15:00:00	100.5	1827.8	110.2	9.5	0.0	393.0
04/21/15	16:00:00	100.3	1828.7	116.5	9.5	0.0	393.4
04/21/15	17:00:00	99.1	1829.2	121.6	9.6	0.0	393.8
04/21/15	18:00:00	96.4	1829.7	124.5	9.7	0.0	394.2
04/21/15	19:00:00	93.5	1829.7	124.1	9.6	0.0	394.6
04/21/15	20:00:00	90.4	1829.5	121.5	9.5	0.0	395.0
04/21/15	21:00:00	85.9	1824.8	116.1	8.0	0.0	395.3
04/21/15	22:00:00	82.4	1828.5	109.3	9.4	0.0	395.7
04/21/15	23:00:00	80.7	1829.9	101.8	9.9	0.0	396.1
04/22/15	00:00:00	79.6	1829.6	95.6	9.8	0.0	396.5
04/22/15	01:00:00	78.4	1829.5	90.1	9.8	0.0	396.9
04/22/15	02:00:00	78.2	1829.7	85.3	9.8	0.0	397.3
04/22/15	03:00:00	77.8	1829.8	81.4	9.9	0.0	397.7
04/22/15	04:00:00	77.0	1829.8	77.7	9.9	0.0	398.2
04/22/15	05:00:00	76.5	1829.7	74.2	9.8	0.0	398.6
04/22/15	06:00:00	79.0	1829.9	72.2	9.8	0.0	399.0
04/22/15	07:00:00	81.2	1829.9	71.8	9.8	0.0	399.4
04/22/15	08:00:00	81.9	1830.3	71.6	9.8	0.0	399.8
04/22/15	09:00:00	85.2	1830.3	72.5	9.7	0.0	400.2
04/22/15	10:00:00	84.1	1830.7	73.4	9.8	0.0	400.6
04/22/15	11:00:00	88.5	1830.4	74.9	9.5	0.0	401.0
04/22/15	12:00:00	93.2	1830.6	79.3	9.5	0.0	401.4
04/22/15	13:00:00	96.2	1826.2	84.4	7.8	0.0	401.7
04/22/15	14:00:00	98.0	1825.2	89.6	7.4	0.0	402.0
04/22/15	15:00:00	100.0	1823.8	94.2	6.6	0.0	402.3
04/22/15	16:00:00	102.9	1822.4	99.3	5.8	0.0	402.5
04/22/15	17:00:00	104.8	1831.3	108.3	9.4	0.0	402.9
04/22/15	18:00:00	105.0	1832.3	117.9	9.4	0.0	403.3
04/22/15	19:00:00	102.8	1832.9	126.1	9.5	0.0	403.7
04/22/15	20:00:00	97.5	1833.2	128.8	9.5	0.0	404.1
04/22/15	21:00:00	92.7	1833.7	126.5	9.6	0.0	404.5
04/22/15	22:00:00	91.9	1833.9	123.6	9.6	0.0	404.9
04/22/15	23:00:00	90.2	1834.2	121.0	9.7	0.0	405.3
04/23/15	00:00:00	88.3	1834.5	117.4	9.8	0.0	405.7
04/23/15	01:00:00	85.5	1834.4	112.5	9.7	0.0	406.1
04/23/15	02:00:00	85.6	1834.7	108.6	9.8	0.0	406.5
04/23/15	03:00:00	83.2	1835.1	103.7	10.0	0.0	407.0
04/23/15	04:00:00	81.6	1834.8	98.3	9.9	0.0	407.4
04/23/15	05:00:00	80.0	1834.7	93.3	9.9	0.0	407.8
04/23/15	06:00:00	78.2	1834.5	88.0	9.9	0.0	408.2
04/23/15	07:00:00	77.9	1834.5	83.4	9.9	0.0	408.6
04/23/15	08:00:00	79.7	1834.8	80.2	9.9	0.0	409.0
04/23/15	09:00:00	83.1	1834.5	79.7	9.8	0.0	409.4
04/23/15	10:00:00	88.1	1834.6	81.4	9.7	0.0	409.8
04/23/15	11:00:00	92.4	1834.9	85.3	9.6	0.0	410.2
04/23/15	12:00:00	96.5	1835.4	91.3	9.6	0.0	410.6
04/23/15	13:00:00	99.9	1835.7	98.7	9.5	0.0	411.0
04/23/15	14:00:00	104.1	1836.4	108.7	9.5	0.0	411.4
04/23/15	15:00:00	106.6	1836.9	120.4	9.5	0.0	411.8
04/23/15	16:00:00	108.7	1837.3	133.5	9.4	0.0	412.2
04/23/15	17:00:00	106.6	1837.8	145.0	9.4	0.0	412.6
04/23/15	18:00:00	102.2	1838.2	150.4	9.5	0.0	413.0
04/23/15	19:00:00	100.0	1838.4	152.9	9.5	0.0	413.4
04/23/15	20:00:00	97.1	1838.3	152.3	9.5	0.0	413.8
04/23/15	21:00:00	94.8	1838.8	150.4	9.6	0.0	414.2
04/23/15	22:00:00	92.7	1839.2	146.5	9.7	0.0	414.6
04/23/15	23:00:00	86.2	1839.5	138.6	9.8	0.0	415.0
04/24/15	00:00:00	86.2	1839.2	129.2	9.8	0.0	415.4
04/24/15	01:00:00	90.0	1839.2	126.4	9.7	0.0	415.8
04/24/15	02:00:00	89.9	1839.3	125.0	9.7	0.0	416.2
04/24/15	03:00:00	88.4	1839.4	122.3	9.8	0.0	416.6
04/24/15	04:00:00	86.8	1839.7	118.2	9.9	0.0	417.1
04/24/15	05:00:00	86.1	1839.7	114.1	9.9	0.0	417.5
04/24/15	06:00:00	85.7	1839.6	110.2	9.8	0.0	417.9
04/24/15	07:00:00	76.2	1822.4	108.7	0.2	0.0	417.9
04/24/15	08:00:00	56.5	1819.5	110.5	0.0	0.0	417.9

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/24/15	09:00:00	59.2	1818.7	111.1	0.0	0.0	417.9
04/24/15	10:00:00	63.3	1817.9	111.5	0.0	0.0	417.9
04/24/15	11:00:00	69.9	1817.1	111.8	0.0	0.0	417.9
04/24/15	12:00:00	81.5	1816.4	112.2	0.0	0.0	417.9
04/24/15	13:00:00	87.1	1815.8	112.4	0.0	0.0	417.9
04/24/15	14:00:00	96.0	1816.1	112.6	1.4	0.5	417.9
04/24/15	15:00:00	97.1	1827.8	113.4	7.7	0.0	418.2
04/24/15	16:00:00	98.3	1834.1	115.6	9.6	0.0	418.6
04/24/15	17:00:00	98.9	1834.8	119.3	9.6	0.0	419.0
04/24/15	18:00:00	96.2	1835.3	122.0	9.6	0.0	419.4
04/24/15	19:00:00	92.2	1835.7	120.5	9.6	0.0	419.8
04/24/15	20:00:00	90.1	1836.1	117.7	9.6	0.0	420.2
04/24/15	21:00:00	89.2	1836.5	114.7	9.7	0.0	420.6
04/24/15	22:00:00	88.5	1836.8	112.4	9.7	0.0	421.0
04/24/15	23:00:00	88.2	1837.2	110.2	9.7	0.0	421.4
04/25/15	00:00:00	85.5	1837.3	107.1	9.7	0.0	421.9
04/25/15	01:00:00	84.5	1837.5	102.9	9.7	0.0	422.3
04/25/15	02:00:00	84.2	1837.6	99.8	9.7	0.0	422.7
04/25/15	03:00:00	83.2	1837.7	95.8	9.7	0.0	423.1
04/25/15	04:00:00	84.1	1838.1	93.7	9.8	0.0	423.5
04/25/15	05:00:00	84.9	1838.3	92.0	9.8	0.0	423.9
04/25/15	06:00:00	84.9	1838.5	91.1	9.7	0.0	424.3
04/25/15	07:00:00	84.5	1838.7	89.9	9.8	0.0	424.7
04/25/15	08:00:00	86.1	1838.8	89.2	9.7	0.0	425.1
04/25/15	09:00:00	88.1	1839.2	90.3	9.8	0.0	425.5
04/25/15	10:00:00	89.3	1839.4	91.9	9.7	0.0	425.9
04/25/15	11:00:00	90.7	1839.6	93.8	9.6	0.0	426.3
04/25/15	12:00:00	93.0	1840.0	97.1	9.6	0.0	426.7
04/25/15	13:00:00	92.9	1840.4	100.0	9.6	0.0	427.1
04/25/15	14:00:00	94.7	1839.5	103.5	9.1	0.0	427.5
04/25/15	15:00:00	97.2	1839.8	108.0	9.2	0.0	427.9
04/25/15	16:00:00	98.8	1842.0	114.3	9.7	0.0	428.3
04/25/15	17:00:00	99.1	1842.3	120.6	9.7	0.0	428.7
04/25/15	18:00:00	98.2	1842.5	125.4	9.7	0.0	429.1
04/25/15	19:00:00	96.4	1842.9	128.5	9.7	0.0	429.5
04/25/15	20:00:00	92.6	1842.9	128.0	9.7	0.0	429.9
04/25/15	21:00:00	89.8	1843.3	124.5	9.8	0.0	430.3
04/25/15	22:00:00	87.5	1843.3	120.3	9.8	0.0	430.7
04/25/15	23:00:00	87.7	1843.8	116.4	9.9	0.0	431.1
04/26/15	00:00:00	86.3	1843.9	113.0	9.9	0.0	431.5
04/26/15	01:00:00	84.9	1843.9	108.6	10.0	0.0	432.0
04/26/15	02:00:00	84.3	1843.9	104.5	9.9	0.0	432.4
04/26/15	03:00:00	83.3	1843.8	100.7	9.9	0.0	432.8
04/26/15	04:00:00	82.5	1843.9	96.8	10.0	0.0	433.2
04/26/15	05:00:00	81.0	1843.9	92.6	10.0	0.0	433.6
04/26/15	06:00:00	80.2	1844.0	88.7	10.0	0.0	434.0
04/26/15	07:00:00	79.8	1843.9	85.0	10.0	0.0	434.4
04/26/15	08:00:00	83.3	1843.8	83.6	9.9	0.0	434.9
04/26/15	09:00:00	87.6	1843.6	84.9	9.7	0.0	435.3
04/26/15	10:00:00	91.8	1844.0	88.5	9.7	0.0	435.7
04/26/15	11:00:00	93.9	1844.1	93.0	9.6	0.0	436.1
04/26/15	12:00:00	95.4	1844.4	97.9	9.5	0.0	436.5
04/26/15	13:00:00	99.2	1845.2	104.3	9.6	0.0	436.9
04/26/15	14:00:00	102.1	1845.4	113.0	9.5	0.0	437.3
04/26/15	15:00:00	104.5	1846.1	123.3	9.5	0.0	437.7
04/26/15	16:00:00	104.6	1846.6	133.2	9.5	0.0	438.0
04/26/15	17:00:00	105.7	1846.9	142.9	9.5	0.0	438.4
04/26/15	18:00:00	106.0	1847.0	153.1	9.4	0.0	438.8
04/26/15	19:00:00	104.1	1847.5	161.0	9.4	0.0	439.2
04/26/15	20:00:00	99.4	1847.6	163.7	9.5	0.0	439.6
04/26/15	21:00:00	94.5	1847.8	159.7	9.6	0.0	440.0
04/26/15	22:00:00	91.9	1848.2	153.4	9.7	0.0	440.4
04/26/15	23:00:00	90.9	1848.5	147.9	9.8	0.0	440.8
04/27/15	00:00:00	89.7	1848.7	142.4	9.8	0.0	441.2
04/27/15	01:00:00	89.1	1848.6	137.5	9.8	0.0	441.6
04/27/15	02:00:00	87.8	1848.7	132.7	9.8	0.0	442.1
04/27/15	03:00:00	85.5	1848.9	126.9	9.9	0.0	442.5

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/27/15	04:00:00	84.5	1848.7	119.7	9.8	0.0	442.9
04/27/15	05:00:00	86.3	1848.6	116.1	9.8	0.0	443.3
04/27/15	06:00:00	85.7	1848.7	113.3	9.8	0.0	443.7
04/27/15	07:00:00	83.5	1848.6	108.5	9.8	0.0	444.1
04/27/15	08:00:00	85.2	1848.3	105.1	9.7	0.0	444.5
04/27/15	09:00:00	89.9	1848.0	106.0	9.5	0.0	444.9
04/27/15	10:00:00	94.1	1848.6	109.8	9.6	0.0	445.3
04/27/15	11:00:00	97.2	1849.0	115.9	9.6	0.0	445.7
04/27/15	12:00:00	101.6	1849.4	124.5	9.6	0.0	446.1
04/27/15	13:00:00	103.7	1849.6	134.9	9.5	0.0	446.5
04/27/15	14:00:00	107.0	1849.4	146.8	9.2	0.0	446.9
04/27/15	15:00:00	109.7	1850.1	160.9	9.2	0.0	447.3
04/27/15	16:00:00	111.3	1850.6	176.1	9.2	0.0	447.7
04/27/15	17:00:00	110.9	1851.0	191.1	9.2	0.0	448.0
04/27/15	18:00:00	109.3	1851.3	202.6	9.3	0.0	448.4
04/27/15	19:00:00	108.5	1851.9	211.6	9.3	0.0	448.8
04/27/15	20:00:00	107.8	1852.0	219.2	9.3	0.0	449.2
04/27/15	21:00:00	103.2	1852.5	222.3	9.4	0.0	449.6
04/27/15	22:00:00	99.3	1852.7	216.8	9.4	0.0	450.0
04/27/15	23:00:00	99.0	1853.2	212.1	9.6	0.0	450.4
04/28/15	00:00:00	96.3	1853.8	207.5	9.7	0.0	450.8
04/28/15	01:00:00	92.5	1853.9	197.9	9.8	0.0	451.2
04/28/15	02:00:00	86.8	1853.7	184.1	9.8	0.0	451.6
04/28/15	03:00:00	85.2	1853.4	168.4	9.8	0.0	452.0
04/28/15	04:00:00	86.5	1853.4	157.7	9.8	0.0	452.4
04/28/15	05:00:00	84.6	1853.4	148.4	9.9	0.0	452.8
04/28/15	06:00:00	86.1	1853.4	141.3	9.8	0.0	453.2
04/28/15	07:00:00	85.8	1853.5	135.6	9.8	0.0	453.7
04/28/15	08:00:00	87.8	1853.6	131.8	9.8	0.0	454.1
04/28/15	09:00:00	88.9	1852.9	130.1	9.6	0.0	454.5
04/28/15	10:00:00	93.4	1852.8	131.4	9.5	0.0	454.9
04/28/15	11:00:00	99.8	1852.8	138.4	9.4	0.0	455.3
04/28/15	12:00:00	103.7	1853.2	149.3	9.3	0.0	455.6
04/28/15	13:00:00	107.8	1853.7	163.0	9.3	0.0	456.0
04/28/15	14:00:00	111.2	1854.1	180.0	9.2	0.0	456.4
04/28/15	15:00:00	113.4	1854.7	198.5	9.2	0.0	456.8
04/28/15	16:00:00	114.5	1854.9	217.7	9.1	0.0	457.2
04/28/15	17:00:00	112.8	1855.6	232.9	9.3	0.0	457.6
04/28/15	18:00:00	111.4	1856.0	245.0	9.3	0.0	458.0
04/28/15	19:00:00	108.0	1856.4	251.5	9.3	0.0	458.3
04/28/15	20:00:00	103.4	1856.5	250.2	9.4	0.0	458.7
04/28/15	21:00:00	99.9	1856.9	244.5	9.6	0.0	459.1
04/28/15	22:00:00	94.2	1857.1	232.7	9.7	0.0	459.5
04/28/15	23:00:00	89.6	1857.2	215.9	9.7	0.0	459.9
04/29/15	00:00:00	87.2	1857.0	198.4	9.8	0.0	460.4
04/29/15	01:00:00	86.3	1857.3	184.5	9.9	0.0	460.8
04/29/15	02:00:00	83.3	1857.1	169.1	9.9	0.0	461.2
04/29/15	03:00:00	83.5	1857.0	156.5	9.9	0.0	461.6
04/29/15	04:00:00	82.7	1856.7	145.7	9.9	0.0	462.0
04/29/15	05:00:00	81.9	1856.6	136.1	9.9	0.0	462.4
04/29/15	06:00:00	81.4	1856.3	127.4	9.9	0.0	462.8
04/29/15	07:00:00	84.5	1856.3	122.5	9.8	0.0	463.2
04/29/15	08:00:00	85.7	1856.5	120.3	9.8	0.0	463.6
04/29/15	09:00:00	89.9	1856.0	120.2	9.7	0.0	464.0
04/29/15	10:00:00	95.6	1856.2	125.2	9.6	0.0	464.4
04/29/15	11:00:00	99.8	1856.3	133.4	9.5	0.0	464.8
04/29/15	12:00:00	104.0	1856.6	144.9	9.3	0.0	465.2
04/29/15	13:00:00	106.9	1857.2	158.6	9.4	0.0	465.6
04/29/15	14:00:00	109.8	1857.6	174.4	9.3	0.0	466.0
04/29/15	15:00:00	111.7	1858.3	191.7	9.3	0.0	466.4
04/29/15	16:00:00	113.2	1858.7	209.9	9.3	0.0	466.8
04/29/15	17:00:00	112.9	1859.0	226.5	9.3	0.0	467.2

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/29/15	18:00:00	111.9	1859.2	240.5	9.3	0.0	467.6
04/29/15	19:00:00	109.1	1859.7	249.7	9.3	0.0	467.9
04/29/15	20:00:00	103.6	1859.6	250.7	9.3	0.0	468.3
04/29/15	21:00:00	98.0	1859.8	241.7	9.4	0.0	468.7
04/29/15	22:00:00	95.4	1860.2	230.2	9.5	0.0	469.1
04/29/15	23:00:00	95.0	1860.5	221.3	9.6	0.0	469.5
04/30/15	00:00:00	92.4	1860.6	211.7	9.7	0.0	469.9
04/30/15	01:00:00	89.9	1860.5	201.6	9.7	0.0	470.3
04/30/15	02:00:00	86.5	1860.5	186.7	9.8	0.0	470.7
04/30/15	03:00:00	85.0	1860.5	173.2	9.8	0.0	471.1
04/30/15	04:00:00	83.7	1860.3	161.3	9.8	0.0	471.6
04/30/15	05:00:00	84.0	1860.0	150.2	9.8	0.0	472.0
04/30/15	06:00:00	84.3	1859.8	142.7	9.7	0.0	472.4
04/30/15	07:00:00	82.1	1859.5	134.1	9.7	0.0	472.8
04/30/15	08:00:00	85.4	1859.5	128.8	9.7	0.0	473.2
04/30/15	09:00:00	91.9	1859.2	129.8	9.5	0.0	473.6
04/30/15	10:00:00	97.6	1859.6	136.7	9.5	0.0	474.0
04/30/15	11:00:00	101.9	1859.7	146.8	9.4	0.0	474.4
04/30/15	12:00:00	106.3	1859.8	159.9	9.2	0.0	474.7
04/30/15	13:00:00	110.1	1860.3	176.7	9.2	0.0	475.1
04/30/15	14:00:00	113.6	1861.1	196.2	9.2	0.0	475.5
04/30/15	15:00:00	115.4	1861.9	218.4	9.2	0.0	475.9
04/30/15	16:00:00	116.3	1862.3	239.8	9.2	0.0	476.3
04/30/15	17:00:00	115.9	1862.7	259.0	9.2	0.0	476.7
04/30/15	18:00:00	115.3	1862.8	275.5	9.2	0.0	477.0
04/30/15	19:00:00	112.3	1863.1	286.8	9.1	0.0	477.4
04/30/15	20:00:00	109.8	1863.2	291.6	9.2	0.0	477.8
04/30/15	21:00:00	104.7	1863.5	290.7	9.3	0.0	478.2
04/30/15	22:00:00	101.4	1864.1	282.0	9.5	0.0	478.6
04/30/15	23:00:00	97.8	1864.3	271.9	9.5	0.0	479.0
05/01/15	00:00:00	97.2	1864.6	261.4	9.6	0.0	479.4
05/01/15	00:00:00	97.2	1864.6	261.4	9.6	0.0	479.4
05/01/15	01:00:00	93.0	1864.5	247.9	9.6	0.0	479.8
05/01/15	02:00:00	90.2	1864.3	232.0	9.6	0.0	480.2
05/01/15	03:00:00	90.0	1864.4	218.2	9.7	0.0	480.6
05/01/15	04:00:00	88.5	1864.3	205.6	9.7	0.0	481.0
05/01/15	05:00:00	86.4	1864.1	192.4	9.7	0.0	481.4
05/01/15	06:00:00	84.4	1864.0	178.8	9.8	0.0	481.8
05/01/15	07:00:00	84.3	1863.5	166.3	9.6	0.0	482.2
05/01/15	08:00:00	89.1	1863.6	160.3	9.6	0.0	482.6
05/01/15	09:00:00	95.1	1863.1	162.5	9.4	0.0	483.0
05/01/15	10:00:00	100.6	1863.5	171.1	9.3	0.0	483.4
05/01/15	11:00:00	105.6	1863.8	183.8	9.4	0.0	483.8
05/01/15	12:00:00	106.8	1855.9	196.0	4.6	0.0	484.0
05/01/15	13:00:00	109.3	1845.8	187.1	0.0	0.0	484.0
05/01/15	14:00:00	116.2	1844.7	181.0	0.0	0.0	484.0
05/01/15	15:00:00	118.5	1843.8	177.0	0.0	0.0	484.0
05/01/15	16:00:00	116.4	1843.0	173.9	0.0	0.0	484.0
05/01/15	17:00:00	111.1	1842.2	171.4	0.0	0.0	484.0
05/01/15	18:00:00	102.9	1841.4	169.1	0.0	0.0	484.0
05/01/15	19:00:00	93.3	1841.0	167.0	0.0	0.0	484.0
05/01/15	20:00:00	83.0	1840.2	164.9	0.0	0.0	484.0
05/01/15	21:00:00	74.5	1839.8	162.9	0.0	0.0	484.0
05/01/15	22:00:00	70.0	1839.4	161.0	0.0	0.0	484.0
05/01/15	23:00:00	67.3	1839.0	159.1	0.0	0.0	484.0
05/02/15	00:00:00	65.7	1838.6	157.4	0.0	0.0	484.0
05/02/15	01:00:00	63.6	1838.2	155.9	0.0	0.0	484.0
05/02/15	02:00:00	59.9	1837.8	154.4	0.0	0.0	484.0
05/02/15	03:00:00	58.0	1837.5	153.0	0.0	0.0	484.0
05/02/15	04:00:00	57.5	1837.1	151.7	0.0	0.0	484.0
05/02/15	05:00:00	56.2	1836.8	150.4	0.0	0.0	484.0
05/02/15	06:00:00	53.6	1836.5	149.3	0.0	0.0	484.0
05/02/15	07:00:00	53.2	1836.2	148.2	0.0	0.0	484.0
05/02/15	08:00:00	56.5	1835.9	147.2	0.0	0.0	484.0
05/02/15	09:00:00	60.7	1835.4	146.5	0.0	0.0	484.0
05/02/15	10:00:00	66.6	1835.3	145.7	0.0	0.0	484.0
05/02/15	11:00:00	77.9	1834.8	145.1	0.0	0.0	484.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/02/15	12:00:00	92.2	1834.5	144.7	0.0	0.0	484.0
05/02/15	13:00:00	101.9	1834.4	144.2	0.0	0.0	484.0
05/02/15	14:00:00	108.6	1834.2	143.7	0.0	0.0	484.0
05/02/15	15:00:00	110.8	1834.0	143.3	0.0	0.0	484.0
05/02/15	16:00:00	109.3	1833.8	143.0	0.0	0.0	484.0
05/02/15	17:00:00	104.2	1833.5	142.6	0.0	0.0	484.0
05/02/15	18:00:00	96.8	1833.1	142.3	0.0	0.0	484.0
05/02/15	19:00:00	86.5	1833.1	141.8	0.0	0.0	484.0
05/02/15	20:00:00	77.0	1832.7	141.2	0.0	0.0	484.0
05/02/15	21:00:00	69.2	1832.6	140.6	0.0	0.0	484.0
05/02/15	22:00:00	64.2	1832.5	139.9	0.0	0.0	484.0
05/02/15	23:00:00	61.0	1832.4	139.1	0.0	0.0	484.0
05/03/15	00:00:00	58.6	1832.2	138.4	0.0	0.0	484.0
05/03/15	01:00:00	57.0	1832.1	137.7	0.0	0.0	484.0
05/03/15	02:00:00	55.1	1831.9	137.1	0.0	0.0	484.0
05/03/15	03:00:00	53.7	1831.8	136.5	0.0	0.0	484.0
05/03/15	04:00:00	52.6	1831.7	135.9	0.0	0.0	484.0
05/03/15	05:00:00	51.8	1831.5	135.4	0.0	0.0	484.0
05/03/15	06:00:00	51.3	1831.3	134.9	0.0	0.0	484.0
05/03/15	07:00:00	50.5	1831.2	134.4	0.0	0.0	484.0
05/03/15	08:00:00	54.0	1831.0	134.0	0.0	0.0	484.0
05/03/15	09:00:00	58.3	1830.8	133.7	0.0	0.0	484.0
05/03/15	10:00:00	63.5	1830.7	133.5	0.0	0.0	484.0
05/03/15	11:00:00	73.7	1830.4	133.4	0.0	0.0	484.0
05/03/15	12:00:00	91.1	1831.0	133.4	0.8	0.0	484.0
05/03/15	13:00:00	99.9	1845.9	131.7	8.8	0.0	484.4
05/03/15	14:00:00	104.8	1849.0	134.6	9.2	0.0	484.8
05/03/15	15:00:00	106.6	1850.5	141.7	9.2	0.0	485.1
05/03/15	16:00:00	107.1	1851.9	150.3	9.4	0.0	485.5
05/03/15	17:00:00	105.7	1852.6	158.2	9.4	0.0	485.9
05/03/15	18:00:00	102.8	1853.2	162.5	9.3	0.0	486.3
05/03/15	19:00:00	98.9	1854.2	163.2	9.4	0.0	486.7
05/03/15	20:00:00	94.2	1854.6	159.0	9.5	0.0	487.1
05/03/15	21:00:00	90.5	1855.2	151.5	9.6	0.0	487.5
05/03/15	22:00:00	88.1	1855.8	143.4	9.7	0.0	487.9
05/03/15	23:00:00	85.5	1856.2	135.0	9.7	0.0	488.3
05/04/15	00:00:00	85.1	1856.5	127.4	9.7	0.0	488.7
05/04/15	01:00:00	84.5	1856.6	121.5	9.7	0.0	489.1
05/04/15	02:00:00	83.8	1856.9	115.9	9.7	0.0	489.5
05/04/15	03:00:00	83.9	1857.1	111.3	9.7	0.0	489.9
05/04/15	04:00:00	83.6	1857.2	107.5	9.7	0.0	490.3
05/04/15	05:00:00	82.9	1857.4	103.7	9.7	0.0	490.7
05/04/15	06:00:00	82.3	1857.6	100.0	9.7	0.0	491.1
05/04/15	07:00:00	81.9	1858.0	96.3	9.7	0.0	491.5
05/04/15	08:00:00	85.0	1858.2	94.7	9.7	0.0	491.9
05/04/15	09:00:00	88.6	1858.4	96.2	9.6	0.0	492.3
05/04/15	10:00:00	91.9	1858.8	99.5	9.6	0.0	492.7
05/04/15	11:00:00	94.6	1858.7	104.3	9.4	0.0	493.1
05/04/15	12:00:00	95.0	1851.1	109.4	5.9	1.2	493.3
05/04/15	13:00:00	91.9	1841.5	110.7	0.0	0.0	493.3
05/04/15	14:00:00	94.3	1840.6	112.3	0.0	0.0	493.3
05/04/15	15:00:00	87.7	1834.5	115.7	0.0	3.9	493.2
05/04/15	16:00:00	84.0	1830.9	121.8	0.0	5.1	493.0
05/04/15	17:00:00	83.0	1837.3	123.9	0.0	0.0	493.0
05/04/15	18:00:00	83.6	1837.3	123.1	0.0	0.0	493.0
05/04/15	19:00:00	75.6	1837.2	122.8	0.0	0.0	493.0
05/04/15	20:00:00	68.6	1836.6	122.7	0.0	0.0	493.0
05/04/15	21:00:00	61.9	1836.3	122.6	0.0	0.0	493.0
05/04/15	22:00:00	57.0	1836.1	122.4	0.0	0.0	493.0
05/04/15	23:00:00	53.1	1835.8	122.3	0.0	0.0	493.0
05/05/15	00:00:00	50.7	1835.6	122.2	0.0	0.0	493.0
05/05/15	01:00:00	49.5	1835.3	122.0	0.0	0.0	493.0
05/05/15	02:00:00	48.4	1835.0	121.9	0.0	0.0	493.0
05/05/15	03:00:00	46.8	1834.8	121.8	0.0	0.0	493.0
05/05/15	04:00:00	45.4	1834.6	121.6	0.0	0.0	493.0
05/05/15	05:00:00	44.7	1834.3	121.5	0.0	0.0	493.0
05/05/15	06:00:00	43.7	1834.1	121.3	0.0	0.0	493.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/05/15	07:00:00	43.8	1834.0	121.2	0.0	0.0	493.0
05/05/15	08:00:00	49.9	1833.7	121.2	0.0	0.0	493.0
05/05/15	09:00:00	76.6	1825.9	128.2	0.0	5.1	492.7
05/05/15	10:00:00	77.0	1832.2	130.9	0.0	0.1	492.7
05/05/15	11:00:00	78.6	1812.3	137.8	0.0	9.5	492.3
05/05/15	12:00:00	86.7	1830.5	142.2	0.0	0.0	492.3
05/05/15	13:00:00	81.7	1610.4	175.9	0.0	34.2	490.9
05/05/15	14:00:00	94.4	1822.8	211.6	0.0	0.6	490.9
05/05/15	15:00:00	100.8	1829.1	189.6	0.0	0.4	490.9
05/05/15	16:00:00	99.6	1829.5	179.3	0.0	0.2	490.9
05/05/15	17:00:00	94.7	1829.4	172.8	0.0	0.1	490.9
05/05/15	18:00:00	81.3	1779.0	178.2	0.0	13.2	490.3
05/05/15	19:00:00	79.2	1798.2	205.9	0.1	4.1	490.2
05/05/15	20:00:00	92.0	1839.8	184.7	7.8	0.0	490.5
05/05/15	21:00:00	92.4	1845.7	166.1	9.5	0.0	490.9
05/05/15	22:00:00	89.9	1847.8	151.5	9.6	0.0	491.3
05/05/15	23:00:00	86.8	1849.4	138.1	9.7	0.0	491.7
05/06/15	00:00:00	85.2	1850.6	126.2	9.7	0.0	492.1
05/06/15	01:00:00	85.1	1851.3	117.4	9.8	0.0	492.5
05/06/15	02:00:00	80.2	1851.4	108.1	9.7	0.0	492.9
05/06/15	03:00:00	79.8	1851.6	100.3	9.7	0.0	493.3
05/06/15	04:00:00	80.3	1852.0	94.9	9.7	0.0	493.7
05/06/15	05:00:00	78.0	1852.2	89.5	9.7	0.0	494.1
05/06/15	06:00:00	77.6	1852.5	84.5	9.7	0.0	494.5
05/06/15	07:00:00	78.1	1853.0	81.1	9.7	0.1	494.9
05/06/15	08:00:00	83.3	1853.4	79.6	9.6	0.4	495.3
05/06/15	09:00:00	79.7	1775.8	91.4	0.5	16.5	494.6
05/06/15	10:00:00	80.6	1719.4	128.5	0.0	21.7	493.7
05/06/15	11:00:00	82.3	1710.0	167.3	0.0	21.6	492.8
05/06/15	12:00:00	83.8	1706.3	204.8	0.0	21.5	491.9
05/06/15	13:00:00	85.1	1704.4	237.1	0.0	21.4	491.0
05/06/15	14:00:00	86.2	1704.4	259.6	0.0	21.0	490.2
05/06/15	15:00:00	87.1	1701.7	273.7	0.0	21.1	489.3
05/06/15	16:00:00	87.7	1701.4	281.9	0.0	20.9	488.4
05/06/15	17:00:00	88.3	1696.3	287.9	0.0	21.3	487.5
05/06/15	18:00:00	88.7	1694.8	293.4	0.0	21.2	486.6
05/06/15	19:00:00	92.0	1822.9	282.2	4.8	0.2	486.8
05/06/15	20:00:00	99.7	1836.4	255.7	9.3	0.0	487.2
05/06/15	21:00:00	97.2	1838.8	236.8	9.3	0.0	487.6
05/06/15	22:00:00	95.6	1841.0	219.6	9.5	0.0	488.0
05/06/15	23:00:00	92.5	1843.0	203.2	9.6	0.0	488.4
05/07/15	00:00:00	88.4	1844.2	186.6	9.6	0.0	488.8
05/07/15	01:00:00	86.1	1842.4	171.3	8.6	0.1	489.1
05/07/15	02:00:00	88.5	1845.7	159.2	9.5	0.3	489.5
05/07/15	03:00:00	88.2	1842.4	151.8	8.2	0.1	489.9
05/07/15	04:00:00	87.8	1845.7	145.1	9.2	0.2	490.2
05/07/15	05:00:00	87.7	1844.7	139.0	8.6	0.0	490.6
05/07/15	06:00:00	85.3	1843.2	133.5	8.0	0.0	490.9
05/07/15	07:00:00	84.2	1846.4	126.7	9.0	0.0	491.3
05/07/15	08:00:00	86.4	1848.6	122.0	9.5	0.1	491.7
05/07/15	09:00:00	82.5	1757.7	133.8	0.2	18.1	491.0
05/07/15	10:00:00	83.9	1706.0	174.5	0.0	21.7	490.0
05/07/15	11:00:00	85.3	1690.1	218.5	0.0	22.9	489.1
05/07/15	12:00:00	86.5	1687.5	259.6	0.0	22.8	488.1
05/07/15	13:00:00	87.6	1684.9	289.6	0.0	22.9	487.2
05/07/15	14:00:00	88.5	1683.3	307.9	0.0	22.7	486.2
05/07/15	15:00:00	89.2	1681.3	318.4	0.0	22.7	485.3
05/07/15	16:00:00	89.7	1678.2	324.7	0.0	22.7	484.4
05/07/15	17:00:00	90.1	1676.3	330.3	0.0	22.7	483.4
05/07/15	18:00:00	90.3	1674.3	335.5	0.0	22.7	482.5
05/07/15	19:00:00	83.7	1814.7	318.6	4.1	0.2	482.6
05/07/15	20:00:00	88.5	1830.7	267.2	9.6	0.0	483.0
05/07/15	21:00:00	89.3	1832.9	234.7	9.5	0.0	483.4
05/07/15	22:00:00	94.7	1835.0	217.2	9.4	0.0	483.8
05/07/15	23:00:00	91.4	1837.2	204.1	9.6	0.0	484.2
05/08/15	00:00:00	90.3	1838.6	189.5	9.5	0.0	484.6
05/08/15	01:00:00	86.5	1840.0	176.9	9.7	0.0	485.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/08/15	02:00:00	86.2	1840.7	164.1	9.6	0.0	485.4
05/08/15	03:00:00	82.2	1841.7	151.3	9.7	0.0	485.8
05/08/15	04:00:00	79.6	1841.7	136.3	9.6	0.0	486.2
05/08/15	05:00:00	80.8	1842.0	125.4	9.6	0.0	486.6
05/08/15	06:00:00	79.0	1842.7	117.2	9.7	0.0	487.0
05/08/15	07:00:00	78.5	1843.0	108.8	9.6	0.0	487.4
05/08/15	08:00:00	76.8	1834.8	105.7	4.7	0.0	487.6
05/08/15	09:00:00	80.0	1733.9	132.8	0.0	21.3	486.7
05/08/15	10:00:00	82.7	1696.8	180.8	0.0	22.0	485.8
05/08/15	11:00:00	84.9	1687.2	231.3	0.0	22.4	484.9
05/08/15	12:00:00	86.4	1690.4	272.8	0.0	21.5	484.0
05/08/15	13:00:00	87.6	1690.8	302.1	0.0	21.3	483.1
05/08/15	14:00:00	88.5	1690.5	320.5	0.0	21.1	482.2
05/08/15	15:00:00	89.3	1685.5	331.6	0.0	21.5	481.3
05/08/15	16:00:00	89.8	1687.9	338.0	0.0	21.0	480.4
05/08/15	17:00:00	90.2	1686.6	341.5	0.0	20.9	479.6
05/08/15	18:00:00	90.5	1684.9	344.6	0.0	20.9	478.7
05/08/15	19:00:00	87.3	1806.3	330.5	0.0	0.0	478.7
05/08/15	20:00:00	94.6	1815.7	298.2	4.6	0.0	478.9
05/08/15	21:00:00	97.1	1827.0	274.5	9.0	0.0	479.3
05/08/15	22:00:00	95.4	1830.3	252.8	9.4	0.0	479.7
05/08/15	23:00:00	91.8	1832.5	232.8	9.5	0.0	480.0
05/09/15	00:00:00	88.1	1834.1	211.3	9.5	0.0	480.4
05/09/15	01:00:00	84.4	1835.3	189.7	9.5	0.0	480.8
05/09/15	02:00:00	82.4	1836.5	171.1	9.7	0.0	481.2
05/09/15	03:00:00	81.8	1837.1	156.8	9.6	0.0	481.6
05/09/15	04:00:00	82.0	1837.9	144.8	9.6	0.0	482.0
05/09/15	05:00:00	81.6	1838.6	134.1	9.7	0.0	482.4
05/09/15	06:00:00	82.0	1839.0	125.5	9.6	0.0	482.8
05/09/15	07:00:00	80.9	1839.6	118.2	9.7	0.0	483.2
05/09/15	08:00:00	84.2	1839.3	113.8	9.3	0.0	483.6
05/09/15	09:00:00	72.7	1822.8	117.4	0.2	0.1	483.6
05/09/15	10:00:00	66.9	1821.8	124.1	0.0	0.0	483.6
05/09/15	11:00:00	74.7	1821.4	128.7	0.0	0.0	483.6
05/09/15	12:00:00	85.7	1821.1	132.1	0.0	0.0	483.6
05/09/15	13:00:00	93.2	1821.1	134.6	0.0	0.0	483.6
05/09/15	14:00:00	97.4	1821.1	136.4	0.0	0.0	483.6
05/09/15	15:00:00	99.0	1821.0	137.8	0.0	0.0	483.6
05/09/15	16:00:00	98.2	1820.8	138.9	0.0	0.0	483.6
05/09/15	17:00:00	94.8	1820.6	139.9	0.0	0.0	483.6
05/09/15	18:00:00	88.8	1820.5	140.5	0.0	0.0	483.6
05/09/15	19:00:00	80.8	1820.5	140.9	0.0	0.0	483.6
05/09/15	20:00:00	73.4	1820.2	141.1	0.0	0.0	483.6
05/09/15	21:00:00	66.7	1820.1	141.2	0.0	0.0	483.6
05/09/15	22:00:00	61.7	1820.1	141.0	0.0	0.0	483.6
05/09/15	23:00:00	58.6	1820.1	140.8	0.0	0.0	483.6
05/10/15	00:00:00	56.5	1820.1	140.6	0.0	0.0	483.6
05/10/15	01:00:00	54.6	1820.0	140.3	0.0	0.0	483.6
05/10/15	02:00:00	52.3	1819.9	140.0	0.0	0.0	483.6
05/10/15	03:00:00	50.5	1819.8	139.6	0.0	0.0	483.6
05/10/15	04:00:00	49.2	1819.8	139.3	0.0	0.0	483.6
05/10/15	05:00:00	47.9	1819.7	139.0	0.0	0.0	483.6
05/10/15	06:00:00	46.7	1819.6	138.6	0.0	0.0	483.6
05/10/15	07:00:00	46.1	1819.6	138.3	0.0	0.0	483.6
05/10/15	08:00:00	50.7	1819.6	138.1	0.0	0.0	483.6
05/10/15	09:00:00	56.5	1819.3	138.0	0.0	0.0	483.6
05/10/15	10:00:00	62.6	1819.3	137.8	0.0	0.0	483.6
05/10/15	11:00:00	74.2	1819.1	137.8	0.0	0.0	483.6
05/10/15	12:00:00	88.5	1818.9	137.9	0.0	0.0	483.6
05/10/15	13:00:00	98.3	1818.9	137.9	0.0	0.0	483.6
05/10/15	14:00:00	103.0	1819.0	137.8	0.0	0.0	483.6
05/10/15	15:00:00	105.2	1819.0	137.8	0.0	0.0	483.6
05/10/15	16:00:00	104.7	1818.9	137.8	0.0	0.0	483.6
05/10/15	17:00:00	98.8	1818.7	137.9	0.0	0.0	483.6
05/10/15	18:00:00	91.8	1818.6	137.8	0.0	0.0	483.6
05/10/15	19:00:00	82.8	1818.7	137.7	0.0	0.0	483.6
05/10/15	20:00:00	74.7	1818.5	137.5	0.0	0.0	483.6

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/10/15	21:00:00	66.4	1818.5	137.2	0.0	0.0	483.6
05/10/15	22:00:00	60.7	1818.5	136.8	0.0	0.0	483.6
05/10/15	23:00:00	56.6	1818.5	136.4	0.0	0.0	483.6
05/11/15	00:00:00	53.4	1818.5	135.9	0.0	0.0	483.6
05/11/15	01:00:00	51.3	1818.5	135.5	0.0	0.0	483.6
05/11/15	02:00:00	50.0	1818.5	135.1	0.0	0.0	483.6
05/11/15	03:00:00	49.1	1818.5	134.7	0.0	0.0	483.6
05/11/15	04:00:00	48.7	1818.4	134.3	0.0	0.0	483.6
05/11/15	05:00:00	48.8	1818.4	133.9	0.0	0.0	483.6
05/11/15	06:00:00	49.1	1818.3	133.6	0.0	0.0	483.6
05/11/15	07:00:00	48.7	1818.3	133.3	0.0	0.0	483.6
05/11/15	08:00:00	53.0	1818.3	133.1	0.0	0.0	483.6
05/11/15	09:00:00	60.1	1818.0	133.1	0.0	0.0	483.6
05/11/15	10:00:00	65.5	1818.0	133.0	0.0	0.0	483.6
05/11/15	11:00:00	74.5	1817.8	133.0	0.0	0.0	483.6
05/11/15	12:00:00	85.7	1817.8	133.2	0.0	0.0	483.6
05/11/15	13:00:00	93.4	1817.8	133.2	0.0	0.0	483.6
05/11/15	14:00:00	96.7	1817.9	133.2	0.0	0.0	483.6
05/11/15	15:00:00	97.9	1817.9	133.2	0.0	0.0	483.6
05/11/15	16:00:00	97.0	1817.8	133.2	0.0	0.0	483.6
05/11/15	17:00:00	92.4	1817.6	133.3	0.0	0.0	483.6
05/11/15	18:00:00	86.2	1817.6	133.3	0.0	0.0	483.6
05/11/15	19:00:00	80.7	1821.1	132.3	2.4	0.0	483.7
05/11/15	20:00:00	92.4	1834.5	121.7	8.9	0.0	484.1
05/11/15	21:00:00	89.5	1836.2	113.4	9.2	0.0	484.5
05/11/15	22:00:00	87.6	1837.6	105.9	9.3	0.0	484.9
05/11/15	23:00:00	85.6	1838.2	99.9	9.3	0.0	485.3
05/12/15	00:00:00	84.5	1839.4	94.7	9.6	0.0	485.7
05/12/15	01:00:00	84.6	1839.9	90.8	9.5	0.0	486.1
05/12/15	02:00:00	84.5	1840.4	88.0	9.5	0.0	486.5
05/12/15	03:00:00	84.3	1841.0	85.9	9.5	0.0	486.9
05/12/15	04:00:00	82.6	1841.6	83.5	9.6	0.0	487.2
05/12/15	05:00:00	82.1	1842.1	80.9	9.6	0.0	487.6
05/12/15	06:00:00	82.4	1842.4	79.2	9.5	0.0	488.0
05/12/15	07:00:00	83.5	1843.0	78.1	9.5	0.0	488.4
05/12/15	08:00:00	85.9	1843.4	78.4	9.5	0.0	488.8
05/12/15	09:00:00	87.6	1843.8	79.8	9.5	0.0	489.2
05/12/15	10:00:00	90.5	1844.6	82.1	9.5	0.0	489.6
05/12/15	11:00:00	94.0	1843.3	86.4	9.4	1.1	490.0
05/12/15	12:00:00	87.3	1827.2	89.8	1.1	1.2	490.0
05/12/15	13:00:00	87.6	1826.2	92.9	0.0	0.0	490.0
05/12/15	14:00:00	83.1	1819.0	98.9	0.0	4.9	489.8
05/12/15	15:00:00	89.0	1824.4	103.5	0.0	0.2	489.8
05/12/15	16:00:00	81.4	1805.3	111.3	0.0	9.6	489.4
05/12/15	17:00:00	84.3	1821.9	117.7	0.0	0.3	489.4
05/12/15	18:00:00	80.3	1737.9	132.8	0.0	19.0	488.6
05/12/15	19:00:00	77.8	1814.6	149.6	0.0	0.8	488.5
05/12/15	20:00:00	81.6	1643.6	178.2	0.0	28.7	487.3
05/12/15	21:00:00	75.5	1809.0	204.8	0.0	1.0	487.3
05/12/15	22:00:00	81.7	1829.6	171.2	7.1	0.0	487.6
05/12/15	23:00:00	86.7	1835.3	145.1	9.1	0.0	488.0
05/13/15	00:00:00	85.3	1838.1	127.7	9.6	0.0	488.4
05/13/15	01:00:00	84.8	1839.4	115.5	9.6	0.0	488.8
05/13/15	02:00:00	81.6	1840.5	104.5	9.6	0.0	489.2
05/13/15	03:00:00	83.6	1840.0	97.8	9.0	0.0	489.5
05/13/15	04:00:00	81.8	1832.8	97.1	6.0	0.0	489.8
05/13/15	05:00:00	79.6	1836.5	92.4	7.6	0.0	490.1
05/13/15	06:00:00	78.0	1836.7	88.1	7.6	0.0	490.4
05/13/15	07:00:00	76.5	1836.8	83.7	7.6	0.0	490.7
05/13/15	08:00:00	78.8	1837.1	79.9	7.6	0.0	491.0
05/13/15	09:00:00	88.4	1837.5	81.0	7.5	0.0	491.4
05/13/15	10:00:00	91.4	1838.0	84.0	7.5	0.0	491.7
05/13/15	11:00:00	92.6	1842.0	87.0	8.8	0.0	492.0
05/13/15	12:00:00	93.2	1837.2	90.3	5.4	0.1	492.3
05/13/15	13:00:00	82.7	1679.3	109.6	0.0	27.0	491.1
05/13/15	14:00:00	83.2	1646.9	168.1	0.0	27.8	490.0
05/13/15	15:00:00	85.2	1644.0	231.3	0.0	28.3	488.8

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
05/13/15	16:00:00	87.0	1644.2	279.6	0.0	28.2	487.6
05/13/15	17:00:00	88.4	1642.3	312.7	0.0	28.1	486.5
05/13/15	18:00:00	84.3	1809.0	300.6	0.0	0.2	486.4
05/13/15	19:00:00	82.9	1822.1	253.1	5.0	0.0	486.7
05/13/15	20:00:00	90.5	1832.1	211.1	9.4	0.0	487.0
05/13/15	21:00:00	89.1	1834.1	184.1	9.4	0.0	487.4
05/13/15	22:00:00	87.3	1835.7	163.0	9.5	0.0	487.8
05/13/15	23:00:00	86.1	1837.2	146.2	9.5	0.0	488.2
05/14/15	00:00:00	84.0	1838.4	133.4	9.5	0.0	488.6
05/14/15	01:00:00	82.1	1839.2	121.3	9.6	0.0	489.0
05/14/15	02:00:00	82.0	1839.7	113.4	9.5	0.0	489.4
05/14/15	03:00:00	80.6	1840.4	105.9	9.6	0.0	489.8
05/14/15	04:00:00	83.0	1840.8	100.5	9.5	0.0	490.2
05/14/15	05:00:00	82.5	1841.3	97.1	9.5	0.0	490.6
05/14/15	06:00:00	78.8	1841.7	91.5	9.6	0.0	491.0
05/14/15	07:00:00	80.6	1842.0	87.2	9.5	0.0	491.4
05/14/15	08:00:00	84.0	1842.4	85.7	9.4	0.0	491.8
05/14/15	09:00:00	89.0	1842.6	87.9	9.2	0.0	492.2
05/14/15	10:00:00	91.3	1843.4	90.9	9.3	0.0	492.6
05/14/15	11:00:00	94.7	1844.1	95.3	9.2	0.0	493.0
05/14/15	12:00:00	93.5	1836.4	100.3	5.3	0.5	493.2
05/14/15	13:00:00	83.9	1679.4	114.7	0.0	27.7	492.0
05/14/15	14:00:00	84.2	1554.5	166.6	0.0	39.1	490.4
05/14/15	15:00:00	86.8	1490.2	243.0	0.1	44.7	488.5
05/14/15	16:00:00	89.1	1484.6	314.3	0.1	44.6	486.7
05/14/15	17:00:00	90.8	1480.7	362.7	0.1	44.3	484.8
05/14/15	18:00:00	84.0	1795.9	357.1	0.0	1.1	484.8
05/14/15	19:00:00	81.0	1817.3	295.3	5.1	0.0	485.0
05/14/15	20:00:00	85.9	1827.2	238.7	9.3	0.0	485.4
05/14/15	21:00:00	87.5	1829.1	201.6	9.3	0.0	485.8
05/14/15	22:00:00	88.2	1831.0	180.2	9.4	0.0	486.2
05/14/15	23:00:00	87.0	1832.8	163.3	9.4	0.0	486.6
05/15/15	00:00:00	83.9	1834.3	146.9	9.5	0.0	487.0
05/15/15	01:00:00	83.0	1835.3	133.8	9.5	0.0	487.3
05/15/15	02:00:00	83.1	1836.1	124.2	9.5	0.0	487.7
05/15/15	03:00:00	83.3	1836.8	117.7	9.5	0.0	488.1
05/15/15	04:00:00	82.7	1837.4	111.0	9.5	0.0	488.5
05/15/15	05:00:00	82.3	1838.0	105.3	9.5	0.0	488.9
05/15/15	06:00:00	80.0	1838.6	100.2	9.6	0.0	489.3
05/15/15	07:00:00	79.7	1838.7	93.9	9.4	0.0	489.7
05/15/15	08:00:00	83.3	1839.3	91.6	9.4	0.0	490.1
05/15/15	09:00:00	88.0	1839.7	92.8	9.3	0.0	490.5
05/15/15	10:00:00	91.6	1840.5	95.5	9.2	0.0	490.9
05/15/15	11:00:00	95.1	1841.2	100.9	9.2	0.0	491.3
05/15/15	12:00:00	96.6	1833.7	106.3	4.8	0.1	491.5
05/15/15	13:00:00	83.8	1536.5	124.6	0.1	41.4	489.7
05/15/15	14:00:00	85.4	1500.5	195.1	0.1	44.1	487.9
05/15/15	15:00:00	88.0	1494.2	277.6	0.1	43.9	486.1
05/15/15	16:00:00	90.2	1478.3	345.5	0.1	44.4	484.2
05/15/15	17:00:00	91.7	1468.8	390.7	0.1	44.6	482.4
05/15/15	18:00:00	87.4	1792.0	382.2	0.0	1.0	482.3
05/15/15	19:00:00	73.1	1805.7	323.9	0.0	0.0	482.3
05/15/15	20:00:00	68.5	1806.6	289.3	0.0	0.0	482.3
05/15/15	21:00:00	61.2	1807.1	265.3	0.0	0.0	482.3
05/15/15	22:00:00	57.3	1807.7	247.5	0.0	0.0	482.3
05/15/15	23:00:00	54.9	1808.1	233.6	0.0	0.0	482.3
05/16/15	00:00:00	52.7	1808.4	222.5	0.0	0.0	482.3
05/16/15	01:00:00	51.3	1808.7	213.4	0.0	0.0	482.3
05/16/15	02:00:00	50.6	1809.1	205.8	0.0	0.0	482.3
05/16/15	03:00:00	50.3	1809.3	199.3	0.0	0.0	482.3
05/16/15	04:00:00	49.3	1809.5	193.7	0.0	0.0	482.3
05/16/15	05:00:00	49.1	1809.7	188.8	0.0	0.0	482.3
05/16/15	06:00:00	48.4	1809.9	184.5	0.0	0.0	482.3
05/16/15	07:00:00	48.0	1810.2	181.1	0.0	0.0	482.3
05/16/15	08:00:00	(3)	(3)	(3)	(3)	(3)	482.3
05/16/15	09:00:00	(3)	(3)	(3)	(3)	(3)	482.3
05/16/15	10:00:00	(3)	(3)	(3)	(3)	(3)	482.3

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
05/16/15	11:00:00	(3)	(3)	(3)	(3)	(3)	482.3
05/16/15	12:00:00	(3)	(3)	(3)	(3)	(3)	482.3
05/16/15	13:00:00	106.1	1810.9	165.5	4.3	4.3	482.3
05/16/15	14:00:00	104.0	1811.0	164.6	7.2	7.3	482.3
05/16/15	15:00:00	101.8	1811.2	163.1	0.0	0.0	482.3
05/16/15	16:00:00	102.3	1811.2	161.8	0.0	0.0	482.3
05/16/15	17:00:00	96.6	1811.1	160.6	0.0	0.0	482.3
05/16/15	18:00:00	88.5	1811.2	159.4	0.0	0.0	482.3
05/16/15	19:00:00	79.6	1811.4	158.2	0.0	0.0	482.3
05/16/15	20:00:00	71.7	1811.3	157.0	0.0	0.0	482.3
05/16/15	21:00:00	65.0	1811.4	155.7	0.0	0.0	482.3
05/16/15	22:00:00	60.4	1811.5	154.5	0.0	0.0	482.3
05/16/15	23:00:00	57.1	1811.6	153.3	0.0	0.0	482.3
05/17/15	00:00:00	55.1	1811.7	152.2	0.0	0.0	482.3
05/17/15	01:00:00	53.4	1811.7	151.1	0.0	0.0	482.3
05/17/15	02:00:00	52.1	1811.8	150.1	0.0	0.0	482.3
05/17/15	03:00:00	51.5	1811.9	149.1	0.0	0.0	482.3
05/17/15	04:00:00	51.0	1811.9	148.2	0.0	0.0	482.3
05/17/15	05:00:00	50.5	1811.9	147.4	0.0	0.0	482.3
05/17/15	06:00:00	49.8	1811.9	146.6	0.0	0.0	482.3
05/17/15	07:00:00	50.0	1812.0	145.9	0.0	0.0	482.3
05/17/15	08:00:00	54.8	1812.0	145.3	0.0	0.0	482.3
05/17/15	09:00:00	60.3	1812.0	144.7	0.0	0.0	482.3
05/17/15	10:00:00	65.4	1812.0	144.2	0.0	0.0	482.3
05/17/15	11:00:00	72.0	1812.0	143.8	0.0	0.0	482.3
05/17/15	12:00:00	78.4	1811.9	143.5	0.0	0.0	482.3
05/17/15	13:00:00	89.5	1811.8	143.1	0.0	0.0	482.3
05/17/15	14:00:00	92.5	1811.9	142.8	0.0	0.0	482.3
05/17/15	15:00:00	87.6	1812.0	142.6	0.0	0.0	482.3
05/17/15	16:00:00	90.9	1812.0	142.4	0.0	0.0	482.3
05/17/15	17:00:00	89.3	1811.8	142.1	0.0	0.0	482.3
05/17/15	18:00:00	81.5	1811.8	141.8	0.0	0.0	482.3
05/17/15	19:00:00	73.7	1811.8	141.4	0.0	0.0	482.3
05/17/15	20:00:00	67.1	1811.9	141.0	0.0	0.0	482.3
05/17/15	21:00:00	62.6	1811.9	140.4	0.0	0.0	482.3
05/17/15	22:00:00	59.5	1811.9	139.9	0.0	0.0	482.3
05/17/15	23:00:00	57.2	1812.0	139.3	0.0	0.0	482.3
05/18/15	00:00:00	55.3	1811.9	138.9	0.0	0.0	482.3
05/18/15	01:00:00	54.9	1812.0	138.4	0.0	0.0	482.3
05/18/15	02:00:00	55.0	1812.0	138.0	0.0	0.0	482.3
05/18/15	03:00:00	54.7	1811.9	137.6	0.0	0.0	482.3
05/18/15	04:00:00	54.3	1811.9	137.2	0.0	0.0	482.3
05/18/15	05:00:00	53.6	1811.9	136.8	0.0	0.0	482.3
05/18/15	06:00:00	52.4	1811.9	136.5	0.0	0.0	482.3
05/18/15	07:00:00	52.2	1812.0	136.2	0.0	0.0	482.3
05/18/15	08:00:00	56.2	1811.9	135.9	0.0	0.0	482.3
05/18/15	09:00:00	60.9	1811.8	135.7	0.0	0.0	482.3
05/18/15	10:00:00	72.0	1811.8	135.6	4.4	4.5	482.3
05/18/15	11:00:00	78.3	1811.7	135.5	3.0	3.1	482.3
05/18/15	12:00:00	82.5	1811.7	135.5	0.0	0.0	482.3
05/18/15	13:00:00	90.9	1811.6	135.5	0.0	0.0	482.3
05/18/15	14:00:00	94.9	1811.7	135.5	0.0	0.0	482.3
05/18/15	15:00:00	96.9	1811.8	135.4	0.0	0.0	482.3
05/18/15	16:00:00	96.3	1811.8	135.4	0.0	0.0	482.3
05/18/15	17:00:00	91.4	1811.6	135.3	0.0	0.0	482.3
05/18/15	18:00:00	84.5	1811.7	135.3	0.0	0.0	482.3
05/18/15	19:00:00	76.3	1811.7	135.1	0.0	0.0	482.3
05/18/15	20:00:00	68.6	1811.6	134.9	0.0	1.8	482.3
05/18/15	21:00:00	62.4	1811.5	134.5	0.0	1.2	482.2
05/18/15	22:00:00	57.9	1811.6	134.2	0.0	0.0	482.2
05/18/15	23:00:00	54.5	1811.7	133.8	0.0	0.0	482.2
05/19/15	00:00:00	52.2	1811.6	133.4	0.0	0.0	482.2
05/19/15	01:00:00	50.8	1811.7	133.0	0.0	0.0	482.2
05/19/15	02:00:00	49.5	1811.7	132.7	0.0	0.0	482.2
05/19/15	03:00:00	48.6	1811.6	132.4	0.0	0.0	482.2
05/19/15	04:00:00	48.2	1811.6	132.1	0.0	0.0	482.2
05/19/15	05:00:00	47.7	1811.6	131.8	0.0	0.0	482.2

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/19/15	06:00:00	47.4	1811.6	131.5	0.0	0.0	482.2
05/19/15	07:00:00	47.4	1811.7	131.3	0.0	0.0	482.2
05/19/15	08:00:00	52.0	1811.6	131.2	0.0	0.0	482.2
05/19/15	09:00:00	59.5	1811.4	131.1	0.0	0.0	482.2
05/19/15	10:00:00	69.4	1811.4	131.1	0.0	0.0	482.2
05/19/15	11:00:00	80.9	1811.3	131.1	0.0	0.0	482.2
05/19/15	12:00:00	90.7	1811.2	131.3	0.0	0.0	482.2
05/19/15	13:00:00	97.8	1811.2	131.4	0.0	0.0	482.2
05/19/15	14:00:00	102.2	1811.3	131.3	0.0	0.0	482.2
05/19/15	15:00:00	102.6	1811.4	131.4	0.0	0.0	482.2
05/19/15	16:00:00	101.0	1811.4	131.5	0.0	0.0	482.2
05/19/15	17:00:00	97.2	1811.2	131.6	0.0	0.0	482.2
05/19/15	18:00:00	90.5	1811.2	131.7	0.0	0.0	482.2
05/19/15	19:00:00	81.5	1811.3	131.7	0.0	0.0	482.2
05/19/15	20:00:00	71.8	1811.1	131.6	0.0	0.0	482.2
05/19/15	21:00:00	64.2	1811.1	131.3	0.0	0.0	482.2
05/19/15	22:00:00	59.9	1811.2	131.0	0.0	0.0	482.2
05/19/15	23:00:00	57.2	1811.2	130.7	0.0	0.0	482.2
05/20/15	00:00:00	55.3	1811.2	130.3	0.0	0.0	482.2
05/20/15	01:00:00	53.0	1811.2	130.0	0.0	0.0	482.2
05/20/15	02:00:00	51.3	1811.2	129.8	0.0	0.0	482.2
05/20/15	03:00:00	50.2	1811.2	129.5	0.0	0.0	482.2
05/20/15	04:00:00	49.6	1811.2	129.2	0.0	0.0	482.2
05/20/15	05:00:00	48.9	1811.2	129.0	0.0	0.0	482.2
05/20/15	06:00:00	48.4	1811.2	128.8	0.0	0.0	482.2
05/20/15	07:00:00	48.5	1811.2	128.6	0.0	0.0	482.2
05/20/15	08:00:00	52.8	1811.2	128.5	0.0	0.0	482.2
05/20/15	09:00:00	60.1	1810.9	128.5	0.0	0.0	482.2
05/20/15	10:00:00	69.6	1811.0	128.6	0.0	0.0	482.2
05/20/15	11:00:00	79.0	1810.9	128.6	0.0	0.0	482.2
05/20/15	12:00:00	90.4	1810.8	128.9	0.0	0.0	482.2
05/20/15	13:00:00	99.4	1810.8	128.9	0.0	0.0	482.2
05/20/15	14:00:00	102.7	1810.9	129.0	0.0	0.0	482.2
05/20/15	15:00:00	101.0	1811.0	129.1	0.0	0.0	482.2
05/20/15	16:00:00	95.6	1810.9	129.3	0.0	0.0	482.2
05/20/15	17:00:00	88.4	1810.8	129.4	0.0	0.0	482.2
05/20/15	18:00:00	83.0	1810.8	129.4	0.0	0.0	482.2
05/20/15	19:00:00	76.8	1810.9	129.4	0.0	0.0	482.2
05/20/15	20:00:00	69.7	1810.7	129.3	0.0	0.0	482.2
05/20/15	21:00:00	62.9	1810.7	129.0	0.0	0.0	482.2
05/20/15	22:00:00	58.7	1810.8	128.8	0.0	0.0	482.2
05/20/15	23:00:00	56.6	1810.8	128.4	0.0	0.0	482.2
05/21/15	00:00:00	55.5	1810.8	128.2	0.0	0.0	482.2
05/21/15	01:00:00	54.2	1810.8	127.9	0.0	0.0	482.2
05/21/15	02:00:00	53.1	1810.8	127.7	0.0	0.0	482.2
05/21/15	03:00:00	52.6	1810.7	127.6	0.0	0.0	482.2
05/21/15	04:00:00	51.3	1810.7	127.4	0.0	0.0	482.2
05/21/15	05:00:00	51.7	1810.8	127.3	0.0	0.0	482.2
05/21/15	06:00:00	53.0	1810.7	127.1	0.0	0.0	482.2
05/21/15	07:00:00	55.4	1810.7	127.0	0.0	0.0	482.2
05/21/15	08:00:00	65.8	1812.8	124.2	3.1	0.0	482.3
05/21/15	09:00:00	85.7	1813.3	108.8	6.8	0.0	482.6
05/21/15	10:00:00	87.7	1826.8	98.1	10.6	0.0	483.1
05/21/15	11:00:00	91.8	1828.5	93.0	10.9	0.0	483.5
05/21/15	12:00:00	91.6	1818.0	92.8	5.9	0.0	483.8
05/21/15	13:00:00	92.5	1803.6	97.7	0.0	0.0	483.8
05/21/15	14:00:00	98.2	1803.2	102.5	0.0	0.0	483.8
05/21/15	15:00:00	94.6	1802.9	106.3	0.0	0.0	483.8
05/21/15	16:00:00	91.3	1802.9	109.4	0.0	0.0	483.8
05/21/15	17:00:00	93.0	1802.6	111.8	0.0	0.0	483.8
05/21/15	18:00:00	86.3	1802.5	113.8	0.0	0.0	483.8
05/21/15	19:00:00	89.0	1822.7	109.9	8.8	0.0	484.1
05/21/15	20:00:00	93.5	1830.1	103.0	11.1	0.0	484.6
05/21/15	21:00:00	90.2	1831.3	98.3	11.2	0.0	485.1
05/21/15	22:00:00	87.8	1831.4	93.6	11.1	0.0	485.5
05/21/15	23:00:00	86.8	1829.5	90.2	10.5	0.3	485.9
05/22/15	00:00:00	82.8	1822.9	88.8	8.1	0.5	486.3

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/22/15	01:00:00	85.8	1832.2	85.9	11.0	0.0	486.7
05/22/15	02:00:00	85.2	1832.9	83.5	11.1	0.0	487.2
05/22/15	03:00:00	83.7	1833.4	81.2	11.0	0.0	487.6
05/22/15	04:00:00	81.7	1833.4	78.3	10.9	0.0	488.1
05/22/15	05:00:00	81.2	1833.7	75.1	10.9	0.0	488.5
05/22/15	06:00:00	80.7	1834.0	73.0	10.9	0.0	489.0
05/22/15	07:00:00	81.8	1834.4	71.3	10.8	0.0	489.5
05/22/15	08:00:00	83.5	1831.9	71.2	9.9	0.0	489.9
05/22/15	09:00:00	86.7	1835.6	72.5	10.8	0.0	490.3
05/22/15	10:00:00	88.7	1836.2	74.8	10.8	0.0	490.8
05/22/15	11:00:00	92.0	1836.8	78.7	10.7	0.0	491.2
05/22/15	12:00:00	94.1	1826.2	83.4	5.4	0.0	491.4
05/22/15	13:00:00	97.2	1813.4	86.5	0.0	0.0	491.4
05/22/15	14:00:00	100.4	1812.6	89.6	0.0	0.0	491.4
05/22/15	15:00:00	101.3	1812.1	92.4	0.0	0.0	491.4
05/22/15	16:00:00	96.9	1811.6	94.9	0.0	0.0	491.4
05/22/15	17:00:00	92.1	1811.1	97.1	0.0	0.0	491.4
05/22/15	18:00:00	87.2	1810.7	99.0	0.0	0.0	491.4
05/22/15	19:00:00	88.9	1827.9	97.8	8.3	0.0	491.8
05/22/15	20:00:00	92.8	1836.1	94.7	11.0	0.0	492.2
05/22/15	21:00:00	90.6	1837.2	93.1	11.0	0.0	492.7
05/22/15	22:00:00	88.6	1838.1	91.2	11.1	0.0	493.2
05/22/15	23:00:00	87.4	1838.6	89.3	11.1	0.0	493.6
05/23/15	00:00:00	85.1	1839.2	87.1	11.2	0.0	494.1
05/23/15	01:00:00	83.1	1839.2	83.6	11.1	0.0	494.6
05/23/15	02:00:00	82.1	1839.6	80.2	11.1	0.0	495.0
05/23/15	03:00:00	81.5	1839.9	77.5	11.1	0.0	495.5
05/23/15	04:00:00	80.6	1831.1	76.3	7.8	0.0	495.8
05/23/15	05:00:00	83.0	1840.0	75.2	11.0	0.0	496.3
05/23/15	06:00:00	80.4	1840.3	72.7	11.0	0.0	496.7
05/23/15	07:00:00	81.4	1840.8	70.9	11.0	0.0	497.2
05/23/15	08:00:00	82.6	1841.1	70.1	11.0	0.0	497.6
05/23/15	09:00:00	85.3	1841.5	70.9	10.9	0.0	498.1
05/23/15	10:00:00	88.3	1842.0	73.2	10.9	0.0	498.5
05/23/15	11:00:00	91.7	1842.6	77.5	10.8	0.0	499.0
05/23/15	12:00:00	94.6	1843.2	83.4	10.8	0.0	499.4
05/23/15	13:00:00	96.5	1844.3	90.3	10.9	0.0	499.9
05/23/15	14:00:00	99.5	1845.0	99.0	10.9	0.0	500.4
05/23/15	15:00:00	101.7	1845.7	109.6	10.8	0.0	500.8
05/23/15	16:00:00	102.9	1846.3	121.2	10.8	0.0	501.2
05/23/15	17:00:00	103.0	1846.9	132.5	10.7	0.0	501.7
05/23/15	18:00:00	102.8	1847.3	142.8	10.7	0.0	502.1
05/23/15	19:00:00	101.2	1848.2	151.0	10.8	0.0	502.6
05/23/15	20:00:00	97.8	1848.5	154.7	10.8	0.0	503.0
05/23/15	21:00:00	94.2	1848.9	152.9	10.9	0.0	503.5
05/23/15	22:00:00	91.8	1849.3	147.7	10.9	0.0	503.9
05/23/15	23:00:00	89.4	1849.4	141.9	10.9	0.0	504.4
05/24/15	00:00:00	86.8	1849.5	133.6	11.0	0.0	504.9
05/24/15	01:00:00	84.8	1849.5	125.0	11.0	0.0	505.3
05/24/15	02:00:00	83.5	1849.6	116.3	11.0	0.0	505.8
05/24/15	03:00:00	82.5	1849.6	108.9	11.0	0.0	506.2
05/24/15	04:00:00	80.6	1849.6	101.4	11.0	0.0	506.7
05/24/15	05:00:00	80.9	1849.7	94.9	11.0	0.0	507.1
05/24/15	06:00:00	81.9	1849.8	90.9	11.0	0.0	507.6
05/24/15	07:00:00	81.9	1850.0	87.6	11.0	0.0	508.1
05/24/15	08:00:00	86.7	1850.0	87.1	10.9	0.0	508.5
05/24/15	09:00:00	91.0	1850.8	90.9	11.0	0.0	509.0
05/24/15	10:00:00	95.0	1852.0	97.0	11.1	0.0	509.4
05/24/15	11:00:00	98.4	1852.6	106.0	11.1	0.0	509.9
05/24/15	12:00:00	102.2	1853.0	117.8	11.0	0.0	510.4
05/24/15	13:00:00	105.6	1853.7	133.7	11.0	0.0	510.8
05/24/15	14:00:00	108.4	1854.4	152.3	10.9	0.0	511.3
05/24/15	15:00:00	110.0	1855.4	173.3	10.9	0.0	511.7
05/24/15	16:00:00	110.9	1856.2	195.3	10.9	0.0	512.2
05/24/15	17:00:00	109.2	1856.9	213.6	11.0	0.0	512.6
05/24/15	18:00:00	107.5	1857.7	227.0	11.0	0.0	513.1
05/24/15	19:00:00	103.6	1858.1	233.7	11.0	0.0	513.6

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/24/15	20:00:00	97.6	1858.5	228.7	11.2	0.0	514.0
05/24/15	21:00:00	92.2	1858.5	213.9	11.2	0.0	514.5
05/24/15	22:00:00	88.1	1858.6	195.1	11.3	0.0	515.0
05/24/15	23:00:00	85.9	1858.4	176.6	11.3	0.0	515.4
05/25/15	00:00:00	84.9	1858.3	160.9	11.3	0.0	515.9
05/25/15	01:00:00	83.0	1858.2	146.4	11.4	0.0	516.4
05/25/15	02:00:00	82.0	1858.3	132.9	11.4	0.0	516.8
05/25/15	03:00:00	80.8	1858.3	121.5	11.4	0.0	517.3
05/25/15	04:00:00	81.3	1858.3	112.1	11.4	0.0	517.8
05/25/15	05:00:00	81.0	1858.3	104.9	11.4	0.0	518.3
05/25/15	06:00:00	80.8	1854.7	99.6	10.3	0.0	518.7
05/25/15	07:00:00	80.3	1857.9	94.2	11.3	0.0	519.2
05/25/15	08:00:00	84.0	1858.2	91.4	11.3	0.0	519.7
05/25/15	09:00:00	87.8	1857.3	93.2	10.9	0.0	520.1
05/25/15	10:00:00	90.8	1857.7	96.5	10.9	0.0	520.6
05/25/15	11:00:00	94.9	1859.3	103.2	11.2	0.0	521.0
05/25/15	12:00:00	98.5	1859.5	112.7	11.1	0.0	521.5
05/25/15	13:00:00	101.6	1858.3	124.9	10.6	0.0	521.9
05/25/15	14:00:00	103.5	1855.7	136.5	9.7	0.0	522.3
05/25/15	15:00:00	105.9	1861.1	152.6	11.0	0.0	522.8
05/25/15	16:00:00	106.5	1861.7	169.9	11.0	0.0	523.3
05/25/15	17:00:00	106.1	1862.3	185.9	11.0	0.0	523.7
05/25/15	18:00:00	103.3	1862.8	196.7	11.0	0.0	524.2
05/25/15	19:00:00	98.8	1863.6	199.4	11.1	0.0	524.6
05/25/15	20:00:00	94.1	1863.9	193.6	11.2	0.0	525.1
05/25/15	21:00:00	88.7	1858.2	181.1	9.1	0.0	525.5
05/25/15	22:00:00	81.6	1845.1	166.2	5.1	0.0	525.7
05/25/15	23:00:00	82.9	1848.6	152.2	7.1	0.0	526.0
05/26/15	00:00:00	82.0	1849.2	141.2	7.4	0.0	526.3
05/26/15	01:00:00	83.5	1856.1	131.1	9.7	0.0	526.7
05/26/15	02:00:00	83.6	1856.3	123.6	9.7	0.0	527.1
05/26/15	03:00:00	82.7	1856.3	116.6	9.7	0.0	527.5
05/26/15	04:00:00	82.3	1856.3	110.6	9.7	0.0	527.9
05/26/15	05:00:00	81.4	1862.0	103.9	11.3	0.0	528.4
05/26/15	06:00:00	81.9	1862.8	98.4	11.4	0.0	528.9
05/26/15	07:00:00	82.6	1862.9	94.3	11.3	0.0	529.3
05/26/15	08:00:00	86.5	1863.1	94.0	11.3	0.0	529.8
05/26/15	09:00:00	89.5	1863.7	96.6	11.4	0.0	530.3
05/26/15	10:00:00	92.0	1863.9	101.0	11.3	0.0	530.8
05/26/15	11:00:00	95.0	1864.2	107.5	11.2	0.0	531.2
05/26/15	12:00:00	96.8	1856.9	115.6	8.3	0.5	531.5
05/26/15	13:00:00	97.6	1838.0	116.2	0.0	0.0	531.5
05/26/15	14:00:00	101.5	1836.8	116.9	0.0	0.0	531.5
05/26/15	15:00:00	103.0	1836.1	117.9	0.0	0.0	531.5
05/26/15	16:00:00	101.1	1835.3	118.9	0.0	0.0	531.5
05/26/15	17:00:00	95.6	1834.5	119.8	0.0	0.0	531.5
05/26/15	18:00:00	88.0	1834.0	120.6	0.0	0.0	531.5
05/26/15	19:00:00	83.6	1833.5	121.1	5.5	5.6	531.5
05/26/15	20:00:00	93.2	1857.9	121.0	11.1	0.5	532.0
05/26/15	21:00:00	90.8	1861.5	117.3	11.5	0.0	532.5
05/26/15	22:00:00	87.8	1862.3	112.0	11.5	0.0	532.9
05/26/15	23:00:00	86.2	1862.9	107.0	11.6	0.0	533.4
05/27/15	00:00:00	84.9	1862.9	102.5	11.5	0.0	533.9
05/27/15	01:00:00	84.8	1863.0	98.9	11.4	0.0	534.4
05/27/15	02:00:00	83.9	1862.2	95.8	11.2	0.0	534.8
05/27/15	03:00:00	83.1	1863.1	92.7	11.3	0.0	535.3
05/27/15	04:00:00	81.8	1863.1	88.9	11.3	0.0	535.8
05/27/15	05:00:00	82.4	1863.5	85.9	11.3	0.0	536.3
05/27/15	06:00:00	82.0	1859.7	84.0	10.2	0.0	536.7
05/27/15	07:00:00	83.8	1864.9	82.6	11.6	0.0	537.2
05/27/15	08:00:00	86.5	1865.4	83.2	11.6	0.0	537.7
05/27/15	09:00:00	88.5	1862.7	85.7	10.7	0.0	538.1
05/27/15	10:00:00	91.5	1866.6	89.6	11.6	0.0	538.6
05/27/15	11:00:00	94.7	1867.4	96.0	11.6	0.0	539.1
05/27/15	12:00:00	97.7	1863.7	104.2	9.6	0.0	539.5
05/27/15	13:00:00	100.3	1839.9	105.2	0.0	0.0	539.5
05/27/15	14:00:00	102.8	1838.9	105.9	0.0	0.0	539.5

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/27/15	15:00:00	104.8	1838.2	107.1	0.0	0.0	539.5
05/27/15	16:00:00	103.2	1837.4	108.4	0.0	0.0	539.5
05/27/15	17:00:00	97.6	1836.8	109.5	0.0	0.0	539.5
05/27/15	18:00:00	90.6	1836.2	110.5	0.0	0.0	539.5
05/27/15	19:00:00	94.3	1857.0	111.6	9.2	0.0	539.8
05/27/15	20:00:00	98.2	1864.8	116.5	11.5	0.0	540.3
05/27/15	21:00:00	93.7	1866.0	118.3	11.6	0.0	540.8
05/27/15	22:00:00	89.8	1866.8	115.8	11.6	0.0	541.3
05/27/15	23:00:00	87.5	1867.5	111.5	11.7	0.0	541.8
05/28/15	00:00:00	85.6	1867.1	107.0	11.5	0.0	542.3
05/28/15	01:00:00	84.7	1867.9	102.6	11.7	0.0	542.7
05/28/15	02:00:00	82.7	1868.3	97.4	11.7	0.0	543.2
05/28/15	03:00:00	82.1	1868.5	92.8	11.7	0.0	543.7
05/28/15	04:00:00	80.3	1868.5	87.6	11.7	0.0	544.2
05/28/15	05:00:00	79.6	1868.7	82.9	11.8	0.0	544.7
05/28/15	06:00:00	79.3	1868.8	78.9	11.8	0.0	545.2
05/28/15	07:00:00	81.0	1869.0	76.4	11.7	0.0	545.7
05/28/15	08:00:00	84.6	1869.4	76.7	11.7	0.0	546.2
05/28/15	09:00:00	88.3	1869.9	79.5	11.7	0.0	546.7
05/28/15	10:00:00	93.3	1870.6	85.4	11.6	0.0	547.1
05/28/15	11:00:00	97.6	1871.2	94.5	11.5	0.0	547.6
05/28/15	12:00:00	99.8	1863.3	104.6	7.7	0.0	547.9
05/28/15	13:00:00	101.1	1843.6	104.6	0.0	0.0	547.9
05/28/15	14:00:00	100.9	1842.3	104.8	0.0	0.0	547.9
05/28/15	15:00:00	100.0	1841.5	105.7	0.0	0.0	547.9
05/28/15	16:00:00	102.3	1841.0	106.7	0.0	0.0	547.9
05/28/15	17:00:00	104.4	1840.3	107.7	0.0	0.0	547.9
05/28/15	18:00:00	100.0	1839.7	108.6	0.0	0.0	547.9
05/28/15	19:00:00	102.0	1860.5	113.4	9.1	0.0	548.3
05/28/15	20:00:00	105.2	1868.5	127.5	11.3	0.0	548.8
05/28/15	21:00:00	99.7	1870.1	135.3	11.5	0.0	549.3
05/28/15	22:00:00	94.6	1871.0	135.6	11.5	0.0	549.8
05/28/15	23:00:00	91.6	1871.8	132.5	11.6	0.0	550.2
05/29/15	00:00:00	88.8	1872.4	127.7	11.7	0.0	550.7
05/29/15	01:00:00	85.9	1872.5	121.6	11.7	0.0	551.2
05/29/15	02:00:00	83.3	1872.5	113.3	11.7	0.0	551.7
05/29/15	03:00:00	81.9	1872.5	105.3	11.7	0.0	552.2
05/29/15	04:00:00	80.5	1872.6	98.1	11.7	0.0	552.7
05/29/15	05:00:00	79.2	1872.8	91.2	11.7	0.0	553.2
05/29/15	06:00:00	79.8	1872.8	85.8	11.7	0.0	553.6
05/29/15	07:00:00	79.9	1873.0	81.8	11.7	0.0	554.1
05/29/15	08:00:00	84.7	1873.3	80.9	11.7	0.0	554.6
05/29/15	09:00:00	90.3	1873.6	85.0	11.6	0.0	555.1
05/29/15	10:00:00	94.3	1874.4	91.8	11.6	0.0	555.6
05/29/15	11:00:00	98.5	1874.5	101.5	11.3	0.0	556.1
05/29/15	12:00:00	102.9	1866.7	113.6	7.6	0.0	556.4
05/29/15	13:00:00	106.8	1847.2	112.9	0.0	0.0	556.4
05/29/15	14:00:00	111.2	1845.9	112.0	0.0	0.0	556.4
05/29/15	15:00:00	112.4	1845.2	112.2	0.0	0.0	556.4
05/29/15	16:00:00	111.3	1844.3	112.7	0.0	0.0	556.4
05/29/15	17:00:00	106.6	1843.7	113.3	0.0	0.0	556.4
05/29/15	18:00:00	102.6	1843.2	113.8	0.0	0.0	556.4
05/29/15	19:00:00	104.0	1862.6	119.1	8.5	0.0	556.7
05/29/15	20:00:00	106.8	1872.2	136.1	11.3	0.0	557.2
05/29/15	21:00:00	100.9	1873.8	145.1	11.5	0.0	557.7
05/29/15	22:00:00	97.8	1874.9	148.5	11.5	0.0	558.2
05/29/15	23:00:00	93.1	1874.6	146.5	11.4	0.0	558.6
05/30/15	00:00:00	89.7	1876.3	140.6	11.7	0.0	559.1
05/30/15	01:00:00	87.4	1874.8	133.0	11.3	0.0	559.6
05/30/15	02:00:00	85.8	1873.7	126.1	11.0	0.0	560.1
05/30/15	03:00:00	70.4	1848.4	122.5	0.1	0.0	560.1
05/30/15	04:00:00	57.5	1846.5	123.3	0.0	0.0	560.1
05/30/15	05:00:00	53.0 (4)	1845.8 (4)	123.5 (4)	0.0 (4)	0.0 (4)	560.1
05/30/15	06:00:00	50.8 (4)	1845.3 (4)	123.5 (4)	0.0 (4)	0.0 (4)	560.1
05/30/15	07:00:00	52.6	1844.5	123.1	0.0	0.0	560.1
05/30/15	08:00:00	57.1	1844.0	123.1	0.0	0.0	560.1
05/30/15	09:00:00	61.1	1843.4	123.1	0.0	0.0	560.1

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
05/30/15	10:00:00	74.3	1843.0	123.0	0.0	0.0	560.1
05/30/15	11:00:00	87.1	1842.5	123.1	0.0	0.0	560.1
05/30/15	12:00:00	82.2	1834.0	127.9	0.0	5.1	559.8
05/30/15	13:00:00	92.8	1840.8	130.0	0.0	0.0	559.8
05/30/15	14:00:00	82.4	1817.5	135.6	0.0	9.9	559.4
05/30/15	15:00:00	95.0	1839.1	139.4	0.0	0.1	559.4
05/30/15	16:00:00	82.5	1753.7	149.0	0.0	19.8	558.6
05/30/15	17:00:00	93.7	1834.4	159.1	0.0	0.3	558.6
05/30/15	18:00:00	83.0	1656.7	172.2	0.0	29.9	557.3
05/30/15	19:00:00	88.2	1830.3	188.0	0.0	0.4	557.3
05/30/15	20:00:00	82.7	1737.6	185.7	0.0	15.9	556.7
05/30/15	21:00:00	84.6	1580.4	207.6	0.0	35.7	555.2
05/30/15	22:00:00	86.0	1635.0	228.4	0.1	30.6	553.9
05/30/15	23:00:00	86.9	1634.8	239.8	0.1	30.3	552.6
05/31/15	00:00:00	87.5	1631.9	249.4	0.1	30.4	551.4
05/31/15	01:00:00	88.0	1626.0	259.5	0.1	30.7	550.1
05/31/15	02:00:00	88.4	1624.7	270.4	0.1	30.4	548.8
05/31/15	03:00:00	88.8	1623.4	281.9	0.0	30.2	547.6
05/31/15	04:00:00	89.2	1621.5	293.4	0.0	30.0	546.3
05/31/15	05:00:00	89.5	1618.9	304.8	0.1	29.9	545.1
05/31/15	06:00:00	89.9	1605.2	316.4	0.1	31.0	543.8
05/31/15	07:00:00	90.2	1603.9	328.0	0.1	30.6	542.5
05/31/15	08:00:00	90.6	1601.9	339.3	0.1	30.4	541.3
05/31/15	09:00:00	91.0	1599.6	350.7	0.2	30.3	540.0
05/31/15	10:00:00	91.4	1597.0	361.9	0.2	30.2	538.8
05/31/15	11:00:00	91.7	1595.1	372.8	0.1	30.1	537.5
05/31/15	12:00:00	92.1	1592.9	383.4	0.1	30.1	536.3
05/31/15	13:00:00	92.3	1592.1	393.4	0.1	29.9	535.0
05/31/15	14:00:00	92.5	1591.0	402.6	0.1	29.9	533.8
05/31/15	15:00:00	92.8	1589.8	411.4	0.1	29.8	532.6
05/31/15	16:00:00	93.0	1588.7	419.7	0.1	29.8	531.3
05/31/15	17:00:00	93.2	1587.5	427.8	0.1	29.9	530.1
05/31/15	18:00:00	93.4	1586.4	435.5	0.2	29.9	528.9
05/31/15	19:00:00	93.5	1584.9	442.7	0.2	29.9	527.6
05/31/15	20:00:00	93.6	1583.8	449.8	0.2	29.9	526.4
05/31/15	21:00:00	93.6	1582.8	456.6	0.1	30.0	525.1
05/31/15	22:00:00	93.7	1585.2	463.2	0.1	29.6	523.9
05/31/15	23:00:00	93.8	1592.6	468.2	0.1	28.8	522.7
06/01/15	00:00:00	94.0	1577.9	475.4	0.1	30.1	521.5
06/01/15	01:00:00	94.2	1576.9	482.6	0.0	30.0	520.2
06/01/15	02:00:00	94.4	1576.1	489.3	0.0	30.0	519.0
06/01/15	03:00:00	94.6	1574.3	496.0	0.0	30.0	517.7
06/01/15	04:00:00	94.8	1572.0	502.7	0.0	30.0	516.5
06/01/15	05:00:00	95.0	1567.2	510.0	0.0	30.4	515.2
06/01/15	06:00:00	95.2	1565.1	517.2	0.0	30.5	513.9
06/01/15	07:00:00	95.3	1564.5	524.2	0.0	30.4	512.7
06/01/15	08:00:00	95.5	1562.9	530.8	0.0	30.4	511.4
06/01/15	09:00:00	95.7	1562.2	537.2	0.0	30.3	510.1
06/01/15	10:00:00	95.9	1560.2	543.2	0.0	30.4	508.9
06/01/15	11:00:00	96.0	1558.0	549.7	0.0	30.4	507.6
06/01/15	12:00:00	96.2	1557.0	556.0	0.0	30.4	506.3
06/01/15	13:00:00	96.4	1555.9	562.2	0.0	30.4	505.1
06/01/15	14:00:00	96.6	1554.8	568.4	0.0	30.4	503.8
06/01/15	15:00:00	92.5	1690.4	565.3	0.0	11.1	503.3
06/01/15	16:00:00	93.3	1696.0	517.1	0.0	12.6	502.8
06/01/15	17:00:00	95.3	1555.8	541.1	0.0	30.1	501.5
06/01/15	18:00:00	96.1	1571.5	573.1	0.0	28.8	500.3
06/01/15	19:00:00	96.5	1567.3	585.7	0.0	29.2	499.1
06/01/15	20:00:00	96.7	1567.0	594.7	0.0	29.2	497.9
06/01/15	21:00:00	96.9	1566.9	601.6	0.0	29.3	496.7
06/01/15	22:00:00	97.1	1558.1	607.9	0.0	30.0	495.4
06/01/15	23:00:00	90.2	1692.8	603.3	0.0	10.8	495.0
06/02/15	00:00:00	73.1	1771.4	545.9	0.0	0.0	495.0
06/02/15	01:00:00	61.5	1774.0	500.6	0.0	0.0	495.0
06/02/15	02:00:00	59.3	1775.6	466.2	0.0	0.0	495.0
06/02/15	03:00:00	58.0	1777.0	438.4	0.0	0.0	495.0
06/02/15	04:00:00	56.9	1778.3	415.1	0.0	0.0	495.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
06/02/15	05:00:00	55.4	1779.4	395.1	0.0	0.0	495.0
06/02/15	06:00:00	53.3	1780.5	377.8	0.0	0.0	495.0
06/02/15	07:00:00	52.8	1781.7	362.5	0.0	0.0	495.0
06/02/15	08:00:00	59.4	1782.3	348.9	0.0	0.0	495.0
06/02/15	09:00:00	64.9	1783.2	336.8	0.0	0.0	495.0
06/02/15	10:00:00	68.0	1784.0	325.8	0.0	0.0	495.0
06/02/15	11:00:00	76.9	1784.8	316.0	0.0	0.0	495.0
06/02/15	12:00:00	85.8	1777.8	316.9	0.0	4.4	494.8
06/02/15	13:00:00	85.4	1777.2	329.6	0.0	5.6	494.6
06/02/15	14:00:00	85.7	1777.5	335.2	0.0	5.6	494.3
06/02/15	15:00:00	85.4	1779.2	336.1	0.0	4.9	494.1
06/02/15	16:00:00	85.8	1778.4	338.7	0.0	5.5	493.9
06/02/15	17:00:00	85.8	1778.5	340.4	0.0	5.5	493.7
06/02/15	18:00:00	85.6	1778.4	341.6	0.0	5.6	493.4
06/02/15	19:00:00	85.4	1778.6	342.4	0.0	5.6	493.2
06/02/15	20:00:00	85.0	1778.6	342.8	0.0	5.5	493.0
06/02/15	21:00:00	84.6	1778.6	343.1	0.0	5.5	492.7
06/02/15	22:00:00	84.4	1778.8	343.1	0.0	5.5	492.5
06/02/15	23:00:00	84.3	1778.8	343.1	0.0	5.5	492.3
06/03/15	00:00:00	84.2	1778.9	343.0	0.0	5.5	492.1
06/03/15	01:00:00	84.1	1779.0	342.7	0.0	5.4	491.8
06/03/15	02:00:00	84.0	1778.8	342.5	0.0	5.4	491.6
06/03/15	03:00:00	83.9	1778.8	342.3	0.0	5.4	491.4
06/03/15	04:00:00	83.8	1778.7	342.1	0.0	5.4	491.2
06/03/15	05:00:00	83.7	1778.6	341.9	0.0	5.4	490.9
06/03/15	06:00:00	83.7	1778.5	341.8	0.0	5.4	490.7
06/03/15	07:00:00	71.8	1781.9	333.4	0.0	0.9	490.7
06/03/15	08:00:00	62.9	(5)	314.0	0.0	0.0	490.7
06/03/15	09:00:00	66.3	1791.4	300.2	0.0	0.0	490.7
06/03/15	10:00:00	72.7	1789.9	289.6	0.0	1.0	490.6
06/03/15	11:00:00	82.8	1784.5	298.6	0.0	4.5	490.4
06/03/15	12:00:00	89.9	1788.6	292.4	0.0	1.5	490.4
06/03/15	13:00:00	83.9	1772.6	309.2	0.0	8.1	490.0
06/03/15	14:00:00	91.6	1784.5	303.3	0.0	2.4	489.9
06/03/15	15:00:00	85.4	1681.6	352.1	0.0	19.3	489.1
06/03/15	16:00:00	88.1	1777.8	380.9	0.0	1.6	489.1
06/03/15	17:00:00	86.5	1685.0	389.4	0.0	19.2	488.3
06/03/15	18:00:00	89.1	1668.9	457.3	0.0	19.5	487.5
06/03/15	19:00:00	90.7	1660.8	501.1	0.0	20.4	486.6
06/03/15	20:00:00	92.0	1659.0	536.7	0.0	20.5	485.8
06/03/15	21:00:00	92.9	1659.0	559.8	0.0	20.4	484.9
06/03/15	22:00:00	93.6	1659.8	576.2	0.0	20.3	484.1
06/03/15	23:00:00	94.0	1657.7	588.6	0.0	20.4	483.2
06/04/15	00:00:00	94.6	1651.7	601.9	0.0	21.0	482.3
06/04/15	01:00:00	94.9	1657.5	611.4	0.0	20.2	481.5
06/04/15	02:00:00	95.2	1657.1	617.1	0.0	20.2	480.6
06/04/15	03:00:00	93.5	1680.3	622.3	0.0	15.9	480.0
06/04/15	04:00:00	68.7	1779.6	573.5	0.0	0.2	480.0
06/04/15	05:00:00	55.2	1782.7	519.6	0.0	0.0	480.0
06/04/15	06:00:00	52.0	1783.7	480.8	0.0	0.0	480.0
06/04/15	07:00:00	51.4	1784.4	450.4	0.0	0.0	480.0
06/04/15	08:00:00	56.9	1785.1	425.5	0.0	0.0	480.0
06/04/15	09:00:00	62.4	1785.6	404.6	0.0	0.0	480.0
06/04/15	10:00:00	72.3	1786.0	386.7	0.0	0.0	480.0
06/04/15	11:00:00	71.2	1786.5	371.3	0.0	0.0	480.0
06/04/15	12:00:00	87.9	1786.7	357.6	0.0	0.0	480.0
06/04/15	13:00:00	98.9	1787.1	345.3	0.0	0.0	480.0
06/04/15	14:00:00	104.0	1787.6	334.3	0.0	0.0	480.0
06/04/15	15:00:00	106.5	1788.0	324.5	0.0	0.0	480.0
06/04/15	16:00:00	105.5	1788.4	315.6	0.0	0.0	480.0
06/04/15	17:00:00	100.4	1788.5	307.5	0.0	0.0	480.0
06/04/15	18:00:00	94.3	1789.0	300.1	0.0	0.0	480.0
06/04/15	19:00:00	89.4	1789.3	293.2	0.0	0.0	480.0
06/04/15	20:00:00	85.2	1789.5	286.8	0.0	0.0	480.0
06/04/15	21:00:00	77.6	1789.8	280.7	0.0	0.0	480.0
06/04/15	22:00:00	71.6	1790.2	275.0	0.0	0.0	480.0
06/04/15	23:00:00	67.6	1790.4	269.6	0.0	0.0	480.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
06/05/15	00:00:00	64.2	1790.7	264.6	0.0	0.0	480.0
06/05/15	01:00:00	63.5	1791.0	259.8	0.0	0.0	480.0
06/05/15	02:00:00	63.1	1791.2	255.4	0.0	0.0	480.0
06/05/15	03:00:00	61.8	1791.4	251.1	0.0	0.0	480.0
06/05/15	04:00:00	59.6	1791.6	247.1	0.0	0.0	480.0
06/05/15	05:00:00	59.9	1791.8	243.4	0.0	0.0	480.0
06/05/15	06:00:00	59.6	1791.9	239.8	0.0	0.0	480.0
06/05/15	07:00:00	59.5	1792.1	236.4	0.0	0.0	480.0
06/05/15	08:00:00	64.3	1792.3	233.4	0.0	0.0	480.0
06/05/15	09:00:00	68.0	1792.4	230.6	0.0	0.0	480.0
06/05/15	10:00:00	(6)	(6)	227.8	0.0	0.0	480.0
06/05/15	11:00:00	(6)	(6)	225.3	0.0	0.0	480.0
06/05/15	12:00:00	(6)	(6)	223.0	0.0	0.0	480.0
06/05/15	13:00:00	(6)	(6)	220.7	0.0	0.0	480.0
06/05/15	14:00:00	(6)	(6)	218.5	0.0	0.0	480.0
06/05/15	15:00:00	(6)	(6)	216.5	0.0	0.0	480.0
06/05/15	16:00:00	(6)	(6)	214.5	0.0	0.0	480.0
06/05/15	17:00:00	(6)	(6)	212.7	0.0	0.0	480.0
06/05/15	18:00:00	(6)	(6)	210.9	0.0	0.0	480.0
06/05/15	19:00:00	(6)	(6)	209.0	0.0	0.0	480.0
06/05/15	20:00:00	(6)	(6)	207.1	0.0	0.0	480.0
06/05/15	21:00:00	(6)	(6)	205.2	0.0	0.0	480.0
06/05/15	22:00:00	(6)	(6)	203.4	0.0	0.0	480.0
06/05/15	23:00:00	(6)	(6)	201.5	0.0	0.0	480.0
06/06/15	00:00:00	(6)	(6)	199.7	0.0	0.0	480.0
06/06/15	01:00:00	(6)	(6)	197.9	0.0	0.0	480.0
06/06/15	02:00:00	(6)	(6)	196.2	0.0	0.0	480.0
06/06/15	03:00:00	(6)	(6)	194.5	0.0	0.0	480.0
06/06/15	04:00:00	(6)	(6)	192.9	0.0	0.0	480.0
06/06/15	05:00:00	(6)	(6)	191.4	0.0	0.0	480.0
06/06/15	06:00:00	(6)	(6)	189.9	0.0	0.0	480.0
06/06/15	07:00:00	(6)	(6)	188.5	0.0	0.0	480.0
06/06/15	08:00:00	(6)	(6)	187.3	0.0	0.0	480.0
06/06/15	09:00:00	(6)	1794.3	186.1	0.0	0.0	480.0
06/06/15	10:00:00	(6)	1794.4	185.0	0.0	0.0	480.0
06/06/15	11:00:00	(6)	1794.4	184.0	0.0	0.0	480.0
06/06/15	12:00:00	(6)	1794.3	183.2	0.0	0.0	480.0
06/06/15	13:00:00	(6)	1794.1	182.2	0.0	0.0	480.0
06/06/15	14:00:00	(6)	1794.3	181.4	0.0	0.0	480.0
06/06/15	15:00:00	(6)	1794.3	180.6	0.0	0.0	480.0
06/06/15	16:00:00	(6)	1794.4	179.9	0.0	0.0	480.0
06/06/15	17:00:00	(6)	1794.2	179.1	0.0	0.0	480.0
06/06/15	18:00:00	(6)	1794.4	178.2	0.0	0.0	480.0
06/06/15	19:00:00	(6)	1794.5	177.3	0.0	0.0	480.0
06/06/15	20:00:00	(6)	1794.6	176.3	0.0	0.0	480.0
06/06/15	21:00:00	(6)	1794.6	175.2	0.0	0.0	480.0
06/06/15	22:00:00	(6)	1794.7	174.2	0.0	0.0	480.0
06/06/15	23:00:00	(6)	1794.8	173.2	0.0	0.0	480.0
06/07/15	00:00:00	(6)	1794.8	172.2	0.0	0.0	480.0
06/07/15	01:00:00	(6)	1794.9	171.2	0.0	0.0	480.0
06/07/15	02:00:00	(6)	1794.9	170.2	0.0	0.0	480.0
06/07/15	03:00:00	(6)	1794.9	169.3	0.0	0.0	480.0
06/07/15	04:00:00	(6)	1795.0	168.5	0.0	0.0	480.0
06/07/15	05:00:00	(6)	1795.0	167.6	0.0	0.0	480.0
06/07/15	06:00:00	(6)	1795.1	166.8	0.0	0.0	480.0
06/07/15	07:00:00	(6)	1795.2	166.1	0.0	0.0	480.0
06/07/15	08:00:00	(6)	1795.2	165.4	0.0	0.0	480.0
06/07/15	09:00:00	(6)	1795.2	164.8	0.0	0.0	480.0
06/07/15	10:00:00	(6)	1795.2	164.3	0.0	0.0	480.0
06/07/15	11:00:00	(6)	1795.2	163.8	0.0	0.0	480.0
06/07/15	12:00:00	(6)	1795.0	163.5	0.0	0.0	480.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
06/07/15	13:00:00	(6)	1794.8	163.1	0.0	0.0	480.0
06/07/15	14:00:00	(6)	1795.0	162.7	0.0	0.0	480.0
06/07/15	15:00:00	(6)	1795.0	162.4	0.0	0.0	480.0
06/07/15	16:00:00	(6)	1795.2	162.1	0.0	0.0	480.0
06/07/15	17:00:00	(6)	1795.0	161.9	0.0	0.0	480.0
06/07/15	18:00:00	(6)	1794.8	161.6	0.0	0.0	480.0
06/07/15	19:00:00	(6)	1794.8	161.3	0.0	0.0	480.0
06/07/15	20:00:00	(6)	1794.9	160.9	0.0	0.0	480.0
06/07/15	21:00:00	(6)	1795.0	160.3	0.0	0.0	480.0
06/07/15	22:00:00	(6)	1795.1	159.7	0.0	0.0	480.0
06/07/15	23:00:00	(6)	1795.1	159.1	0.0	0.0	480.0
06/08/15	00:00:00	(6)	1795.2	158.4	0.0	0.0	480.0
06/08/15	01:00:00	(6)	1795.2	157.8	0.0	0.0	480.0
06/08/15	02:00:00	(6)	1795.3	157.1	0.0	0.0	480.0
06/08/15	03:00:00	(6)	1795.3	156.5	0.0	0.0	480.0
06/08/15	04:00:00	(6)	1795.3	155.8	0.0	0.0	480.0
06/08/15	05:00:00	(6)	1795.3	155.2	0.0	0.0	480.0
06/08/15	06:00:00	(6)	1795.4	154.6	0.0	0.0	480.0
06/08/15	07:00:00	(6)	1795.5	154.0	0.0	0.0	480.0
06/08/15	08:00:00	(6)	1795.6	153.6	0.0	0.0	480.0
06/08/15	09:00:00	(6)	1795.5	153.3	0.0	0.0	480.0
06/08/15	10:00:00	(6)	1795.5	153.0	0.0	0.0	480.0
06/08/15	11:00:00	(6)	1795.4	152.7	0.0	0.0	480.0
06/08/15	12:00:00	(6)	1795.3	152.7	0.0	0.0	480.0
06/08/15	13:00:00	(6)	1795.1	152.5	0.0	0.0	480.0
06/08/15	14:00:00	(6)	1795.3	152.4	0.0	0.0	480.0
06/08/15	15:00:00	(6)	1795.3	152.2	0.0	0.0	480.0
06/08/15	16:00:00	(6)	1795.4	152.1	0.0	0.0	480.0
06/08/15	17:00:00	(6)	1795.3	152.1	0.0	0.0	480.0
06/08/15	18:00:00	(6)	1795.0	151.9	0.0	0.0	480.0
06/08/15	19:00:00	(6)	1795.1	151.8	0.0	0.0	480.0
06/08/15	20:00:00	(6)	1795.2	151.6	0.0	0.0	480.0
06/08/15	21:00:00	(6)	1795.2	151.1	0.0	0.0	480.0
06/08/15	22:00:00	(6)	1795.3	150.7	0.0	0.0	480.0
06/08/15	23:00:00	(6)	1795.4	150.2	0.0	0.0	480.0
06/09/15	00:00:00	(6)	1795.4	149.8	0.0	0.0	480.0
06/09/15	01:00:00	(6)	1795.4	149.2	0.0	0.0	480.0
06/09/15	02:00:00	(6)	1795.4	148.7	0.0	0.0	480.0
06/09/15	03:00:00	(6)	1795.5	148.1	0.0	0.0	480.0
06/09/15	04:00:00	(6)	1795.6	147.6	0.0	0.0	480.0
06/09/15	05:00:00	(6)	1795.6	147.1	0.0	0.0	480.0
06/09/15	06:00:00	(6)	1795.6	146.6	0.0	0.0	480.0
06/09/15	07:00:00	(6)	1795.7	146.1	0.0	0.0	480.0
06/09/15	08:00:00	(6)	1795.7	145.7	0.0	0.0	480.0
06/09/15	09:00:00	(6)	(6)	145.6	0.0	0.0	480.0
06/09/15	10:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/09/15	11:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/09/15	12:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/09/15	13:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/09/15	14:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/09/15	15:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/09/15	16:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/09/15	17:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/09/15	18:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/09/15	19:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/09/15	20:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/09/15	21:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/09/15	22:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/09/15	23:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	00:00:00	(6)	(6)	(6)	0.0	0.0	480.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
Date	Time	I/W Manifold Temp	I/W Well Tubing Pressure	I/W Well Annulus Pressure	Injection Gas Flow Rate (MMSCFD)	Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
06/10/15	01:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	02:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	03:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	04:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	05:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	06:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	07:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	08:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	09:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	10:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	11:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	12:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	13:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	14:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	15:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	16:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	17:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	18:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	19:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	20:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	21:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	22:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/10/15	23:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	00:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	01:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	02:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	03:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	04:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	05:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	06:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	07:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	08:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	09:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	10:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	11:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	12:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	13:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	14:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	15:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	16:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	17:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	18:00:00	(6)	(6)	(6)	0.0	0.0	480.0
06/11/15	19:00:00	93.3	1799.3	136.2	0.0	0.0	480.0
06/11/15	20:00:00	90.0	1799.3	136.1	0.0	0.0	480.0
06/11/15	21:00:00	85.0	1799.3	136.0	0.0	0.0	480.0
06/11/15	22:00:00	80.7	1799.3	135.6	0.0	0.0	480.0
06/11/15	23:00:00	77.7	1799.3	135.2	0.0	0.0	480.0
06/12/15	00:00:00	75.6	1799.3	135.0	0.0	0.0	480.0
06/12/15	01:00:00	73.9	1799.3	134.7	0.0	0.0	480.0
06/12/15	02:00:00	71.9	1799.3	134.1	0.0	0.0	480.0
06/12/15	03:00:00	69.9	1799.3	133.8	0.0	0.0	480.0
06/12/15	04:00:00	68.0	1799.3	133.5	0.0	0.0	480.0
06/12/15	05:00:00	66.2	1799.3	133.0	0.0	0.0	480.0
06/12/15	06:00:00	64.5	1799.3	132.8	0.0	0.0	480.0
06/12/15	07:00:00	63.9	1799.3	132.8	0.0	0.0	480.0
06/12/15	08:00:00	66.3	1799.3	132.6	0.0	0.0	480.0
06/12/15	09:00:00	70.5	1799.2	132.5	0.0	0.0	480.0
06/12/15	10:00:00	74.8	1799.3	132.4	0.0	0.0	480.0
06/12/15	11:00:00	79.7	1799.3	132.5	0.0	0.0	480.0
06/12/15	12:00:00	86.1	1799.2	132.9	0.0	0.0	480.0
06/12/15	13:00:00	92.1	1798.9	132.9	0.0	0.0	480.0
06/12/15	14:00:00	96.7	1799.0	133.0	0.0	0.0	480.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
06/12/15	15:00:00	100.5	1798.6	133.0	0.0	0.0	480.0
06/12/15	16:00:00	102.2	1798.6	133.1	0.0	0.0	480.0
06/12/15	17:00:00	101.6	1798.3	133.1	0.0	0.0	480.0
06/12/15	18:00:00	101.6	1798.3	133.4	0.0	0.0	480.0
06/12/15	19:00:00	100.6	1798.3	133.6	0.0	0.0	480.0
06/12/15	20:00:00	99.4	1798.3	133.5	0.0	0.0	480.0
06/12/15	21:00:00	96.6	1798.3	133.2	0.0	0.0	480.0
06/12/15	22:00:00	92.1	1798.8	133.1	0.0	0.0	480.0
06/12/15	23:00:00	87.7	1799.3	133.0	0.0	0.0	480.0
06/13/15	00:00:00	83.6	1799.3	132.8	0.0	0.0	480.0
06/13/15	01:00:00	79.8	1799.3	132.3	0.0	0.0	480.0
06/13/15	02:00:00	76.2	1799.3	132.0	0.0	0.0	480.0
06/13/15	03:00:00	73.4	1799.3	131.6	0.0	0.0	480.0
06/13/15	04:00:00	70.9	1799.3	131.1	0.0	0.0	480.0
06/13/15	05:00:00	68.5	1799.3	130.9	0.0	0.0	480.0
06/13/15	06:00:00	66.5	1799.3	130.7	0.0	0.0	480.0
06/13/15	07:00:00	65.3	1799.3	130.3	0.0	0.0	480.0
06/13/15	08:00:00	66.2	1799.3	130.0	0.0	0.0	480.0
06/13/15	09:00:00	69.2	1799.3	129.8	0.0	0.0	480.0
06/13/15	10:00:00	72.5	1799.3	129.8	0.0	0.0	480.0
06/13/15	11:00:00	76.7	1799.3	129.9	0.0	0.0	480.0
06/13/15	12:00:00	82.7	1799.3	130.1	0.0	0.0	480.0
06/13/15	13:00:00	89.1	1799.3	130.1	0.0	0.0	480.0
06/13/15	14:00:00	94.3	1799.3	130.1	0.0	0.0	480.0
06/13/15	15:00:00	97.2	1798.8	130.3	0.0	0.0	480.0
06/13/15	16:00:00	97.9	1799.0	130.5	0.0	0.0	480.0
06/13/15	17:00:00	95.6	1798.4	130.9	0.0	0.0	480.0
06/13/15	18:00:00	93.9	1798.3	131.0	0.0	0.0	480.0
06/13/15	19:00:00	88.7	1798.7	131.0	0.0	0.0	480.0
06/13/15	20:00:00	83.3	1799.3	130.9	0.0	0.0	480.0
06/13/15	21:00:00	78.7	1799.3	130.5	0.0	0.0	480.0
06/13/15	22:00:00	74.6	1799.3	130.1	0.0	0.0	480.0
06/13/15	23:00:00	71.4	1799.3	129.8	0.0	0.0	480.0
06/14/15	00:00:00	68.9	1799.3	129.3	0.0	0.0	480.0
06/14/15	01:00:00	66.6	1799.3	132.3	0.0	0.0	480.0
06/14/15	02:00:00	64.4	1799.3	132.0	0.0	0.0	480.0
06/14/15	03:00:00	62.5	1799.3	131.6	0.0	0.0	480.0
06/14/15	04:00:00	60.7	1799.3	131.1	0.0	0.0	480.0
06/14/15	05:00:00	59.2	1799.3	130.9	0.0	0.0	480.0
06/14/15	06:00:00	57.9	1799.3	130.7	0.0	0.0	480.0
06/14/15	07:00:00	57.5	1799.3	130.3	0.0	0.0	480.0
06/14/15	08:00:00	59.9	1799.3	130.0	0.0	0.0	480.0
06/14/15	09:00:00	63.9	1799.3	129.8	0.0	0.0	480.0
06/14/15	10:00:00	67.6	1799.1	129.8	0.0	0.0	480.0
06/14/15	11:00:00	71.8	1799.2	129.9	0.0	0.0	480.0
06/14/15	12:00:00	76.9	1799.3	130.1	0.0	0.0	480.0
06/14/15	13:00:00	81.0	1799.3	130.1	0.0	0.0	480.0
06/14/15	14:00:00	84.4	1799.3	130.1	0.0	0.0	480.0
06/14/15	15:00:00	87.4	1799.3	130.3	0.0	0.0	480.0
06/14/15	16:00:00	89.1	1799.3	130.5	0.0	0.0	480.0
06/14/15	17:00:00	88.5	1799.3	130.9	0.0	0.0	480.0
06/14/15	18:00:00	88.2	1799.3	131.0	0.0	0.0	480.0
06/14/15	19:00:00	85.7	1799.3	131.0	0.0	0.0	480.0
06/14/15	20:00:00	82.1	1799.3	130.9	0.0	0.0	480.0
06/14/15	21:00:00	78.0	1799.3	130.5	0.0	0.0	480.0
06/14/15	22:00:00	74.6	1799.3	130.1	0.0	0.0	480.0
06/14/15	23:00:00	71.2	1799.3	129.8	0.0	0.0	480.0
06/15/15	00:00:00	68.0	1799.3	129.3	0.0	0.0	480.0
06/15/15	01:00:00	64.9	1799.3	126.8	0.0	0.0	480.0
06/15/15	02:00:00	62.6	1799.3	126.6	0.0	0.0	480.0
06/15/15	03:00:00	60.5	1799.3	126.2	0.0	0.0	480.0
06/15/15	04:00:00	58.5	1799.3	125.9	0.0	0.0	480.0
06/15/15	05:00:00	56.8	1799.3	125.8	0.0	0.0	480.0
06/15/15	06:00:00	55.5	1799.3	125.5	0.0	0.0	480.0
06/15/15	07:00:00	55.3	1799.4	125.2	0.0	0.0	480.0
06/15/15	08:00:00	57.9	1799.3	125.0	0.0	0.0	480.0
06/15/15	09:00:00	62.1	1799.2	124.9	0.0	0.0	480.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
06/15/15	10:00:00	66.0	1799.1	124.8	0.0	0.0	480.0
06/15/15	11:00:00	70.6	1799.3	125.0	0.0	0.0	480.0
06/15/15	12:00:00	76.1	1799.3	125.5	0.0	0.0	480.0
06/15/15	13:00:00	81.1	1799.3	125.7	0.0	0.0	480.0
06/15/15	14:00:00	85.5	1799.3	125.8	0.0	0.0	480.0
06/15/15	15:00:00	88.5	1799.3	125.9	0.0	0.0	480.0
06/15/15	16:00:00	89.7	1799.3	125.9	0.0	0.0	480.0
06/15/15	17:00:00	88.3	1799.3	126.2	0.0	0.0	480.0
06/15/15	18:00:00	87.6	1799.3	126.5	0.0	0.0	480.0
06/15/15	19:00:00	85.7	1799.3	126.7	0.0	0.0	480.0
06/15/15	20:00:00	83.2	1799.3	126.6	0.0	0.0	480.0
06/15/15	21:00:00	80.0	1799.3	126.4	0.0	0.0	480.0
06/15/15	22:00:00	76.6	1799.3	126.1	0.0	0.0	480.0
06/15/15	23:00:00	73.0	1799.3	125.9	0.0	0.0	480.0
06/16/15	00:00:00	69.8	1799.3	125.7	0.0	0.0	480.0
06/16/15	01:00:00	67.0	1799.3	125.1	0.0	0.0	480.0
06/16/15	02:00:00	64.6	1799.3	124.8	0.0	0.0	480.0
06/16/15	03:00:00	62.2	1799.3	124.7	0.0	0.0	480.0
06/16/15	04:00:00	60.4	1799.3	124.5	0.0	0.0	480.0
06/16/15	05:00:00	58.9	1799.3	124.3	0.0	0.0	480.0
06/16/15	06:00:00	57.6	1799.3	123.9	0.0	0.0	480.0
06/16/15	07:00:00	57.2	1799.3	123.7	0.0	0.0	480.0
06/16/15	08:00:00	59.6	1799.3	123.6	0.0	0.0	480.0
06/16/15	09:00:00	63.4	1799.1	123.5	0.0	0.0	480.0
06/16/15	10:00:00	67.3	1799.1	123.5	0.0	0.0	480.0
06/16/15	11:00:00	71.8	1799.1	123.6	0.0	0.0	480.0
06/16/15	12:00:00	77.7	1799.3	124.0	0.0	0.0	480.0
06/16/15	13:00:00	83.6	1799.3	124.3	0.0	0.0	480.0
06/16/15	14:00:00	88.9	1799.3	124.5	0.0	0.0	480.0
06/16/15	15:00:00	93.4	1799.3	124.7	0.0	0.0	480.0
06/16/15	16:00:00	96.7	1799.1	124.8	0.0	0.0	480.0
06/16/15	17:00:00	97.0	1798.4	124.9	0.0	0.0	480.0
06/16/15	18:00:00	97.2	1798.3	125.2	0.0	0.0	480.0
06/16/15	19:00:00	95.3	1798.3	125.6	0.0	0.0	480.0
06/16/15	20:00:00	92.0	1798.3	125.7	0.0	0.0	480.0
06/16/15	21:00:00	87.2	1798.5	125.6	0.0	0.0	480.0
06/16/15	22:00:00	82.8	1799.3	125.3	0.0	0.0	480.0
06/16/15	23:00:00	79.4	1799.3	125.0	0.0	0.0	480.0
06/17/15	00:00:00	75.8	1799.3	124.9	0.0	0.0	480.0
06/17/15	01:00:00	72.7	1799.3	124.7	0.0	0.0	480.0
06/17/15	02:00:00	69.7	1799.3	124.3	0.0	0.0	480.0
06/17/15	03:00:00	67.2	1799.3	123.9	0.0	0.0	480.0
06/17/15	04:00:00	65.1	1799.3	123.7	0.0	0.0	480.0
06/17/15	05:00:00	63.3	1799.3	123.5	0.0	0.0	480.0
06/17/15	06:00:00	61.5	1799.3	123.1	0.0	0.0	480.0
06/17/15	07:00:00	60.7	1799.3	122.8	0.0	0.0	480.0
06/17/15	08:00:00	62.6	1799.3	122.7	0.0	0.0	480.0
06/17/15	09:00:00	66.3	1799.2	122.6	0.0	0.0	480.0
06/17/15	10:00:00	70.5	1799.3	122.6	0.0	0.0	480.0
06/17/15	11:00:00	75.5	1799.3	122.9	0.0	0.0	480.0
06/17/15	12:00:00	81.4	1799.3	123.1	0.0	0.0	480.0
06/17/15	13:00:00	87.1	1798.9	123.3	0.0	0.0	480.0
06/17/15	14:00:00	91.8	1799.0	123.5	0.0	0.0	480.0
06/17/15	15:00:00	96.1	1798.5	123.7	0.0	0.0	480.0
06/17/15	16:00:00	99.2	1798.4	123.9	0.0	0.0	480.0
06/17/15	17:00:00	100.0	1798.3	124.1	0.0	0.0	480.0
06/17/15	18:00:00	100.0	1798.3	124.5	0.0	0.0	480.0
06/17/15	19:00:00	98.0	1798.3	124.8	0.0	0.0	480.0
06/17/15	20:00:00	94.5	1798.3	124.8	0.0	0.0	480.0
06/17/15	21:00:00	90.4	1798.3	124.8	0.0	0.0	480.0
06/17/15	22:00:00	86.6	1798.7	124.6	0.0	0.0	480.0
06/17/15	23:00:00	82.3	1799.3	124.3	0.0	0.0	480.0
06/18/15	00:00:00	78.1	1799.3	123.9	0.0	0.0	480.0
06/18/15	01:00:00	74.5	1799.3	123.7	0.0	0.0	480.0
06/18/15	02:00:00	71.0	1799.3	123.3	0.0	0.0	480.0
06/18/15	03:00:00	68.1	1799.3	122.9	0.0	0.0	480.0
06/18/15	04:00:00	65.4	1799.3	122.8	0.0	0.0	480.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
06/18/15	05:00:00	63.1	1799.3	122.6	0.0	0.0	480.0
06/18/15	06:00:00	60.9	1799.3	122.2	0.0	0.0	480.0
06/18/15	07:00:00	60.1	1799.3	121.9	0.0	0.0	480.0
06/18/15	08:00:00	62.7	1799.3	121.8	0.0	0.0	480.0
06/18/15	09:00:00	66.5	1799.2	121.7	0.0	0.0	480.0
06/18/15	10:00:00	72.3	1799.3	122.0	0.0	0.0	480.0
06/18/15	11:00:00	77.3	1799.3	122.0	0.0	0.0	480.0
06/18/15	12:00:00	82.1	1798.9	122.7	0.0	0.0	480.0
06/18/15	13:00:00	86.4	1798.9	122.9	0.0	0.0	480.0
06/18/15	14:00:00	89.6	1799.2	123.2	0.0	0.0	480.0
06/18/15	15:00:00	93.3	1799.1	123.3	0.0	0.0	480.0
06/18/15	16:00:00	95.5	1799.0	123.7	0.0	0.0	480.0
06/18/15	17:00:00	93.1	1798.4	123.8	0.0	0.0	480.0
06/18/15	18:00:00	91.1	1798.5	123.9	0.0	0.0	480.0
06/18/15	19:00:00	89.7	1798.3	124.1	0.0	0.0	480.0
06/18/15	20:00:00	87.0	1798.6	123.9	0.0	0.0	480.0
06/18/15	21:00:00	84.5	1799.2	123.9	0.0	0.0	480.0
06/18/15	22:00:00	81.1	1799.3	123.7	0.0	0.0	480.0
06/18/15	23:00:00	77.2	1799.3	123.3	0.0	0.0	480.0
06/19/15	00:00:00	73.5	1799.3	122.9	0.0	0.0	480.0
06/19/15	01:00:00	70.0	1799.3	122.8	0.0	0.0	480.0
06/19/15	02:00:00	66.7	1799.3	122.5	0.0	0.0	480.0
06/19/15	03:00:00	63.7	1799.3	121.9	0.0	0.0	480.0
06/19/15	04:00:00	61.3	1799.3	121.7	0.0	0.0	480.0
06/19/15	05:00:00	59.2	1799.3	121.4	0.0	0.0	480.0
06/19/15	06:00:00	57.3	1799.3	121.0	0.0	0.0	480.0
06/19/15	07:00:00	57.0	1799.3	120.8	0.0	0.0	480.0
06/19/15	08:00:00	60.3	1799.3	120.7	0.0	0.0	480.0
06/19/15	09:00:00	65.4	1799.0	120.6	0.0	0.0	480.0
06/19/15	10:00:00	70.0	1799.2	120.7	0.0	0.0	480.0
06/19/15	11:00:00	74.7	1799.3	120.9	0.0	0.0	480.0
06/19/15	12:00:00	80.4	1799.3	121.5	0.0	0.0	480.0
06/19/15	13:00:00	85.9	1799.0	121.6	0.0	0.0	480.0
06/19/15	14:00:00	90.6	1799.0	121.7	0.0	0.0	480.0
06/19/15	15:00:00	94.8	1798.4	121.8	0.0	0.0	480.0
06/19/15	16:00:00	97.9	1798.5	121.9	0.0	0.0	480.0
06/19/15	17:00:00	98.1	1798.3	122.3	0.0	0.0	480.0
06/19/15	18:00:00	98.0	1798.3	122.7	0.0	0.0	480.0
06/19/15	19:00:00	95.1	1798.3	122.8	0.0	0.0	480.0
06/19/15	20:00:00	90.1	1798.3	122.8	0.0	0.0	480.0
06/19/15	21:00:00	84.7	1798.3	122.8	0.0	0.0	480.0
06/19/15	22:00:00	80.1	1799.2	122.7	0.0	0.0	480.0
06/19/15	23:00:00	77.1	1799.3	122.5	0.0	0.0	480.0
06/20/15	00:00:00	74.1	1799.3	122.0	0.0	0.0	480.0
06/20/15	01:00:00	71.0	1799.3	121.8	0.0	0.0	480.0
06/20/15	02:00:00	68.4	1799.3	121.5	0.0	0.0	480.0
06/20/15	03:00:00	66.2	1799.3	121.1	0.0	0.0	480.0
06/20/15	04:00:00	64.1	1799.3	120.8	0.0	0.0	480.0
06/20/15	05:00:00	62.3	1799.3	120.7	0.0	0.0	480.0
06/20/15	06:00:00	60.8	1799.3	120.6	0.0	0.0	480.0
06/20/15	07:00:00	59.6	1799.3	120.4	0.0	0.0	480.0
06/20/15	08:00:00	61.1	1799.3	120.2	0.0	0.0	480.0
06/20/15	09:00:00	65.7	1799.1	120.2	0.0	0.0	480.0
06/20/15	10:00:00	71.1	1799.3	120.4	0.0	0.0	480.0
06/20/15	11:00:00	77.2	1799.3	120.6	0.0	0.0	480.0
06/20/15	12:00:00	83.6	1798.9	120.7	0.0	0.0	480.0
06/20/15	13:00:00	89.2	1798.3	120.8	0.0	0.0	480.0
06/20/15	14:00:00	94.1	1798.3	120.9	0.0	0.0	480.0
06/20/15	15:00:00	98.2	1798.3	121.1	0.0	0.0	480.0
06/20/15	16:00:00	101.1	1798.3	121.4	0.0	0.0	480.0
06/20/15	17:00:00	101.7	1797.7	121.7	0.0	0.0	480.0
06/20/15	18:00:00	101.2	1797.3	121.8	0.0	0.0	480.0
06/20/15	19:00:00	99.7	1797.3	122.0	0.0	0.0	480.0
06/20/15	20:00:00	95.6	1797.3	122.1	0.0	0.0	480.0
06/20/15	21:00:00	88.9	1798.1	122.0	0.0	0.0	480.0
06/20/15	22:00:00	83.9	1798.3	121.9	0.0	0.0	480.0
06/20/15	23:00:00	79.8	1798.7	121.8	0.0	0.0	480.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
06/21/15	00:00:00	76.6	1799.2	121.6	0.0	0.0	480.0
06/21/15	01:00:00	73.0	1799.3	121.1	0.0	0.0	480.0
06/21/15	02:00:00	69.9	1799.3	120.8	0.0	0.0	480.0
06/21/15	03:00:00	67.2	1799.3	120.7	0.0	0.0	480.0
06/21/15	04:00:00	64.7	1799.3	120.5	0.0	0.0	480.0
06/21/15	05:00:00	62.6	1799.3	120.0	0.0	0.0	480.0
06/21/15	06:00:00	60.6	1799.3	119.8	0.0	0.0	480.0
06/21/15	07:00:00	59.9	1799.3	119.7	0.0	0.0	480.0
06/21/15	08:00:00	62.1	1799.3	119.6	0.0	0.0	480.0
06/21/15	09:00:00	65.4	1799.3	119.5	0.0	0.0	480.0
06/21/15	10:00:00	68.4	1799.3	119.5	0.0	0.0	480.0
06/21/15	11:00:00	72.5	1799.3	119.6	0.0	0.0	480.0
06/21/15	12:00:00	77.3	1799.1	119.8	0.0	0.0	480.0
06/21/15	13:00:00	81.9	1798.7	119.9	0.0	0.0	480.0
06/21/15	14:00:00	84.9	1798.7	120.0	0.0	0.0	480.0
06/21/15	15:00:00	86.9	1798.9	120.3	0.0	0.0	480.0
06/21/15	16:00:00	87.8	1799.0	120.6	0.0	0.0	480.0
06/21/15	17:00:00	86.7	1798.3	120.7	0.0	0.0	480.0
06/21/15	18:00:00	86.1	1798.3	120.8	0.0	0.0	480.0
06/21/15	19:00:00	84.0	1798.3	120.8	0.0	0.0	480.0
06/21/15	20:00:00	81.1	1798.3	120.8	0.0	0.0	480.0
06/21/15	21:00:00	76.6	1798.7	120.7	0.0	0.0	480.0
06/21/15	22:00:00	72.0	1799.3	120.6	0.0	0.0	480.0
06/21/15	23:00:00	68.5	1799.3	120.2	0.0	0.0	480.0
06/22/15	00:00:00	66.7	1799.3	119.8	0.0	0.0	480.0
06/22/15	01:00:00	64.5	1799.3	119.7	0.0	0.0	480.0
06/22/15	02:00:00	62.2	1799.3	119.5	0.0	0.0	480.0
06/22/15	03:00:00	60.0	1799.3	119.0	0.0	0.0	480.0
06/22/15	04:00:00	58.1	1799.3	118.8	0.0	0.0	480.0
06/22/15	05:00:00	56.3	1799.3	118.7	0.0	0.0	480.0
06/22/15	06:00:00	54.8	1799.3	118.6	0.0	0.0	480.0
06/22/15	07:00:00	54.7	1799.3	118.4	0.0	0.0	480.0
06/22/15	08:00:00	57.8	1799.3	118.4	0.0	0.0	480.0
06/22/15	09:00:00	62.7	1798.7	118.3	0.0	0.0	480.0
06/22/15	10:00:00	67.2	1799.2	118.4	0.0	0.0	480.0
06/22/15	11:00:00	71.7	1799.3	118.6	0.0	0.0	480.0
06/22/15	12:00:00	76.7	1799.0	118.7	0.0	0.0	480.0
06/22/15	13:00:00	82.0	1798.4	118.8	0.0	0.0	480.0
06/22/15	14:00:00	86.6	1798.3	118.9	0.0	0.0	480.0
06/22/15	15:00:00	90.4	1798.3	119.1	0.0	0.0	480.0
06/22/15	16:00:00	92.6	1798.3	119.5	0.0	0.0	480.0
06/22/15	17:00:00	91.8	1798.3	119.7	0.0	0.0	480.0
06/22/15	18:00:00	91.2	1798.2	119.9	0.0	0.0	480.0
06/22/15	19:00:00	88.4	1798.3	120.1	0.0	0.0	480.0
06/22/15	20:00:00	84.6	1798.3	120.1	0.0	0.0	480.0
06/22/15	21:00:00	80.8	1798.3	120.1	0.0	0.0	480.0
06/22/15	22:00:00	77.2	1798.4	119.9	0.0	0.0	480.0
06/22/15	23:00:00	74.5	1799.1	119.8	0.0	0.0	480.0
06/23/15	00:00:00	71.7	1799.3	119.7	0.0	0.0	480.0
06/23/15	01:00:00	69.1	1799.3	119.3	0.0	0.0	480.0
06/23/15	02:00:00	66.8	1799.3	118.9	0.0	0.0	480.0
06/23/15	03:00:00	64.7	1799.3	118.7	0.0	0.0	480.0
06/23/15	04:00:00	62.8	1799.3	118.7	0.0	0.0	480.0
06/23/15	05:00:00	61.1	1799.3	118.6	0.0	0.0	480.0
06/23/15	06:00:00	59.6	1799.3	118.3	0.0	0.0	480.0
06/23/15	07:00:00	59.1	1799.3	118.0	0.0	0.0	480.0
06/23/15	08:00:00	61.6	1799.3	118.0	0.0	0.0	480.0
06/23/15	09:00:00	65.7	1799.0	117.9	0.0	0.0	480.0
06/23/15	10:00:00	69.8	1799.0	118.0	0.0	0.0	480.0
06/23/15	11:00:00	74.4	1799.3	118.3	0.0	0.0	480.0
06/23/15	12:00:00	80.0	1798.9	118.7	0.0	0.0	480.0
06/23/15	13:00:00	85.6	1798.3	118.7	0.0	0.0	480.0
06/23/15	14:00:00	90.5	1798.3	118.7	0.0	0.0	480.0
06/23/15	15:00:00	94.0	1798.3	118.8	0.0	0.0	480.0
06/23/15	16:00:00	95.8	1798.3	119.2	0.0	0.0	480.0
06/23/15	17:00:00	95.5	1798.2	119.7	0.0	0.0	480.0
06/23/15	18:00:00	95.7	1797.4	119.8	0.0	0.0	480.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
06/23/15	19:00:00	92.9	1797.4	119.9	0.0	0.0	480.0
06/23/15	20:00:00	89.5	1798.0	120.0	0.0	0.0	480.0
06/23/15	21:00:00	85.3	1798.3	119.9	0.0	0.0	480.0
06/23/15	22:00:00	81.6	1798.3	119.8	0.0	0.0	480.0
06/23/15	23:00:00	78.7	1798.3	119.7	0.0	0.0	480.0
06/24/15	00:00:00	75.0	1798.8	119.6	0.0	0.0	480.0
06/24/15	01:00:00	72.1	1799.1	119.2	0.0	0.0	480.0
06/24/15	02:00:00	69.5	1799.3	118.8	0.0	0.0	480.0
06/24/15	03:00:00	67.1	1799.3	118.7	0.0	0.0	480.0
06/24/15	04:00:00	65.2	1799.3	118.6	0.0	0.0	480.0
06/24/15	05:00:00	63.4	1799.3	118.3	0.0	0.0	480.0
06/24/15	06:00:00	61.8	1799.3	117.9	0.0	0.0	480.0
06/24/15	07:00:00	61.2	1799.3	117.7	0.0	0.0	480.0
06/24/15	08:00:00	63.6	1799.2	117.7	0.0	0.0	480.0
06/24/15	09:00:00	67.8	1798.6	117.6	0.0	0.0	480.0
06/24/15	10:00:00	71.9	1798.6	117.7	0.0	0.0	480.0
06/24/15	11:00:00	76.4	1798.6	117.9	0.0	0.0	480.0
06/24/15	12:00:00	81.6	1798.3	118.3	0.0	0.0	480.0
06/24/15	13:00:00	86.7	1798.3	118.5	0.0	0.0	480.0
06/24/15	14:00:00	91.1	1798.3	118.7	0.0	0.0	480.0
06/24/15	15:00:00	94.8	1798.3	118.7	0.0	0.0	480.0
06/24/15	16:00:00	97.9	1798.1	118.8	0.0	0.0	480.0
06/24/15	17:00:00	98.8	1797.3	119.0	0.0	0.0	480.0
06/24/15	18:00:00	98.8	1797.3	119.5	0.0	0.0	480.0
06/24/15	19:00:00	96.9	1797.3	119.7	0.0	0.0	480.0
06/24/15	20:00:00	94.4	1797.3	119.7	0.0	0.0	480.0
06/24/15	21:00:00	91.1	1797.3	119.7	0.0	0.0	480.0
06/24/15	22:00:00	87.1	1797.9	119.7	0.0	0.0	480.0
06/24/15	23:00:00	83.1	1798.3	119.6	0.0	0.0	480.0
06/25/15	00:00:00	80.4	1798.3	119.4	0.0	0.0	480.0
06/25/15	01:00:00	77.4	1798.3	118.9	0.0	0.0	480.0
06/25/15	02:00:00	74.7	1798.4	118.7	0.0	0.0	480.0
06/25/15	03:00:00	72.3	1798.5	118.7	0.0	0.0	480.0
06/25/15	04:00:00	70.0	1799.0	118.6	0.0	0.0	480.0
06/25/15	05:00:00	68.1	1799.2	118.2	0.0	0.0	480.0
06/25/15	06:00:00	66.6	1799.2	117.9	0.0	0.0	480.0
06/25/15	07:00:00	65.8	1799.3	117.7	0.0	0.0	480.0
06/25/15	08:00:00	67.7	1799.2	117.7	0.0	0.0	480.0
06/25/15	09:00:00	71.8	1798.7	117.7	0.0	0.0	480.0
06/25/15	10:00:00	76.5	1798.3	117.7	0.0	0.0	480.0
06/25/15	11:00:00	81.6	1798.3	117.8	0.0	0.0	480.0
06/25/15	12:00:00	87.3	1798.0	118.3	0.0	0.0	480.0
06/25/15	13:00:00	92.9	1797.3	118.5	0.0	0.0	480.0
06/25/15	14:00:00	97.7	1797.3	118.6	0.0	0.0	480.0
06/25/15	15:00:00	101.8	1797.3	118.7	0.0	0.0	480.0
06/25/15	16:00:00	105.2	1797.3	118.8	0.0	0.0	480.0
06/25/15	17:00:00	104.5	1797.3	119.1	0.0	0.0	480.0
06/25/15	18:00:00	103.5	1797.2	119.6	0.0	0.0	480.0
06/25/15	19:00:00	101.2	1797.3	119.7	0.0	0.0	480.0
06/25/15	20:00:00	97.7	1797.3	119.8	0.0	0.0	480.0
06/25/15	21:00:00	92.7	1797.3	119.8	0.0	0.0	480.0
06/25/15	22:00:00	87.0	1797.3	119.7	0.0	0.0	480.0
06/25/15	23:00:00	83.1	1798.1	119.6	0.0	0.0	480.0
06/26/15	00:00:00	80.6	1798.3	119.3	0.0	0.0	480.0
06/26/15	01:00:00	78.2	1798.3	118.9	0.0	0.0	480.0
06/26/15	02:00:00	75.5	1798.3	118.7	0.0	0.0	480.0
06/26/15	03:00:00	73.0	1798.3	118.7	0.0	0.0	480.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
06/26/15	04:00:00	70.6	1798.3	118.4	0.0	0.0	480.0
06/26/15	05:00:00	68.5	1798.3	118.0	0.0	0.0	480.0
06/26/15	06:00:00	66.6	1798.4	117.7	0.0	0.0	480.0
06/26/15	07:00:00	65.6	1798.9	117.7	0.0	0.0	480.0
06/26/15	08:00:00	67.9	1798.9	117.7	0.0	0.0	480.0
06/26/15	09:00:00	72.4	1798.3	117.6	0.0	0.0	480.0
06/26/15	10:00:00	77.4	1798.3	117.6	0.0	0.0	480.0
06/26/15	11:00:00	82.6	1798.3	117.7	0.0	0.0	480.0
06/26/15	12:00:00	88.1	1798.0	118.0	0.0	0.0	480.0
06/26/15	13:00:00	93.3	1797.3	118.3	0.0	0.0	480.0
06/26/15	14:00:00	97.6	1797.3	118.6	0.0	0.0	480.0
06/26/15	15:00:00	101.3	1797.3	118.7	0.0	0.0	480.0
06/26/15	16:00:00	103.5	1797.3	118.7	0.0	0.0	480.0
06/26/15	17:00:00	102.5	1797.3	118.9	0.0	0.0	480.0
06/26/15	18:00:00	100.8	1796.8	119.3	0.0	0.0	480.0
06/26/15	19:00:00	95.4	1797.3	119.6	0.0	0.0	480.0
06/26/15	20:00:00	89.5	1797.3	119.6	0.0	0.0	480.0
06/26/15	21:00:00	83.6	1797.3	119.2	0.0	0.0	480.0
06/26/15	22:00:00	77.9	1797.9	118.7	0.0	0.0	480.0
06/26/15	23:00:00	73.6	1798.3	118.6	0.0	0.0	480.0
06/27/15	00:00:00	70.6	1798.3	118.1	0.0	0.0	480.0
06/27/15	01:00:00	68.5	1798.3	117.8	0.0	0.0	480.0
06/27/15	02:00:00	67.0	1798.3	117.6	0.0	0.0	480.0
06/27/15	03:00:00	65.7	1798.3	117.4	0.0	0.0	480.0
06/27/15	04:00:00	64.4	1798.3	117.0	0.0	0.0	480.0
06/27/15	05:00:00	63.2	1798.3	116.8	0.0	0.0	480.0
06/27/15	06:00:00	61.9	1798.3	116.7	0.0	0.0	480.0
06/27/15	07:00:00	61.3	1798.3	116.7	0.0	0.0	480.0
06/27/15	08:00:00	61.7	1798.4	116.6	0.0	0.0	480.0
06/27/15	09:00:00	64.7	1798.5	116.6	0.0	0.0	480.0
06/27/15	10:00:00	67.1	1798.6	116.6	0.0	0.0	480.0
06/27/15	11:00:00	70.9	1798.3	116.6	0.0	0.0	480.0
06/27/15	12:00:00	75.8	1798.3	116.7	0.0	0.0	480.0
06/27/15	13:00:00	80.8	1798.3	116.8	0.0	0.0	480.0
06/27/15	14:00:00	84.7	1798.1	117.0	0.0	0.0	480.0
06/27/15	15:00:00	86.5	1798.0	117.4	0.0	0.0	480.0
06/27/15	16:00:00	87.5	1797.9	117.6	0.0	0.0	480.0
06/27/15	17:00:00	86.7	1797.5	117.7	0.0	0.0	480.0
06/27/15	18:00:00	86.2	1797.4	117.8	0.0	0.0	480.0
06/27/15	19:00:00	85.2	1797.3	117.9	0.0	0.0	480.0
06/27/15	20:00:00	82.5	1797.3	117.9	0.0	0.0	480.0
06/27/15	21:00:00	77.9	1797.8	117.8	0.0	0.0	480.0
06/27/15	22:00:00	73.4	1798.3	117.7	0.0	0.0	480.0
06/27/15	23:00:00	70.1	1798.3	117.5	0.0	0.0	480.0
06/28/15	00:00:00	68.0	1798.3	117.1	0.0	0.0	480.0
06/28/15	01:00:00	66.5	1798.3	116.8	0.0	0.0	480.0
06/28/15	02:00:00	65.5	1798.3	116.7	0.0	0.0	480.0
06/28/15	03:00:00	65.0	1798.3	116.7	0.0	0.0	480.0
06/28/15	04:00:00	64.5	1798.3	116.6	0.0	0.0	480.0
06/28/15	05:00:00	64.1	1798.3	116.6	0.0	0.0	480.0
06/28/15	06:00:00	63.8	1798.3	116.5	0.0	0.0	480.0
06/28/15	07:00:00	63.7	1798.3	116.4	0.0	0.0	480.0
06/28/15	08:00:00	63.8	1798.3	116.3	0.0	0.0	480.0
06/28/15	09:00:00	66.3	1798.3	116.3	0.0	0.0	480.0
06/28/15	10:00:00	69.9	1798.3	116.4	0.0	0.0	480.0
06/28/15	11:00:00	74.0	1798.3	116.6	0.0	0.0	480.0
06/28/15	12:00:00	78.5	1798.1	116.7	0.0	0.0	480.0
06/28/15	13:00:00	82.9	1797.8	116.7	0.0	0.0	480.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
06/28/15	14:00:00	86.3	1797.9	116.8	0.0	0.0	480.0
06/28/15	15:00:00	88.3	1797.4	117.2	0.0	0.0	480.0
06/28/15	16:00:00	89.2	1797.7	117.5	0.0	0.0	480.0
06/28/15	17:00:00	88.4	1797.3	117.7	0.0	0.0	480.0
06/28/15	18:00:00	88.0	1797.3	117.7	0.0	0.0	480.0
06/28/15	19:00:00	85.9	1797.3	117.9	0.0	0.0	480.0
06/28/15	20:00:00	83.0	1797.3	117.8	0.0	0.0	480.0
06/28/15	21:00:00	78.5	1797.3	117.7	0.0	0.0	480.0
06/28/15	22:00:00	73.4	1798.2	117.6	0.0	0.0	480.0
06/28/15	23:00:00	69.6	1798.3	117.1	0.0	0.0	480.0
06/29/15	00:00:00	67.1	1798.3	116.7	0.0	0.0	480.0
06/29/15	01:00:00	65.2	1798.3	116.7	0.0	0.0	480.0
06/29/15	02:00:00	63.6	1798.3	116.6	0.0	0.0	480.0
06/29/15	03:00:00	62.4	1798.3	116.3	0.0	0.0	480.0
06/29/15	04:00:00	61.4	1798.3	116.0	0.0	0.0	480.0
06/29/15	05:00:00	60.3	1798.3	115.7	0.0	0.0	480.0
06/29/15	06:00:00	59.4	1798.3	115.6	0.0	0.0	480.0
06/29/15	07:00:00	59.2	1798.3	115.6	0.0	0.0	480.0
06/29/15	08:00:00	61.0	1798.3	115.6	0.0	0.0	480.0
06/29/15	09:00:00	64.5	1798.3	115.5	0.0	0.0	480.0
06/29/15	10:00:00	68.2	1798.3	115.5	0.0	0.0	480.0
06/29/15	11:00:00	72.6	1798.3	115.7	0.0	0.0	480.0
06/29/15	12:00:00	78.4	1798.1	116.2	0.0	0.0	480.0
06/29/15	13:00:00	83.9	1797.4	116.5	0.0	0.0	480.0
06/29/15	14:00:00	88.7	1797.4	116.6	0.0	0.0	480.0
06/29/15	15:00:00	92.2	1797.3	116.7	0.0	0.0	480.0
06/29/15	16:00:00	94.9	1797.3	116.9	0.0	0.0	480.0
06/29/15	17:00:00	95.4	1797.3	117.4	0.0	0.0	480.0
06/29/15	18:00:00	96.0	1797.3	117.7	0.0	0.0	480.0
06/29/15	19:00:00	95.2	1797.3	117.8	0.0	0.0	480.0
06/29/15	20:00:00	93.0	1797.3	117.9	0.0	0.0	480.0
06/29/15	21:00:00	89.8	1797.3	117.8	0.0	0.0	480.0
06/29/15	22:00:00	85.5	1797.3	117.7	0.0	0.0	480.0
06/29/15	23:00:00	80.9	1797.3	117.7	0.0	0.0	480.0
06/30/15	00:00:00	77.9	1797.3	117.6	0.0	0.0	480.0
06/30/15	01:00:00	75.6	1797.5	117.4	0.0	0.0	480.0
06/30/15	02:00:00	73.3	1798.2	116.9	0.0	0.0	480.0
06/30/15	03:00:00	71.4	1798.3	116.7	0.0	0.0	480.0
06/30/15	04:00:00	69.6	1798.3	116.7	0.0	0.0	480.0
06/30/15	05:00:00	68.1	1798.3	116.7	0.0	0.0	480.0
06/30/15	06:00:00	67.0	1798.3	116.6	0.0	0.0	480.0
06/30/15	07:00:00	66.8	1798.3	116.4	0.0	0.0	480.0
06/30/15	08:00:00	69.2	1798.3	116.4	0.0	0.0	480.0
06/30/15	09:00:00	73.0	1798.3	116.5	0.0	0.0	480.0
06/30/15	10:00:00	77.2	1798.1	116.5	0.0	0.0	480.0
06/30/15	11:00:00	82.4	1797.3	116.6	0.0	0.0	480.0
06/30/15	12:00:00	88.3	1797.3	116.7	0.0	0.0	480.0
06/30/15	13:00:00	94.3	1797.3	116.7	0.0	0.0	480.0
06/30/15	14:00:00	99.3	1797.2	116.8	0.0	0.0	480.0

Attachment 4a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002	PIT-012	PIT-018	FE-004	FE-009	
		I/W Manifold	I/W Well Tubing	I/W Well Annulus	Injection Gas Flow Rate	Air Flow to Atmosphere	Cumulative Net Injection
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
06/30/15	15:00:00	103.1	1796.6	117.1	0.0	0.0	480.0
06/30/15	16:00:00	106.6	1796.5	117.5	0.0	0.0	480.0
06/30/15	17:00:00	108.5	1796.4	117.7	0.0	0.0	480.0
06/30/15	18:00:00	110.7	1796.4	118.1	0.0	0.0	480.0
06/30/15	19:00:00	109.5	1796.3	118.4	0.0	0.0	480.0
06/30/15	20:00:00	107.0	1796.3	118.8	0.0	0.0	480.0
06/30/15	21:00:00	101.8	1796.5	118.7	0.0	0.0	480.0
06/30/15	22:00:00	95.8	1796.5	118.5	0.0	0.0	480.0
06/30/15	23:00:00	89.9	1797.2	118.3	0.0	0.0	480.0
07/01/15	00:00:00	86.0	1797.3	118.0	0.0	0.0	480.0
Monthly Statistics							
February Average:		71.4	1638.8	38.8	2.7	0.0	February Monthly Total
February Minimum:		42.4	1615.3	20.2	0.0	0.0	38.6
February Maximum:		111.3	1672.5	85.7	6.4	5.0	
March Average:		83.6	1720.5	59.4	6.6	0.0	March Monthly Total
March Minimum:		49.5	1656.1	25.4	0.0	0.0	204.5
March Maximum:		117.6	1783.5	151.9	10.7	6.2	
April Average:		85.9	1810.4	98.2	7.9	0.0	April Monthly Total
April Minimum:		42.8	1739.6	39.0	0.0	0.0	236.2
April Maximum:		117.7	1864.8	293.3	12.2	9.8	
May Average:		82.2	1814.2	149.4	4.5	3.1	May Monthly Total
May Minimum:		43.4	1465.5	69.7	0.0	0.0	42.1
May Maximum:		134.9	1876.9	479.1	12.6	45.4	
June Average:		78.7	1786.3	174.6	0.0	1.4	June Monthly Total
June Minimum:		50.9	1545.5	115.3	0.0	0.0	-41.5
June Maximum:		111.2	1800.3	631.3	0.0	32.5	
Quarterly Statistics							
2015 Q1 Average		79.7	1694.5	52.8	5.4	0.0	2015 Q1 Total
2015 Q1 Minimum		42.4	1615.3	20.2	0.0	0.0	243.2
2015 Q1 Maximum		117.6	1783.5	151.9	10.7	6.2	
2015 Q2 Average		82.6	1804.4	139.9	4.1	1.5	2015 Q2 Total
2015 Q2 Minimum		42.8	1465.5	39.0	0.0	0.0	236.8
2015 Q2 Maximum		134.9	1876.9	631.3	12.6	45.4	

Notes:

1) Data are missing on 3/08/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
2) Data are missing on 4/03/15 at 08:00:00 hours because the DAS data recording system was down. No data was being recorded during this period.
3) Data are missing on 5/16/15 from 08:00:00 hours to 12:00:00 hours due to an accidental shutdown of the data acquisition program.
4) Data are missing on 5/30/15 from 05:38 hours to 06:48 hours due to site power being out. Data indicated for 05:00:00 hours and 06:00:00 are only partial due to the timing of the power outage.
5) Data are missing on 6/03/15 at 08:00:00 hours because the wellhead tubing gauge was out of service while running the pressure/temperature recorder to the bottom of the well.
6) Data are missing from 6/05/15 and 6/11/15 due to the transition to a new Data Acquisition System.

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/08/15	01:00:00	0.0	0.0
02/08/15	02:00:00	0.0	0.0
02/08/15	03:00:00	0.0	0.0
02/08/15	04:00:00	0.0	0.0
02/08/15	05:00:00	0.0	0.0
02/08/15	06:00:00	0.0	0.0
02/08/15	07:00:00	0.0	0.0
02/08/15	08:00:00	0.0	0.0
02/08/15	09:00:00	0.0	0.0
02/08/15	10:00:00	0.0	0.0
02/08/15	11:00:00	0.0	0.0
02/08/15	12:00:00	0.0	0.0
02/08/15	13:00:00	0.0	0.0
02/08/15	14:00:00	0.0	0.0
02/08/15	15:00:00	0.0	0.0
02/08/15	16:00:00	0.0	0.0
02/08/15	17:00:00	0.0	0.0
02/08/15	18:00:00	0.0	0.0
02/08/15	19:00:00	0.0	0.0
02/08/15	20:00:00	0.0	0.0
02/08/15	21:00:00	0.0	0.0
02/08/15	22:00:00	0.0	0.0
02/08/15	23:00:00	0.0	0.0
02/09/15	00:00:00	0.0	0.0
02/09/15	01:00:00	0.0	0.0
02/09/15	02:00:00	0.0	0.0
02/09/15	03:00:00	0.0	0.0
02/09/15	04:00:00	0.0	0.0
02/09/15	05:00:00	0.0	0.0
02/09/15	06:00:00	0.0	0.0
02/09/15	07:00:00	0.0	0.0
02/09/15	08:00:00	0.0	0.0
02/09/15	09:00:00	0.0	0.0
02/09/15	10:00:00	0.0	0.0
02/09/15	11:00:00	0.0	0.0
02/09/15	12:00:00	0.0	0.0
02/09/15	13:00:00	0.0	0.0
02/09/15	14:00:00	0.0	0.0
02/09/15	15:00:00	0.0	0.0
02/09/15	16:00:00	0.0	0.0
02/09/15	17:00:00	0.0	0.0
02/09/15	18:00:00	0.0	0.0
02/09/15	19:00:00	0.0	0.0
02/09/15	20:00:00	0.0	0.0
02/09/15	21:00:00	0.0	0.0
02/09/15	22:00:00	0.0	0.0
02/09/15	23:00:00	0.0	0.0
02/10/15	00:00:00	0.0	0.0
02/10/15	01:00:00	0.0	0.0
02/10/15	02:00:00	0.0	0.0
02/10/15	03:00:00	0.0	0.0
02/10/15	04:00:00	0.0	0.0
02/10/15	05:00:00	0.0	0.0
02/10/15	06:00:00	0.0	0.0
02/10/15	07:00:00	0.0	0.0
02/10/15	08:00:00	0.0	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/10/15	09:00:00	0.0	0.0
02/10/15	10:00:00	0.0	0.0
02/10/15	11:00:00	0.0	0.0
02/10/15	12:00:00	0.0	0.0
02/10/15	13:00:00	0.0	0.0
02/10/15	14:00:00	0.0	0.0
02/10/15	15:00:00	0.0	0.0
02/10/15	16:00:00	0.0	0.0
02/10/15	17:00:00	0.0	0.0
02/10/15	18:00:00	0.0	0.0
02/10/15	19:00:00	0.0	0.0
02/10/15	20:00:00	0.0	0.0
02/10/15	21:00:00	0.0	0.0
02/10/15	22:00:00	0.0	0.0
02/10/15	23:00:00	0.0	0.0
02/11/15	00:00:00	0.0	0.0
02/11/15	01:00:00	0.0	0.0
02/11/15	02:00:00	0.0	0.0
02/11/15	03:00:00	0.0	0.0
02/11/15	04:00:00	0.0	0.0
02/11/15	05:00:00	0.0	0.0
02/11/15	06:00:00	0.0	0.0
02/11/15	07:00:00	0.0	0.0
02/11/15	08:00:00	0.0	0.0
02/11/15	09:00:00	0.0	0.0
02/11/15	10:00:00	0.0	0.0
02/11/15	11:00:00	0.0	0.0
02/11/15	12:00:00	0.0	0.0
02/11/15	13:00:00	0.0	0.0
02/11/15	14:00:00	0.0	0.0
02/11/15	15:00:00	0.0	0.0
02/11/15	16:00:00	0.7	0.0
02/11/15	17:00:00	1.8	0.0
02/11/15	18:00:00	2.4	0.0
02/11/15	19:00:00	2.9	0.0
02/11/15	20:00:00	3.4	0.0
02/11/15	21:00:00	4.0	0.0
02/11/15	22:00:00	4.5	0.0
02/11/15	23:00:00	5.0	0.0
02/12/15	00:00:00	5.5	0.0
02/12/15	01:00:00	6.1	0.0
02/12/15	02:00:00	6.6	0.0
02/12/15	03:00:00	7.2	0.0
02/12/15	04:00:00	7.7	0.0
02/12/15	05:00:00	8.3	0.0
02/12/15	06:00:00	8.9	0.0
02/12/15	07:00:00	9.5	0.0
02/12/15	08:00:00	10.3	0.0
02/12/15	09:00:00	11.2	0.0
02/12/15	10:00:00	12.2	0.0
02/12/15	11:00:00	13.6	0.0
02/12/15	12:00:00	14.7	0.0
02/12/15	13:00:00	15.9	0.0
02/12/15	14:00:00	17.1	0.0
02/12/15	15:00:00	18.2	0.0
02/12/15	16:00:00	19.1	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/12/15	17:00:00	20.1	0.0
02/12/15	18:00:00	20.5	0.0
02/12/15	19:00:00	21.1	0.0
02/12/15	20:00:00	21.6	0.0
02/12/15	21:00:00	22.2	0.0
02/12/15	22:00:00	22.8	0.0
02/12/15	23:00:00	23.3	0.0
02/13/15	00:00:00	23.9	0.0
02/13/15	01:00:00	24.5	0.0
02/13/15	02:00:00	25.0	0.0
02/13/15	03:00:00	25.6	0.0
02/13/15	04:00:00	26.2	0.0
02/13/15	05:00:00	26.8	0.0
02/13/15	06:00:00	27.4	0.0
02/13/15	07:00:00	28.1	0.0
02/13/15	08:00:00	28.8	0.0
02/13/15	09:00:00	29.9	0.0
02/13/15	10:00:00	31.2	0.0
02/13/15	11:00:00	32.8	0.0
02/13/15	12:00:00	34.2	0.0
02/13/15	13:00:00	35.6	0.0
02/13/15	14:00:00	533.3	0.0
02/13/15	15:00:00	1684.1	0.0
02/13/15	16:00:00	1683.9	0.0
02/13/15	17:00:00	1664.3	1.1
02/13/15	18:00:00	1638.4	0.0
02/13/15	19:00:00	1637.7	0.0
02/13/15	20:00:00	1637.5	0.0
02/13/15	21:00:00	1637.4	0.0
02/13/15	22:00:00	1637.3	0.0
02/13/15	23:00:00	1637.2	0.0
02/14/15	00:00:00	1637.2	0.0
02/14/15	01:00:00	1637.2	0.0
02/14/15	02:00:00	1637.2	0.0
02/14/15	03:00:00	1637.2	0.0
02/14/15	04:00:00	1637.2	0.0
02/14/15	05:00:00	1637.2	0.0
02/14/15	06:00:00	1637.2	0.0
02/14/15	07:00:00	1637.2	0.0
02/14/15	08:00:00	1637.3	0.0
02/14/15	09:00:00	1637.4	0.0
02/14/15	10:00:00	1637.3	0.0
02/14/15	11:00:00	1637.4	0.0
02/14/15	12:00:00	1637.0	0.0
02/14/15	13:00:00	1637.2	0.0
02/14/15	14:00:00	1636.6	1.1
02/14/15	15:00:00	1630.8	2.3
02/14/15	16:00:00	1632.2	2.3
02/14/15	17:00:00	1631.9	1.9
02/14/15	18:00:00	1625.4	1.1
02/14/15	19:00:00	1626.4	1.3
02/14/15	20:00:00	1628.9	1.9
02/14/15	21:00:00	1629.3	1.8
02/14/15	22:00:00	1629.5	1.9
02/14/15	23:00:00	1629.8	1.9
02/15/15	00:00:00	1628.2	1.5

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/15/15	01:00:00	1629.3	1.9
02/15/15	02:00:00	1626.5	1.1
02/15/15	03:00:00	1627.3	1.7
02/15/15	04:00:00	1629.8	2.1
02/15/15	05:00:00	1630.0	2.1
02/15/15	06:00:00	1630.2	2.1
02/15/15	07:00:00	1630.5	2.1
02/15/15	08:00:00	1630.6	2.0
02/15/15	09:00:00	1630.1	1.9
02/15/15	10:00:00	1629.7	1.8
02/15/15	11:00:00	1629.0	1.6
02/15/15	12:00:00	1629.5	1.8
02/15/15	13:00:00	1629.6	1.8
02/15/15	14:00:00	1628.0	1.2
02/15/15	15:00:00	1627.5	1.5
02/15/15	16:00:00	1628.7	1.6
02/15/15	17:00:00	1629.1	1.7
02/15/15	18:00:00	1629.2	1.8
02/15/15	19:00:00	1629.3	1.8
02/15/15	20:00:00	1629.5	1.9
02/15/15	21:00:00	1629.8	1.9
02/15/15	22:00:00	1629.9	1.9
02/15/15	23:00:00	1630.0	1.9
02/16/15	00:00:00	1630.1	1.9
02/16/15	01:00:00	1630.1	1.9
02/16/15	02:00:00	1630.7	2.1
02/16/15	03:00:00	1631.0	2.1
02/16/15	04:00:00	1631.0	2.1
02/16/15	05:00:00	1631.0	2.1
02/16/15	06:00:00	1630.5	1.9
02/16/15	07:00:00	1630.8	2.0
02/16/15	08:00:00	1631.0	2.0
02/16/15	09:00:00	1630.6	1.9
02/16/15	10:00:00	1630.6	1.9
02/16/15	11:00:00	1630.5	1.8
02/16/15	12:00:00	1630.3	1.7
02/16/15	13:00:00	1630.4	1.6
02/16/15	14:00:00	1630.3	1.6
02/16/15	15:00:00	1630.2	1.6
02/16/15	16:00:00	1629.9	1.6
02/16/15	17:00:00	1630.3	1.7
02/16/15	18:00:00	1629.9	1.7
02/16/15	19:00:00	1630.1	1.8
02/16/15	20:00:00	1630.3	1.9
02/16/15	21:00:00	1630.6	1.9
02/16/15	22:00:00	1630.8	2.0
02/16/15	23:00:00	1631.2	2.0
02/17/15	00:00:00	1631.0	1.9
02/17/15	01:00:00	1630.8	1.9
02/17/15	02:00:00	1630.9	2.0
02/17/15	03:00:00	1631.1	2.0
02/17/15	04:00:00	1631.4	2.2
02/17/15	05:00:00	1631.7	2.2
02/17/15	06:00:00	1631.8	2.1
02/17/15	07:00:00	1625.5	0.0
02/17/15	08:00:00	1623.2	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/17/15	09:00:00	1621.8	0.0
02/17/15	10:00:00	1620.8	0.0
02/17/15	11:00:00	1620.0	0.0
02/17/15	12:00:00	1619.5	0.0
02/17/15	13:00:00	1618.9	0.0
02/17/15	14:00:00	1618.6	0.0
02/17/15	15:00:00	1618.3	0.0
02/17/15	16:00:00	1617.8	0.0
02/17/15	17:00:00	1617.8	0.0
02/17/15	18:00:00	1617.4	0.0
02/17/15	19:00:00	1617.3	0.0
02/17/15	20:00:00	1617.2	0.0
02/17/15	21:00:00	1617.1	0.0
02/17/15	22:00:00	1617.0	0.0
02/17/15	23:00:00	1616.8	0.0
02/18/15	00:00:00	1616.7	0.0
02/18/15	01:00:00	1616.6	0.0
02/18/15	02:00:00	1616.6	0.0
02/18/15	03:00:00	1616.5	0.0
02/18/15	04:00:00	1616.4	0.0
02/18/15	05:00:00	1616.4	0.0
02/18/15	06:00:00	1616.3	0.0
02/18/15	07:00:00	1616.2	0.0
02/18/15	08:00:00	1616.4	0.0
02/18/15	09:00:00	1616.3	0.0
02/18/15	10:00:00	1616.1	0.0
02/18/15	11:00:00	1616.0	0.0
02/18/15	12:00:00	1616.0	0.0
02/18/15	13:00:00	1616.0	0.0
02/18/15	14:00:00	1616.0	0.0
02/18/15	15:00:00	1616.2	0.0
02/18/15	16:00:00	1615.7	0.0
02/18/15	17:00:00	1615.9	0.0
02/18/15	18:00:00	1615.6	0.0
02/18/15	19:00:00	1615.6	0.1
02/18/15	20:00:00	1615.6	0.1
02/18/15	21:00:00	1615.7	0.0
02/18/15	22:00:00	1615.7	0.0
02/18/15	23:00:00	1621.0	1.4
02/19/15	00:00:00	1624.7	1.8
02/19/15	01:00:00	1624.9	1.4
02/19/15	02:00:00	1619.6	0.0
02/19/15	03:00:00	1618.6	0.0
02/19/15	04:00:00	1618.8	0.3
02/19/15	05:00:00	1625.0	1.8
02/19/15	06:00:00	1626.6	1.8
02/19/15	07:00:00	1627.6	1.8
02/19/15	08:00:00	1628.3	1.8
02/19/15	09:00:00	1628.7	1.8
02/19/15	10:00:00	1629.1	1.8
02/19/15	11:00:00	1629.5	1.8
02/19/15	12:00:00	1629.8	1.8
02/19/15	13:00:00	1630.0	1.8
02/19/15	14:00:00	1630.2	1.8
02/19/15	15:00:00	1630.4	1.8
02/19/15	16:00:00	1630.6	1.9

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/19/15	17:00:00	1630.7	1.9
02/19/15	18:00:00	1630.8	1.9
02/19/15	19:00:00	1630.9	1.9
02/19/15	20:00:00	1631.0	1.9
02/19/15	21:00:00	1631.1	1.9
02/19/15	22:00:00	1631.1	1.9
02/19/15	23:00:00	1631.2	1.9
02/20/15	00:00:00	1631.3	1.9
02/20/15	01:00:00	1631.4	1.9
02/20/15	02:00:00	1631.4	1.9
02/20/15	03:00:00	1631.4	1.9
02/20/15	04:00:00	1631.4	1.9
02/20/15	05:00:00	1631.5	1.9
02/20/15	06:00:00	1631.5	1.9
02/20/15	07:00:00	1631.5	1.9
02/20/15	08:00:00	1631.7	1.9
02/20/15	09:00:00	1631.7	1.9
02/20/15	10:00:00	1631.7	1.9
02/20/15	11:00:00	1626.8	0.1
02/20/15	12:00:00	1624.2	0.0
02/20/15	13:00:00	1622.8	0.0
02/20/15	14:00:00	1622.1	0.0
02/20/15	15:00:00	1621.5	0.0
02/20/15	16:00:00	1623.8	1.1
02/20/15	17:00:00	1628.6	2.0
02/20/15	18:00:00	1627.6	1.3
02/20/15	19:00:00	1622.9	0.0
02/20/15	20:00:00	1627.1	1.7
02/20/15	21:00:00	1629.6	2.0
02/20/15	22:00:00	1630.3	2.1
02/20/15	23:00:00	1630.9	2.1
02/21/15	00:00:00	1631.4	2.1
02/21/15	01:00:00	1631.8	2.1
02/21/15	02:00:00	1632.0	2.0
02/21/15	03:00:00	1632.3	2.1
02/21/15	04:00:00	1632.4	2.1
02/21/15	05:00:00	1632.5	2.1
02/21/15	06:00:00	1632.6	2.1
02/21/15	07:00:00	1632.7	2.1
02/21/15	08:00:00	1632.8	2.1
02/21/15	09:00:00	1632.9	2.1
02/21/15	10:00:00	1633.0	2.1
02/21/15	11:00:00	1633.1	2.1
02/21/15	12:00:00	1633.2	2.1
02/21/15	13:00:00	1633.3	2.0
02/21/15	14:00:00	1633.1	2.0
02/21/15	15:00:00	1632.7	1.8
02/21/15	16:00:00	1632.5	1.8
02/21/15	17:00:00	1632.8	1.9
02/21/15	18:00:00	1632.6	1.9
02/21/15	19:00:00	1632.5	1.9
02/21/15	20:00:00	1632.7	1.9
02/21/15	21:00:00	1632.7	2.0
02/21/15	22:00:00	1632.7	2.0
02/21/15	23:00:00	1632.7	2.0
02/22/15	00:00:00	1632.8	2.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/22/15	01:00:00	1632.9	2.0
02/22/15	02:00:00	1633.0	1.9
02/22/15	03:00:00	1633.0	1.9
02/22/15	04:00:00	1633.0	1.9
02/22/15	05:00:00	1632.9	2.0
02/22/15	06:00:00	1632.9	2.0
02/22/15	07:00:00	1632.9	2.0
02/22/15	08:00:00	1633.0	2.0
02/22/15	09:00:00	1633.0	2.0
02/22/15	10:00:00	1633.4	2.0
02/22/15	11:00:00	1633.4	1.9
02/22/15	12:00:00	1633.4	1.8
02/22/15	13:00:00	1633.7	1.9
02/22/15	14:00:00	1633.9	1.9
02/22/15	15:00:00	1634.0	1.9
02/22/15	16:00:00	1633.9	1.9
02/22/15	17:00:00	1634.2	2.0
02/22/15	18:00:00	1634.0	2.0
02/22/15	19:00:00	1634.1	2.0
02/22/15	20:00:00	1634.2	2.1
02/22/15	21:00:00	1634.3	2.1
02/22/15	22:00:00	1634.4	2.2
02/22/15	23:00:00	1634.4	2.2
02/23/15	00:00:00	1634.5	2.1
02/23/15	01:00:00	1634.5	2.1
02/23/15	02:00:00	1634.6	2.2
02/23/15	03:00:00	1634.6	2.2
02/23/15	04:00:00	1634.6	2.2
02/23/15	05:00:00	1634.6	2.2
02/23/15	06:00:00	1634.7	2.1
02/23/15	07:00:00	1634.7	2.1
02/23/15	08:00:00	1634.8	2.1
02/23/15	09:00:00	1634.9	2.1
02/23/15	10:00:00	1634.9	2.0
02/23/15	11:00:00	1634.9	2.0
02/23/15	12:00:00	1634.9	1.9
02/23/15	13:00:00	1635.1	1.9
02/23/15	14:00:00	1635.1	1.9
02/23/15	15:00:00	1637.3	2.7
02/23/15	16:00:00	1640.2	3.5
02/23/15	17:00:00	1641.8	3.6
02/23/15	18:00:00	1642.4	3.7
02/23/15	19:00:00	1642.8	3.6
02/23/15	20:00:00	1640.5	2.6
02/23/15	21:00:00	1640.9	3.1
02/23/15	22:00:00	1642.5	3.6
02/23/15	23:00:00	1642.8	3.6
02/24/15	00:00:00	1643.0	3.6
02/24/15	01:00:00	1643.0	3.5
02/24/15	02:00:00	1643.2	3.5
02/24/15	03:00:00	1643.2	3.5
02/24/15	04:00:00	1643.1	3.4
02/24/15	05:00:00	1643.2	3.4
02/24/15	06:00:00	1643.3	3.5
02/24/15	07:00:00	1643.3	3.5
02/24/15	08:00:00	1643.6	3.5

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/24/15	09:00:00	1643.5	3.4
02/24/15	10:00:00	1643.7	3.4
02/24/15	11:00:00	1643.7	3.4
02/24/15	12:00:00	1644.2	3.4
02/24/15	13:00:00	1645.0	3.6
02/24/15	14:00:00	1649.5	4.8
02/24/15	15:00:00	1650.7	4.8
02/24/15	16:00:00	1651.2	4.7
02/24/15	17:00:00	1652.5	4.8
02/24/15	18:00:00	1651.6	4.4
02/24/15	19:00:00	1652.2	4.7
02/24/15	20:00:00	1653.1	4.9
02/24/15	21:00:00	1653.3	4.8
02/24/15	22:00:00	1653.5	4.9
02/24/15	23:00:00	1653.7	4.8
02/25/15	00:00:00	1653.8	4.9
02/25/15	01:00:00	1654.1	5.0
02/25/15	02:00:00	1654.2	5.0
02/25/15	03:00:00	1654.2	5.0
02/25/15	04:00:00	1654.2	4.9
02/25/15	05:00:00	1654.1	4.9
02/25/15	06:00:00	1654.1	4.9
02/25/15	07:00:00	1654.1	4.9
02/25/15	08:00:00	1654.2	4.9
02/25/15	09:00:00	1654.3	4.9
02/25/15	10:00:00	1654.5	4.8
02/25/15	11:00:00	1650.5	3.4
02/25/15	12:00:00	1649.8	3.4
02/25/15	13:00:00	1648.7	2.7
02/25/15	14:00:00	1640.9	0.0
02/25/15	15:00:00	1638.3	0.0
02/25/15	16:00:00	1636.9	0.0
02/25/15	17:00:00	1636.0	0.1
02/25/15	18:00:00	1639.9	2.4
02/25/15	19:00:00	1646.3	4.3
02/25/15	20:00:00	1652.9	5.6
02/25/15	21:00:00	1654.7	5.5
02/25/15	22:00:00	1655.3	5.4
02/25/15	23:00:00	1656.0	5.3
02/26/15	00:00:00	1656.6	5.4
02/26/15	01:00:00	1657.4	5.5
02/26/15	02:00:00	1657.8	5.6
02/26/15	03:00:00	1658.0	5.5
02/26/15	04:00:00	1658.4	5.5
02/26/15	05:00:00	1658.5	5.6
02/26/15	06:00:00	1658.8	5.7
02/26/15	07:00:00	1659.0	5.6
02/26/15	08:00:00	1659.2	5.6
02/26/15	09:00:00	1659.2	5.5
02/26/15	10:00:00	1659.2	5.3
02/26/15	11:00:00	1659.3	5.2
02/26/15	12:00:00	1660.4	5.5
02/26/15	13:00:00	1657.6	4.2
02/26/15	14:00:00	1660.0	5.1
02/26/15	15:00:00	1647.7	0.0
02/26/15	16:00:00	1644.1	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/26/15	17:00:00	1642.4	0.0
02/26/15	18:00:00	1645.7	2.5
02/26/15	19:00:00	1655.3	5.4
02/26/15	20:00:00	1657.7	5.5
02/26/15	21:00:00	1659.0	5.5
02/26/15	22:00:00	1659.8	5.5
02/26/15	23:00:00	1660.6	5.5
02/27/15	00:00:00	1661.0	5.5
02/27/15	01:00:00	1661.5	5.5
02/27/15	02:00:00	1661.9	5.5
02/27/15	03:00:00	1662.4	5.6
02/27/15	04:00:00	1662.7	5.6
02/27/15	05:00:00	1662.9	5.6
02/27/15	06:00:00	1662.7	5.5
02/27/15	07:00:00	1661.2	4.8
02/27/15	08:00:00	1660.3	4.6
02/27/15	09:00:00	1662.3	5.4
02/27/15	10:00:00	1662.9	5.4
02/27/15	11:00:00	1663.3	5.4
02/27/15	12:00:00	1663.7	5.4
02/27/15	13:00:00	1664.1	5.4
02/27/15	14:00:00	1664.5	5.4
02/27/15	15:00:00	1665.1	5.5
02/27/15	16:00:00	1665.3	5.5
02/27/15	17:00:00	1665.8	5.6
02/27/15	18:00:00	1665.7	5.5
02/27/15	19:00:00	1665.8	5.6
02/27/15	20:00:00	1666.6	5.8
02/27/15	21:00:00	1666.9	5.8
02/27/15	22:00:00	1667.0	5.8
02/27/15	23:00:00	1667.2	5.8
02/28/15	00:00:00	1667.2	5.8
02/28/15	01:00:00	1667.3	5.7
02/28/15	02:00:00	1667.4	5.7
02/28/15	03:00:00	1665.2	4.9
02/28/15	04:00:00	1667.3	5.7
02/28/15	05:00:00	1667.4	5.7
02/28/15	06:00:00	1667.6	5.7
02/28/15	07:00:00	1667.8	5.7
02/28/15	08:00:00	1667.9	5.7
02/28/15	09:00:00	1668.0	5.6
02/28/15	10:00:00	1667.8	5.5
02/28/15	11:00:00	1668.0	5.5
02/28/15	12:00:00	1669.3	5.8
02/28/15	13:00:00	1669.9	6.0
02/28/15	14:00:00	1670.4	6.1
02/28/15	15:00:00	1671.2	6.1
02/28/15	16:00:00	1671.3	6.1
02/28/15	17:00:00	1671.5	6.2
02/28/15	18:00:00	1671.8	6.2
02/28/15	19:00:00	1672.1	6.2
02/28/15	20:00:00	1672.0	6.2
02/28/15	21:00:00	1672.1	6.2
02/28/15	22:00:00	1672.0	6.1
02/28/15	23:00:00	1672.0	6.0
03/01/15	00:00:00	1670.5	5.6

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/01/15	01:00:00	1671.8	6.1
03/01/15	02:00:00	1667.6	4.4
03/01/15	03:00:00	1665.7	4.1
03/01/15	04:00:00	1665.0	4.1
03/01/15	05:00:00	1664.7	4.1
03/01/15	06:00:00	1664.2	4.0
03/01/15	07:00:00	1664.1	4.1
03/01/15	08:00:00	1663.9	4.1
03/01/15	09:00:00	1667.5	5.5
03/01/15	10:00:00	1669.4	5.7
03/01/15	11:00:00	1669.8	5.6
03/01/15	12:00:00	1670.1	5.5
03/01/15	13:00:00	1670.9	5.7
03/01/15	14:00:00	1671.6	5.8
03/01/15	15:00:00	1672.1	5.8
03/01/15	16:00:00	1672.4	5.8
03/01/15	17:00:00	1672.8	5.8
03/01/15	18:00:00	1673.2	5.9
03/01/15	19:00:00	1673.7	6.0
03/01/15	20:00:00	1673.9	6.0
03/01/15	21:00:00	1674.1	6.0
03/01/15	22:00:00	1674.3	6.0
03/01/15	23:00:00	1674.5	6.1
03/02/15	00:00:00	1674.7	6.1
03/02/15	01:00:00	1675.0	6.2
03/02/15	02:00:00	1675.0	6.1
03/02/15	03:00:00	1675.2	6.1
03/02/15	04:00:00	1675.4	6.2
03/02/15	05:00:00	1675.6	6.1
03/02/15	06:00:00	1675.7	6.1
03/02/15	07:00:00	1675.9	6.1
03/02/15	08:00:00	1676.0	6.1
03/02/15	09:00:00	1676.2	6.0
03/02/15	10:00:00	1676.2	5.9
03/02/15	11:00:00	1676.5	6.0
03/02/15	12:00:00	1677.1	6.0
03/02/15	13:00:00	1677.3	6.0
03/02/15	14:00:00	1676.2	5.3
03/02/15	15:00:00	1671.3	3.7
03/02/15	16:00:00	1670.8	4.0
03/02/15	17:00:00	1676.1	5.9
03/02/15	18:00:00	1676.7	5.9
03/02/15	19:00:00	1677.0	6.0
03/02/15	20:00:00	1677.3	6.0
03/02/15	21:00:00	1677.6	6.0
03/02/15	22:00:00	1677.6	6.0
03/02/15	23:00:00	1677.7	6.0
03/03/15	00:00:00	1677.9	6.1
03/03/15	01:00:00	1678.1	6.1
03/03/15	02:00:00	1678.3	6.2
03/03/15	03:00:00	1678.1	6.1
03/03/15	04:00:00	1678.1	6.1
03/03/15	05:00:00	1678.1	6.0
03/03/15	06:00:00	1677.9	5.9
03/03/15	07:00:00	1676.7	5.6

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/03/15	08:00:00	1670.8	2.2
03/03/15	09:00:00	1663.8	0.0
03/03/15	10:00:00	1661.9	0.0
03/03/15	11:00:00	1660.6	0.0
03/03/15	12:00:00	1659.6	0.0
03/03/15	13:00:00	1659.0	0.0
03/03/15	14:00:00	1658.3	0.0
03/03/15	15:00:00	1657.7	0.1
03/03/15	16:00:00	1657.0	0.1
03/03/15	17:00:00	1657.9	0.9
03/03/15	18:00:00	1664.2	3.8
03/03/15	19:00:00	1668.2	5.0
03/03/15	20:00:00	1671.6	5.7
03/03/15	21:00:00	1672.7	5.8
03/03/15	22:00:00	1673.5	5.8
03/03/15	23:00:00	1674.1	5.8
03/04/15	00:00:00	1674.6	5.8
03/04/15	01:00:00	1675.3	6.0
03/04/15	02:00:00	1675.6	5.9
03/04/15	03:00:00	1674.6	5.4
03/04/15	04:00:00	1676.2	6.1
03/04/15	05:00:00	1676.6	6.1
03/04/15	06:00:00	1676.9	6.0
03/04/15	07:00:00	1677.0	6.0
03/04/15	08:00:00	1677.3	6.0
03/04/15	09:00:00	1677.4	6.0
03/04/15	10:00:00	1677.7	5.9
03/04/15	11:00:00	1678.0	5.8
03/04/15	12:00:00	1678.5	5.8
03/04/15	13:00:00	1678.9	5.8
03/04/15	14:00:00	1679.5	5.8
03/04/15	15:00:00	1680.1	5.8
03/04/15	16:00:00	1680.4	5.9
03/04/15	17:00:00	1680.9	5.9
03/04/15	18:00:00	1681.4	6.1
03/04/15	19:00:00	1681.8	6.2
03/04/15	20:00:00	1681.8	6.0
03/04/15	21:00:00	1682.1	6.1
03/04/15	22:00:00	1682.1	6.1
03/04/15	23:00:00	1682.1	6.0
03/05/15	00:00:00	1681.9	5.9
03/05/15	01:00:00	1682.0	6.0
03/05/15	02:00:00	1682.1	6.0
03/05/15	03:00:00	1682.1	6.0
03/05/15	04:00:00	1682.3	6.1
03/05/15	05:00:00	1682.3	6.1
03/05/15	06:00:00	1682.2	6.1
03/05/15	07:00:00	1682.2	6.1
03/05/15	08:00:00	1682.3	6.0
03/05/15	09:00:00	1682.4	5.9
03/05/15	10:00:00	1682.9	6.0
03/05/15	11:00:00	1683.1	6.0
03/05/15	12:00:00	1683.5	5.9
03/05/15	13:00:00	1683.7	5.8
03/05/15	14:00:00	1682.9	5.3
03/05/15	15:00:00	1684.7	5.9

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/05/15	16:00:00	1685.2	6.0
03/05/15	17:00:00	1685.7	6.1
03/05/15	18:00:00	1686.2	6.2
03/05/15	19:00:00	1686.6	6.2
03/05/15	20:00:00	1686.5	6.1
03/05/15	21:00:00	1686.4	6.0
03/05/15	22:00:00	1686.5	6.0
03/05/15	23:00:00	1686.5	6.1
03/06/15	00:00:00	1686.5	6.0
03/06/15	01:00:00	1686.4	6.0
03/06/15	02:00:00	1686.5	6.0
03/06/15	03:00:00	1686.6	6.1
03/06/15	04:00:00	1686.6	6.1
03/06/15	05:00:00	1686.7	6.1
03/06/15	06:00:00	1686.5	6.1
03/06/15	07:00:00	1686.5	6.1
03/06/15	08:00:00	1686.5	6.0
03/06/15	09:00:00	1686.1	5.8
03/06/15	10:00:00	1686.6	5.9
03/06/15	11:00:00	1687.1	6.0
03/06/15	12:00:00	1685.1	5.1
03/06/15	13:00:00	1687.5	5.8
03/06/15	14:00:00	1688.0	5.8
03/06/15	15:00:00	1688.5	5.8
03/06/15	16:00:00	1688.9	5.9
03/06/15	17:00:00	1689.4	5.9
03/06/15	18:00:00	1689.7	6.0
03/06/15	19:00:00	1690.1	6.1
03/06/15	20:00:00	1690.3	6.1
03/06/15	21:00:00	1690.4	6.1
03/06/15	22:00:00	1690.5	6.1
03/06/15	23:00:00	1690.4	6.0
03/07/15	00:00:00	1690.3	6.0
03/07/15	01:00:00	1690.4	6.1
03/07/15	02:00:00	1690.3	6.0
03/07/15	03:00:00	1690.3	6.1
03/07/15	04:00:00	1690.4	6.1
03/07/15	05:00:00	1690.3	6.1
03/07/15	06:00:00	1690.1	6.0
03/07/15	07:00:00	1690.0	6.0
03/07/15	08:00:00	1690.3	6.0
03/07/15	09:00:00	1690.3	5.9
03/07/15	10:00:00	1690.5	5.8
03/07/15	11:00:00	1690.7	5.8
03/07/15	12:00:00	1691.4	6.0
03/07/15	13:00:00	1692.0	6.0
03/07/15	14:00:00	1692.4	6.0
03/07/15	15:00:00	1692.8	5.9
03/07/15	16:00:00	1693.0	6.0
03/07/15	17:00:00	1693.3	6.0
03/07/15	18:00:00	1693.3	6.0
03/07/15	19:00:00	1693.7	6.1
03/07/15	20:00:00	1693.7	6.0
03/07/15	21:00:00	1693.8	6.0
03/07/15	22:00:00	1693.9	6.1
03/07/15	23:00:00	1693.8	6.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/08/15	00:00:00	1693.8	6.0
03/08/15	01:00:00	1693.8	6.0
03/08/15	02:00:00	(1)	(1)
03/08/15	03:00:00	1693.9	6.0
03/08/15	04:00:00	1693.7	6.0
03/08/15	05:00:00	1693.6	5.9
03/08/15	06:00:00	1693.6	6.0
03/08/15	07:00:00	1693.5	6.0
03/08/15	08:00:00	1693.5	6.1
03/08/15	09:00:00	1693.6	6.0
03/08/15	10:00:00	1693.5	5.9
03/08/15	11:00:00	1693.4	5.7
03/08/15	12:00:00	1693.9	5.8
03/08/15	13:00:00	1694.3	5.9
03/08/15	14:00:00	1694.8	5.8
03/08/15	15:00:00	1695.2	5.7
03/08/15	16:00:00	1695.8	5.9
03/08/15	17:00:00	1696.1	5.9
03/08/15	18:00:00	1696.5	6.0
03/08/15	19:00:00	1696.8	6.1
03/08/15	20:00:00	1696.8	6.0
03/08/15	21:00:00	1697.0	6.0
03/08/15	22:00:00	1697.2	6.1
03/08/15	23:00:00	1697.2	6.0
03/09/15	00:00:00	1697.2	6.0
03/09/15	01:00:00	1697.1	6.0
03/09/15	02:00:00	1697.0	5.9
03/09/15	03:00:00	1697.0	6.0
03/09/15	04:00:00	1697.1	6.0
03/09/15	05:00:00	1697.2	6.1
03/09/15	06:00:00	1697.1	6.1
03/09/15	07:00:00	1697.1	6.1
03/09/15	08:00:00	1697.1	6.0
03/09/15	09:00:00	1697.3	6.1
03/09/15	10:00:00	1697.3	5.9
03/09/15	11:00:00	1697.3	5.8
03/09/15	12:00:00	1697.5	5.8
03/09/15	13:00:00	1697.7	5.7
03/09/15	14:00:00	1698.1	5.7
03/09/15	15:00:00	1698.6	5.8
03/09/15	16:00:00	1699.1	5.9
03/09/15	17:00:00	1699.3	5.8
03/09/15	18:00:00	1699.8	5.9
03/09/15	19:00:00	1700.0	6.0
03/09/15	20:00:00	1699.9	5.9
03/09/15	21:00:00	1700.1	5.9
03/09/15	22:00:00	1700.5	6.1
03/09/15	23:00:00	1700.6	6.1
03/10/15	00:00:00	1700.6	6.1
03/10/15	01:00:00	1700.6	6.1
03/10/15	02:00:00	1700.6	6.1
03/10/15	03:00:00	1699.7	5.7
03/10/15	04:00:00	1699.3	5.7
03/10/15	05:00:00	1698.9	5.5
03/10/15	06:00:00	1698.9	5.5

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/10/15	07:00:00	1698.5	5.4
03/10/15	08:00:00	1698.0	5.0
03/10/15	09:00:00	1694.6	4.0
03/10/15	10:00:00	1698.8	5.8
03/10/15	11:00:00	1699.9	6.0
03/10/15	12:00:00	1699.3	5.5
03/10/15	13:00:00	1700.3	5.8
03/10/15	14:00:00	1700.9	5.8
03/10/15	15:00:00	1701.1	5.7
03/10/15	16:00:00	1702.2	6.1
03/10/15	17:00:00	1702.2	5.9
03/10/15	18:00:00	1702.3	5.8
03/10/15	19:00:00	1705.1	6.8
03/10/15	20:00:00	1708.2	7.7
03/10/15	21:00:00	1703.7	5.9
03/10/15	22:00:00	1701.5	5.0
03/10/15	23:00:00	1698.6	3.9
03/11/15	00:00:00	1700.4	5.1
03/11/15	01:00:00	1706.7	7.4
03/11/15	02:00:00	1703.5	5.9
03/11/15	03:00:00	1702.8	5.7
03/11/15	04:00:00	1704.9	6.5
03/11/15	05:00:00	1706.3	6.8
03/11/15	06:00:00	1703.3	5.7
03/11/15	07:00:00	1703.1	5.7
03/11/15	08:00:00	1701.2	4.8
03/11/15	09:00:00	1703.0	5.8
03/11/15	10:00:00	1703.8	6.0
03/11/15	11:00:00	1706.9	7.0
03/11/15	12:00:00	1708.4	7.2
03/11/15	13:00:00	1705.5	6.1
03/11/15	14:00:00	1705.6	6.1
03/11/15	15:00:00	1710.9	7.9
03/11/15	16:00:00	1708.2	6.6
03/11/15	17:00:00	1706.7	6.1
03/11/15	18:00:00	1707.0	6.2
03/11/15	19:00:00	1707.4	6.3
03/11/15	20:00:00	1707.5	6.4
03/11/15	21:00:00	1707.6	6.4
03/11/15	22:00:00	1707.3	6.3
03/11/15	23:00:00	1706.9	6.1
03/12/15	00:00:00	1707.0	6.2
03/12/15	01:00:00	1707.3	6.3
03/12/15	02:00:00	1707.6	6.4
03/12/15	03:00:00	1707.7	6.4
03/12/15	04:00:00	1707.7	6.4
03/12/15	05:00:00	1707.7	6.4
03/12/15	06:00:00	1707.7	6.4
03/12/15	07:00:00	1707.7	6.4
03/12/15	08:00:00	1707.9	6.5
03/12/15	09:00:00	1708.0	6.4
03/12/15	10:00:00	1707.9	6.2
03/12/15	11:00:00	1708.0	6.1
03/12/15	12:00:00	1708.4	6.2
03/12/15	13:00:00	1708.8	6.2
03/12/15	14:00:00	1709.1	6.2

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/12/15	15:00:00	1709.6	6.2
03/12/15	16:00:00	1709.9	6.2
03/12/15	17:00:00	1710.2	6.2
03/12/15	18:00:00	1710.4	6.2
03/12/15	19:00:00	1710.6	6.3
03/12/15	20:00:00	1710.8	6.3
03/12/15	21:00:00	1710.9	6.3
03/12/15	22:00:00	1711.0	6.3
03/12/15	23:00:00	1714.5	7.5
03/13/15	00:00:00	1716.3	8.0
03/13/15	01:00:00	1716.3	7.7
03/13/15	02:00:00	1710.2	5.5
03/13/15	03:00:00	1703.4	2.7
03/13/15	04:00:00	1714.1	7.6
03/13/15	05:00:00	1712.1	6.5
03/13/15	06:00:00	1710.2	5.9
03/13/15	07:00:00	1710.2	6.0
03/13/15	08:00:00	1710.2	6.0
03/13/15	09:00:00	1710.2	5.9
03/13/15	10:00:00	1710.1	5.8
03/13/15	11:00:00	1711.2	6.1
03/13/15	12:00:00	1715.2	7.4
03/13/15	13:00:00	1713.3	6.6
03/13/15	14:00:00	1716.9	7.6
03/13/15	15:00:00	1717.4	7.4
03/13/15	16:00:00	1718.9	7.7
03/13/15	17:00:00	1719.4	7.8
03/13/15	18:00:00	1719.9	7.8
03/13/15	19:00:00	1719.2	7.5
03/13/15	20:00:00	1720.9	8.0
03/13/15	21:00:00	1721.1	7.9
03/13/15	22:00:00	1720.7	7.8
03/13/15	23:00:00	1718.0	6.7
03/14/15	00:00:00	1717.6	6.7
03/14/15	01:00:00	1721.1	7.9
03/14/15	02:00:00	1720.8	7.7
03/14/15	03:00:00	1720.8	7.7
03/14/15	04:00:00	1721.5	7.9
03/14/15	05:00:00	1721.1	7.8
03/14/15	06:00:00	1721.4	7.8
03/14/15	07:00:00	1722.1	8.0
03/14/15	08:00:00	1722.1	8.0
03/14/15	09:00:00	1722.1	7.9
03/14/15	10:00:00	1721.8	7.7
03/14/15	11:00:00	1722.3	7.7
03/14/15	12:00:00	1722.4	7.6
03/14/15	13:00:00	1723.0	7.7
03/14/15	14:00:00	1724.1	7.8
03/14/15	15:00:00	1715.8	4.2
03/14/15	16:00:00	1713.0	3.4
03/14/15	17:00:00	1712.1	3.4
03/14/15	18:00:00	1711.7	3.6
03/14/15	19:00:00	1714.0	4.9
03/14/15	20:00:00	1716.0	5.6
03/14/15	21:00:00	1716.3	5.7
03/14/15	22:00:00	1716.6	5.8

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/14/15	23:00:00	1716.0	5.5
03/15/15	00:00:00	1716.9	6.1
03/15/15	01:00:00	1716.1	5.6
03/15/15	02:00:00	1716.7	6.0
03/15/15	03:00:00	1716.8	6.0
03/15/15	04:00:00	1716.7	6.0
03/15/15	05:00:00	1716.7	5.9
03/15/15	06:00:00	1716.7	6.0
03/15/15	07:00:00	1716.8	6.0
03/15/15	08:00:00	1716.8	6.0
03/15/15	09:00:00	1715.5	5.4
03/15/15	10:00:00	1713.9	4.8
03/15/15	11:00:00	1717.1	6.1
03/15/15	12:00:00	1712.4	3.9
03/15/15	13:00:00	1708.8	2.1
03/15/15	14:00:00	1708.3	2.3
03/15/15	15:00:00	1714.3	5.5
03/15/15	16:00:00	1713.3	4.9
03/15/15	17:00:00	1716.1	5.9
03/15/15	18:00:00	1716.5	5.9
03/15/15	19:00:00	1716.8	6.0
03/15/15	20:00:00	1717.1	6.1
03/15/15	21:00:00	1717.2	6.1
03/15/15	22:00:00	1717.3	6.1
03/15/15	23:00:00	1717.4	6.2
03/16/15	00:00:00	1717.5	6.2
03/16/15	01:00:00	1717.4	6.1
03/16/15	02:00:00	1714.2	4.6
03/16/15	03:00:00	1715.0	5.3
03/16/15	04:00:00	1716.9	6.1
03/16/15	05:00:00	1717.1	6.1
03/16/15	06:00:00	1717.2	6.1
03/16/15	07:00:00	1717.2	6.1
03/16/15	08:00:00	1717.3	6.1
03/16/15	09:00:00	1717.3	6.1
03/16/15	10:00:00	1717.5	6.1
03/16/15	11:00:00	1717.7	6.1
03/16/15	12:00:00	1717.9	6.1
03/16/15	13:00:00	1718.0	6.0
03/16/15	14:00:00	1717.4	5.5
03/16/15	15:00:00	1724.1	7.9
03/16/15	16:00:00	1720.6	5.9
03/16/15	17:00:00	1725.3	8.1
03/16/15	18:00:00	1726.0	8.1
03/16/15	19:00:00	1726.6	8.1
03/16/15	20:00:00	1726.6	7.9
03/16/15	21:00:00	1727.2	8.1
03/16/15	22:00:00	1727.6	8.2
03/16/15	23:00:00	1727.8	8.2
03/17/15	00:00:00	1727.9	8.2
03/17/15	01:00:00	1728.2	8.2
03/17/15	02:00:00	1728.5	8.2
03/17/15	03:00:00	1728.3	8.1
03/17/15	04:00:00	1728.5	8.1
03/17/15	05:00:00	1728.7	8.1
03/17/15	06:00:00	1728.8	8.1

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/17/15	07:00:00	1728.9	8.1
03/17/15	08:00:00	1729.0	8.2
03/17/15	09:00:00	1729.3	8.1
03/17/15	10:00:00	1729.4	8.0
03/17/15	11:00:00	1729.7	8.0
03/17/15	12:00:00	1730.0	8.0
03/17/15	13:00:00	1730.5	8.0
03/17/15	14:00:00	1731.3	8.1
03/17/15	15:00:00	1731.8	8.1
03/17/15	16:00:00	1732.1	8.1
03/17/15	17:00:00	1732.3	8.0
03/17/15	18:00:00	1732.6	8.0
03/17/15	19:00:00	1732.9	8.0
03/17/15	20:00:00	1733.2	8.2
03/17/15	21:00:00	1733.2	8.1
03/17/15	22:00:00	1732.9	8.0
03/17/15	23:00:00	1733.2	8.1
03/18/15	00:00:00	1733.3	8.1
03/18/15	01:00:00	1733.4	8.2
03/18/15	02:00:00	1732.8	8.0
03/18/15	03:00:00	1732.2	7.8
03/18/15	04:00:00	1732.9	8.2
03/18/15	05:00:00	1733.0	8.2
03/18/15	06:00:00	1732.8	8.1
03/18/15	07:00:00	1727.6	6.2
03/18/15	08:00:00	1726.9	6.1
03/18/15	09:00:00	1725.0	5.2
03/18/15	10:00:00	1722.6	4.2
03/18/15	11:00:00	1726.3	6.1
03/18/15	12:00:00	1726.6	6.1
03/18/15	13:00:00	1726.8	6.0
03/18/15	14:00:00	1727.3	6.1
03/18/15	15:00:00	1727.7	6.2
03/18/15	16:00:00	1728.1	6.2
03/18/15	17:00:00	1728.3	6.2
03/18/15	18:00:00	1728.4	6.2
03/18/15	19:00:00	1727.8	6.0
03/18/15	20:00:00	1728.1	6.2
03/18/15	21:00:00	1728.3	6.3
03/18/15	22:00:00	1728.4	6.4
03/18/15	23:00:00	1728.4	6.4
03/19/15	00:00:00	1728.4	6.4
03/19/15	01:00:00	1728.3	6.3
03/19/15	02:00:00	1728.2	6.4
03/19/15	03:00:00	1728.2	6.4
03/19/15	04:00:00	1728.2	6.4
03/19/15	05:00:00	1728.1	6.5
03/19/15	06:00:00	1728.0	6.5
03/19/15	07:00:00	1727.2	6.2
03/19/15	08:00:00	1726.4	5.7
03/19/15	09:00:00	1719.4	2.2
03/19/15	10:00:00	1719.8	3.0
03/19/15	11:00:00	1723.4	5.1
03/19/15	12:00:00	1726.2	6.1
03/19/15	13:00:00	1726.8	6.1
03/19/15	14:00:00	1727.6	6.3

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/19/15	15:00:00	1728.1	6.2
03/19/15	16:00:00	1727.6	5.8
03/19/15	17:00:00	1723.1	3.8
03/19/15	18:00:00	1726.2	5.3
03/19/15	19:00:00	1728.4	6.2
03/19/15	20:00:00	1728.6	6.2
03/19/15	21:00:00	1728.9	6.2
03/19/15	22:00:00	1729.1	6.3
03/19/15	23:00:00	1729.2	6.2
03/20/15	00:00:00	1729.1	6.3
03/20/15	01:00:00	1727.8	5.6
03/20/15	02:00:00	1724.3	4.2
03/20/15	03:00:00	1728.6	6.4
03/20/15	04:00:00	1728.8	6.4
03/20/15	05:00:00	1728.8	6.4
03/20/15	06:00:00	1728.9	6.4
03/20/15	07:00:00	1728.9	6.4
03/20/15	08:00:00	1729.1	6.5
03/20/15	09:00:00	1729.4	6.5
03/20/15	10:00:00	1729.0	6.1
03/20/15	11:00:00	1728.5	5.8
03/20/15	12:00:00	1726.7	5.0
03/20/15	13:00:00	1729.6	6.1
03/20/15	14:00:00	1729.9	6.2
03/20/15	15:00:00	1730.5	6.3
03/20/15	16:00:00	1730.9	6.3
03/20/15	17:00:00	1731.3	6.4
03/20/15	18:00:00	1731.5	6.4
03/20/15	19:00:00	1731.7	6.4
03/20/15	20:00:00	1731.7	6.4
03/20/15	21:00:00	1731.7	6.4
03/20/15	22:00:00	1731.7	6.4
03/20/15	23:00:00	1731.8	6.4
03/21/15	00:00:00	1731.8	6.5
03/21/15	01:00:00	1731.8	6.4
03/21/15	02:00:00	1731.8	6.4
03/21/15	03:00:00	1731.8	6.4
03/21/15	04:00:00	1731.9	6.4
03/21/15	05:00:00	1731.8	6.4
03/21/15	06:00:00	1731.9	6.4
03/21/15	07:00:00	1732.0	6.4
03/21/15	08:00:00	1731.9	6.4
03/21/15	09:00:00	1731.5	6.1
03/21/15	10:00:00	1731.7	6.2
03/21/15	11:00:00	1732.2	6.3
03/21/15	12:00:00	1732.6	6.4
03/21/15	13:00:00	1732.8	6.3
03/21/15	14:00:00	1733.1	6.2
03/21/15	15:00:00	1733.6	6.3
03/21/15	16:00:00	1733.7	6.3
03/21/15	17:00:00	1733.0	5.9
03/21/15	18:00:00	1734.1	6.3
03/21/15	19:00:00	1734.4	6.4
03/21/15	20:00:00	1734.4	6.4
03/21/15	21:00:00	1734.6	6.4
03/21/15	22:00:00	1734.7	6.4

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/21/15	23:00:00	1734.6	6.4
03/22/15	00:00:00	1734.7	6.5
03/22/15	01:00:00	1734.7	6.4
03/22/15	02:00:00	1734.7	6.4
03/22/15	03:00:00	1734.7	6.5
03/22/15	04:00:00	1734.7	6.5
03/22/15	05:00:00	1734.7	6.5
03/22/15	06:00:00	1734.6	6.4
03/22/15	07:00:00	1734.5	6.4
03/22/15	08:00:00	1734.7	6.4
03/22/15	09:00:00	1734.8	6.4
03/22/15	10:00:00	1735.1	6.4
03/22/15	11:00:00	1735.2	6.5
03/22/15	12:00:00	1735.2	6.4
03/22/15	13:00:00	1735.6	6.4
03/22/15	14:00:00	1735.7	6.3
03/22/15	15:00:00	1735.5	6.0
03/22/15	16:00:00	1736.1	6.3
03/22/15	17:00:00	1736.4	6.4
03/22/15	18:00:00	1736.6	6.4
03/22/15	19:00:00	1736.8	6.5
03/22/15	20:00:00	1736.7	6.4
03/22/15	21:00:00	1736.7	6.4
03/22/15	22:00:00	1736.7	6.4
03/22/15	23:00:00	1736.8	6.4
03/23/15	00:00:00	1736.7	6.4
03/23/15	01:00:00	1736.7	6.5
03/23/15	02:00:00	1736.5	6.4
03/23/15	03:00:00	1736.5	6.3
03/23/15	04:00:00	1736.8	6.5
03/23/15	05:00:00	1736.8	6.4
03/23/15	06:00:00	1736.5	6.4
03/23/15	07:00:00	1736.4	6.3
03/23/15	08:00:00	1735.5	5.9
03/23/15	09:00:00	1736.7	6.4
03/23/15	10:00:00	1737.0	6.5
03/23/15	11:00:00	1737.2	6.5
03/23/15	12:00:00	1737.5	6.5
03/23/15	13:00:00	1737.6	6.4
03/23/15	14:00:00	1737.9	6.5
03/23/15	15:00:00	1738.1	6.4
03/23/15	16:00:00	1738.4	6.4
03/23/15	17:00:00	1738.6	6.5
03/23/15	18:00:00	1738.9	6.5
03/23/15	19:00:00	1739.0	6.5
03/23/15	20:00:00	1739.0	6.6
03/23/15	21:00:00	1738.9	6.5
03/23/15	22:00:00	1738.8	6.5
03/23/15	23:00:00	1738.9	6.5
03/24/15	00:00:00	1738.9	6.5
03/24/15	01:00:00	1738.9	6.5
03/24/15	02:00:00	1738.7	6.5
03/24/15	03:00:00	1738.7	6.4
03/24/15	04:00:00	1738.7	6.5
03/24/15	05:00:00	1738.8	6.4
03/24/15	06:00:00	1738.6	6.4

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/24/15	07:00:00	1738.6	6.4
03/24/15	08:00:00	1738.7	6.4
03/24/15	09:00:00	1738.9	6.4
03/24/15	10:00:00	1739.1	6.4
03/24/15	11:00:00	1739.4	6.4
03/24/15	12:00:00	1739.5	6.3
03/24/15	13:00:00	1739.8	6.3
03/24/15	14:00:00	1740.0	6.3
03/24/15	15:00:00	1740.4	6.3
03/24/15	16:00:00	1740.5	6.3
03/24/15	17:00:00	1740.8	6.4
03/24/15	18:00:00	1740.9	6.4
03/24/15	19:00:00	1741.0	6.4
03/24/15	20:00:00	1738.3	5.0
03/24/15	21:00:00	1740.8	6.4
03/24/15	22:00:00	1741.0	6.4
03/24/15	23:00:00	1741.1	6.5
03/25/15	00:00:00	1741.0	6.4
03/25/15	01:00:00	1741.0	6.4
03/25/15	02:00:00	1740.9	6.4
03/25/15	03:00:00	1741.0	6.4
03/25/15	04:00:00	1741.0	6.4
03/25/15	05:00:00	1741.0	6.4
03/25/15	06:00:00	1740.5	6.2
03/25/15	07:00:00	1739.9	6.0
03/25/15	08:00:00	1740.4	6.3
03/25/15	09:00:00	1740.1	6.0
03/25/15	10:00:00	1740.2	5.8
03/25/15	11:00:00	1730.5	0.0
03/25/15	12:00:00	1729.0	0.0
03/25/15	13:00:00	1728.1	0.0
03/25/15	14:00:00	1727.4	0.0
03/25/15	15:00:00	1726.8	0.0
03/25/15	16:00:00	1726.2	0.0
03/25/15	17:00:00	1726.2	0.6
03/25/15	18:00:00	1728.5	2.4
03/25/15	19:00:00	1727.6	1.9
03/25/15	20:00:00	1727.2	1.7
03/25/15	21:00:00	1734.2	5.4
03/25/15	22:00:00	1745.6	9.4
03/25/15	23:00:00	1747.0	9.5
03/26/15	00:00:00	1748.4	9.6
03/26/15	01:00:00	1749.2	9.6
03/26/15	02:00:00	1746.8	8.6
03/26/15	03:00:00	1749.9	9.5
03/26/15	04:00:00	1751.8	9.9
03/26/15	05:00:00	1752.8	10.1
03/26/15	06:00:00	1753.1	10.0
03/26/15	07:00:00	1752.8	9.8
03/26/15	08:00:00	1753.5	9.9
03/26/15	09:00:00	1753.8	9.8
03/26/15	10:00:00	1752.0	8.9
03/26/15	11:00:00	1747.0	6.9
03/26/15	12:00:00	1754.5	9.5
03/26/15	13:00:00	1755.6	9.4
03/26/15	14:00:00	1751.5	7.8

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/26/15	15:00:00	1753.6	8.4
03/26/15	16:00:00	1757.4	9.4
03/26/15	17:00:00	1758.6	9.5
03/26/15	18:00:00	1759.3	9.6
03/26/15	19:00:00	1760.2	9.6
03/26/15	20:00:00	1760.5	9.6
03/26/15	21:00:00	1760.8	9.6
03/26/15	22:00:00	1761.3	9.7
03/26/15	23:00:00	1761.7	9.8
03/27/15	00:00:00	1762.1	9.9
03/27/15	01:00:00	1762.1	9.9
03/27/15	02:00:00	1762.3	9.9
03/27/15	03:00:00	1762.3	9.9
03/27/15	04:00:00	1762.1	9.9
03/27/15	05:00:00	1762.2	9.9
03/27/15	06:00:00	1762.3	9.9
03/27/15	07:00:00	1762.4	10.0
03/27/15	08:00:00	1762.8	10.1
03/27/15	09:00:00	1762.9	10.0
03/27/15	10:00:00	1763.4	9.9
03/27/15	11:00:00	1763.7	9.8
03/27/15	12:00:00	1764.4	9.8
03/27/15	13:00:00	1764.8	9.7
03/27/15	14:00:00	1764.8	9.5
03/27/15	15:00:00	1765.3	9.4
03/27/15	16:00:00	1765.9	9.5
03/27/15	17:00:00	1766.8	9.7
03/27/15	18:00:00	1767.6	9.8
03/27/15	19:00:00	1768.2	9.8
03/27/15	20:00:00	1768.2	9.9
03/27/15	21:00:00	1768.3	9.9
03/27/15	22:00:00	1768.3	9.9
03/27/15	23:00:00	1768.5	10.0
03/28/15	00:00:00	1768.5	10.0
03/28/15	01:00:00	1768.7	10.1
03/28/15	02:00:00	1768.5	10.0
03/28/15	03:00:00	1768.7	10.1
03/28/15	04:00:00	1768.7	10.1
03/28/15	05:00:00	1768.8	10.1
03/28/15	06:00:00	1768.8	10.1
03/28/15	07:00:00	1768.8	10.1
03/28/15	08:00:00	1769.3	10.3
03/28/15	09:00:00	1768.8	10.1
03/28/15	10:00:00	1768.7	9.9
03/28/15	11:00:00	1768.6	9.8
03/28/15	12:00:00	1769.6	10.0
03/28/15	13:00:00	1769.9	9.8
03/28/15	14:00:00	1770.2	9.7
03/28/15	15:00:00	1770.7	9.7
03/28/15	16:00:00	1771.3	9.7
03/28/15	17:00:00	1772.1	9.8
03/28/15	18:00:00	1772.6	9.8
03/28/15	19:00:00	1773.3	9.9
03/28/15	20:00:00	1773.4	10.0
03/28/15	21:00:00	1771.8	9.0
03/28/15	22:00:00	1753.8	1.5

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/28/15	23:00:00	1762.9	7.2
03/29/15	00:00:00	1765.0	8.0
03/29/15	01:00:00	1765.0	8.0
03/29/15	02:00:00	1765.3	8.2
03/29/15	03:00:00	1765.3	8.3
03/29/15	04:00:00	1765.2	8.3
03/29/15	05:00:00	1765.1	8.3
03/29/15	06:00:00	1764.7	8.3
03/29/15	07:00:00	1764.6	8.3
03/29/15	08:00:00	1764.7	8.4
03/29/15	09:00:00	1764.3	8.2
03/29/15	10:00:00	1764.3	8.0
03/29/15	11:00:00	1764.6	7.9
03/29/15	12:00:00	1765.0	7.9
03/29/15	13:00:00	1765.4	7.9
03/29/15	14:00:00	1766.1	8.0
03/29/15	15:00:00	1766.6	8.0
03/29/15	16:00:00	1766.6	7.9
03/29/15	17:00:00	1767.0	7.9
03/29/15	18:00:00	1767.3	7.9
03/29/15	19:00:00	1767.9	8.0
03/29/15	20:00:00	1767.8	8.1
03/29/15	21:00:00	1768.1	8.2
03/29/15	22:00:00	1768.1	8.2
03/29/15	23:00:00	1768.1	8.3
03/30/15	00:00:00	1768.0	8.3
03/30/15	01:00:00	1767.7	8.2
03/30/15	02:00:00	1767.8	8.3
03/30/15	03:00:00	1767.8	8.3
03/30/15	04:00:00	1767.8	8.4
03/30/15	05:00:00	1767.3	8.2
03/30/15	06:00:00	1767.1	8.2
03/30/15	07:00:00	1767.1	8.3
03/30/15	08:00:00	1767.1	8.3
03/30/15	09:00:00	1767.0	8.1
03/30/15	10:00:00	1765.5	7.4
03/30/15	11:00:00	1772.7	9.7
03/30/15	12:00:00	1774.0	9.8
03/30/15	13:00:00	1774.8	9.8
03/30/15	14:00:00	1775.6	9.7
03/30/15	15:00:00	1776.5	9.8
03/30/15	16:00:00	1776.9	9.7
03/30/15	17:00:00	1777.3	9.7
03/30/15	18:00:00	1777.8	9.7
03/30/15	19:00:00	1778.5	9.9
03/30/15	20:00:00	1779.0	9.9
03/30/15	21:00:00	1779.1	10.0
03/30/15	22:00:00	1777.9	9.6
03/30/15	23:00:00	1772.9	8.2
03/31/15	00:00:00	1772.9	8.3
03/31/15	01:00:00	1773.0	8.5
03/31/15	02:00:00	1773.4	8.6
03/31/15	03:00:00	1773.2	8.6
03/31/15	04:00:00	1773.3	8.6
03/31/15	05:00:00	1773.1	8.6
03/31/15	06:00:00	1772.9	8.6

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/31/15	07:00:00	1772.7	8.5
03/31/15	08:00:00	1772.6	8.5
03/31/15	09:00:00	1772.7	8.5
03/31/15	10:00:00	1772.8	8.5
03/31/15	11:00:00	1772.7	8.4
03/31/15	12:00:00	1773.0	8.4
03/31/15	13:00:00	1773.2	8.3
03/31/15	14:00:00	1773.4	8.2
03/31/15	15:00:00	1773.7	8.3
03/31/15	16:00:00	1774.0	8.3
03/31/15	17:00:00	1774.3	8.3
03/31/15	18:00:00	1774.5	8.3
03/31/15	19:00:00	1774.9	8.4
03/31/15	20:00:00	1774.9	8.5
03/31/15	21:00:00	1775.0	8.5
03/31/15	22:00:00	1775.0	8.6
03/31/15	23:00:00	1775.1	8.7
04/01/15	00:00:00	1775.0	8.7
04/01/15	01:00:00	1774.9	8.7
04/01/15	02:00:00	1774.6	8.6
04/01/15	03:00:00	1774.5	8.6
04/01/15	04:00:00	1774.5	8.8
04/01/15	05:00:00	1774.4	8.7
04/01/15	06:00:00	1774.2	8.7
04/01/15	07:00:00	1774.1	8.8
04/01/15	08:00:00	1759.1	0.3
04/01/15	09:00:00	1756.8	0.0
04/01/15	10:00:00	1755.8	0.0
04/01/15	11:00:00	1754.9	0.0
04/01/15	12:00:00	1754.1	0.0
04/01/15	13:00:00	1753.4	0.0
04/01/15	14:00:00	1752.8	0.0
04/01/15	15:00:00	1752.2	0.0
04/01/15	16:00:00	1751.5	0.0
04/01/15	17:00:00	1751.0	0.0
04/01/15	18:00:00	1750.5	0.0
04/01/15	19:00:00	1750.2	0.0
04/01/15	20:00:00	1749.6	0.0
04/01/15	21:00:00	1749.3	0.0
04/01/15	22:00:00	1748.9	0.0
04/01/15	23:00:00	1748.6	0.0
04/02/15	00:00:00	1748.2	0.0
04/02/15	01:00:00	1747.9	0.0
04/02/15	02:00:00	1747.6	0.0
04/02/15	03:00:00	1747.3	0.0
04/02/15	04:00:00	1747.0	0.0
04/02/15	05:00:00	1746.7	0.0
04/02/15	06:00:00	1746.5	0.0
04/02/15	07:00:00	1746.3	0.0
04/02/15	08:00:00	1746.0	0.0
04/02/15	09:00:00	1745.8	0.0
04/02/15	10:00:00	1745.6	0.0
04/02/15	11:00:00	1745.3	0.0
04/02/15	12:00:00	1745.0	0.0
04/02/15	13:00:00	1744.8	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/02/15	14:00:00	1744.6	0.0
04/02/15	15:00:00	1744.4	0.0
04/02/15	16:00:00	1744.2	0.0
04/02/15	17:00:00	1744.0	0.0
04/02/15	18:00:00	1743.9	0.0
04/02/15	19:00:00	1743.9	0.0
04/02/15	20:00:00	1743.5	0.0
04/02/15	21:00:00	1743.4	0.0
04/02/15	22:00:00	1743.3	0.0
04/02/15	23:00:00	1743.2	0.0
04/03/15	00:00:00	1743.1	0.0
04/03/15	01:00:00	1743.0	0.0
04/03/15	02:00:00	1742.8	0.0
04/03/15	03:00:00	1742.7	0.0
04/03/15	04:00:00	1742.6	0.0
04/03/15	05:00:00	1742.5	0.0
04/03/15	06:00:00	1742.5	0.0
04/03/15	07:00:00	1742.3	0.0
04/03/15	08:00:00	(2)	0.0
04/03/15	09:00:00	1742.0	0.1
04/03/15	10:00:00	1742.2	0.0
04/03/15	11:00:00	1762.1	9.6
04/03/15	12:00:00	1764.5	9.8
04/03/15	13:00:00	1765.9	9.7
04/03/15	14:00:00	1767.3	9.7
04/03/15	15:00:00	1768.4	9.6
04/03/15	16:00:00	1767.8	8.8
04/03/15	17:00:00	1769.3	9.2
04/03/15	18:00:00	1771.3	9.5
04/03/15	19:00:00	1772.5	9.6
04/03/15	20:00:00	1772.9	9.7
04/03/15	21:00:00	1773.9	9.8
04/03/15	22:00:00	1775.0	10.0
04/03/15	23:00:00	1775.7	10.2
04/04/15	00:00:00	1775.8	10.2
04/04/15	01:00:00	1775.9	10.1
04/04/15	02:00:00	1776.0	10.0
04/04/15	03:00:00	1776.4	10.0
04/04/15	04:00:00	1776.6	10.0
04/04/15	05:00:00	1776.9	10.1
04/04/15	06:00:00	1776.9	10.0
04/04/15	07:00:00	1776.8	10.0
04/04/15	08:00:00	1777.0	9.9
04/04/15	09:00:00	1777.0	9.8
04/04/15	10:00:00	1777.8	9.9
04/04/15	11:00:00	1778.7	9.9
04/04/15	12:00:00	1778.4	9.6
04/04/15	13:00:00	1778.6	9.5
04/04/15	14:00:00	1779.3	9.5
04/04/15	15:00:00	1779.8	9.4
04/04/15	16:00:00	1780.4	9.4
04/04/15	17:00:00	1778.3	8.6
04/04/15	18:00:00	1779.8	9.2
04/04/15	19:00:00	1782.0	9.8
04/04/15	20:00:00	1781.9	9.6

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/04/15	21:00:00	1782.7	9.9
04/04/15	22:00:00	1782.9	9.9
04/04/15	23:00:00	1783.1	9.9
04/05/15	00:00:00	1783.6	10.1
04/05/15	01:00:00	1783.6	10.0
04/05/15	02:00:00	1783.5	10.0
04/05/15	03:00:00	1783.8	10.0
04/05/15	04:00:00	1783.8	10.0
04/05/15	05:00:00	1783.7	10.0
04/05/15	06:00:00	1783.7	10.0
04/05/15	07:00:00	1783.6	10.0
04/05/15	08:00:00	1784.2	10.2
04/05/15	09:00:00	1783.9	10.0
04/05/15	10:00:00	1783.8	9.8
04/05/15	11:00:00	1784.0	9.6
04/05/15	12:00:00	1784.5	9.7
04/05/15	13:00:00	1785.5	9.9
04/05/15	14:00:00	1785.9	10.1
04/05/15	15:00:00	1785.8	9.9
04/05/15	16:00:00	1786.4	10.0
04/05/15	17:00:00	1786.3	9.9
04/05/15	18:00:00	1786.8	9.9
04/05/15	19:00:00	1786.9	9.9
04/05/15	20:00:00	1787.0	10.0
04/05/15	21:00:00	1787.0	10.0
04/05/15	22:00:00	1787.1	10.0
04/05/15	23:00:00	1787.0	9.9
04/06/15	00:00:00	1783.5	9.0
04/06/15	01:00:00	1787.2	10.1
04/06/15	02:00:00	1787.1	10.0
04/06/15	03:00:00	1787.4	10.2
04/06/15	04:00:00	1787.2	10.1
04/06/15	05:00:00	1786.8	10.0
04/06/15	06:00:00	1786.7	10.0
04/06/15	07:00:00	1786.9	10.0
04/06/15	08:00:00	1787.3	10.1
04/06/15	09:00:00	1787.3	10.0
04/06/15	10:00:00	1787.3	9.8
04/06/15	11:00:00	1787.6	9.8
04/06/15	12:00:00	1788.1	9.8
04/06/15	13:00:00	1788.2	9.7
04/06/15	14:00:00	1788.6	9.6
04/06/15	15:00:00	1789.2	9.6
04/06/15	16:00:00	1790.3	9.8
04/06/15	17:00:00	1790.7	9.8
04/06/15	18:00:00	1791.1	9.8
04/06/15	19:00:00	1791.1	9.7
04/06/15	20:00:00	1791.4	9.8
04/06/15	21:00:00	1792.0	9.9
04/06/15	22:00:00	1792.4	10.0
04/06/15	23:00:00	1792.3	10.0
04/07/15	00:00:00	1792.6	10.1
04/07/15	01:00:00	1792.4	10.0
04/07/15	02:00:00	1792.5	10.1
04/07/15	03:00:00	1792.7	10.0
04/07/15	04:00:00	1792.8	9.9

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/07/15	05:00:00	1792.8	9.9
04/07/15	06:00:00	1792.7	9.9
04/07/15	07:00:00	1792.9	9.9
04/07/15	08:00:00	1792.8	9.9
04/07/15	09:00:00	1792.8	9.9
04/07/15	10:00:00	1792.8	9.9
04/07/15	11:00:00	1793.2	9.9
04/07/15	12:00:00	1793.7	9.9
04/07/15	13:00:00	1793.7	9.8
04/07/15	14:00:00	1793.6	9.7
04/07/15	15:00:00	1794.2	9.8
04/07/15	16:00:00	1794.8	9.9
04/07/15	17:00:00	1794.8	9.9
04/07/15	18:00:00	1795.5	10.2
04/07/15	19:00:00	1795.1	9.9
04/07/15	20:00:00	1794.8	9.9
04/07/15	21:00:00	1795.1	10.0
04/07/15	22:00:00	1791.0	8.8
04/07/15	23:00:00	1792.7	9.4
04/08/15	00:00:00	1795.0	10.1
04/08/15	01:00:00	1795.4	10.1
04/08/15	02:00:00	1795.5	10.2
04/08/15	03:00:00	1795.4	10.1
04/08/15	04:00:00	1795.4	10.1
04/08/15	05:00:00	1795.4	10.2
04/08/15	06:00:00	1795.1	10.0
04/08/15	07:00:00	1795.3	10.1
04/08/15	08:00:00	1795.5	10.2
04/08/15	09:00:00	1795.0	10.0
04/08/15	10:00:00	1795.7	10.1
04/08/15	11:00:00	1795.2	9.8
04/08/15	12:00:00	1795.2	9.7
04/08/15	13:00:00	1796.0	9.8
04/08/15	14:00:00	1796.4	9.8
04/08/15	15:00:00	1796.6	9.7
04/08/15	16:00:00	1797.0	9.7
04/08/15	17:00:00	1797.6	9.8
04/08/15	18:00:00	1798.0	9.8
04/08/15	19:00:00	1798.6	9.9
04/08/15	20:00:00	1798.7	9.9
04/08/15	21:00:00	1798.9	10.0
04/08/15	22:00:00	1798.8	10.0
04/08/15	23:00:00	1798.8	10.0
04/09/15	00:00:00	1799.0	10.1
04/09/15	01:00:00	1799.1	10.1
04/09/15	02:00:00	1799.1	10.1
04/09/15	03:00:00	1798.8	10.1
04/09/15	04:00:00	1798.8	10.1
04/09/15	05:00:00	1798.7	10.1
04/09/15	06:00:00	1798.6	10.1
04/09/15	07:00:00	1798.5	10.1
04/09/15	08:00:00	1798.7	10.1
04/09/15	09:00:00	1798.6	10.0
04/09/15	10:00:00	1798.7	9.9
04/09/15	11:00:00	1798.9	9.8
04/09/15	12:00:00	1799.2	9.7

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/09/15	13:00:00	1799.7	9.7
04/09/15	14:00:00	1800.3	9.7
04/09/15	15:00:00	1800.8	9.7
04/09/15	16:00:00	1801.5	9.8
04/09/15	17:00:00	1801.9	9.7
04/09/15	18:00:00	1802.2	9.8
04/09/15	19:00:00	1802.7	9.8
04/09/15	20:00:00	1802.8	9.8
04/09/15	21:00:00	1803.3	9.9
04/09/15	22:00:00	1803.6	10.0
04/09/15	23:00:00	1803.8	10.1
04/10/15	00:00:00	1798.4	8.3
04/10/15	01:00:00	1797.5	8.3
04/10/15	02:00:00	1797.1	8.2
04/10/15	03:00:00	1796.9	8.2
04/10/15	04:00:00	1796.7	8.2
04/10/15	05:00:00	1796.5	8.3
04/10/15	06:00:00	1796.3	8.3
04/10/15	07:00:00	1796.1	8.3
04/10/15	08:00:00	1796.0	8.3
04/10/15	09:00:00	1795.8	8.1
04/10/15	10:00:00	1796.0	8.1
04/10/15	11:00:00	1796.3	8.0
04/10/15	12:00:00	1796.6	8.0
04/10/15	13:00:00	1797.0	8.0
04/10/15	14:00:00	1797.3	8.0
04/10/15	15:00:00	1797.7	8.0
04/10/15	16:00:00	1798.0	7.9
04/10/15	17:00:00	1798.4	7.9
04/10/15	18:00:00	1798.6	8.0
04/10/15	19:00:00	1799.0	8.0
04/10/15	20:00:00	1798.9	8.1
04/10/15	21:00:00	1799.0	8.1
04/10/15	22:00:00	1799.0	8.1
04/10/15	23:00:00	1799.0	8.2
04/11/15	00:00:00	1798.9	8.2
04/11/15	01:00:00	1799.0	8.2
04/11/15	02:00:00	1798.8	8.2
04/11/15	03:00:00	1798.7	8.3
04/11/15	04:00:00	1798.6	8.3
04/11/15	05:00:00	1798.4	8.3
04/11/15	06:00:00	1798.3	8.3
04/11/15	07:00:00	1798.1	8.2
04/11/15	08:00:00	1798.2	8.2
04/11/15	09:00:00	1798.2	8.0
04/11/15	10:00:00	1798.4	8.0
04/11/15	11:00:00	1798.8	8.0
04/11/15	12:00:00	1799.0	8.0
04/11/15	13:00:00	1799.6	8.0
04/11/15	14:00:00	1799.9	8.0
04/11/15	15:00:00	1800.2	7.9
04/11/15	16:00:00	1800.6	7.9
04/11/15	17:00:00	1801.0	7.9
04/11/15	18:00:00	1801.0	7.9
04/11/15	19:00:00	1801.4	7.9
04/11/15	20:00:00	1801.7	8.1

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/11/15	21:00:00	1801.9	8.2
04/11/15	22:00:00	1801.2	7.9
04/11/15	23:00:00	1801.9	8.2
04/12/15	00:00:00	1801.9	8.2
04/12/15	01:00:00	1802.1	8.2
04/12/15	02:00:00	1802.1	8.3
04/12/15	03:00:00	1801.9	8.3
04/12/15	04:00:00	1801.8	8.3
04/12/15	05:00:00	1801.8	8.3
04/12/15	06:00:00	1801.7	8.3
04/12/15	07:00:00	1801.6	8.3
04/12/15	08:00:00	1800.5	7.7
04/12/15	09:00:00	1792.4	3.7
04/12/15	10:00:00	1791.6	3.4
04/12/15	11:00:00	1796.4	6.4
04/12/15	12:00:00	1800.7	7.9
04/12/15	13:00:00	1801.2	7.8
04/12/15	14:00:00	1799.2	6.9
04/12/15	15:00:00	1800.0	7.2
04/12/15	16:00:00	1802.2	7.8
04/12/15	17:00:00	1802.8	7.8
04/12/15	18:00:00	1803.1	7.8
04/12/15	19:00:00	1803.6	7.8
04/12/15	20:00:00	1803.7	7.9
04/12/15	21:00:00	1804.1	8.1
04/12/15	22:00:00	1804.2	8.0
04/12/15	23:00:00	1804.3	8.1
04/13/15	00:00:00	1804.5	8.2
04/13/15	01:00:00	1804.4	8.1
04/13/15	02:00:00	1804.4	8.1
04/13/15	03:00:00	1804.5	8.2
04/13/15	04:00:00	1800.6	6.7
04/13/15	05:00:00	1801.7	7.4
04/13/15	06:00:00	1803.7	8.2
04/13/15	07:00:00	1803.7	8.2
04/13/15	08:00:00	1803.8	8.2
04/13/15	09:00:00	1803.5	8.0
04/13/15	10:00:00	1803.8	8.0
04/13/15	11:00:00	1804.1	7.9
04/13/15	12:00:00	1802.4	6.9
04/13/15	13:00:00	1803.8	7.6
04/13/15	14:00:00	1805.0	7.8
04/13/15	15:00:00	1804.1	7.2
04/13/15	16:00:00	1805.9	7.9
04/13/15	17:00:00	1806.5	8.0
04/13/15	18:00:00	1806.7	8.1
04/13/15	19:00:00	1807.1	8.1
04/13/15	20:00:00	1806.7	8.1
04/13/15	21:00:00	1806.9	8.2
04/13/15	22:00:00	1806.8	8.2
04/13/15	23:00:00	1806.8	8.2
04/14/15	00:00:00	1806.7	8.2
04/14/15	01:00:00	1806.7	8.2
04/14/15	02:00:00	1806.7	8.2
04/14/15	03:00:00	1806.8	8.2
04/14/15	04:00:00	1806.7	8.3

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/14/15	05:00:00	1806.6	8.3
04/14/15	06:00:00	1806.4	8.3
04/14/15	07:00:00	1806.4	8.3
04/14/15	08:00:00	1801.8	6.2
04/14/15	09:00:00	1809.8	9.5
04/14/15	10:00:00	1811.7	9.8
04/14/15	11:00:00	1812.1	9.8
04/14/15	12:00:00	1809.3	8.6
04/14/15	13:00:00	1813.3	9.9
04/14/15	14:00:00	1813.9	9.8
04/14/15	15:00:00	1814.4	9.8
04/14/15	16:00:00	1815.0	9.8
04/14/15	17:00:00	1815.6	9.8
04/14/15	18:00:00	1816.0	9.8
04/14/15	19:00:00	1816.4	9.9
04/14/15	20:00:00	1816.3	9.8
04/14/15	21:00:00	1816.4	9.8
04/14/15	22:00:00	1816.6	9.9
04/14/15	23:00:00	1816.6	9.9
04/15/15	00:00:00	1817.2	10.1
04/15/15	01:00:00	1817.5	10.2
04/15/15	02:00:00	1817.3	10.1
04/15/15	03:00:00	1817.5	10.2
04/15/15	04:00:00	1817.4	10.2
04/15/15	05:00:00	1817.6	10.2
04/15/15	06:00:00	1817.3	10.1
04/15/15	07:00:00	1817.3	10.1
04/15/15	08:00:00	1817.6	10.2
04/15/15	09:00:00	1817.3	10.0
04/15/15	10:00:00	1817.5	9.9
04/15/15	11:00:00	1817.9	9.9
04/15/15	12:00:00	1818.5	9.9
04/15/15	13:00:00	1819.0	9.8
04/15/15	14:00:00	1819.5	9.8
04/15/15	15:00:00	1820.3	9.9
04/15/15	16:00:00	1820.9	9.9
04/15/15	17:00:00	1821.3	9.8
04/15/15	18:00:00	1821.6	9.8
04/15/15	19:00:00	1822.2	9.8
04/15/15	20:00:00	1822.0	9.8
04/15/15	21:00:00	1822.5	9.9
04/15/15	22:00:00	1822.9	10.0
04/15/15	23:00:00	1823.2	10.2
04/16/15	00:00:00	1823.2	10.1
04/16/15	01:00:00	1823.3	10.2
04/16/15	02:00:00	1823.2	10.2
04/16/15	03:00:00	1823.0	10.2
04/16/15	04:00:00	1822.9	10.2
04/16/15	05:00:00	1822.9	10.2
04/16/15	06:00:00	1822.6	10.2
04/16/15	07:00:00	1822.4	10.2
04/16/15	08:00:00	1822.3	10.2
04/16/15	09:00:00	1820.6	9.5
04/16/15	10:00:00	1821.3	9.6
04/16/15	11:00:00	1821.8	9.6
04/16/15	12:00:00	1822.2	9.5

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/16/15	13:00:00	1821.4	9.1
04/16/15	14:00:00	1809.3	2.1
04/16/15	15:00:00	1803.2	0.0
04/16/15	16:00:00	1802.0	0.0
04/16/15	17:00:00	1801.2	0.0
04/16/15	18:00:00	1800.3	0.0
04/16/15	19:00:00	1799.7	0.0
04/16/15	20:00:00	1798.7	0.0
04/16/15	21:00:00	1798.1	0.0
04/16/15	22:00:00	1797.7	0.0
04/16/15	23:00:00	1797.2	0.0
04/17/15	00:00:00	1796.7	0.0
04/17/15	01:00:00	1796.2	0.0
04/17/15	02:00:00	1795.7	0.0
04/17/15	03:00:00	1795.3	0.0
04/17/15	04:00:00	1795.0	0.0
04/17/15	05:00:00	1794.6	0.0
04/17/15	06:00:00	1794.2	0.0
04/17/15	07:00:00	1793.9	0.0
04/17/15	08:00:00	1793.6	0.0
04/17/15	09:00:00	1793.2	0.0
04/17/15	10:00:00	1792.9	0.0
04/17/15	11:00:00	1792.5	0.0
04/17/15	12:00:00	1792.2	0.0
04/17/15	13:00:00	1791.9	0.0
04/17/15	14:00:00	1791.7	0.0
04/17/15	15:00:00	1791.4	0.0
04/17/15	16:00:00	1791.2	0.0
04/17/15	17:00:00	1791.1	0.0
04/17/15	18:00:00	1790.7	0.0
04/17/15	19:00:00	1790.7	0.0
04/17/15	20:00:00	1790.2	0.0
04/17/15	21:00:00	1790.1	0.0
04/17/15	22:00:00	1790.0	0.0
04/17/15	23:00:00	1789.8	0.0
04/18/15	00:00:00	1789.7	0.0
04/18/15	01:00:00	1789.5	0.0
04/18/15	02:00:00	1789.4	0.0
04/18/15	03:00:00	1789.3	0.0
04/18/15	04:00:00	1789.1	0.0
04/18/15	05:00:00	1789.7	0.9
04/18/15	06:00:00	1790.5	1.9
04/18/15	07:00:00	1790.8	1.9
04/18/15	08:00:00	1791.4	1.9
04/18/15	09:00:00	1792.1	3.6
04/18/15	10:00:00	1792.7	3.6
04/18/15	11:00:00	1793.3	3.6
04/18/15	12:00:00	1796.0	4.9
04/18/15	13:00:00	1797.9	5.5
04/18/15	14:00:00	1798.7	5.5
04/18/15	15:00:00	1799.0	5.3
04/18/15	16:00:00	1801.7	6.5
04/18/15	17:00:00	1805.7	7.6
04/18/15	18:00:00	1806.3	7.6
04/18/15	19:00:00	1806.9	7.6
04/18/15	20:00:00	1807.4	7.7

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/18/15	21:00:00	1807.9	7.7
04/18/15	22:00:00	1808.3	7.7
04/18/15	23:00:00	1808.6	7.7
04/19/15	00:00:00	1809.1	7.8
04/19/15	01:00:00	1810.0	8.1
04/19/15	02:00:00	1810.2	8.0
04/19/15	03:00:00	1810.3	8.1
04/19/15	04:00:00	1810.4	8.0
04/19/15	05:00:00	1810.6	8.1
04/19/15	06:00:00	1810.5	8.1
04/19/15	07:00:00	1810.7	8.1
04/19/15	08:00:00	1810.7	8.0
04/19/15	09:00:00	1810.8	7.9
04/19/15	10:00:00	1811.2	7.9
04/19/15	11:00:00	1811.4	7.8
04/19/15	12:00:00	1811.9	7.7
04/19/15	13:00:00	1812.4	7.7
04/19/15	14:00:00	1813.0	7.7
04/19/15	15:00:00	1813.5	7.7
04/19/15	16:00:00	1814.1	7.7
04/19/15	17:00:00	1814.6	7.7
04/19/15	18:00:00	1814.8	7.7
04/19/15	19:00:00	1815.4	7.8
04/19/15	20:00:00	1815.5	7.9
04/19/15	21:00:00	1815.7	7.9
04/19/15	22:00:00	1815.8	7.9
04/19/15	23:00:00	1815.8	7.9
04/20/15	00:00:00	1815.9	7.9
04/20/15	01:00:00	1815.9	8.0
04/20/15	02:00:00	1815.9	8.0
04/20/15	03:00:00	1815.8	8.0
04/20/15	04:00:00	1815.7	8.0
04/20/15	05:00:00	1815.7	8.0
04/20/15	06:00:00	1815.7	8.0
04/20/15	07:00:00	1815.7	8.0
04/20/15	08:00:00	1815.8	8.0
04/20/15	09:00:00	1815.2	7.7
04/20/15	10:00:00	1814.8	7.4
04/20/15	11:00:00	1814.9	7.3
04/20/15	12:00:00	1808.9	4.1
04/20/15	13:00:00	1814.2	6.8
04/20/15	14:00:00	1821.8	9.5
04/20/15	15:00:00	1822.5	9.4
04/20/15	16:00:00	1823.4	9.4
04/20/15	17:00:00	1824.2	9.5
04/20/15	18:00:00	1824.5	9.5
04/20/15	19:00:00	1824.8	9.5
04/20/15	20:00:00	1825.1	9.5
04/20/15	21:00:00	1825.5	9.6
04/20/15	22:00:00	1825.6	9.6
04/20/15	23:00:00	1826.0	9.7
04/21/15	00:00:00	1826.2	9.8
04/21/15	01:00:00	1822.8	8.6
04/21/15	02:00:00	1819.9	7.7
04/21/15	03:00:00	1819.7	7.7
04/21/15	04:00:00	1823.0	8.9

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/21/15	05:00:00	1826.1	9.8
04/21/15	06:00:00	1826.1	9.8
04/21/15	07:00:00	1826.3	9.8
04/21/15	08:00:00	1826.6	9.8
04/21/15	09:00:00	1826.7	9.8
04/21/15	10:00:00	1826.8	9.7
04/21/15	11:00:00	1826.1	9.2
04/21/15	12:00:00	1821.8	7.7
04/21/15	13:00:00	1820.3	5.7
04/21/15	14:00:00	1825.8	9.0
04/21/15	15:00:00	1827.8	9.5
04/21/15	16:00:00	1828.7	9.5
04/21/15	17:00:00	1829.2	9.6
04/21/15	18:00:00	1829.7	9.7
04/21/15	19:00:00	1829.7	9.6
04/21/15	20:00:00	1829.5	9.5
04/21/15	21:00:00	1824.8	8.0
04/21/15	22:00:00	1828.5	9.4
04/21/15	23:00:00	1829.9	9.9
04/22/15	00:00:00	1829.6	9.8
04/22/15	01:00:00	1829.5	9.8
04/22/15	02:00:00	1829.7	9.8
04/22/15	03:00:00	1829.8	9.9
04/22/15	04:00:00	1829.8	9.9
04/22/15	05:00:00	1829.7	9.8
04/22/15	06:00:00	1829.9	9.8
04/22/15	07:00:00	1829.9	9.8
04/22/15	08:00:00	1830.3	9.8
04/22/15	09:00:00	1830.3	9.7
04/22/15	10:00:00	1830.7	9.8
04/22/15	11:00:00	1830.4	9.5
04/22/15	12:00:00	1830.6	9.5
04/22/15	13:00:00	1826.2	7.8
04/22/15	14:00:00	1825.2	7.4
04/22/15	15:00:00	1823.8	6.6
04/22/15	16:00:00	1822.4	5.8
04/22/15	17:00:00	1831.3	9.4
04/22/15	18:00:00	1832.3	9.4
04/22/15	19:00:00	1832.9	9.5
04/22/15	20:00:00	1833.2	9.5
04/22/15	21:00:00	1833.7	9.6
04/22/15	22:00:00	1833.9	9.6
04/22/15	23:00:00	1834.2	9.7
04/23/15	00:00:00	1834.5	9.8
04/23/15	01:00:00	1834.4	9.7
04/23/15	02:00:00	1834.7	9.8
04/23/15	03:00:00	1835.1	10.0
04/23/15	04:00:00	1834.8	9.9
04/23/15	05:00:00	1834.7	9.9
04/23/15	06:00:00	1834.5	9.9
04/23/15	07:00:00	1834.5	9.9
04/23/15	08:00:00	1834.8	9.9
04/23/15	09:00:00	1834.5	9.8
04/23/15	10:00:00	1834.6	9.7
04/23/15	11:00:00	1834.9	9.6
04/23/15	12:00:00	1835.4	9.6

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/23/15	13:00:00	1835.7	9.5
04/23/15	14:00:00	1836.4	9.5
04/23/15	15:00:00	1836.9	9.5
04/23/15	16:00:00	1837.3	9.4
04/23/15	17:00:00	1837.8	9.4
04/23/15	18:00:00	1838.2	9.5
04/23/15	19:00:00	1838.4	9.5
04/23/15	20:00:00	1838.3	9.5
04/23/15	21:00:00	1838.8	9.6
04/23/15	22:00:00	1839.2	9.7
04/23/15	23:00:00	1839.5	9.8
04/24/15	00:00:00	1839.2	9.8
04/24/15	01:00:00	1839.2	9.7
04/24/15	02:00:00	1839.3	9.7
04/24/15	03:00:00	1839.4	9.8
04/24/15	04:00:00	1839.7	9.9
04/24/15	05:00:00	1839.7	9.9
04/24/15	06:00:00	1839.6	9.8
04/24/15	07:00:00	1822.4	0.2
04/24/15	08:00:00	1819.5	0.0
04/24/15	09:00:00	1818.7	0.0
04/24/15	10:00:00	1817.9	0.0
04/24/15	11:00:00	1817.1	0.0
04/24/15	12:00:00	1816.4	0.0
04/24/15	13:00:00	1815.8	0.0
04/24/15	14:00:00	1816.1	0.9
04/24/15	15:00:00	1827.8	7.7
04/24/15	16:00:00	1834.1	9.6
04/24/15	17:00:00	1834.8	9.6
04/24/15	18:00:00	1835.3	9.6
04/24/15	19:00:00	1835.7	9.6
04/24/15	20:00:00	1836.1	9.6
04/24/15	21:00:00	1836.5	9.7
04/24/15	22:00:00	1836.8	9.7
04/24/15	23:00:00	1837.2	9.7
04/25/15	00:00:00	1837.3	9.7
04/25/15	01:00:00	1837.5	9.7
04/25/15	02:00:00	1837.6	9.7
04/25/15	03:00:00	1837.7	9.7
04/25/15	04:00:00	1838.1	9.8
04/25/15	05:00:00	1838.3	9.8
04/25/15	06:00:00	1838.5	9.7
04/25/15	07:00:00	1838.7	9.8
04/25/15	08:00:00	1838.8	9.7
04/25/15	09:00:00	1839.2	9.8
04/25/15	10:00:00	1839.4	9.7
04/25/15	11:00:00	1839.6	9.6
04/25/15	12:00:00	1840.0	9.6
04/25/15	13:00:00	1840.4	9.6
04/25/15	14:00:00	1839.5	9.1
04/25/15	15:00:00	1839.8	9.2
04/25/15	16:00:00	1842.0	9.7
04/25/15	17:00:00	1842.3	9.7
04/25/15	18:00:00	1842.5	9.7
04/25/15	19:00:00	1842.9	9.7
04/25/15	20:00:00	1842.9	9.7

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/25/15	21:00:00	1843.3	9.8
04/25/15	22:00:00	1843.3	9.8
04/25/15	23:00:00	1843.8	9.9
04/26/15	00:00:00	1843.9	9.9
04/26/15	01:00:00	1843.9	10.0
04/26/15	02:00:00	1843.9	9.9
04/26/15	03:00:00	1843.8	9.9
04/26/15	04:00:00	1843.9	10.0
04/26/15	05:00:00	1843.9	10.0
04/26/15	06:00:00	1844.0	10.0
04/26/15	07:00:00	1843.9	10.0
04/26/15	08:00:00	1843.8	9.9
04/26/15	09:00:00	1843.6	9.7
04/26/15	10:00:00	1844.0	9.7
04/26/15	11:00:00	1844.1	9.6
04/26/15	12:00:00	1844.4	9.5
04/26/15	13:00:00	1845.2	9.6
04/26/15	14:00:00	1845.4	9.5
04/26/15	15:00:00	1846.1	9.5
04/26/15	16:00:00	1846.6	9.5
04/26/15	17:00:00	1846.9	9.5
04/26/15	18:00:00	1847.0	9.4
04/26/15	19:00:00	1847.5	9.4
04/26/15	20:00:00	1847.6	9.5
04/26/15	21:00:00	1847.8	9.6
04/26/15	22:00:00	1848.2	9.7
04/26/15	23:00:00	1848.5	9.8
04/27/15	00:00:00	1848.7	9.8
04/27/15	01:00:00	1848.6	9.8
04/27/15	02:00:00	1848.7	9.8
04/27/15	03:00:00	1848.9	9.9
04/27/15	04:00:00	1848.7	9.8
04/27/15	05:00:00	1848.6	9.8
04/27/15	06:00:00	1848.7	9.8
04/27/15	07:00:00	1848.6	9.8
04/27/15	08:00:00	1848.3	9.7
04/27/15	09:00:00	1848.0	9.5
04/27/15	10:00:00	1848.6	9.6
04/27/15	11:00:00	1849.0	9.6
04/27/15	12:00:00	1849.4	9.6
04/27/15	13:00:00	1849.6	9.5
04/27/15	14:00:00	1849.4	9.2
04/27/15	15:00:00	1850.1	9.2
04/27/15	16:00:00	1850.6	9.2
04/27/15	17:00:00	1851.0	9.2
04/27/15	18:00:00	1851.3	9.3
04/27/15	19:00:00	1851.9	9.3
04/27/15	20:00:00	1852.0	9.3
04/27/15	21:00:00	1852.5	9.4
04/27/15	22:00:00	1852.7	9.4
04/27/15	23:00:00	1853.2	9.6
04/28/15	00:00:00	1853.8	9.7
04/28/15	01:00:00	1853.9	9.8
04/28/15	02:00:00	1853.7	9.8
04/28/15	03:00:00	1853.4	9.8
04/28/15	04:00:00	1853.4	9.8

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/28/15	05:00:00	1853.4	9.9
04/28/15	06:00:00	1853.4	9.8
04/28/15	07:00:00	1853.5	9.8
04/28/15	08:00:00	1853.6	9.8
04/28/15	09:00:00	1852.9	9.6
04/28/15	10:00:00	1852.8	9.5
04/28/15	11:00:00	1852.8	9.4
04/28/15	12:00:00	1853.2	9.3
04/28/15	13:00:00	1853.7	9.3
04/28/15	14:00:00	1854.1	9.2
04/28/15	15:00:00	1854.7	9.2
04/28/15	16:00:00	1854.9	9.1
04/28/15	17:00:00	1855.6	9.3
04/28/15	18:00:00	1856.0	9.3
04/28/15	19:00:00	1856.4	9.3
04/28/15	20:00:00	1856.5	9.4
04/28/15	21:00:00	1856.9	9.6
04/28/15	22:00:00	1857.1	9.7
04/28/15	23:00:00	1857.2	9.7
04/29/15	00:00:00	1857.0	9.8
04/29/15	01:00:00	1857.3	9.9
04/29/15	02:00:00	1857.1	9.9
04/29/15	03:00:00	1857.0	9.9
04/29/15	04:00:00	1856.7	9.9
04/29/15	05:00:00	1856.6	9.9
04/29/15	06:00:00	1856.3	9.9
04/29/15	07:00:00	1856.3	9.8
04/29/15	08:00:00	1856.5	9.8
04/29/15	09:00:00	1856.0	9.7
04/29/15	10:00:00	1856.2	9.6
04/29/15	11:00:00	1856.3	9.5
04/29/15	12:00:00	1856.6	9.3
04/29/15	13:00:00	1857.2	9.4
04/29/15	14:00:00	1857.6	9.3
04/29/15	15:00:00	1858.3	9.3
04/29/15	16:00:00	1858.7	9.3
04/29/15	17:00:00	1859.0	9.3
04/29/15	18:00:00	1859.2	9.3
04/29/15	19:00:00	1859.7	9.3
04/29/15	20:00:00	1859.6	9.3
04/29/15	21:00:00	1859.8	9.4
04/29/15	22:00:00	1860.2	9.5
04/29/15	23:00:00	1860.5	9.6
04/30/15	00:00:00	1860.6	9.7
04/30/15	01:00:00	1860.5	9.7
04/30/15	02:00:00	1860.5	9.8
04/30/15	03:00:00	1860.5	9.8
04/30/15	04:00:00	1860.3	9.8
04/30/15	05:00:00	1860.0	9.8
04/30/15	06:00:00	1859.8	9.7
04/30/15	07:00:00	1859.5	9.7
04/30/15	08:00:00	1859.5	9.7
04/30/15	09:00:00	1859.2	9.5
04/30/15	10:00:00	1859.6	9.5
04/30/15	11:00:00	1859.7	9.4
04/30/15	12:00:00	1859.8	9.2

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/30/15	13:00:00	1860.3	9.2
04/30/15	14:00:00	1861.1	9.2
04/30/15	15:00:00	1861.9	9.2
04/30/15	16:00:00	1862.3	9.2
04/30/15	17:00:00	1862.7	9.2
04/30/15	18:00:00	1862.8	9.2
04/30/15	19:00:00	1863.1	9.1
04/30/15	20:00:00	1863.2	9.2
04/30/15	21:00:00	1863.5	9.3
04/30/15	22:00:00	1864.1	9.5
04/30/15	23:00:00	1864.3	9.5
05/01/15	00:00:00	1864.6	9.6
05/01/15	01:00:00	1864.5	9.6
05/01/15	02:00:00	1864.3	9.6
05/01/15	03:00:00	1864.4	9.7
05/01/15	04:00:00	1864.3	9.7
05/01/15	05:00:00	1864.1	9.7
05/01/15	06:00:00	1864.0	9.8
05/01/15	07:00:00	1863.5	9.6
05/01/15	08:00:00	1863.6	9.6
05/01/15	09:00:00	1863.1	9.4
05/01/15	10:00:00	1863.5	9.3
05/01/15	11:00:00	1863.8	9.4
05/01/15	12:00:00	1855.9	4.6
05/01/15	13:00:00	1845.8	0.0
05/01/15	14:00:00	1844.7	0.0
05/01/15	15:00:00	1843.8	0.0
05/01/15	16:00:00	1843.0	0.0
05/01/15	17:00:00	1842.2	0.0
05/01/15	18:00:00	1841.4	0.0
05/01/15	19:00:00	1841.0	0.0
05/01/15	20:00:00	1840.2	0.0
05/01/15	21:00:00	1839.8	0.0
05/01/15	22:00:00	1839.4	0.0
05/01/15	23:00:00	1839.0	0.0
05/02/15	00:00:00	1838.6	0.0
05/02/15	01:00:00	1838.2	0.0
05/02/15	02:00:00	1837.8	0.0
05/02/15	03:00:00	1837.5	0.0
05/02/15	04:00:00	1837.1	0.0
05/02/15	05:00:00	1836.8	0.0
05/02/15	06:00:00	1836.5	0.0
05/02/15	07:00:00	1836.2	0.0
05/02/15	08:00:00	1835.9	0.0
05/02/15	09:00:00	1835.4	0.0
05/02/15	10:00:00	1835.3	0.0
05/02/15	11:00:00	1834.8	0.0
05/02/15	12:00:00	1834.5	0.0
05/02/15	13:00:00	1834.4	0.0
05/02/15	14:00:00	1834.2	0.0
05/02/15	15:00:00	1834.0	0.0
05/02/15	16:00:00	1833.8	0.0
05/02/15	17:00:00	1833.5	0.0
05/02/15	18:00:00	1833.1	0.0
05/02/15	19:00:00	1833.1	0.0
05/02/15	20:00:00	1832.7	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/02/15	21:00:00	1832.6	0.0
05/02/15	22:00:00	1832.5	0.0
05/02/15	23:00:00	1832.4	0.0
05/03/15	00:00:00	1832.2	0.0
05/03/15	01:00:00	1832.1	0.0
05/03/15	02:00:00	1831.9	0.0
05/03/15	03:00:00	1831.8	0.0
05/03/15	04:00:00	1831.7	0.0
05/03/15	05:00:00	1831.5	0.0
05/03/15	06:00:00	1831.3	0.0
05/03/15	07:00:00	1831.2	0.0
05/03/15	08:00:00	1831.0	0.0
05/03/15	09:00:00	1830.8	0.0
05/03/15	10:00:00	1830.7	0.0
05/03/15	11:00:00	1830.4	0.0
05/03/15	12:00:00	1831.0	0.7
05/03/15	13:00:00	1845.9	8.8
05/03/15	14:00:00	1849.0	9.2
05/03/15	15:00:00	1850.5	9.2
05/03/15	16:00:00	1851.9	9.4
05/03/15	17:00:00	1852.6	9.4
05/03/15	18:00:00	1853.2	9.3
05/03/15	19:00:00	1854.2	9.4
05/03/15	20:00:00	1854.6	9.5
05/03/15	21:00:00	1855.2	9.6
05/03/15	22:00:00	1855.8	9.7
05/03/15	23:00:00	1856.2	9.7
05/04/15	00:00:00	1856.5	9.7
05/04/15	01:00:00	1856.6	9.7
05/04/15	02:00:00	1856.9	9.7
05/04/15	03:00:00	1857.1	9.7
05/04/15	04:00:00	1857.2	9.7
05/04/15	05:00:00	1857.4	9.7
05/04/15	06:00:00	1857.6	9.7
05/04/15	07:00:00	1858.0	9.7
05/04/15	08:00:00	1858.2	9.7
05/04/15	09:00:00	1858.4	9.6
05/04/15	10:00:00	1858.8	9.6
05/04/15	11:00:00	1858.7	9.4
05/04/15	12:00:00	1851.1	4.7
05/04/15	13:00:00	1841.5	0.0
05/04/15	14:00:00	1840.6	0.0
05/04/15	15:00:00	1834.5	0.0
05/04/15	16:00:00	1830.9	0.0
05/04/15	17:00:00	1837.3	0.0
05/04/15	18:00:00	1837.3	0.0
05/04/15	19:00:00	1837.2	0.0
05/04/15	20:00:00	1836.6	0.0
05/04/15	21:00:00	1836.3	0.0
05/04/15	22:00:00	1836.1	0.0
05/04/15	23:00:00	1835.8	0.0
05/05/15	00:00:00	1835.6	0.0
05/05/15	01:00:00	1835.3	0.0
05/05/15	02:00:00	1835.0	0.0
05/05/15	03:00:00	1834.8	0.0
05/05/15	04:00:00	1834.6	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/05/15	05:00:00	1834.3	0.0
05/05/15	06:00:00	1834.1	0.0
05/05/15	07:00:00	1834.0	0.0
05/05/15	08:00:00	1833.7	0.0
05/05/15	09:00:00	1825.9	0.0
05/05/15	10:00:00	1832.2	0.0
05/05/15	11:00:00	1812.3	0.0
05/05/15	12:00:00	1830.5	0.0
05/05/15	13:00:00	1610.4	0.0
05/05/15	14:00:00	1822.8	0.0
05/05/15	15:00:00	1829.1	0.0
05/05/15	16:00:00	1829.5	0.0
05/05/15	17:00:00	1829.4	0.0
05/05/15	18:00:00	1779.0	0.0
05/05/15	19:00:00	1798.2	0.0
05/05/15	20:00:00	1839.8	7.8
05/05/15	21:00:00	1845.7	9.5
05/05/15	22:00:00	1847.8	9.6
05/05/15	23:00:00	1849.4	9.7
05/06/15	00:00:00	1850.6	9.7
05/06/15	01:00:00	1851.3	9.8
05/06/15	02:00:00	1851.4	9.7
05/06/15	03:00:00	1851.6	9.7
05/06/15	04:00:00	1852.0	9.7
05/06/15	05:00:00	1852.2	9.6
05/06/15	06:00:00	1852.5	9.7
05/06/15	07:00:00	1853.0	9.6
05/06/15	08:00:00	1853.4	9.2
05/06/15	09:00:00	1775.8	0.0
05/06/15	10:00:00	1719.4	0.0
05/06/15	11:00:00	1710.0	0.0
05/06/15	12:00:00	1706.3	0.0
05/06/15	13:00:00	1704.4	0.0
05/06/15	14:00:00	1704.4	0.0
05/06/15	15:00:00	1701.7	0.0
05/06/15	16:00:00	1701.4	0.0
05/06/15	17:00:00	1696.3	0.0
05/06/15	18:00:00	1694.8	0.0
05/06/15	19:00:00	1822.9	4.5
05/06/15	20:00:00	1836.4	9.3
05/06/15	21:00:00	1838.8	9.3
05/06/15	22:00:00	1841.0	9.5
05/06/15	23:00:00	1843.0	9.6
05/07/15	00:00:00	1844.2	9.6
05/07/15	01:00:00	1842.4	8.5
05/07/15	02:00:00	1845.7	9.2
05/07/15	03:00:00	1842.4	8.1
05/07/15	04:00:00	1845.7	9.0
05/07/15	05:00:00	1844.7	8.6
05/07/15	06:00:00	1843.2	8.0
05/07/15	07:00:00	1846.4	9.0
05/07/15	08:00:00	1848.6	9.4
05/07/15	09:00:00	1757.7	0.0
05/07/15	10:00:00	1706.0	0.0
05/07/15	11:00:00	1690.1	0.0
05/07/15	12:00:00	1687.5	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/07/15	13:00:00	1684.9	0.0
05/07/15	14:00:00	1683.3	0.0
05/07/15	15:00:00	1681.3	0.0
05/07/15	16:00:00	1678.2	0.0
05/07/15	17:00:00	1676.3	0.0
05/07/15	18:00:00	1674.3	0.0
05/07/15	19:00:00	1814.7	3.9
05/07/15	20:00:00	1830.7	9.6
05/07/15	21:00:00	1832.9	9.5
05/07/15	22:00:00	1835.0	9.4
05/07/15	23:00:00	1837.2	9.6
05/08/15	00:00:00	1838.6	9.5
05/08/15	01:00:00	1840.0	9.7
05/08/15	02:00:00	1840.7	9.6
05/08/15	03:00:00	1841.7	9.7
05/08/15	04:00:00	1841.7	9.6
05/08/15	05:00:00	1842.0	9.6
05/08/15	06:00:00	1842.7	9.7
05/08/15	07:00:00	1843.0	9.6
05/08/15	08:00:00	1834.8	4.7
05/08/15	09:00:00	1733.9	0.0
05/08/15	10:00:00	1696.8	0.0
05/08/15	11:00:00	1687.2	0.0
05/08/15	12:00:00	1690.4	0.0
05/08/15	13:00:00	1690.8	0.0
05/08/15	14:00:00	1690.5	0.0
05/08/15	15:00:00	1685.5	0.0
05/08/15	16:00:00	1687.9	0.0
05/08/15	17:00:00	1686.6	0.0
05/08/15	18:00:00	1684.9	0.0
05/08/15	19:00:00	1806.3	0.0
05/08/15	20:00:00	1815.7	4.6
05/08/15	21:00:00	1827.0	9.0
05/08/15	22:00:00	1830.3	9.4
05/08/15	23:00:00	1832.5	9.5
05/09/15	00:00:00	1834.1	9.5
05/09/15	01:00:00	1835.3	9.5
05/09/15	02:00:00	1836.5	9.7
05/09/15	03:00:00	1837.1	9.6
05/09/15	04:00:00	1837.9	9.6
05/09/15	05:00:00	1838.6	9.7
05/09/15	06:00:00	1839.0	9.6
05/09/15	07:00:00	1839.6	9.7
05/09/15	08:00:00	1839.3	9.3
05/09/15	09:00:00	1822.8	0.1
05/09/15	10:00:00	1821.8	0.0
05/09/15	11:00:00	1821.4	0.0
05/09/15	12:00:00	1821.1	0.0
05/09/15	13:00:00	1821.1	0.0
05/09/15	14:00:00	1821.1	0.0
05/09/15	15:00:00	1821.0	0.0
05/09/15	16:00:00	1820.8	0.0
05/09/15	17:00:00	1820.6	0.0
05/09/15	18:00:00	1820.5	0.0
05/09/15	19:00:00	1820.5	0.0
05/09/15	20:00:00	1820.2	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/09/15	21:00:00	1820.1	0.0
05/09/15	22:00:00	1820.1	0.0
05/09/15	23:00:00	1820.1	0.0
05/10/15	00:00:00	1820.1	0.0
05/10/15	01:00:00	1820.0	0.0
05/10/15	02:00:00	1819.9	0.0
05/10/15	03:00:00	1819.8	0.0
05/10/15	04:00:00	1819.8	0.0
05/10/15	05:00:00	1819.7	0.0
05/10/15	06:00:00	1819.6	0.0
05/10/15	07:00:00	1819.6	0.0
05/10/15	08:00:00	1819.6	0.0
05/10/15	09:00:00	1819.3	0.0
05/10/15	10:00:00	1819.3	0.0
05/10/15	11:00:00	1819.1	0.0
05/10/15	12:00:00	1818.9	0.0
05/10/15	13:00:00	1818.9	0.0
05/10/15	14:00:00	1819.0	0.0
05/10/15	15:00:00	1819.0	0.0
05/10/15	16:00:00	1818.9	0.0
05/10/15	17:00:00	1818.7	0.0
05/10/15	18:00:00	1818.6	0.0
05/10/15	19:00:00	1818.7	0.0
05/10/15	20:00:00	1818.5	0.0
05/10/15	21:00:00	1818.5	0.0
05/10/15	22:00:00	1818.5	0.0
05/10/15	23:00:00	1818.5	0.0
05/11/15	00:00:00	1818.5	0.0
05/11/15	01:00:00	1818.5	0.0
05/11/15	02:00:00	1818.5	0.0
05/11/15	03:00:00	1818.5	0.0
05/11/15	04:00:00	1818.4	0.0
05/11/15	05:00:00	1818.4	0.0
05/11/15	06:00:00	1818.3	0.0
05/11/15	07:00:00	1818.3	0.0
05/11/15	08:00:00	1818.3	0.0
05/11/15	09:00:00	1818.0	0.0
05/11/15	10:00:00	1818.0	0.0
05/11/15	11:00:00	1817.8	0.0
05/11/15	12:00:00	1817.8	0.0
05/11/15	13:00:00	1817.8	0.0
05/11/15	14:00:00	1817.9	0.0
05/11/15	15:00:00	1817.9	0.0
05/11/15	16:00:00	1817.8	0.0
05/11/15	17:00:00	1817.6	0.0
05/11/15	18:00:00	1817.6	0.0
05/11/15	19:00:00	1821.1	2.4
05/11/15	20:00:00	1834.5	8.9
05/11/15	21:00:00	1836.2	9.2
05/11/15	22:00:00	1837.6	9.3
05/11/15	23:00:00	1838.2	9.3
05/12/15	00:00:00	1839.4	9.6
05/12/15	01:00:00	1839.9	9.5
05/12/15	02:00:00	1840.4	9.5
05/12/15	03:00:00	1841.0	9.5
05/12/15	04:00:00	1841.6	9.6

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/12/15	05:00:00	1842.1	9.6
05/12/15	06:00:00	1842.4	9.5
05/12/15	07:00:00	1843.0	9.5
05/12/15	08:00:00	1843.4	9.5
05/12/15	09:00:00	1843.8	9.5
05/12/15	10:00:00	1844.6	9.5
05/12/15	11:00:00	1843.3	8.3
05/12/15	12:00:00	1827.2	0.0
05/12/15	13:00:00	1826.2	0.0
05/12/15	14:00:00	1819.0	0.0
05/12/15	15:00:00	1824.4	0.0
05/12/15	16:00:00	1805.3	0.0
05/12/15	17:00:00	1821.9	0.0
05/12/15	18:00:00	1737.9	0.0
05/12/15	19:00:00	1814.6	0.0
05/12/15	20:00:00	1643.6	0.0
05/12/15	21:00:00	1809.0	0.0
05/12/15	22:00:00	1829.6	7.1
05/12/15	23:00:00	1835.3	9.1
05/13/15	00:00:00	1838.1	9.6
05/13/15	01:00:00	1839.4	9.6
05/13/15	02:00:00	1840.5	9.6
05/13/15	03:00:00	1840.0	9.0
05/13/15	04:00:00	1832.8	6.0
05/13/15	05:00:00	1836.5	7.6
05/13/15	06:00:00	1836.7	7.6
05/13/15	07:00:00	1836.8	7.6
05/13/15	08:00:00	1837.1	7.6
05/13/15	09:00:00	1837.5	7.5
05/13/15	10:00:00	1838.0	7.5
05/13/15	11:00:00	1842.0	8.8
05/13/15	12:00:00	1837.2	5.3
05/13/15	13:00:00	1679.3	0.0
05/13/15	14:00:00	1646.9	0.0
05/13/15	15:00:00	1644.0	0.0
05/13/15	16:00:00	1644.2	0.0
05/13/15	17:00:00	1642.3	0.0
05/13/15	18:00:00	1809.0	0.0
05/13/15	19:00:00	1822.1	5.0
05/13/15	20:00:00	1832.1	9.4
05/13/15	21:00:00	1834.1	9.4
05/13/15	22:00:00	1835.7	9.5
05/13/15	23:00:00	1837.2	9.5
05/14/15	00:00:00	1838.4	9.5
05/14/15	01:00:00	1839.2	9.6
05/14/15	02:00:00	1839.7	9.5
05/14/15	03:00:00	1840.4	9.6
05/14/15	04:00:00	1840.8	9.5
05/14/15	05:00:00	1841.3	9.5
05/14/15	06:00:00	1841.7	9.6
05/14/15	07:00:00	1842.0	9.5
05/14/15	08:00:00	1842.4	9.4
05/14/15	09:00:00	1842.6	9.2
05/14/15	10:00:00	1843.4	9.3
05/14/15	11:00:00	1844.1	9.2
05/14/15	12:00:00	1836.4	4.7

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/14/15	13:00:00	1679.4	0.0
05/14/15	14:00:00	1554.5	0.0
05/14/15	15:00:00	1490.2	0.0
05/14/15	16:00:00	1484.6	0.0
05/14/15	17:00:00	1480.7	0.0
05/14/15	18:00:00	1795.9	0.0
05/14/15	19:00:00	1817.3	5.1
05/14/15	20:00:00	1827.2	9.3
05/14/15	21:00:00	1829.1	9.3
05/14/15	22:00:00	1831.0	9.4
05/14/15	23:00:00	1832.8	9.4
05/15/15	00:00:00	1834.3	9.5
05/15/15	01:00:00	1835.3	9.5
05/15/15	02:00:00	1836.1	9.5
05/15/15	03:00:00	1836.8	9.5
05/15/15	04:00:00	1837.4	9.5
05/15/15	05:00:00	1838.0	9.5
05/15/15	06:00:00	1838.6	9.6
05/15/15	07:00:00	1838.7	9.4
05/15/15	08:00:00	1839.3	9.4
05/15/15	09:00:00	1839.7	9.3
05/15/15	10:00:00	1840.5	9.2
05/15/15	11:00:00	1841.2	9.2
05/15/15	12:00:00	1833.7	4.8
05/15/15	13:00:00	1536.5	0.0
05/15/15	14:00:00	1500.5	0.0
05/15/15	15:00:00	1494.2	0.0
05/15/15	16:00:00	1478.3	0.0
05/15/15	17:00:00	1468.8	0.0
05/15/15	18:00:00	1792.0	0.0
05/15/15	19:00:00	1805.7	0.0
05/15/15	20:00:00	1806.6	0.0
05/15/15	21:00:00	1807.1	0.0
05/15/15	22:00:00	1807.7	0.0
05/15/15	23:00:00	1808.1	0.0
05/16/15	00:00:00	1808.4	0.0
05/16/15	01:00:00	1808.7	0.0
05/16/15	02:00:00	1809.1	0.0
05/16/15	03:00:00	1809.3	0.0
05/16/15	04:00:00	1809.5	0.0
05/16/15	05:00:00	1809.7	0.0
05/16/15	06:00:00	1809.9	0.0
05/16/15	07:00:00	1810.2	0.0
05/16/15	08:00:00	(3)	(3)
05/16/15	09:00:00	(3)	(3)
05/16/15	10:00:00	(3)	(3)
05/16/15	11:00:00	(3)	(3)
05/16/15	12:00:00	(3)	(3)
05/16/15	13:00:00	1810.9	0.0
05/16/15	14:00:00	1811.0	0.0
05/16/15	15:00:00	1811.2	0.0
05/16/15	16:00:00	1811.2	0.0
05/16/15	17:00:00	1811.1	0.0
05/16/15	18:00:00	1811.2	0.0
05/16/15	19:00:00	1811.4	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/16/15	20:00:00	1811.3	0.0
05/16/15	21:00:00	1811.4	0.0
05/16/15	22:00:00	1811.5	0.0
05/16/15	23:00:00	1811.6	0.0
05/17/15	00:00:00	1811.7	0.0
05/17/15	01:00:00	1811.7	0.0
05/17/15	02:00:00	1811.8	0.0
05/17/15	03:00:00	1811.9	0.0
05/17/15	04:00:00	1811.9	0.0
05/17/15	05:00:00	1811.9	0.0
05/17/15	06:00:00	1811.9	0.0
05/17/15	07:00:00	1812.0	0.0
05/17/15	08:00:00	1812.0	0.0
05/17/15	09:00:00	1812.0	0.0
05/17/15	10:00:00	1812.0	0.0
05/17/15	11:00:00	1812.0	0.0
05/17/15	12:00:00	1811.9	0.0
05/17/15	13:00:00	1811.8	0.0
05/17/15	14:00:00	1811.9	0.0
05/17/15	15:00:00	1812.0	0.0
05/17/15	16:00:00	1812.0	0.0
05/17/15	17:00:00	1811.8	0.0
05/17/15	18:00:00	1811.8	0.0
05/17/15	19:00:00	1811.8	0.0
05/17/15	20:00:00	1811.9	0.0
05/17/15	21:00:00	1811.9	0.0
05/17/15	22:00:00	1811.9	0.0
05/17/15	23:00:00	1812.0	0.0
05/18/15	00:00:00	1811.9	0.0
05/18/15	01:00:00	1812.0	0.0
05/18/15	02:00:00	1812.0	0.0
05/18/15	03:00:00	1811.9	0.0
05/18/15	04:00:00	1811.9	0.0
05/18/15	05:00:00	1811.9	0.0
05/18/15	06:00:00	1811.9	0.0
05/18/15	07:00:00	1812.0	0.0
05/18/15	08:00:00	1811.9	0.0
05/18/15	09:00:00	1811.8	0.0
05/18/15	10:00:00	1811.8	0.0
05/18/15	11:00:00	1811.7	0.0
05/18/15	12:00:00	1811.7	0.0
05/18/15	13:00:00	1811.6	0.0
05/18/15	14:00:00	1811.7	0.0
05/18/15	15:00:00	1811.8	0.0
05/18/15	16:00:00	1811.8	0.0
05/18/15	17:00:00	1811.6	0.0
05/18/15	18:00:00	1811.7	0.0
05/18/15	19:00:00	1811.7	0.0
05/18/15	20:00:00	1811.6	0.0
05/18/15	21:00:00	1811.5	0.0
05/18/15	22:00:00	1811.6	0.0
05/18/15	23:00:00	1811.7	0.0
05/19/15	00:00:00	1811.6	0.0
05/19/15	01:00:00	1811.7	0.0
05/19/15	02:00:00	1811.7	0.0
05/19/15	03:00:00	1811.6	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/19/15	04:00:00	1811.6	0.0
05/19/15	05:00:00	1811.6	0.0
05/19/15	06:00:00	1811.6	0.0
05/19/15	07:00:00	1811.7	0.0
05/19/15	08:00:00	1811.6	0.0
05/19/15	09:00:00	1811.4	0.0
05/19/15	10:00:00	1811.4	0.0
05/19/15	11:00:00	1811.3	0.0
05/19/15	12:00:00	1811.2	0.0
05/19/15	13:00:00	1811.2	0.0
05/19/15	14:00:00	1811.3	0.0
05/19/15	15:00:00	1811.4	0.0
05/19/15	16:00:00	1811.4	0.0
05/19/15	17:00:00	1811.2	0.0
05/19/15	18:00:00	1811.2	0.0
05/19/15	19:00:00	1811.3	0.0
05/19/15	20:00:00	1811.1	0.0
05/19/15	21:00:00	1811.1	0.0
05/19/15	22:00:00	1811.2	0.0
05/19/15	23:00:00	1811.2	0.0
05/20/15	00:00:00	1811.2	0.0
05/20/15	01:00:00	1811.2	0.0
05/20/15	02:00:00	1811.2	0.0
05/20/15	03:00:00	1811.2	0.0
05/20/15	04:00:00	1811.2	0.0
05/20/15	05:00:00	1811.2	0.0
05/20/15	06:00:00	1811.2	0.0
05/20/15	07:00:00	1811.2	0.0
05/20/15	08:00:00	1811.2	0.0
05/20/15	09:00:00	1810.9	0.0
05/20/15	10:00:00	1811.0	0.0
05/20/15	11:00:00	1810.9	0.0
05/20/15	12:00:00	1810.8	0.0
05/20/15	13:00:00	1810.8	0.0
05/20/15	14:00:00	1810.9	0.0
05/20/15	15:00:00	1811.0	0.0
05/20/15	16:00:00	1810.9	0.0
05/20/15	17:00:00	1810.8	0.0
05/20/15	18:00:00	1810.8	0.0
05/20/15	19:00:00	1810.9	0.0
05/20/15	20:00:00	1810.7	0.0
05/20/15	21:00:00	1810.7	0.0
05/20/15	22:00:00	1810.8	0.0
05/20/15	23:00:00	1810.8	0.0
05/21/15	00:00:00	1810.8	0.0
05/21/15	01:00:00	1810.8	0.0
05/21/15	02:00:00	1810.8	0.0
05/21/15	03:00:00	1810.7	0.0
05/21/15	04:00:00	1810.7	0.0
05/21/15	05:00:00	1810.8	0.0
05/21/15	06:00:00	1810.7	0.0
05/21/15	07:00:00	1810.7	0.0
05/21/15	08:00:00	1812.8	3.1
05/21/15	09:00:00	1813.3	6.8
05/21/15	10:00:00	1826.8	10.6
05/21/15	11:00:00	1828.5	10.9

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/21/15	12:00:00	1818.0	5.9
05/21/15	13:00:00	1803.6	0.0
05/21/15	14:00:00	1803.2	0.0
05/21/15	15:00:00	1802.9	0.0
05/21/15	16:00:00	1802.9	0.0
05/21/15	17:00:00	1802.6	0.0
05/21/15	18:00:00	1802.5	0.0
05/21/15	19:00:00	1822.7	8.8
05/21/15	20:00:00	1830.1	11.1
05/21/15	21:00:00	1831.3	11.2
05/21/15	22:00:00	1831.4	11.1
05/21/15	23:00:00	1829.5	10.2
05/22/15	00:00:00	1822.9	7.6
05/22/15	01:00:00	1832.2	11.0
05/22/15	02:00:00	1832.9	11.1
05/22/15	03:00:00	1833.4	11.0
05/22/15	04:00:00	1833.4	10.9
05/22/15	05:00:00	1833.7	10.9
05/22/15	06:00:00	1834.0	10.9
05/22/15	07:00:00	1834.4	10.8
05/22/15	08:00:00	1831.9	9.9
05/22/15	09:00:00	1835.6	10.8
05/22/15	10:00:00	1836.2	10.8
05/22/15	11:00:00	1836.8	10.7
05/22/15	12:00:00	1826.2	5.4
05/22/15	13:00:00	1813.4	0.0
05/22/15	14:00:00	1812.6	0.0
05/22/15	15:00:00	1812.1	0.0
05/22/15	16:00:00	1811.6	0.0
05/22/15	17:00:00	1811.1	0.0
05/22/15	18:00:00	1810.7	0.0
05/22/15	19:00:00	1827.9	8.3
05/22/15	20:00:00	1836.1	11.0
05/22/15	21:00:00	1837.2	11.0
05/22/15	22:00:00	1838.1	11.1
05/22/15	23:00:00	1838.6	11.1
05/23/15	00:00:00	1839.2	11.2
05/23/15	01:00:00	1839.2	11.1
05/23/15	02:00:00	1839.6	11.1
05/23/15	03:00:00	1839.9	11.1
05/23/15	04:00:00	1831.1	7.8
05/23/15	05:00:00	1840.0	11.0
05/23/15	06:00:00	1840.3	11.0
05/23/15	07:00:00	1840.8	11.0
05/23/15	08:00:00	1841.1	11.0
05/23/15	09:00:00	1841.5	10.9
05/23/15	10:00:00	1842.0	10.9
05/23/15	11:00:00	1842.6	10.8
05/23/15	12:00:00	1843.2	10.8
05/23/15	13:00:00	1844.3	10.9
05/23/15	14:00:00	1845.0	10.9
05/23/15	15:00:00	1845.7	10.8
05/23/15	16:00:00	1846.3	10.8
05/23/15	17:00:00	1846.9	10.7
05/23/15	18:00:00	1847.3	10.7
05/23/15	19:00:00	1848.2	10.8

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/23/15	20:00:00	1848.5	10.8
05/23/15	21:00:00	1848.9	10.9
05/23/15	22:00:00	1849.3	10.9
05/23/15	23:00:00	1849.4	10.9
05/24/15	00:00:00	1849.5	11.0
05/24/15	01:00:00	1849.5	11.0
05/24/15	02:00:00	1849.6	11.0
05/24/15	03:00:00	1849.6	11.0
05/24/15	04:00:00	1849.6	11.0
05/24/15	05:00:00	1849.7	11.0
05/24/15	06:00:00	1849.8	11.0
05/24/15	07:00:00	1850.0	11.0
05/24/15	08:00:00	1850.0	10.9
05/24/15	09:00:00	1850.8	11.0
05/24/15	10:00:00	1852.0	11.1
05/24/15	11:00:00	1852.6	11.1
05/24/15	12:00:00	1853.0	11.0
05/24/15	13:00:00	1853.7	11.0
05/24/15	14:00:00	1854.4	10.9
05/24/15	15:00:00	1855.4	10.9
05/24/15	16:00:00	1856.2	10.9
05/24/15	17:00:00	1856.9	11.0
05/24/15	18:00:00	1857.7	11.0
05/24/15	19:00:00	1858.1	11.0
05/24/15	20:00:00	1858.5	11.2
05/24/15	21:00:00	1858.5	11.2
05/24/15	22:00:00	1858.6	11.3
05/24/15	23:00:00	1858.4	11.3
05/25/15	00:00:00	1858.3	11.3
05/25/15	01:00:00	1858.2	11.4
05/25/15	02:00:00	1858.3	11.4
05/25/15	03:00:00	1858.3	11.4
05/25/15	04:00:00	1858.3	11.4
05/25/15	05:00:00	1858.3	11.4
05/25/15	06:00:00	1854.7	10.3
05/25/15	07:00:00	1857.9	11.3
05/25/15	08:00:00	1858.2	11.3
05/25/15	09:00:00	1857.3	10.9
05/25/15	10:00:00	1857.7	10.9
05/25/15	11:00:00	1859.3	11.2
05/25/15	12:00:00	1859.5	11.1
05/25/15	13:00:00	1858.3	10.6
05/25/15	14:00:00	1855.7	9.7
05/25/15	15:00:00	1861.1	11.0
05/25/15	16:00:00	1861.7	11.0
05/25/15	17:00:00	1862.3	11.0
05/25/15	18:00:00	1862.8	11.0
05/25/15	19:00:00	1863.6	11.1
05/25/15	20:00:00	1863.9	11.2
05/25/15	21:00:00	1858.2	9.1
05/25/15	22:00:00	1845.1	5.1
05/25/15	23:00:00	1848.6	7.1
05/26/15	00:00:00	1849.2	7.4
05/26/15	01:00:00	1856.1	9.7
05/26/15	02:00:00	1856.3	9.7
05/26/15	03:00:00	1856.3	9.7

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/26/15	04:00:00	1856.3	9.7
05/26/15	05:00:00	1862.0	11.3
05/26/15	06:00:00	1862.8	11.4
05/26/15	07:00:00	1862.9	11.3
05/26/15	08:00:00	1863.1	11.3
05/26/15	09:00:00	1863.7	11.4
05/26/15	10:00:00	1863.9	11.3
05/26/15	11:00:00	1864.2	11.2
05/26/15	12:00:00	1856.9	7.8
05/26/15	13:00:00	1838.0	0.0
05/26/15	14:00:00	1836.8	0.0
05/26/15	15:00:00	1836.1	0.0
05/26/15	16:00:00	1835.3	0.0
05/26/15	17:00:00	1834.5	0.0
05/26/15	18:00:00	1834.0	0.0
05/26/15	19:00:00	1833.5	0.0
05/26/15	20:00:00	1857.9	10.6
05/26/15	21:00:00	1861.5	11.5
05/26/15	22:00:00	1862.3	11.5
05/26/15	23:00:00	1862.9	11.6
05/27/15	00:00:00	1862.9	11.5
05/27/15	01:00:00	1863.0	11.4
05/27/15	02:00:00	1862.2	11.2
05/27/15	03:00:00	1863.1	11.3
05/27/15	04:00:00	1863.1	11.3
05/27/15	05:00:00	1863.5	11.3
05/27/15	06:00:00	1859.7	10.2
05/27/15	07:00:00	1864.9	11.6
05/27/15	08:00:00	1865.4	11.6
05/27/15	09:00:00	1862.7	10.7
05/27/15	10:00:00	1866.6	11.6
05/27/15	11:00:00	1867.4	11.6
05/27/15	12:00:00	1863.7	9.6
05/27/15	13:00:00	1839.9	0.0
05/27/15	14:00:00	1838.9	0.0
05/27/15	15:00:00	1838.2	0.0
05/27/15	16:00:00	1837.4	0.0
05/27/15	17:00:00	1836.8	0.0
05/27/15	18:00:00	1836.2	0.0
05/27/15	19:00:00	1857.0	9.2
05/27/15	20:00:00	1864.8	11.5
05/27/15	21:00:00	1866.0	11.6
05/27/15	22:00:00	1866.8	11.6
05/27/15	23:00:00	1867.5	11.7
05/28/15	00:00:00	1867.1	11.5
05/28/15	01:00:00	1867.9	11.7
05/28/15	02:00:00	1868.3	11.7
05/28/15	03:00:00	1868.5	11.7
05/28/15	04:00:00	1868.5	11.7
05/28/15	05:00:00	1868.7	11.8
05/28/15	06:00:00	1868.8	11.8
05/28/15	07:00:00	1869.0	11.7
05/28/15	08:00:00	1869.4	11.7
05/28/15	09:00:00	1869.9	11.7
05/28/15	10:00:00	1870.6	11.6
05/28/15	11:00:00	1871.2	11.5

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/28/15	12:00:00	1863.3	7.7
05/28/15	13:00:00	1843.6	0.0
05/28/15	14:00:00	1842.3	0.0
05/28/15	15:00:00	1841.5	0.0
05/28/15	16:00:00	1841.0	0.0
05/28/15	17:00:00	1840.3	0.0
05/28/15	18:00:00	1839.7	0.0
05/28/15	19:00:00	1860.5	9.1
05/28/15	20:00:00	1868.5	11.3
05/28/15	21:00:00	1870.1	11.5
05/28/15	22:00:00	1871.0	11.5
05/28/15	23:00:00	1871.8	11.6
05/29/15	00:00:00	1872.4	11.7
05/29/15	01:00:00	1872.5	11.7
05/29/15	02:00:00	1872.5	11.7
05/29/15	03:00:00	1872.5	11.7
05/29/15	04:00:00	1872.6	11.7
05/29/15	05:00:00	1872.8	11.7
05/29/15	06:00:00	1872.8	11.7
05/29/15	07:00:00	1873.0	11.7
05/29/15	08:00:00	1873.3	11.7
05/29/15	09:00:00	1873.6	11.6
05/29/15	10:00:00	1874.4	11.6
05/29/15	11:00:00	1874.5	11.3
05/29/15	12:00:00	1866.7	7.6
05/29/15	13:00:00	1847.2	0.0
05/29/15	14:00:00	1845.9	0.0
05/29/15	15:00:00	1845.2	0.0
05/29/15	16:00:00	1844.3	0.0
05/29/15	17:00:00	1843.7	0.0
05/29/15	18:00:00	1843.2	0.0
05/29/15	19:00:00	1862.6	8.5
05/29/15	20:00:00	1872.2	11.3
05/29/15	21:00:00	1873.8	11.5
05/29/15	22:00:00	1874.9	11.5
05/29/15	23:00:00	1874.6	11.4
05/30/15	00:00:00	1876.3	11.7
05/30/15	01:00:00	1874.8	11.3
05/30/15	02:00:00	1873.7	11.0
05/30/15	03:00:00	1848.4	0.1
05/30/15	04:00:00	1846.5	0.0
05/30/15	05:00:00	1845.8 (4)	0.0 (4)
05/30/15	06:00:00	1845.3 (4)	0.0 (4)
05/30/15	07:00:00	1844.5	0.0
05/30/15	08:00:00	1844.0	0.0
05/30/15	09:00:00	1843.4	0.0
05/30/15	10:00:00	1843.0	0.0
05/30/15	11:00:00	1842.5	0.0
05/30/15	12:00:00	1834.0	0.0
05/30/15	13:00:00	1840.8	0.0
05/30/15	14:00:00	1817.5	0.0
05/30/15	15:00:00	1839.1	0.0
05/30/15	16:00:00	1753.7	0.0
05/30/15	17:00:00	1834.4	0.0
05/30/15	18:00:00	1656.7	0.0
05/30/15	19:00:00	1830.3	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
05/30/15	20:00:00	1737.6	0.0
05/30/15	21:00:00	1580.4	0.0
05/30/15	22:00:00	1635.0	0.0
05/30/15	23:00:00	1634.8	0.0
05/31/15	00:00:00	1631.9	0.0
05/31/15	01:00:00	1626.0	0.0
05/31/15	02:00:00	1624.7	0.0
05/31/15	03:00:00	1623.4	0.0
05/31/15	04:00:00	1621.5	0.0
05/31/15	05:00:00	1618.9	0.0
05/31/15	06:00:00	1605.2	0.0
05/31/15	07:00:00	1603.9	0.0
05/31/15	08:00:00	1601.9	0.0
05/31/15	09:00:00	1599.6	0.0
05/31/15	10:00:00	1597.0	0.0
05/31/15	11:00:00	1595.1	0.0
05/31/15	12:00:00	1592.9	0.0
05/31/15	13:00:00	1592.1	0.0
05/31/15	14:00:00	1591.0	0.0
05/31/15	15:00:00	1589.8	0.0
05/31/15	16:00:00	1588.7	0.0
05/31/15	17:00:00	1587.5	0.0
05/31/15	18:00:00	1586.4	0.0
05/31/15	19:00:00	1584.9	0.0
05/31/15	20:00:00	1583.8	0.0
05/31/15	21:00:00	1582.8	0.0
05/31/15	22:00:00	1585.2	0.0
05/31/15	23:00:00	1592.6	0.0
06/01/15	00:00:00	1577.9	0.0
06/01/15	01:00:00	1576.9	0.0
06/01/15	02:00:00	1576.1	0.0
06/01/15	03:00:00	1574.3	0.0
06/01/15	04:00:00	1572.0	0.0
06/01/15	05:00:00	1567.2	0.0
06/01/15	06:00:00	1565.1	0.0
06/01/15	07:00:00	1564.5	0.0
06/01/15	08:00:00	1562.9	0.0
06/01/15	09:00:00	1562.2	0.0
06/01/15	10:00:00	1560.2	0.0
06/01/15	11:00:00	1558.0	0.0
06/01/15	12:00:00	1557.0	0.0
06/01/15	13:00:00	1555.9	0.0
06/01/15	14:00:00	1554.8	0.0
06/01/15	15:00:00	1690.4	0.0
06/01/15	16:00:00	1696.0	0.0
06/01/15	17:00:00	1555.8	0.0
06/01/15	18:00:00	1571.5	0.0
06/01/15	19:00:00	1567.3	0.0
06/01/15	20:00:00	1567.0	0.0
06/01/15	21:00:00	1566.9	0.0
06/01/15	22:00:00	1558.1	0.0
06/01/15	23:00:00	1692.8	0.0
06/02/15	00:00:00	1771.4	0.0
06/02/15	01:00:00	1774.0	0.0
06/02/15	02:00:00	1775.6	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
06/02/15	03:00:00	1777.0	0.0
06/02/15	04:00:00	1778.3	0.0
06/02/15	05:00:00	1779.4	0.0
06/02/15	06:00:00	1780.5	0.0
06/02/15	07:00:00	1781.7	0.0
06/02/15	08:00:00	1782.3	0.0
06/02/15	09:00:00	1783.2	0.0
06/02/15	10:00:00	1784.0	0.0
06/02/15	11:00:00	1784.8	0.0
06/02/15	12:00:00	1777.8	0.0
06/02/15	13:00:00	1777.2	0.0
06/02/15	14:00:00	1777.5	0.0
06/02/15	15:00:00	1779.2	0.0
06/02/15	16:00:00	1778.4	0.0
06/02/15	17:00:00	1778.5	0.0
06/02/15	18:00:00	1778.4	0.0
06/02/15	19:00:00	1778.6	0.0
06/02/15	20:00:00	1778.6	0.0
06/02/15	21:00:00	1778.6	0.0
06/02/15	22:00:00	1778.8	0.0
06/02/15	23:00:00	1778.8	0.0
06/03/15	00:00:00	1778.9	0.0
06/03/15	01:00:00	1779.0	0.0
06/03/15	02:00:00	1778.8	0.0
06/03/15	03:00:00	1778.8	0.0
06/03/15	04:00:00	1778.7	0.0
06/03/15	05:00:00	1778.6	0.0
06/03/15	06:00:00	1778.5	0.0
06/03/15	07:00:00	1781.9	0.0
06/03/15	08:00:00	(5)	0.0
06/03/15	09:00:00	1791.4	0.0
06/03/15	10:00:00	1789.9	0.0
06/03/15	11:00:00	1784.5	0.0
06/03/15	12:00:00	1788.6	0.0
06/03/15	13:00:00	1772.6	0.0
06/03/15	14:00:00	1784.5	0.0
06/03/15	15:00:00	1681.6	0.0
06/03/15	16:00:00	1777.8	0.0
06/03/15	17:00:00	1685.0	0.0
06/03/15	18:00:00	1668.9	0.0
06/03/15	19:00:00	1660.8	0.0
06/03/15	20:00:00	1659.0	0.0
06/03/15	21:00:00	1659.0	0.0
06/03/15	22:00:00	1659.8	0.0
06/03/15	23:00:00	1657.7	0.0
06/04/15	00:00:00	1651.7	0.0
06/04/15	01:00:00	1657.5	0.0
06/04/15	02:00:00	1657.1	0.0
06/04/15	03:00:00	1680.3	0.0
06/04/15	04:00:00	1779.6	0.0
06/04/15	05:00:00	1782.7	0.0
06/04/15	06:00:00	1783.7	0.0
06/04/15	07:00:00	1784.4	0.0
06/04/15	08:00:00	1785.1	0.0
06/04/15	09:00:00	1785.6	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
06/04/15	10:00:00	1786.0	0.0
06/04/15	11:00:00	1786.5	0.0
06/04/15	12:00:00	1786.7	0.0
06/04/15	13:00:00	1787.1	0.0
06/04/15	14:00:00	1787.6	0.0
06/04/15	15:00:00	1788.0	0.0
06/04/15	16:00:00	1788.4	0.0
06/04/15	17:00:00	1788.5	0.0
06/04/15	18:00:00	1789.0	0.0
06/04/15	19:00:00	1789.3	0.0
06/04/15	20:00:00	1789.5	0.0
06/04/15	21:00:00	1789.8	0.0
06/04/15	22:00:00	1790.2	0.0
06/04/15	23:00:00	1790.4	0.0
06/05/15	00:00:00	1790.7	0.0
06/05/15	01:00:00	1791.0	0.0
06/05/15	02:00:00	1791.2	0.0
06/05/15	03:00:00	1791.4	0.0
06/05/15	04:00:00	1791.6	0.0
06/05/15	05:00:00	1791.8	0.0
06/05/15	06:00:00	1791.9	0.0
06/05/15	07:00:00	1792.1	0.0
06/05/15	08:00:00	1792.3	0.0
06/05/15	09:00:00	1792.4	0.0
06/05/15	10:00:00	(6)	0.0
06/05/15	11:00:00	(6)	0.0
06/05/15	12:00:00	(6)	0.0
06/05/15	13:00:00	(6)	0.0
06/05/15	14:00:00	(6)	0.0
06/05/15	15:00:00	(6)	0.0
06/05/15	16:00:00	(6)	0.0
06/05/15	17:00:00	(6)	0.0
06/05/15	18:00:00	(6)	0.0
06/05/15	19:00:00	(6)	0.0
06/05/15	20:00:00	(6)	0.0
06/05/15	21:00:00	(6)	0.0
06/05/15	22:00:00	(6)	0.0
06/05/15	23:00:00	(6)	0.0
06/06/15	00:00:00	(6)	0.0
06/06/15	01:00:00	(6)	0.0
06/06/15	02:00:00	(6)	0.0
06/06/15	03:00:00	(6)	0.0
06/06/15	04:00:00	(6)	0.0
06/06/15	05:00:00	(6)	0.0
06/06/15	06:00:00	(6)	0.0
06/06/15	07:00:00	(6)	0.0
06/06/15	08:00:00	(6)	0.0
06/06/15	09:00:00	1794.3	0.0
06/06/15	10:00:00	1794.4	0.0
06/06/15	11:00:00	1794.4	0.0
06/06/15	12:00:00	1794.3	0.0
06/06/15	13:00:00	1794.1	0.0
06/06/15	14:00:00	1794.3	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
06/06/15	15:00:00	1794.3	0.0
06/06/15	16:00:00	1794.4	0.0
06/06/15	17:00:00	1794.2	0.0
06/06/15	18:00:00	1794.4	0.0
06/06/15	19:00:00	1794.5	0.0
06/06/15	20:00:00	1794.6	0.0
06/06/15	21:00:00	1794.6	0.0
06/06/15	22:00:00	1794.7	0.0
06/06/15	23:00:00	1794.8	0.0
06/07/15	00:00:00	1794.8	0.0
06/07/15	01:00:00	1794.9	0.0
06/07/15	02:00:00	1794.9	0.0
06/07/15	03:00:00	1794.9	0.0
06/07/15	04:00:00	1795.0	0.0
06/07/15	05:00:00	1795.0	0.0
06/07/15	06:00:00	1795.1	0.0
06/07/15	07:00:00	1795.2	0.0
06/07/15	08:00:00	1795.2	0.0
06/07/15	09:00:00	1795.2	0.0
06/07/15	10:00:00	1795.2	0.0
06/07/15	11:00:00	1795.2	0.0
06/07/15	12:00:00	1795.0	0.0
06/07/15	13:00:00	1794.8	0.0
06/07/15	14:00:00	1795.0	0.0
06/07/15	15:00:00	1795.0	0.0
06/07/15	16:00:00	1795.2	0.0
06/07/15	17:00:00	1795.0	0.0
06/07/15	18:00:00	1794.8	0.0
06/07/15	19:00:00	1794.8	0.0
06/07/15	20:00:00	1794.9	0.0
06/07/15	21:00:00	1795.0	0.0
06/07/15	22:00:00	1795.1	0.0
06/07/15	23:00:00	1795.1	0.0
06/08/15	00:00:00	1795.2	0.0
06/08/15	01:00:00	1795.2	0.0
06/08/15	02:00:00	1795.3	0.0
06/08/15	03:00:00	1795.3	0.0
06/08/15	04:00:00	1795.3	0.0
06/08/15	05:00:00	1795.3	0.0
06/08/15	06:00:00	1795.4	0.0
06/08/15	07:00:00	1795.5	0.0
06/08/15	08:00:00	1795.6	0.0
06/08/15	09:00:00	1795.5	0.0
06/08/15	10:00:00	1795.5	0.0
06/08/15	11:00:00	1795.4	0.0
06/08/15	12:00:00	1795.3	0.0
06/08/15	13:00:00	1795.1	0.0
06/08/15	14:00:00	1795.3	0.0
06/08/15	15:00:00	1795.3	0.0
06/08/15	16:00:00	1795.4	0.0
06/08/15	17:00:00	1795.3	0.0
06/08/15	18:00:00	1795.0	0.0
06/08/15	19:00:00	1795.1	0.0
06/08/15	20:00:00	1795.2	0.0
06/08/15	21:00:00	1795.2	0.0
06/08/15	22:00:00	1795.3	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
06/08/15	23:00:00	1795.4	0.0
06/09/15	00:00:00	1795.4	0.0
06/09/15	01:00:00	1795.4	0.0
06/09/15	02:00:00	1795.4	0.0
06/09/15	03:00:00	1795.5	0.0
06/09/15	04:00:00	1795.6	0.0
06/09/15	05:00:00	1795.6	0.0
06/09/15	06:00:00	1795.6	0.0
06/09/15	07:00:00	1795.7	0.0
06/09/15	08:00:00	1795.7	0.0
06/09/15	09:00:00	(6)	0.0
06/09/15	10:00:00	(6)	0.0
06/09/15	11:00:00	(6)	0.0
06/09/15	12:00:00	(6)	0.0
06/09/15	13:00:00	(6)	0.0
06/09/15	14:00:00	(6)	0.0
06/09/15	15:00:00	(6)	0.0
06/09/15	16:00:00	(6)	0.0
06/09/15	17:00:00	(6)	0.0
06/09/15	18:00:00	(6)	0.0
06/09/15	19:00:00	(6)	0.0
06/09/15	20:00:00	(6)	0.0
06/09/15	21:00:00	(6)	0.0
06/09/15	22:00:00	(6)	0.0
06/09/15	23:00:00	(6)	0.0
06/10/15	00:00:00	(6)	0.0
06/10/15	01:00:00	(6)	0.0
06/10/15	02:00:00	(6)	0.0
06/10/15	03:00:00	(6)	0.0
06/10/15	04:00:00	(6)	0.0
06/10/15	05:00:00	(6)	0.0
06/10/15	06:00:00	(6)	0.0
06/10/15	07:00:00	(6)	0.0
06/10/15	08:00:00	(6)	0.0
06/10/15	09:00:00	(6)	0.0
06/10/15	10:00:00	(6)	0.0
06/10/15	11:00:00	(6)	0.0
06/10/15	12:00:00	(6)	0.0
06/10/15	13:00:00	(6)	0.0
06/10/15	14:00:00	(6)	0.0
06/10/15	15:00:00	(6)	0.0
06/10/15	16:00:00	(6)	0.0
06/10/15	17:00:00	(6)	0.0
06/10/15	18:00:00	(6)	0.0
06/10/15	19:00:00	(6)	0.0
06/10/15	20:00:00	(6)	0.0
06/10/15	21:00:00	(6)	0.0
06/10/15	22:00:00	(6)	0.0
06/10/15	23:00:00	(6)	0.0
06/11/15	00:00:00	(6)	0.0
06/11/15	01:00:00	(6)	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
06/11/15	02:00:00	(6)	0.0
06/11/15	03:00:00	(6)	0.0
06/11/15	04:00:00	(6)	0.0
06/11/15	05:00:00	(6)	0.0
06/11/15	06:00:00	(6)	0.0
06/11/15	07:00:00	(6)	0.0
06/11/15	08:00:00	(6)	0.0
06/11/15	09:00:00	(6)	0.0
06/11/15	10:00:00	(6)	0.0
06/11/15	11:00:00	(6)	0.0
06/11/15	12:00:00	(6)	0.0
06/11/15	13:00:00	(6)	0.0
06/11/15	14:00:00	(6)	0.0
06/11/15	15:00:00	(6)	0.0
06/11/15	16:00:00	(6)	0.0
06/11/15	17:00:00	(6)	0.0
06/11/15	18:00:00	(6)	0.0
06/11/15	19:00:00	1799.3	0.0
06/11/15	20:00:00	1799.3	0.0
06/11/15	21:00:00	1799.3	0.0
06/11/15	22:00:00	1799.3	0.0
06/11/15	23:00:00	1799.3	0.0
06/12/15	00:00:00	1799.3	0.0
06/12/15	01:00:00	1799.3	0.0
06/12/15	02:00:00	1799.3	0.0
06/12/15	03:00:00	1799.3	0.0
06/12/15	04:00:00	1799.3	0.0
06/12/15	05:00:00	1799.3	0.0
06/12/15	06:00:00	1799.3	0.0
06/12/15	07:00:00	1799.3	0.0
06/12/15	08:00:00	1799.3	0.0
06/12/15	09:00:00	1799.2	0.0
06/12/15	10:00:00	1799.3	0.0
06/12/15	11:00:00	1799.3	0.0
06/12/15	12:00:00	1799.2	0.0
06/12/15	13:00:00	1798.9	0.0
06/12/15	14:00:00	1799.0	0.0
06/12/15	15:00:00	1798.6	0.0
06/12/15	16:00:00	1798.6	0.0
06/12/15	17:00:00	1798.3	0.0
06/12/15	18:00:00	1798.3	0.0
06/12/15	19:00:00	1798.3	0.0
06/12/15	20:00:00	1798.3	0.0
06/12/15	21:00:00	1798.3	0.0
06/12/15	22:00:00	1798.8	0.0
06/12/15	23:00:00	1799.3	0.0
06/13/15	00:00:00	1799.3	0.0
06/13/15	01:00:00	1799.3	0.0
06/13/15	02:00:00	1799.3	0.0
06/13/15	03:00:00	1799.3	0.0
06/13/15	04:00:00	1799.3	0.0
06/13/15	05:00:00	1799.3	0.0
06/13/15	06:00:00	1799.3	0.0
06/13/15	07:00:00	1799.3	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
06/13/15	08:00:00	1799.3	0.0
06/13/15	09:00:00	1799.3	0.0
06/13/15	10:00:00	1799.3	0.0
06/13/15	11:00:00	1799.3	0.0
06/13/15	12:00:00	1799.3	0.0
06/13/15	13:00:00	1799.3	0.0
06/13/15	14:00:00	1799.3	0.0
06/13/15	15:00:00	1798.8	0.0
06/13/15	16:00:00	1799.0	0.0
06/13/15	17:00:00	1798.4	0.0
06/13/15	18:00:00	1798.3	0.0
06/13/15	19:00:00	1798.7	0.0
06/13/15	20:00:00	1799.3	0.0
06/13/15	21:00:00	1799.3	0.0
06/13/15	22:00:00	1799.3	0.0
06/13/15	23:00:00	1799.3	0.0
06/14/15	00:00:00	1799.3	0.0
06/14/15	01:00:00	1799.3	0.0
06/14/15	02:00:00	1799.3	0.0
06/14/15	03:00:00	1799.3	0.0
06/14/15	04:00:00	1799.3	0.0
06/14/15	05:00:00	1799.3	0.0
06/14/15	06:00:00	1799.3	0.0
06/14/15	07:00:00	1799.3	0.0
06/14/15	08:00:00	1799.3	0.0
06/14/15	09:00:00	1799.3	0.0
06/14/15	10:00:00	1799.1	0.0
06/14/15	11:00:00	1799.2	0.0
06/14/15	12:00:00	1799.3	0.0
06/14/15	13:00:00	1799.3	0.0
06/14/15	14:00:00	1799.3	0.0
06/14/15	15:00:00	1799.3	0.0
06/14/15	16:00:00	1799.3	0.0
06/14/15	17:00:00	1799.3	0.0
06/14/15	18:00:00	1799.3	0.0
06/14/15	19:00:00	1799.3	0.0
06/14/15	20:00:00	1799.3	0.0
06/14/15	21:00:00	1799.3	0.0
06/14/15	22:00:00	1799.3	0.0
06/14/15	23:00:00	1799.3	0.0
06/15/15	00:00:00	1799.3	0.0
06/15/15	01:00:00	1799.3	0.0
06/15/15	02:00:00	1799.3	0.0
06/15/15	03:00:00	1799.3	0.0
06/15/15	04:00:00	1799.3	0.0
06/15/15	05:00:00	1799.3	0.0
06/15/15	06:00:00	1799.3	0.0
06/15/15	07:00:00	1799.4	0.0
06/15/15	08:00:00	1799.3	0.0
06/15/15	09:00:00	1799.2	0.0
06/15/15	10:00:00	1799.1	0.0
06/15/15	11:00:00	1799.3	0.0
06/15/15	12:00:00	1799.3	0.0
06/15/15	13:00:00	1799.3	0.0
06/15/15	14:00:00	1799.3	0.0
06/15/15	15:00:00	1799.3	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
06/15/15	16:00:00	1799.3	0.0
06/15/15	17:00:00	1799.3	0.0
06/15/15	18:00:00	1799.3	0.0
06/15/15	19:00:00	1799.3	0.0
06/15/15	20:00:00	1799.3	0.0
06/15/15	21:00:00	1799.3	0.0
06/15/15	22:00:00	1799.3	0.0
06/15/15	23:00:00	1799.3	0.0
06/16/15	00:00:00	1799.3	0.0
06/16/15	01:00:00	1799.3	0.0
06/16/15	02:00:00	1799.3	0.0
06/16/15	03:00:00	1799.3	0.0
06/16/15	04:00:00	1799.3	0.0
06/16/15	05:00:00	1799.3	0.0
06/16/15	06:00:00	1799.3	0.0
06/16/15	07:00:00	1799.3	0.0
06/16/15	08:00:00	1799.3	0.0
06/16/15	09:00:00	1799.1	0.0
06/16/15	10:00:00	1799.1	0.0
06/16/15	11:00:00	1799.1	0.0
06/16/15	12:00:00	1799.3	0.0
06/16/15	13:00:00	1799.3	0.0
06/16/15	14:00:00	1799.3	0.0
06/16/15	15:00:00	1799.3	0.0
06/16/15	16:00:00	1799.1	0.0
06/16/15	17:00:00	1798.4	0.0
06/16/15	18:00:00	1798.3	0.0
06/16/15	19:00:00	1798.3	0.0
06/16/15	20:00:00	1798.3	0.0
06/16/15	21:00:00	1798.5	0.0
06/16/15	22:00:00	1799.3	0.0
06/16/15	23:00:00	1799.3	0.0
06/17/15	00:00:00	1799.3	0.0
06/17/15	01:00:00	1799.3	0.0
06/17/15	02:00:00	1799.3	0.0
06/17/15	03:00:00	1799.3	0.0
06/17/15	04:00:00	1799.3	0.0
06/17/15	05:00:00	1799.3	0.0
06/17/15	06:00:00	1799.3	0.0
06/17/15	07:00:00	1799.3	0.0
06/17/15	08:00:00	1799.3	0.0
06/17/15	09:00:00	1799.2	0.0
06/17/15	10:00:00	1799.3	0.0
06/17/15	11:00:00	1799.3	0.0
06/17/15	12:00:00	1799.3	0.0
06/17/15	13:00:00	1798.9	0.0
06/17/15	14:00:00	1799.0	0.0
06/17/15	15:00:00	1798.5	0.0
06/17/15	16:00:00	1798.4	0.0
06/17/15	17:00:00	1798.3	0.0
06/17/15	18:00:00	1798.3	0.0
06/17/15	19:00:00	1798.3	0.0
06/17/15	20:00:00	1798.3	0.0
06/17/15	21:00:00	1798.3	0.0
06/17/15	22:00:00	1798.7	0.0
06/17/15	23:00:00	1799.3	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
06/18/15	00:00:00	1799.3	0.0
06/18/15	01:00:00	1799.3	0.0
06/18/15	02:00:00	1799.3	0.0
06/18/15	03:00:00	1799.3	0.0
06/18/15	04:00:00	1799.3	0.0
06/18/15	05:00:00	1799.3	0.0
06/18/15	06:00:00	1799.3	0.0
06/18/15	07:00:00	1799.3	0.0
06/18/15	08:00:00	1799.3	0.0
06/18/15	09:00:00	1799.2	0.0
06/18/15	10:00:00	1799.3	0.0
06/18/15	11:00:00	1799.3	0.0
06/18/15	12:00:00	1798.9	0.0
06/18/15	13:00:00	1798.9	0.0
06/18/15	14:00:00	1799.2	0.0
06/18/15	15:00:00	1799.1	0.0
06/18/15	16:00:00	1799.0	0.0
06/18/15	17:00:00	1798.4	0.0
06/18/15	18:00:00	1798.5	0.0
06/18/15	19:00:00	1798.3	0.0
06/18/15	20:00:00	1798.6	0.0
06/18/15	21:00:00	1799.2	0.0
06/18/15	22:00:00	1799.3	0.0
06/18/15	23:00:00	1799.3	0.0
06/19/15	00:00:00	1799.3	0.0
06/19/15	01:00:00	1799.3	0.0
06/19/15	02:00:00	1799.3	0.0
06/19/15	03:00:00	1799.3	0.0
06/19/15	04:00:00	1799.3	0.0
06/19/15	05:00:00	1799.3	0.0
06/19/15	06:00:00	1799.3	0.0
06/19/15	07:00:00	1799.3	0.0
06/19/15	08:00:00	1799.3	0.0
06/19/15	09:00:00	1799.0	0.0
06/19/15	10:00:00	1799.2	0.0
06/19/15	11:00:00	1799.3	0.0
06/19/15	12:00:00	1799.3	0.0
06/19/15	13:00:00	1799.0	0.0
06/19/15	14:00:00	1799.0	0.0
06/19/15	15:00:00	1798.4	0.0
06/19/15	16:00:00	1798.5	0.0
06/19/15	17:00:00	1798.3	0.0
06/19/15	18:00:00	1798.3	0.0
06/19/15	19:00:00	1798.3	0.0
06/19/15	20:00:00	1798.3	0.0
06/19/15	21:00:00	1798.3	0.0
06/19/15	22:00:00	1799.2	0.0
06/19/15	23:00:00	1799.3	0.0
06/20/15	00:00:00	1799.3	0.0
06/20/15	01:00:00	1799.3	0.0
06/20/15	02:00:00	1799.3	0.0
06/20/15	03:00:00	1799.3	0.0
06/20/15	04:00:00	1799.3	0.0
06/20/15	05:00:00	1799.3	0.0
06/20/15	06:00:00	1799.3	0.0
06/20/15	07:00:00	1799.3	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
06/20/15	08:00:00	1799.3	0.0
06/20/15	09:00:00	1799.1	0.0
06/20/15	10:00:00	1799.3	0.0
06/20/15	11:00:00	1799.3	0.0
06/20/15	12:00:00	1798.9	0.0
06/20/15	13:00:00	1798.3	0.0
06/20/15	14:00:00	1798.3	0.0
06/20/15	15:00:00	1798.3	0.0
06/20/15	16:00:00	1798.3	0.0
06/20/15	17:00:00	1797.7	0.0
06/20/15	18:00:00	1797.3	0.0
06/20/15	19:00:00	1797.3	0.0
06/20/15	20:00:00	1797.3	0.0
06/20/15	21:00:00	1798.1	0.0
06/20/15	22:00:00	1798.3	0.0
06/20/15	23:00:00	1798.7	0.0
06/21/15	00:00:00	1799.2	0.0
06/21/15	01:00:00	1799.3	0.0
06/21/15	02:00:00	1799.3	0.0
06/21/15	03:00:00	1799.3	0.0
06/21/15	04:00:00	1799.3	0.0
06/21/15	05:00:00	1799.3	0.0
06/21/15	06:00:00	1799.3	0.0
06/21/15	07:00:00	1799.3	0.0
06/21/15	08:00:00	1799.3	0.0
06/21/15	09:00:00	1799.3	0.0
06/21/15	10:00:00	1799.3	0.0
06/21/15	11:00:00	1799.3	0.0
06/21/15	12:00:00	1799.1	0.0
06/21/15	13:00:00	1798.7	0.0
06/21/15	14:00:00	1798.7	0.0
06/21/15	15:00:00	1798.9	0.0
06/21/15	16:00:00	1799.0	0.0
06/21/15	17:00:00	1798.3	0.0
06/21/15	18:00:00	1798.3	0.0
06/21/15	19:00:00	1798.3	0.0
06/21/15	20:00:00	1798.3	0.0
06/21/15	21:00:00	1798.7	0.0
06/21/15	22:00:00	1799.3	0.0
06/21/15	23:00:00	1799.3	0.0
06/22/15	00:00:00	1799.3	0.0
06/22/15	01:00:00	1799.3	0.0
06/22/15	02:00:00	1799.3	0.0
06/22/15	03:00:00	1799.3	0.0
06/22/15	04:00:00	1799.3	0.0
06/22/15	05:00:00	1799.3	0.0
06/22/15	06:00:00	1799.3	0.0
06/22/15	07:00:00	1799.3	0.0
06/22/15	08:00:00	1799.3	0.0
06/22/15	09:00:00	1798.7	0.0
06/22/15	10:00:00	1799.2	0.0
06/22/15	11:00:00	1799.3	0.0
06/22/15	12:00:00	1799.0	0.0
06/22/15	13:00:00	1798.4	0.0
06/22/15	14:00:00	1798.3	0.0
06/22/15	15:00:00	1798.3	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
06/22/15	16:00:00	1798.3	0.0
06/22/15	17:00:00	1798.3	0.0
06/22/15	18:00:00	1798.2	0.0
06/22/15	19:00:00	1798.3	0.0
06/22/15	20:00:00	1798.3	0.0
06/22/15	21:00:00	1798.3	0.0
06/22/15	22:00:00	1798.4	0.0
06/22/15	23:00:00	1799.1	0.0
06/23/15	00:00:00	1799.3	0.0
06/23/15	01:00:00	1799.3	0.0
06/23/15	02:00:00	1799.3	0.0
06/23/15	03:00:00	1799.3	0.0
06/23/15	04:00:00	1799.3	0.0
06/23/15	05:00:00	1799.3	0.0
06/23/15	06:00:00	1799.3	0.0
06/23/15	07:00:00	1799.3	0.0
06/23/15	08:00:00	1799.3	0.0
06/23/15	09:00:00	1799.0	0.0
06/23/15	10:00:00	1799.0	0.0
06/23/15	11:00:00	1799.3	0.0
06/23/15	12:00:00	1798.9	0.0
06/23/15	13:00:00	1798.3	0.0
06/23/15	14:00:00	1798.3	0.0
06/23/15	15:00:00	1798.3	0.0
06/23/15	16:00:00	1798.3	0.0
06/23/15	17:00:00	1798.2	0.0
06/23/15	18:00:00	1797.4	0.0
06/23/15	19:00:00	1797.4	0.0
06/23/15	20:00:00	1798.0	0.0
06/23/15	21:00:00	1798.3	0.0
06/23/15	22:00:00	1798.3	0.0
06/23/15	23:00:00	1798.3	0.0
06/24/15	00:00:00	1798.8	0.0
06/24/15	01:00:00	1799.1	0.0
06/24/15	02:00:00	1799.3	0.0
06/24/15	03:00:00	1799.3	0.0
06/24/15	04:00:00	1799.3	0.0
06/24/15	05:00:00	1799.3	0.0
06/24/15	06:00:00	1799.3	0.0
06/24/15	07:00:00	1799.3	0.0
06/24/15	08:00:00	1799.2	0.0
06/24/15	09:00:00	1798.6	0.0
06/24/15	10:00:00	1798.6	0.0
06/24/15	11:00:00	1798.6	0.0
06/24/15	12:00:00	1798.3	0.0
06/24/15	13:00:00	1798.3	0.0
06/24/15	14:00:00	1798.3	0.0
06/24/15	15:00:00	1798.3	0.0
06/24/15	16:00:00	1798.1	0.0
06/24/15	17:00:00	1797.3	0.0
06/24/15	18:00:00	1797.3	0.0
06/24/15	19:00:00	1797.3	0.0
06/24/15	20:00:00	1797.3	0.0
06/24/15	21:00:00	1797.3	0.0
06/24/15	22:00:00	1797.9	0.0
06/24/15	23:00:00	1798.3	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
06/25/15	00:00:00	1798.3	0.0
06/25/15	01:00:00	1798.3	0.0
06/25/15	02:00:00	1798.4	0.0
06/25/15	03:00:00	1798.5	0.0
06/25/15	04:00:00	1799.0	0.0
06/25/15	05:00:00	1799.2	0.0
06/25/15	06:00:00	1799.2	0.0
06/25/15	07:00:00	1799.3	0.0
06/25/15	08:00:00	1799.2	0.0
06/25/15	09:00:00	1798.7	0.0
06/25/15	10:00:00	1798.3	0.0
06/25/15	11:00:00	1798.3	0.0
06/25/15	12:00:00	1798.0	0.0
06/25/15	13:00:00	1797.3	0.0
06/25/15	14:00:00	1797.3	0.0
06/25/15	15:00:00	1797.3	0.0
06/25/15	16:00:00	1797.3	0.0
06/25/15	17:00:00	1797.3	0.0
06/25/15	18:00:00	1797.2	0.0
06/25/15	19:00:00	1797.3	0.0
06/25/15	20:00:00	1797.3	0.0
06/25/15	21:00:00	1797.3	0.0
06/25/15	22:00:00	1797.3	0.0
06/25/15	23:00:00	1798.1	0.0
06/26/15	00:00:00	1798.3	0.0
06/26/15	01:00:00	1798.3	0.0
06/26/15	02:00:00	1798.3	0.0
06/26/15	03:00:00	1798.3	0.0
06/26/15	04:00:00	1798.3	0.0
06/26/15	05:00:00	1798.3	0.0
06/26/15	06:00:00	1798.4	0.0
06/26/15	07:00:00	1798.9	0.0
06/26/15	08:00:00	1798.9	0.0
06/26/15	09:00:00	1798.3	0.0
06/26/15	10:00:00	1798.3	0.0
06/26/15	11:00:00	1798.3	0.0
06/26/15	12:00:00	1798.0	0.0
06/26/15	13:00:00	1797.3	0.0
06/26/15	14:00:00	1797.3	0.0
06/26/15	15:00:00	1797.3	0.0
06/26/15	16:00:00	1797.3	0.0
06/26/15	17:00:00	1797.3	0.0
06/26/15	18:00:00	1796.8	0.0
06/26/15	19:00:00	1797.3	0.0
06/26/15	20:00:00	1797.3	0.0
06/26/15	21:00:00	1797.3	0.0
06/26/15	22:00:00	1797.9	0.0
06/26/15	23:00:00	1798.3	0.0
06/27/15	00:00:00	1798.3	0.0
06/27/15	01:00:00	1798.3	0.0
06/27/15	02:00:00	1798.3	0.0
06/27/15	03:00:00	1798.3	0.0
06/27/15	04:00:00	1798.3	0.0
06/27/15	05:00:00	1798.3	0.0
06/27/15	06:00:00	1798.3	0.0
06/27/15	07:00:00	1798.3	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
06/27/15	08:00:00	1798.4	0.0
06/27/15	09:00:00	1798.5	0.0
06/27/15	10:00:00	1798.6	0.0
06/27/15	11:00:00	1798.3	0.0
06/27/15	12:00:00	1798.3	0.0
06/27/15	13:00:00	1798.3	0.0
06/27/15	14:00:00	1798.1	0.0
06/27/15	15:00:00	1798.0	0.0
06/27/15	16:00:00	1797.9	0.0
06/27/15	17:00:00	1797.5	0.0
06/27/15	18:00:00	1797.4	0.0
06/27/15	19:00:00	1797.3	0.0
06/27/15	20:00:00	1797.3	0.0
06/27/15	21:00:00	1797.8	0.0
06/27/15	22:00:00	1798.3	0.0
06/27/15	23:00:00	1798.3	0.0
06/28/15	00:00:00	1798.3	0.0
06/28/15	01:00:00	1798.3	0.0
06/28/15	02:00:00	1798.3	0.0
06/28/15	03:00:00	1798.3	0.0
06/28/15	04:00:00	1798.3	0.0
06/28/15	05:00:00	1798.3	0.0
06/28/15	06:00:00	1798.3	0.0
06/28/15	07:00:00	1798.3	0.0
06/28/15	08:00:00	1798.3	0.0
06/28/15	09:00:00	1798.3	0.0
06/28/15	10:00:00	1798.3	0.0
06/28/15	11:00:00	1798.3	0.0
06/28/15	12:00:00	1798.1	0.0
06/28/15	13:00:00	1797.8	0.0
06/28/15	14:00:00	1797.9	0.0
06/28/15	15:00:00	1797.4	0.0
06/28/15	16:00:00	1797.7	0.0
06/28/15	17:00:00	1797.3	0.0
06/28/15	18:00:00	1797.3	0.0
06/28/15	19:00:00	1797.3	0.0
06/28/15	20:00:00	1797.3	0.0
06/28/15	21:00:00	1797.3	0.0
06/28/15	22:00:00	1798.2	0.0
06/28/15	23:00:00	1798.3	0.0
06/29/15	00:00:00	1798.3	0.0
06/29/15	01:00:00	1798.3	0.0
06/29/15	02:00:00	1798.3	0.0
06/29/15	03:00:00	1798.3	0.0
06/29/15	04:00:00	1798.3	0.0
06/29/15	05:00:00	1798.3	0.0
06/29/15	06:00:00	1798.3	0.0
06/29/15	07:00:00	1798.3	0.0
06/29/15	08:00:00	1798.3	0.0
06/29/15	09:00:00	1798.3	0.0
06/29/15	10:00:00	1798.3	0.0
06/29/15	11:00:00	1798.3	0.0
06/29/15	12:00:00	1798.1	0.0
06/29/15	13:00:00	1797.4	0.0
06/29/15	14:00:00	1797.4	0.0
06/29/15	15:00:00	1797.3	0.0

Attachment 4b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
06/29/15	16:00:00	1797.3	0.0
06/29/15	17:00:00	1797.3	0.0
06/29/15	18:00:00	1797.3	0.0
06/29/15	19:00:00	1797.3	0.0
06/29/15	20:00:00	1797.3	0.0
06/29/15	21:00:00	1797.3	0.0
06/29/15	22:00:00	1797.3	0.0
06/29/15	23:00:00	1797.3	0.0
06/30/15	00:00:00	1797.3	0.0
06/30/15	01:00:00	1797.5	0.0
06/30/15	02:00:00	1798.2	0.0
06/30/15	03:00:00	1798.3	0.0
06/30/15	04:00:00	1798.3	0.0
06/30/15	05:00:00	1798.3	0.0
06/30/15	06:00:00	1798.3	0.0
06/30/15	07:00:00	1798.3	0.0
06/30/15	08:00:00	1798.3	0.0
06/30/15	09:00:00	1798.3	0.0
06/30/15	10:00:00	1798.1	0.0
06/30/15	11:00:00	1797.3	0.0
06/30/15	12:00:00	1797.3	0.0
06/30/15	13:00:00	1797.3	0.0
06/30/15	14:00:00	1797.2	0.0
06/30/15	15:00:00	1796.6	0.0
06/30/15	16:00:00	1796.5	0.0
06/30/15	17:00:00	1796.4	0.0
06/30/15	18:00:00	1796.4	0.0
06/30/15	19:00:00	1796.3	0.0
06/30/15	20:00:00	1796.3	0.0
06/30/15	21:00:00	1796.5	0.0
06/30/15	22:00:00	1796.5	0.0
06/30/15	23:00:00	1797.2	0.0
07/01/15	00:00:00	1797.3	0.0

Notes:

1) Data are missing on 3/08/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
2) Data are missing on 4/03/15 at 08:00:00 hours because the DAS data recording system was down. No data was being recorded during this period.
3) Data are missing on 5/16/15 from 08:00:00 hours to 12:00:00 hours due to an accidental shutdown of the data acquisition program.
4) Data are missing on 5/30/15 from 05:38 hours to 06:48 hours due to site power being out. Data indicated for 05:00:00 hours and 06:00:00 are only partial due to the timing of the power outage.
5) Data are missing on 6/03/15 at 08:00:00 hours becausee the wellhead tubing gauge was out of service while running the pressure/temperature recorder to the bottom of the well.
6) Data are missing from 6/05/15 at 10:00:00 hours to 6/06/15 at 08:00:00 hours and from 6/09/15 at 09:00:00 hours to 6/11/15 at 18:00:00 hours due to the transition to a new Data Acquisition System.

ATTACHMENT 5

Wellhead Tubing and Casing Annulus Data for Piacentine 1-27 Well

Attachment 5 - Continuous Monitoring Device Data for Piacentine 1-27 - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min)	Number of Data Points	Piacentine 1-27 Well											
						PIT-016A (PSIG) Tubing Pressure			PIT-016B (PSIG) Annulus Pressure			TIT-016A (°F) Tubing Temperature			TIT-016B (°F) Annulus Temperature		
						Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150113	01/13/15	14:23:01	23:59:56	09:36:55	6863	0.0	-0.6	0.4	-0.6	-1.0	-0.1						
CAES150114	01/14/15	00:00:01	23:59:56	23:59:55	14498	0.1	-0.5	0.4	-0.8	-1.0	-0.1	70.7	-35.3	73.8	72.1	69.9	72.1
CAES150115	01/15/15	00:00:01	23:59:56	23:59:55	17280	0.3	0.2	0.3	-1.0	-1.0	-0.9	73.8	73.8	73.8	72.1	72.1	72.1
CAES150116	01/16/15	00:00:01	09:52:26	09:52:25	7110	0.3	0.2	0.4	-1.0	-1.0	-0.9	73.8	73.8	73.8	72.1	72.1	72.1
	01/17/15					-14.7	-14.7	-14.7	-14.7	-14.7	-14.7						
	01/18/15					-14.7	-14.7	-14.7	-14.7	-14.7	-14.7						
CAES150119	01/19/15	10:59:06	23:59:56	13:00:50	9215	0.2	0.1	0.3	-1.0	-1.0	-0.9	73.8	73.8	73.8	72.1	72.1	72.1
CAES150120	01/20/15	00:00:01	23:59:56	23:59:55	17277	0.2	0.1	0.3	-0.7	-1.0	-0.1	53.9	12.6	73.8	53.3	14.5	72.1
CAES150121	01/21/15	00:00:01	23:59:56	23:59:55	16971	0.2	-0.5	0.5	985.9	-0.2	2988.5	49.4	12.6	124.3	49.4	14.5	120.4
CAES150122	01/22/15	00:00:00	23:59:55	23:59:55	17247	-1.1	-14.7	764.4	2667.8	-14.7	2992.4	122.9	0.0	124.4	119.1	0.0	120.5
CAES150123	01/23/15	00:00:00	23:59:55	23:59:55	17241	1.3	-0.2	3.1	1133.8	-0.7	2988.3	47.2	0.0	124.3	45.8	0.0	120.4
CAES150124	01/24/15	00:00:00	07:28:10	07:28:10	5379	2.2	2.1	2.9	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CAES150125	01/25/15					0.0	0.0	0.0	0.0	0.0	0.0						
CAES150126	01/26/15	08:28:45	23:59:55	15:31:10	11175	2.4	1.3	3.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CAES150127	01/27/15	00:00:00	16:59:00	16:59:00	12229	777.7	2.1	1686.5	3.9	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0
CAES150128	01/28/15					0.0	0.0	0.0	0.0	0.0	0.0						
CAES150129	01/29/15	07:46:05	23:59:55	16:13:50	11215	1678.6	1676.0	1681.7	17.8	16.8	19.2	62.8	51.8	76.5	60.2	55.3	67.0
CAES150130	01/30/15	00:00:00	16:40:50	16:40:50	11837	1682.6	1676.8	1686.5	17.1	15.4	18.5	54.3	39.1	77.1	56.7	50.0	67.4
CAES150131	01/31/15	15:36:35	23:59:55	08:23:20	6035	1663.5	1656.2	1666.6	111.1	19.1	2988.3	63.1	51.8	81.9	60.4	55.9	70.0
CAES150201	02/01/15	00:00:00	23:59:55	23:59:55	17280	1617.0	1577.9	1656.3	19.5	19.1	20.6	58.2	48.3	75.2	58.3	53.3	66.0
CAES150202	02/02/15	00:00:00	23:59:55	23:59:55	15827	1542.0	1504.5	1578.0	19.6	19.1	20.8	57.7	48.9	73.5	58.1	53.8	65.2
CAES150203	02/03/15	00:00:00	23:59:55	23:59:55	17280	1520.9	1473.0	1608.0	19.1	17.6	20.6	61.6	51.5	80.6	60.2	55.4	69.8
CAES150204	02/04/15	00:00:00	23:59:55	23:59:55	17280	1667.2	1608.0	1686.4	18.8	18.1	19.9	53.4	42.3	68.7	55.6	50.7	62.5
CAES150205	02/05/15	00:00:00	23:59:55	23:59:55	17207	1686.3	1686.2	1686.5	19.6	19.2	20.1	50.3	43.3	58.2	53.6	50.3	56.9
CAES150206	02/06/15	00:00:00	23:59:55	23:59:55	16349	1686.3	1686.2	1686.4	20.6	19.9	21.4	57.1	49.1	65.0	56.3	53.0	59.9
CAES150207	02/07/15	00:00:00	23:59:55	23:59:55	17280	1686.3	1686.2	1688.6	21.5	20.5	23.5	61.1	55.9	71.2	59.1	55.9	64.4
CAES150208	02/08/15	00:00:00	23:59:55	23:59:55	17280	1686.3	1686.2	1687.1	22.0	21.3	22.8	60.0	56.3	64.9	59.1	57.2	60.9
CAES150209	02/09/15	00:00:00	23:59:55	23:59:55	17280	1686.5	1686.2	1687.1	22.4	22.0	23.5	64.1	48.4	81.9	60.2	54.0	69.8
CAES150210	02/10/15	00:00:00	23:59:55	23:59:55	17268	1686.9	1686.2	1689.0	43.2	0.0	86.2	55.1	41.9	73.2	55.9	49.6	65.1
CAES150211	02/11/15	00:00:00	23:59:55	23:59:55	17280	1687.5	1686.8	1687.9	84.1	82.8	85.3	57.5	38.5	81.7	56.7	47.3	69.3
CAES150212	02/12/15	00:00:00	23:59:55	23:59:55	17280	1687.7	1686.8	1688.4	83.0	82.0	84.6	62.4	42.9	88.7	59.4	49.9	74.1
CAES150213	02/13/15	00:00:00	23:59:55	23:59:55	17280	1688.0	1686.8	1689.9	81.9	80.6	83.0	62.9	43.5	90.7	60.4	50.9	75.9
CAES150214	02/14/15	00:00:00	23:59:55	23:59:55	16079	1692.0	1687.7	1700.1	80.9	79.9	82.4	63.6	43.3	90.8	61.0	51.0	76.4
CAES150215	02/15/15	00:00:00	23:59:55	23:59:55	17280	1701.5	1697.9	1703.1	80.1	79.3	81.6	62.4	44.5	86.7	60.3	51.6	73.0
CAES150216	02/16/15	00:00:00	23:59:55	23:59:55	17280	1704.0	1702.9	1705.4	79.1	77.9	80.1	63.3	43.8	89.6	61.0	51.2	76.0
CAES150217	02/17/15	00:00:00	23:59:55	23:59:55	17280	1698.9	1693.5	1706.7	77.9	77.1	78.7	57.5	47.0	77.2	58.3	53.5	70.5
CAES150218	02/18/15	00:00:00	23:59:55	23:59:55	17198	1693.3	1692.0	1697.2	76.8	75.8	78.0	58.1	45.2	77.4	57.2	50.9	68.2
CAES150219	02/19/15	00:00:00	23:59:55	23:59:55	17243	1701.4	1694.1	1705.3	75.9	75.7	76.4	53.2	46.5	58.5	55.4	52.6	58.0
CAES150220	02/20/15	00:00:00	23:59:55	23:59:55	16689	1703.5	1697.9	1706.2	75.3	74.2	76.4	58.5	48.5	78.8	58.3	53.2	70.5
CAES150221	02/21/15	00:00:00	23:59:55	23:59:55	17280	1707.4	1705.2	1708.4	74.5	73.4	75.0	55.6	46.5	75.1	56.6	52.6	68.1
CAES150222	02/22/15	00:00:00	23:59:55	23:59:55	17280	1708.9	1708.1	1710.5	73.9	72.8	74.9	56.1	43.6	74.4	56.6	49.6	69.5
CAES150223	02/23/15	00:00:00	23:59:55	23:59:55	17280	1712.4	1709.6	1717.7	73.1	72.0	74.3	54.3	40.3	75.6	54.8	46.6	69.2
CAES150224	02/24/15	00:00:00	23:59:55	23:59:55	17280	1720.9	1717.0	1726.7	72.5	71.3	74.3	55.3	32.8	86.7	55.0	43.1	73.2
CAES150225	02/25/15	00:00:00	23:59:55	23:59:55	17280	1724.8	1715.6	1728.8	72.3	71.3	73.6	55.7	34.9	80.0	55.9	45.1	70.9
CAES150226	02/26/15	00:00:00	23:59:55	23:59:55	17280	1729.8	1721.3	1733.2	72.0	71.2	73.5	58.9	39.7	82.9	58.6	48.0	74.7
CAES150227	02/27/15	00:00:00	23:59:55	23:59:55	17274	1735.7	1732.3	1739.0	71.8	70.5	73.0	60.1	50.2	75.9	59.5	53.3	72.5
CAES150228	02/28/15	00:00:00	23:59:55	23:59:55	17280	1741.0	1738.3	1744.1	71.2	70.5	72.0	57.0	46.6	76.6	57.3	51.4	70.2
CAES150301	03/01/15	00:00:00	23:59:55	23:59:55	17280	1743.3	1740.3	1747.0	71.0	69.7	72.9	58.4	38.9	84.4	57.9	47.8	74.1
CAES150302	03/02/15	00:00:00	23:59:55	23:59:55	17280	1748.3	1746.4	1750.8	70.6	69.6	72.0	55.2	44.7	79.1	56.6	50.5	70.4
CAES150303	03/03/15	00:00:00	23:59:55	23:59:55	17280	1745.0	1736.9	1752.1	70.2	69.1	71.3	55.7	38.4	78.9	56.9	46.9	72.7
CAES150304	03/04/15	00:00:00	23:59:55	23:59:55	17280	1751.9	1746.9	1755.1	70.2	69.1	71.3	59.7	37.0	87.4	58.3	46.7	75.5
CAES150305	03/05/15	00:00:00	23:59:55	23:59:55	17280	1757.1	1755.0	1759.7	70.1	69.1	71.3	60.9	37.0	89.8	59.3	47.3	77.2
CAES150306	03/06/15	00:00:00	23:59:55	23:59:55	17280	1761.0	1758.7	1763.1	70.0	69.2	71.3	62.0	38.9	90.0	60.6	48.8	78.8
CAES150307	03/07/15	00:00:00	23:59:55	23:59:55	17280	1764.3	1762.4	1766.1	70.0	69.1	71.4	66.3	42.0	96.7	62.6	50.4	80.8
CAES150308	03/08/15	00:00:00	23:59:55	23:59:55	16560	1767.5	1765.4	1769.1	70.0	69.0	71.3	66.0	42.9	93.2	63.5	51.3	81.3
CAES150309	03/09/15	00:00:00	23:59:55	23:59:55	17280	1770.5	1769.1	1772.0	70.0	69.1	71.3	68.2	45.1	97.0	64.6	52.8	82.1
CAES150310	03/10/15	00:00:00	23:59:55	23:59:55	17280	1772.8	1771.1	1775.7	69.8	69.1	71.7	64.0	46.4	87.0	63.0	53.9	74.1
CAES150311	03/11/15	00:00:00	23:59:55	23:59:55	17280	1776.4	1773.4	1777.9	69.4	69.1	70.6	60.2	54.2	71.6	60.2	57.2	65.1
CAES150312	03/12/15	00:00:00	23:59:55	23:59:55	17280	1779.4	1777.6	1782.3	69.5	68.2	70.6	64.6	46.7	86.1	62.7	52.4	76.9
CAES150313	03/13/15	00:00:00	23:59:55	23:59:55	17280	1782.5	1778.5	1785.9	69.7	68.3	71.3	70.6	50.2	96.3	66.3	55.4	81.8
CAES150314	03/14/15	00:00:00	23:59:55	23:59:55	17069	1785.7	1782.7	1788.2	70.0	69.1	71.4	74.5	55.2	98.8	69.6	59.3	86.1
CAES150315	03/15/15	00:00:00	23:59:55	23:59:55	17280	1784.5	1781.3	1785.9	69.8	69.1	71.3	70.1	57.0	89.9	67.9	60.2	79.9
CAES150316	03/16/15	00:00:00	23:59:55	23:59:55	17280	1787.3	1784.2	1790.9	69.4	68.2	70.6	63.5	51.5	82.8	63.5	56.6	74.1
CAES150317	03/17/15	00:00:00	23:59:55	23:59:55	17280	1793.5	1790.8	1795.6	69.6	68.3	70.7	67.5	54.3	87.2	66.2	58.1	81.3
CAES150318	03/18/15	00:00:00	23:59:55	23:59:55	17280	1794.9	1793.8	1796.8	69.4	68.2	70.6	66.7	47.6	90.4	65.4	54.6	82.6
CAES150319	03/19/15	00:00:00	23:59:55	23:59:55	17280	1794.4	1792.3	1795.4	69.5	68.2	71.4	70.0	46.5	97.3	66.7	54.4	85.4
CAES150320	03/20/15	00:00:00	23:59:55	23:59:55	17238	1796.1	1793.8	1797.5	69.2	68.2	70.7	63.4	46.2	83.8	63.7	54.9	75.9
CAES150321	03/21/15	00:00:00	23:59:55	23:59:55	17280	1798.7	1797.4	1799.9	69.4	68.2	70.6	68.2	51.5	90.2	66.1	56.5	79.8
CAES150322	03/22/15	00:00:00	23:59:55	23:59:55	17280	1800.9	1799.7	1802.0	69.4	68.2	70.6	65.1	53.5	82.5	64.9	58.3	76.1
CAES150323	03/23/15	00:00:00	23:59:55	23:59:55	17280	1802.7	1801.9	1804.2	69.2	68.2	69.7	63.1	49.9	82.0	63.5	55.9	77.9
CAES150324	03/24/15	00:00:00	23:59:55	23:59:55	17280	1804.6	1803.3	1805.6	69.0	68.1	70.5	62.8	51.0	80.7	63.0	55.5	74.3
CAES150325	03/25/15	00:00:00	23:59:55	23:59:55	17280	1802.7	1797.5	1806.5	69.2	68.2	70.6	70.0	49.5	96.3	66.6	55.2	84.5

Attachment 5 - Continuous Monitoring Device Data for Piacentine 1-27 - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min)	Number of Data Points	Piacentine 1-27 Well											
						PIT-016A (PSIG) Tubing Pressure			PIT-016B (PSIG) Annulus Pressure			TIT-016A (°F) Tubing Temperature			TIT-016B (°F) Annulus Temperature		
						Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150326	03/26/15	00:00:00	23:59:55	23:59:55	17280	1810.3	1804.1	1814.5	69.7	68.2	71.3	75.1	49.7	106.3	70.0	56.8	88.9
CAES150327	03/27/15	00:00:00	23:59:55	23:59:55	17280	1817.3	1814.4	1820.2	70.0	69.1	71.4	72.2	53.0	96.2	70.4	59.6	87.8
CAES150328	03/28/15	00:00:00	23:59:55	23:59:55	17280	1821.6	1819.4	1823.9	69.8	69.1	71.4	70.4	51.8	96.1	69.1	57.9	88.2
CAES150329	03/29/15	00:00:00	23:59:55	23:59:55	17280	1822.0	1821.0	1823.3	70.0	68.2	71.4	72.7	48.2	100.0	70.2	56.4	90.2
CAES150330	03/30/15	00:00:00	23:59:55	23:59:55	17280	1726.2	(1)	1827.5	70.0	68.2	71.3	69.7	47.8	97.4	69.0	56.8	86.9
CAES150331	03/31/15	00:00:00	23:59:55	23:59:55	17280	1827.1	1826.0	1828.4	69.9	69.1	70.6	66.7	54.7	83.3	67.0	58.6	80.6
CAES150401	04/01/15	00:00:00	23:59:55	23:59:55	17280	1821.8	1814.4	1829.2	69.3	68.1	70.6	61.3	43.8	82.1	63.0	52.9	78.5
CAES150402	04/02/15	00:00:00	23:59:55	23:59:55	17280	1811.0	1808.6	1814.5	69.1	67.9	70.6	63.0	48.4	83.0	64.0	53.6	80.8
CAES150403	04/03/15	00:00:00	23:59:55	23:59:55	16140	1813.4	1806.5	1822.5	69.5	67.9	71.3	65.3	43.6	91.1	65.5	52.8	84.1
CAES150404	04/04/15	00:00:00	23:59:55	23:59:55	17280	1274.8	(2)	1826.2	69.7	68.2	72.1	60.4	42.8	84.2	62.4	52.7	78.2
CAES150405	04/05/15	00:00:00	23:59:55	23:59:55	17280	1824.7	1822.4	1826.9	69.3	68.2	70.6	55.3	46.1	67.2	57.9	53.3	65.4
CAES150406	04/06/15	00:00:00	23:59:55	23:59:55	17280	1828.3	1826.0	1829.9	69.2	68.2	70.7	57.2	38.0	76.4	58.7	48.1	71.3
CAES150407	04/07/15	00:00:00	23:59:55	23:59:55	17280	1831.2	1829.8	1832.7	68.9	68.2	69.8	52.4	46.0	66.0	54.2	49.6	62.2
CAES150408	04/08/15	00:00:00	23:59:55	23:59:55	17280	1834.1	1832.6	1835.8	69.0	68.2	70.7	57.0	41.2	79.3	57.3	48.7	72.1
CAES150409	04/09/15	00:00:00	23:59:55	23:59:55	17280	1837.1	1835.7	1838.6	69.5	68.2	70.7	62.9	40.1	89.0	61.0	49.6	77.3
CAES150410	04/10/15	00:00:00	23:59:55	23:59:55	17280	1837.3	1837.0	1837.9	70.0	69.1	71.4	65.1	44.4	89.9	63.7	52.7	80.5
CAES150411	04/11/15	00:00:00	23:59:55	23:59:55	17280	1838.3	1837.1	1839.3	70.1	69.1	71.3	65.7	46.0	91.6	64.5	53.6	81.7
CAES150412	04/12/15	00:00:00	23:59:55	23:59:55	17280	1839.1	1837.1	1840.1	70.4	69.1	72.0	70.0	48.0	95.9	67.0	54.5	85.0
CAES150413	04/13/15	00:00:00	23:59:55	23:59:55	17280	1840.7	1839.2	1842.2	70.6	69.1	72.0	65.9	47.5	85.9	65.8	55.6	80.5
CAES150414	04/14/15	00:00:00	23:59:55	23:59:55	17280	1843.9	1841.4	1846.7	70.5	69.2	72.0	61.4	44.7	78.7	62.1	52.1	76.3
CAES150415	04/15/15	00:00:00	23:59:55	23:59:55	17280	1848.5	1845.9	1850.3	71.0	69.6	72.8	64.7	46.7	86.8	63.8	52.4	80.8
CAES150416	04/16/15	00:00:00	23:59:55	23:59:55	17280	1847.9	1840.0	1852.0	71.8	69.8	73.4	71.1	43.8	99.5	67.4	52.6	87.1
CAES150417	04/17/15	00:00:00	23:59:55	23:59:55	17280	1836.0	1832.7	1840.1	72.5	70.9	74.3	73.2	47.2	100.1	70.0	55.8	89.0
CAES150418	04/18/15	00:00:00	23:59:55	23:59:55	14138	1835.2	1831.2	1840.2	73.5	71.8	74.9	74.5	50.4	103.9	71.1	58.1	90.3
CAES150419	04/19/15	00:00:00	23:59:55	23:59:55	17280	1842.9	1840.0	1845.2	74.3	72.8	75.8	72.3	52.5	101.2	70.8	59.4	89.7
CAES150420	04/20/15	00:00:00	23:59:55	23:59:55	17280	1846.6	1844.4	1849.6	74.9	73.4	76.4	66.0	51.9	86.1	67.0	57.7	82.4
CAES150421	04/21/15	00:00:00	23:59:55	23:59:55	17280	1850.7	1848.7	1852.5	75.6	74.3	77.3	64.1	51.6	82.4	65.0	56.5	78.2
CAES150422	04/22/15	00:00:00	23:59:55	23:59:55	17280	1853.9	1852.4	1855.4	76.9	74.9	78.7	67.8	48.7	95.0	67.2	56.5	83.9
CAES150423	04/23/15	00:00:00	23:59:55	23:59:55	17280	1857.2	1855.3	1859.1	78.4	76.3	80.1	68.5	50.4	91.4	68.5	58.2	84.1
CAES150424	04/24/15	00:00:00	23:59:55	23:59:55	16748	1855.4	1850.2	1859.1	79.3	77.8	81.0	65.5	55.2	80.7	66.5	59.0	79.2
CAES150425	04/25/15	00:00:00	23:59:55	23:59:55	17280	1859.6	1856.8	1862.0	80.2	78.6	81.5	64.0	52.9	81.5	63.7	56.3	76.5
CAES150426	04/26/15	00:00:00	23:59:55	23:59:55	17280	1863.2	1861.2	1864.9	81.8	80.0	83.9	67.8	49.1	90.5	66.2	54.9	83.1
CAES150427	04/27/15	00:00:00	23:59:55	23:59:55	17280	1866.0	1864.2	1867.2	84.0	82.4	86.0	78.5	53.7	108.6	72.2	58.6	91.3
CAES150428	04/28/15	00:00:00	23:59:55	23:59:55	17280	1868.3	1867.1	1869.3	85.8	83.8	87.6	74.6	52.6	98.6	72.5	60.3	89.5
CAES150429	04/29/15	00:00:00	23:59:55	23:59:55	17280	1444.4	(3)	1871.0	69.2	(3)	88.2	72.6	48.7	99.0	71.3	58.2	89.5
CAES150430	04/30/15	00:00:00	23:59:55	23:59:55	17280	1838.3	(4)	1862.9	89.0	86.7	91.3	79.0	52.3	110.1	73.8	60.2	92.9
CAES150501	05/01/15	00:00:00	23:59:55	23:59:55	17280	1854.8	1845.8	1860.6	92.6	89.5	95.7	78.6	53.0	108.3	75.0	61.5	94.5
CAES150502	05/02/15	00:00:00	23:59:55	23:59:55	17280	1840.5	1834.9	1845.9	97.7	94.2	100.6	74.2	54.1	100.3	73.0	61.9	90.5
CAES150503	05/03/15	00:00:00	23:59:55	23:59:55	17280	1836.2	1832.7	1841.4	102.2	99.2	105.1	67.1	50.2	89.0	68.8	59.1	84.3
CAES150504	05/04/15	00:00:00	23:59:55	23:59:55	17280	1840.7	1835.6	1846.2	108.4	104.3	111.7	66.4	49.4	88.7	67.6	56.9	84.0
CAES150505	05/05/15	00:00:00	23:59:55	23:59:55	17280	1831.5	1817.3	1836.4	113.5	110.2	116.0	66.2	42.9	92.6	68.0	55.9	85.0
CAES150506	05/06/15	00:00:00	23:59:55	23:59:55	17280	1826.5	1809.2	1840.7	116.1	113.8	118.3	67.7	44.8	91.7	68.7	56.3	85.5
CAES150507	05/07/15	00:00:00	23:59:55	23:59:55	17280	1819.6	1802.6	1834.2	118.4	115.9	119.8	63.6	53.9	77.4	65.4	60.0	72.9
CAES150508	05/08/15	00:00:00	23:59:55	23:59:55	17280	1814.8	1798.3	1829.1	123.0	119.0	126.3	67.9	44.7	92.3	68.0	55.7	84.6
CAES150509	05/09/15	00:00:00	23:59:55	23:59:55	17280	1821.3	1817.2	1825.4	129.3	125.6	132.3	69.9	50.3	93.4	69.8	58.5	86.6
CAES150510	05/10/15	00:00:00	23:59:55	23:59:55	17280	1819.5	1818.6	1820.3	135.1	131.4	138.2	70.7	46.6	98.1	70.4	57.7	88.4
CAES150511	05/11/15	00:00:00	23:59:55	23:59:55	17242	1819.6	1818.0	1825.4	138.6	137.2	140.3	66.6	48.2	88.6	69.1	58.8	84.8
CAES150512	05/12/15	00:00:00	23:59:55	23:59:55	17256	1825.4	1809.9	1832.0	140.2	138.0	142.5	65.1	48.8	87.1	67.2	57.2	83.1
CAES150513	05/13/15	00:00:00	23:59:55	23:59:55	17280	1821.4	1802.6	1831.3	143.4	140.9	145.5	64.8	48.4	84.3	67.1	57.9	81.2
CAES150514	05/14/15	00:00:00	23:59:55	23:59:55	17268	1818.3	1791.7	1831.3	146.2	143.7	148.3	62.0	48.2	85.4	65.5	58.2	77.4
CAES150515	05/15/15	00:00:00	23:59:55	23:59:55	17280	1813.3	1788.0	1828.4	149.7	147.5	152.0	66.8	48.6	87.4	68.2	57.5	83.8
CAES150516	05/16/15	00:00:00	23:59:55	23:59:55	12844	1810.3	1807.1	1812.2	151.5	149.6	153.6	69.2	48.1	94.4	70.9	58.3	86.8
CAES150517	05/17/15	00:00:00	23:59:55	23:59:55	17280	1812.2	1811.4	1813.1	152.2	150.4	154.2	64.2	50.0	84.4	67.4	60.0	81.0
CAES150518	05/18/15	00:00:00	23:59:55	23:59:55	17280	1812.3	1812.0	1813.2	154.2	152.7	155.7	66.9	52.3	86.6	68.8	60.4	83.3
CAES150519	05/19/15	00:00:00	23:59:55	23:59:55	17280	1812.0	1811.4	1813.0	157.1	154.1	159.3	67.6	47.1	91.2	69.3	58.3	85.9
CAES150520	05/20/15	00:00:00	23:59:55	23:59:55	17280	1811.6	1811.3	1812.2	159.6	157.7	161.5	66.8	48.1	88.3	68.9	59.2	82.9
CAES150521	05/21/15	00:00:00	23:59:55	23:59:55	17280	1814.9	1810.6	1821.8	161.5	159.3	163.6	66.8	51.9	87.4	68.3	59.8	82.3
CAES150522	05/22/15	00:00:00	23:59:55	23:59:55	17280	1825.5	1821.7	1829.1	164.9	162.2	167.4	68.3	52.3	89.3	69.5	60.6	84.3
CAES150523	05/23/15	00:00:00	23:59:55	23:59:55	17280	1834.3	1829.0	1838.6	168.1	165.7	170.2	71.1	52.4	94.1	71.0	61.2	85.6
CAES150524	05/24/15	00:00:00	23:59:55	23:59:55	17280	1841.8	1838.5	1845.2	171.0	168.7	173.3	72.3	52.6	97.8	72.4	61.4	88.6
CAES150525	05/25/15	00:00:00	23:59:55	23:59:55	17280	1847.6	1845.1	1849.7	172.9	170.9	174.8	69.3	51.1	91.6	70.8	61.1	85.9
CAES150526	05/26/15	00:00:00	23:59:55	23:59:55	17280	1848.7	1843.7	1852.6	174.8	172.3	176.8	68.9	51.5	91.3	70.0	59.8	85.3
CAES150527	05/27/15	00:00:00	23:59:55	23:59:55	17042	1851.3	1846.6	1854.8	176.8	174.6	178.9	70.3	51.8	93.8	70.8	60.0	86.5
CAES150528	05/28/15	00:00:00	23:59:55	23:59:55	17280	1854.9	1850.2	1858.5	178.8	176.8	180.6	73.2	48.3	100.4	72.5	60.3	88.0
CAES150529	05/29/15	00:00:00	23:59:55	23:59:55	17280	1858.1	1853.1	1861.4	180.9	178.3	183.4	75.6	48.5	103.3	74.2	60.8	90.7
CAES150530	05/30/15	00:00:00	23:59:55	23:59:55	16436	1846.1	1822.4	1860.6	182.9	180.5	185.1	75.4	51.4	103.5	74.8	62.5	90.7
CAES150531	05/31/15	00:00:00	23:59:55	23:59:55	17280	1800.4	1782.2	1822.5	183.6	181.9	185.0	69.3	52.1	88.6	71.2	62.8	82.5

Attachment 5 - Continuous Monitoring Device Data for Piacentine 1-27 - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min)	Number of Data Points	Piacentine 1-27 Well											
						PIT-016A (PSIG) Tubing Pressure			PIT-016B (PSIG) Annulus Pressure			TIT-016A (°F) Tubing Temperature			TIT-016B (°F) Annulus Temperature		
						Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150601	06/01/15	00:00:00	23:59:55	23:59:55	17280	1770.6	1759.5	1782.3	184.6	182.6	186.5	71.6	53.3	93.4	71.6	62.0	85.5
CAES150602	06/02/15	00:00:00	23:59:55	23:59:55	17280	1784.4	1771.9	1788.0	186.5	184.9	188.6	74.5	54.2	98.2	73.9	63.4	88.2
CAES150603	06/03/15	00:00:00	23:59:55	23:59:55	17280	1785.4	1771.8	1792.4	187.5	185.5	189.3	71.4	52.7	93.3	73.3	63.6	84.4
CAES150604	06/04/15	00:00:00	23:59:55	23:59:55	17280	1782.3	1769.0	1788.8	188.5	186.4	190.7	75.0	49.1	101.2	74.2	61.9	89.0
CAES150605	06/05/15	00:00:00	23:59:55	23:59:55	17280	1791.5	1788.7	1793.2	190.5	188.5	192.2	80.8	59.4	105.8	77.6	66.6	91.7
CAES150606	06/06/15	00:00:00	23:59:55	23:59:55	17280	1794.0	1793.1	1794.7	191.7	190.0	193.6	76.4	59.0	100.3	76.2	67.1	88.9
CAES150607	06/07/15	00:00:00	23:59:55	23:59:55	17280	1795.1	1794.5	1795.4	192.8	190.7	194.5	83.4	56.6	114.8	78.6	66.2	94.2
CAES150608	06/08/15	00:00:00	23:59:55	23:59:55	17266	1795.5	1795.2	1796.1	194.0	192.1	195.9	91.1	64.2	124.3	83.1	71.1	98.8
CAES150609	06/09/15	00:00:00	23:59:55	23:59:55	9408	1795.9	1795.3	1796.1	193.9	192.9	195.2	76.6	65.7	85.9	77.3	72.9	83.2
CAES150610	06/10/15	00:00:00	23:59:55	23:59:55	0	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
CAES150611	06/11/15	00:00:00	23:59:55	23:59:55	643	1794.3	1793.3	1794.3	196.0	195.3	196.8	83.7	73.8	99.2	82.7	77.3	91.1
CAES150612	06/12/15	00:00:00	23:59:55	23:59:55	2880	1794.3	1793.3	1794.3	196.4	194.2	198.1	84.8	59.4	109.1	82.4	68.9	98.9
CAES150613	06/13/15	00:00:00	23:59:55	23:59:55	2880	1794.3	1793.3	1794.3	196.9	195.0	198.4	80.3	59.8	104.3	81.2	70.0	97.4
CAES150614	06/14/15	00:00:00	23:59:55	23:59:55	2880	1794.3	1793.3	1794.3	197.0	195.1	198.5	74.8	54.4	96.9	78.2	66.7	94.1
CAES150615	06/15/15	00:00:00	23:59:55	23:59:55	2880	1795.0	1794.3	1795.3	197.2	195.2	198.9	73.6	50.3	96.6	77.2	64.6	93.5
CAES150616	06/16/15	00:00:00	23:59:55	23:59:55	2880	1795.8	1795.3	1796.3	197.8	195.7	199.8	78.1	52.2	106.5	79.2	65.4	98.3
CAES150617	06/17/15	00:00:00	23:59:55	23:59:55	2880	1796.0	1795.3	1796.3	198.4	196.3	200.3	81.1	55.0	109.6	81.2	67.4	100.1
CAES150618	06/18/15	00:00:00	23:59:55	23:59:55	2880	1795.8	1795.3	1796.3	198.7	196.6	200.4	77.8	53.0	100.1	80.4	67.1	97.1
CAES150619	06/19/15	00:00:00	23:59:55	23:59:55	2880	1795.7	1795.3	1796.3	199.1	197.0	200.8	79.3	52.9	108.0	80.5	66.5	99.7
CAES150620	06/20/15	00:00:00	23:59:55	23:59:55	2880	1795.5	1795.3	1796.3	199.4	197.4	201.2	82.4	55.8	111.9	82.2	68.3	100.3
CAES150621	06/21/15	00:00:00	23:59:55	23:59:55	2880	1795.3	1795.3	1796.3	199.3	197.5	200.6	75.3	56.0	93.8	79.1	68.1	94.0
CAES150622	06/22/15	00:00:00	23:59:55	23:59:55	2880	1795.3	1795.3	1796.3	199.1	197.0	200.7	75.6	50.4	101.7	78.6	65.1	96.4
CAES150623	06/23/15	00:00:00	23:59:55	23:59:55	2880	1795.3	1794.3	1795.3	199.4	197.3	201.1	79.2	54.3	105.2	80.7	67.3	98.8
CAES150624	06/24/15	00:00:00	23:59:55	23:59:55	2880	1795.1	1794.3	1795.3	199.7	197.7	201.3	82.3	56.8	109.0	82.5	68.9	100.3
CAES150625	06/25/15	00:00:00	23:59:55	23:59:55	2880	1794.7	1794.3	1795.3	200.0	198.1	201.7	86.7	61.1	114.6	85.1	71.5	103.1
CAES150626	06/26/15	00:00:00	23:59:55	23:59:55	2880	1794.5	1794.3	1795.3	200.1	198.2	201.6	84.3	60.8	111.8	84.7	72.0	102.3
CAES150627	06/27/15	00:00:00	23:59:55	23:59:55	2880	1794.3	1794.3	1795.3	199.5	198.1	201.1	76.6	60.7	95.9	79.9	70.2	93.0
CAES150628	06/28/15	00:00:00	23:59:55	23:59:55	2880	1794.3	1794.3	1794.3	199.5	197.9	200.9	77.9	63.6	97.1	80.5	71.2	95.0
CAES150629	06/29/15	00:00:00	23:59:55	23:59:55	2880	1794.3	1793.3	1794.3	199.5	197.6	201.1	80.7	58.4	105.6	81.3	68.0	98.2
CAES150630	06/30/15	00:00:00	23:59:55	23:59:55	2880	1794.0	1793.3	1794.3	200.0	198.1	201.8	90.7	63.5	122.4	86.4	72.9	103.6
	February Monthly Data (Operating Conditions Only):					1712.8	1687.7	1744.1	74.9	70.5	82.4	57.9	32.8	90.8	57.7	43.1	76.4
	March Monthly Data (Operating Conditions Only):					1786.7	1736.9	1827.5	69.8	68.1	72.9	65.9	37.0	106.3	64.4	46.7	90.2
	April Monthly Data (Operating Conditions Only):					1842.0	1806.5	1871.0	74.3	67.9	91.3	66.2	38.0	110.1	65.5	48.1	92.9
	May Monthly Data (Operating Conditions Only):					1806.5	1782.2	1861.4	67.9	89.5	185.1	38.0	42.9	108.3	48.1	55.7	94.5
	June Monthly Data (Operating Conditions Only):					1871.0	1759.5	1796.3	91.3	182.6	201.8	110.1	49.1	124.3	92.9	61.9	103.6
	2015 Q1 Data (Operating Conditions Only):					1763.2	1687.7	1828.4	71.4	68.1	82.4	63.4	32.8	106.3	62.2	43.1	90.2
	2015 Q2 Data (Operating Conditions Only):					1821.9	1759.5	1871.0	137.8	67.9	201.8	71.3	38.0	124.3	71.4	48.1	103.6

Notes:

1) Data are missing on 3/30/15 because the BHP tools were installed in the well for the mid-bubble build pressure survey and the pressure transmitter was taken out of service.

2) Data are missing on 4/4/15 because the Halliburton TMDL log was run in the well and the pressure transmitter was taken out of service.

3) Data are missing on 4/29/15 because the Piacentine 1-27 wellhead was out of service due to conducting temperature logging in the well.

4) Data are missing on 4/30/15 because the Piacentine 1-27 wellhead was out of service due to installation of the pressure-temperature recorder.

5) Data are missing on 6/10/15 due to the transition to a new Data Acquisition System.

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/08/15	01:00:00	1686.3	21.7	56.5	57.3
02/08/15	02:00:00	1686.3	21.8	57.1	57.5
02/08/15	03:00:00	1686.3	21.8	57.8	57.8
02/08/15	04:00:00	1686.3	21.7	57.5	57.9
02/08/15	05:00:00	1686.3	21.9	57.5	57.9
02/08/15	06:00:00	1686.3	21.9	58.4	58.2
02/08/15	07:00:00	1686.3	22.0	58.8	58.4
02/08/15	08:00:00	1686.3	22.1	59.0	58.5
02/08/15	09:00:00	1686.3	22.0	58.5	58.2
02/08/15	10:00:00	1686.3	22.0	58.3	58.1
02/08/15	11:00:00	1686.4	22.0	60.2	59.1
02/08/15	12:00:00	1686.4	22.1	62.0	60.1
02/08/15	13:00:00	1686.3	22.1	61.7	60.5
02/08/15	14:00:00	1686.4	22.1	61.1	60.8
02/08/15	15:00:00	1686.3	22.1	61.3	60.6
02/08/15	16:00:00	1686.4	22.1	61.7	60.6
02/08/15	17:00:00	1686.3	22.1	62.9	60.6
02/08/15	18:00:00	1686.3	22.1	64.1	60.7
02/08/15	19:00:00	1686.3	22.0	62.5	60.6
02/08/15	20:00:00	1686.4	22.1	62.0	60.3
02/08/15	21:00:00	1686.4	22.1	61.3	59.7
02/08/15	22:00:00	1686.3	22.1	60.2	59.2
02/08/15	23:00:00	1686.3	22.1	59.5	58.7
02/09/15	00:00:00	1686.5	22.1	59.5	58.2
02/09/15	01:00:00	1686.4	22.1	60.0	57.8
02/09/15	02:00:00	1686.4	22.1	58.9	57.4
02/09/15	03:00:00	1686.3	22.1	57.4	57.0
02/09/15	04:00:00	1686.5	22.1	57.2	56.8
02/09/15	05:00:00	1686.3	22.1	57.5	56.6
02/09/15	06:00:00	1686.5	22.1	57.5	56.5
02/09/15	07:00:00	1686.4	22.1	57.0	56.2
02/09/15	08:00:00	1686.4	22.1	56.6	56.1
02/09/15	09:00:00	1686.9	22.5	58.2	56.2
02/09/15	10:00:00	1687.0	22.8	63.9	57.7
02/09/15	11:00:00	1687.0	22.8	68.9	60.4
02/09/15	12:00:00	1686.9	22.8	72.6	63.0
02/09/15	13:00:00	1686.7	22.7	75.7	65.3
02/09/15	14:00:00	1686.5	22.5	77.4	66.9
02/09/15	15:00:00	1686.4	22.7	80.2	68.8
02/09/15	16:00:00	1686.4	22.6	81.4	69.2
02/09/15	17:00:00	1686.4	22.8	80.1	67.4
02/09/15	18:00:00	1686.5	22.8	73.8	65.1
02/09/15	19:00:00	1686.5	22.8	66.9	62.6
02/09/15	20:00:00	1686.6	22.7	61.7	60.6
02/09/15	21:00:00	1686.4	22.6	58.2	58.9
02/09/15	22:00:00	1686.5	22.4	55.0	57.2
02/09/15	23:00:00	1686.4	22.2	52.2	55.9
02/10/15	00:00:00	1686.4	22.1	49.5	54.5
02/10/15	01:00:00	1686.3	22.1	47.6	53.7
02/10/15	02:00:00	1686.4	22.1	46.4	53.0
02/10/15	03:00:00	1686.5	22.1	45.7	52.3
02/10/15	04:00:00	1686.4	22.1	45.2	51.8
02/10/15	05:00:00	1686.7	22.1	44.3	51.1
02/10/15	06:00:00	1686.4	22.1	43.5	50.6
02/10/15	07:00:00	1686.6	22.1	42.6	50.0
02/10/15	08:00:00	1686.8	22.1	42.3	49.8
02/10/15	09:00:00	1687.0	22.7	46.7	50.8
02/10/15	10:00:00	1687.1	22.8	53.4	53.6
02/10/15	11:00:00	1687.1	22.8	59.5	56.6
02/10/15	12:00:00	1687.0	22.8	64.4	59.3
02/10/15	13:00:00	1687.1	22.6	67.7	61.5
02/10/15	14:00:00	1687.1	22.7	71.0	63.5
02/10/15	15:00:00	1687.1	22.7	72.6	64.5
02/10/15	16:00:00	1687.2	18.8	70.1	63.3
02/10/15	17:00:00	1687.3	86.0	68.8	62.4
02/10/15	18:00:00	1687.2	86.0	66.4	60.9
02/10/15	19:00:00	1687.2	85.4	62.4	59.2
02/10/15	20:00:00	1687.1	85.3	58.7	57.5
02/10/15	21:00:00	1687.3	85.2	55.2	56.0
02/10/15	22:00:00	1687.2	84.8	52.2	54.7
02/10/15	23:00:00	1687.2	84.5	49.6	53.4
02/11/15	00:00:00	1687.2	84.5	47.4	52.4
02/11/15	01:00:00	1687.4	84.5	45.5	51.6
02/11/15	02:00:00	1687.3	84.2	44.0	50.8
02/11/15	03:00:00	1687.5	83.9	42.8	50.0
02/11/15	04:00:00	1687.2	83.8	41.8	49.4
02/11/15	05:00:00	1687.4	83.8	40.8	48.8
02/11/15	06:00:00	1687.4	83.8	39.7	48.3
02/11/15	07:00:00	1687.4	83.7	39.0	47.7
02/11/15	08:00:00	1687.6	83.4	38.6	47.4
02/11/15	09:00:00	1687.7	83.8	43.4	48.5
02/11/15	10:00:00	1687.7	84.1	50.9	51.4
02/11/15	11:00:00	1687.7	84.4	59.0	55.2
02/11/15	12:00:00	1687.7	84.5	65.9	58.7
02/11/15	13:00:00	1687.7	84.5	72.2	62.5
02/11/15	14:00:00	1687.5	84.4	76.3	65.5
02/11/15	15:00:00	1687.3	84.5	80.5	68.1
02/11/15	16:00:00	1687.2	84.7	81.1	68.6
02/11/15	17:00:00	1687.6	84.7	77.8	66.4

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/11/15	18:00:00	1687.6	84.5	73.0	64.4
02/11/15	19:00:00	1687.5	84.5	68.5	62.4
02/11/15	20:00:00	1687.6	84.2	64.4	60.6
02/11/15	21:00:00	1687.6	83.9	60.9	59.1
02/11/15	22:00:00	1687.6	83.8	58.1	57.9
02/11/15	23:00:00	1687.6	83.8	55.5	56.7
02/12/15	00:00:00	1687.6	83.6	53.2	55.6
02/12/15	01:00:00	1687.7	83.1	51.3	54.7
02/12/15	02:00:00	1687.7	82.9	49.6	53.9
02/12/15	03:00:00	1687.7	82.9	48.2	53.2
02/12/15	04:00:00	1687.7	82.9	46.9	52.4
02/12/15	05:00:00	1687.6	82.8	45.6	51.7
02/12/15	06:00:00	1687.7	82.6	44.5	51.1
02/12/15	07:00:00	1687.8	82.4	43.6	50.3
02/12/15	08:00:00	1687.8	82.3	43.3	50.1
02/12/15	09:00:00	1687.8	82.8	47.8	51.0
02/12/15	10:00:00	1687.8	82.9	55.0	53.7
02/12/15	11:00:00	1687.8	83.2	62.2	57.2
02/12/15	12:00:00	1687.8	83.4	69.2	61.1
02/12/15	13:00:00	1687.8	83.1	75.1	64.7
02/12/15	14:00:00	1687.7	83.3	80.4	68.2
02/12/15	15:00:00	1687.6	83.1	84.7	71.2
02/12/15	16:00:00	1687.6	83.3	87.8	73.5
02/12/15	17:00:00	1687.4	83.6	88.3	71.2
02/12/15	18:00:00	1687.7	83.9	84.1	68.7
02/12/15	19:00:00	1687.7	83.6	77.5	66.2
02/12/15	20:00:00	1687.6	83.0	71.7	63.9
02/12/15	21:00:00	1687.6	82.9	66.4	61.7
02/12/15	22:00:00	1687.7	82.8	62.0	59.9
02/12/15	23:00:00	1687.7	82.5	58.4	58.3
02/13/15	00:00:00	1687.7	82.3	55.3	56.9
02/13/15	01:00:00	1687.7	82.3	52.7	55.7
02/13/15	02:00:00	1687.7	82.2	50.5	54.7
02/13/15	03:00:00	1687.7	81.8	48.6	53.9
02/13/15	04:00:00	1687.8	81.5	47.0	53.1
02/13/15	05:00:00	1687.8	81.4	45.7	52.3
02/13/15	06:00:00	1687.8	81.4	44.6	51.8
02/13/15	07:00:00	1687.8	81.4	43.8	51.3
02/13/15	08:00:00	1687.8	81.3	43.9	51.1
02/13/15	09:00:00	1687.9	81.4	47.2	51.8
02/13/15	10:00:00	1687.9	82.1	54.8	54.5
02/13/15	11:00:00	1687.8	82.2	62.7	58.3
02/13/15	12:00:00	1687.8	82.2	69.8	62.2
02/13/15	13:00:00	1687.8	82.3	76.5	66.1
02/13/15	14:00:00	1687.6	82.3	82.7	70.0
02/13/15	15:00:00	1687.7	82.3	86.9	72.8
02/13/15	16:00:00	1687.7	82.3	90.0	75.4
02/13/15	17:00:00	1689.0	82.6	89.5	72.9
02/13/15	18:00:00	1689.3	82.9	83.9	69.9
02/13/15	19:00:00	1688.5	82.3	76.9	67.1
02/13/15	20:00:00	1688.3	82.2	70.9	64.5
02/13/15	21:00:00	1688.2	81.9	66.0	62.5
02/13/15	22:00:00	1688.2	81.5	61.5	60.5
02/13/15	23:00:00	1687.9	81.5	58.1	58.9
02/14/15	00:00:00	1687.8	81.4	55.5	57.7
02/14/15	01:00:00	1687.8	81.0	53.1	56.4
02/14/15	02:00:00	1687.8	80.8	51.3	55.4
02/14/15	03:00:00	1687.8	80.8	50.1	54.7
02/14/15	04:00:00	1687.8	80.8	48.7	54.0
02/14/15	05:00:00	1687.8	80.7	47.5	53.2
02/14/15	06:00:00	1687.8	80.5	46.2	52.5
02/14/15	07:00:00	1687.8	80.1	44.7	51.7
02/14/15	08:00:00	1687.8	80.0	43.6	51.2
02/14/15	09:00:00	1688.2	80.4	46.7	51.9
02/14/15	10:00:00	1688.2	80.9	54.9	54.9
02/14/15	11:00:00	1688.4	81.0	59.4	56.9
02/14/15	12:00:00	1687.8	81.2	72.9	64.4
02/14/15	13:00:00	1687.7	81.0	76.4	66.7
02/14/15	14:00:00	1688.2	81.0	81.3	70.3
02/14/15	15:00:00	1692.1	81.3	85.7	73.4
02/14/15	16:00:00	1695.0	81.5	89.0	75.9
02/14/15	17:00:00	1697.1	81.5	90.6	73.6
02/14/15	18:00:00	1696.3	82.0	88.3	71.0
02/14/15	19:00:00	1696.6	81.5	80.7	68.3
02/14/15	20:00:00	1697.3	81.4	73.3	65.5
02/14/15	21:00:00	1698.1	81.1	67.5	63.2
02/14/15	22:00:00	1698.7	81.0	62.9	61.1
02/14/15	23:00:00	1699.4	80.8	58.7	59.3
02/15/15	00:00:00	1699.6	80.4	55.5	57.7
02/15/15	01:00:00	1699.7	80.1	52.8	56.5
02/15/15	02:00:00	1699.7	80.1	50.6	55.4
02/15/15	03:00:00	1698.6	80.0	48.6	54.3
02/15/15	04:00:00	1699.8	79.7	47.0	53.5
02/15/15	05:00:00	1700.8	79.6	45.9	52.9
02/15/15	06:00:00	1701.5	79.4	44.9	52.3
02/15/15	07:00:00	1701.7	79.4	44.8	52.0
02/15/15	08:00:00	1702.4	79.4	44.7	51.7
02/15/15	09:00:00	1702.7	79.7	48.1	52.4
02/15/15	10:00:00	1702.5	80.1	55.8	55.2

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/15/15	11:00:00	1702.2	80.1	63.8	58.9
02/15/15	12:00:00	1702.2	80.2	71.0	62.8
02/15/15	13:00:00	1702.3	80.2	77.2	66.4
02/15/15	14:00:00	1701.8	80.4	82.5	69.8
02/15/15	15:00:00	1700.5	80.7	85.7	72.0
02/15/15	16:00:00	1700.8	81.0	85.7	72.1
02/15/15	17:00:00	1701.2	81.0	84.1	70.7
02/15/15	18:00:00	1701.4	81.0	80.3	68.6
02/15/15	19:00:00	1701.5	80.5	75.0	66.3
02/15/15	20:00:00	1702.1	80.2	69.5	63.9
02/15/15	21:00:00	1702.3	80.1	64.7	62.0
02/15/15	22:00:00	1702.6	79.9	60.9	60.3
02/15/15	23:00:00	1702.7	79.4	57.7	58.8
02/16/15	00:00:00	1703.0	79.4	55.0	57.5
02/16/15	01:00:00	1703.0	79.4	52.7	56.4
02/16/15	02:00:00	1703.6	79.3	50.7	55.4
02/16/15	03:00:00	1703.8	79.1	49.1	54.5
02/16/15	04:00:00	1704.1	78.7	47.7	53.7
02/16/15	05:00:00	1704.3	78.7	46.3	53.0
02/16/15	06:00:00	1704.3	78.7	45.3	52.4
02/16/15	07:00:00	1704.3	78.7	44.5	51.8
02/16/15	08:00:00	1704.4	78.6	44.2	51.4
02/16/15	09:00:00	1704.5	78.7	48.5	52.4
02/16/15	10:00:00	1704.5	79.0	56.0	55.2
02/16/15	11:00:00	1704.5	79.3	63.7	59.0
02/16/15	12:00:00	1704.4	79.3	70.3	62.9
02/16/15	13:00:00	1704.0	79.3	75.9	66.6
02/16/15	14:00:00	1703.8	79.3	80.4	69.7
02/16/15	15:00:00	1703.3	79.4	84.7	72.8
02/16/15	16:00:00	1703.1	79.4	87.9	75.4
02/16/15	17:00:00	1703.2	79.6	89.1	73.4
02/16/15	18:00:00	1703.7	80.0	85.6	70.7
02/16/15	19:00:00	1703.8	79.5	79.1	68.0
02/16/15	20:00:00	1703.8	79.4	72.6	65.5
02/16/15	21:00:00	1704.0	79.3	67.1	63.3
02/16/15	22:00:00	1704.3	78.9	62.9	61.4
02/16/15	23:00:00	1704.4	78.7	59.4	59.8
02/17/15	00:00:00	1704.7	78.7	56.7	58.6
02/17/15	01:00:00	1704.7	78.6	54.2	57.3
02/17/15	02:00:00	1705.2	78.3	51.8	56.2
02/17/15	03:00:00	1705.2	78.1	50.0	55.2
02/17/15	04:00:00	1705.3	78.0	48.7	54.3
02/17/15	05:00:00	1705.9	77.9	47.4	53.7
02/17/15	06:00:00	1706.0	78.0	48.1	53.6
02/17/15	07:00:00	1704.1	77.9	49.3	53.7
02/17/15	08:00:00	1701.5	77.8	49.0	53.6
02/17/15	09:00:00	1699.8	77.8	51.2	54.3
02/17/15	10:00:00	1698.7	77.9	53.7	55.6
02/17/15	11:00:00	1697.9	77.9	55.8	56.8
02/17/15	12:00:00	1697.3	77.9	60.2	59.0
02/17/15	13:00:00	1696.7	78.2	66.4	62.2
02/17/15	14:00:00	1696.3	78.0	72.0	65.7
02/17/15	15:00:00	1695.8	78.1	75.7	68.5
02/17/15	16:00:00	1695.6	78.3	76.9	70.2
02/17/15	17:00:00	1695.0	78.3	74.4	67.4
02/17/15	18:00:00	1694.9	78.5	68.2	63.7
02/17/15	19:00:00	1694.9	78.0	60.5	60.4
02/17/15	20:00:00	1694.8	77.9	56.2	58.1
02/17/15	21:00:00	1694.3	77.6	53.9	56.6
02/17/15	22:00:00	1694.2	77.3	52.7	55.5
02/17/15	23:00:00	1694.2	77.2	51.8	54.7
02/18/15	00:00:00	1694.2	77.2	51.2	54.1
02/18/15	01:00:00	1693.8	77.2	50.5	53.6
02/18/15	02:00:00	1693.6	77.1	49.9	53.1
02/18/15	03:00:00	1693.5	76.9	49.3	52.8
02/18/15	04:00:00	1693.5	76.8	48.7	52.4
02/18/15	05:00:00	1693.5	76.6	48.1	52.1
02/18/15	06:00:00	1693.5	76.4	47.5	51.8
02/18/15	07:00:00	1693.5	76.3	46.4	51.3
02/18/15	08:00:00	1693.5	76.3	45.6	51.0
02/18/15	09:00:00	1693.5	76.8	49.5	52.3
02/18/15	10:00:00	1693.5	77.1	56.8	55.4
02/18/15	11:00:00	1693.4	77.1	61.3	57.9
02/18/15	12:00:00	1693.3	77.1	62.3	58.8
02/18/15	13:00:00	1693.1	77.1	62.6	59.4
02/18/15	14:00:00	1693.0	77.2	63.8	60.4
02/18/15	15:00:00	1692.8	76.4	69.3	64.1
02/18/15	16:00:00	1692.7	76.9	74.8	67.2
02/18/15	17:00:00	1692.8	77.2	77.1	66.3
02/18/15	18:00:00	1692.7	77.3	74.9	64.3
02/18/15	19:00:00	1692.7	77.2	69.9	62.3
02/18/15	20:00:00	1692.7	77.1	65.0	60.4
02/18/15	21:00:00	1692.7	76.7	60.9	58.8
02/18/15	22:00:00	1692.7	76.3	57.2	57.1
02/18/15	23:00:00	1693.7	76.3	53.8	55.6
02/19/15	00:00:00	1696.1	76.3	50.8	54.4
02/19/15	01:00:00	1697.8	76.3	48.8	53.6
02/19/15	02:00:00	1696.5	76.0	47.1	52.8
02/19/15	03:00:00	1695.4	75.8	46.7	52.8

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/19/15	04:00:00	1694.8	75.8	47.6	53.0
02/19/15	05:00:00	1696.6	75.8	48.5	53.1
02/19/15	06:00:00	1698.3	75.9	48.8	53.1
02/19/15	07:00:00	1699.5	75.8	49.0	53.2
02/19/15	08:00:00	1700.5	75.8	49.5	53.5
02/19/15	09:00:00	1701.1	75.8	50.8	53.9
02/19/15	10:00:00	1701.5	75.8	52.6	54.7
02/19/15	11:00:00	1702.1	75.9	54.3	55.5
02/19/15	12:00:00	1702.5	76.0	55.3	56.2
02/19/15	13:00:00	1702.9	76.0	56.4	56.8
02/19/15	14:00:00	1703.0	76.2	57.7	57.4
02/19/15	15:00:00	1703.3	76.1	58.1	57.7
02/19/15	16:00:00	1703.8	76.2	58.4	57.9
02/19/15	17:00:00	1703.8	76.1	58.2	57.8
02/19/15	18:00:00	1703.9	75.9	57.5	57.5
02/19/15	19:00:00	1704.1	75.8	56.8	57.2
02/19/15	20:00:00	1704.4	75.8	55.9	56.8
02/19/15	21:00:00	1704.4	75.8	55.2	56.6
02/19/15	22:00:00	1704.4	75.8	54.8	56.4
02/19/15	23:00:00	1704.7	75.8	54.3	56.1
02/20/15	00:00:00	1705.1	75.8	54.0	56.0
02/20/15	01:00:00	1705.2	75.8	53.8	55.9
02/20/15	02:00:00	1705.2	75.7	53.6	55.7
02/20/15	03:00:00	1705.2	75.7	53.4	55.5
02/20/15	04:00:00	1705.2	75.8	53.2	55.4
02/20/15	05:00:00	1705.8	75.5	53.0	55.3
02/20/15	06:00:00	1705.9	75.4	52.9	55.1
02/20/15	07:00:00	1706.0	75.3	52.6	54.8
02/20/15	08:00:00	1706.0	75.1	51.8	54.3
02/20/15	09:00:00	1706.0	75.0	51.7	54.4
02/20/15	10:00:00	1706.0	75.0	52.3	54.7
02/20/15	11:00:00	1705.0	74.9	53.0	55.0
02/20/15	12:00:00	1702.5	74.9	54.3	55.8
02/20/15	13:00:00	1700.7	74.9	61.0	59.3
02/20/15	14:00:00	1699.7	75.0	68.1	63.0
02/20/15	15:00:00	1698.9	74.9	74.4	66.9
02/20/15	16:00:00	1698.9	75.1	78.3	70.0
02/20/15	17:00:00	1701.0	75.5	77.9	67.9
02/20/15	18:00:00	1702.5	75.8	74.0	64.9
02/20/15	19:00:00	1700.8	75.7	66.5	62.1
02/20/15	20:00:00	1701.0	75.4	59.7	59.5
02/20/15	21:00:00	1702.6	75.0	55.1	57.4
02/20/15	22:00:00	1703.8	74.9	52.3	55.8
02/20/15	23:00:00	1704.6	74.9	50.3	54.6
02/21/15	00:00:00	1705.2	74.8	49.0	53.6
02/21/15	01:00:00	1705.8	74.7	48.4	53.0
02/21/15	02:00:00	1706.0	74.7	49.2	53.1
02/21/15	03:00:00	1706.4	74.5	49.5	53.2
02/21/15	04:00:00	1706.7	74.4	49.7	53.4
02/21/15	05:00:00	1706.7	74.4	49.8	53.5
02/21/15	06:00:00	1707.0	74.4	49.8	53.5
02/21/15	07:00:00	1707.4	74.4	49.8	53.4
02/21/15	08:00:00	1707.4	74.3	49.8	53.4
02/21/15	09:00:00	1707.4	74.3	50.0	53.5
02/21/15	10:00:00	1707.5	74.3	50.8	53.9
02/21/15	11:00:00	1707.8	74.3	52.3	54.6
02/21/15	12:00:00	1707.8	74.4	54.3	55.6
02/21/15	13:00:00	1708.0	74.4	57.2	57.1
02/21/15	14:00:00	1707.8	74.4	63.3	60.3
02/21/15	15:00:00	1707.4	74.4	69.5	64.2
02/21/15	16:00:00	1707.4	74.4	73.7	67.4
02/21/15	17:00:00	1707.4	74.6	74.8	66.0
02/21/15	18:00:00	1707.4	74.9	71.2	63.3
02/21/15	19:00:00	1707.5	74.9	63.9	60.7
02/21/15	20:00:00	1707.8	74.6	57.8	58.3
02/21/15	21:00:00	1707.9	74.4	53.9	56.5
02/21/15	22:00:00	1708.1	74.4	50.7	54.9
02/21/15	23:00:00	1708.1	74.2	48.5	53.6
02/22/15	00:00:00	1708.2	74.1	46.9	52.9
02/22/15	01:00:00	1708.1	73.8	46.6	52.8
02/22/15	02:00:00	1708.2	73.8	47.2	52.7
02/22/15	03:00:00	1708.2	73.7	47.7	52.8
02/22/15	04:00:00	1708.2	73.5	48.0	52.8
02/22/15	05:00:00	1708.2	73.6	47.3	52.0
02/22/15	06:00:00	1708.3	73.5	45.8	51.1
02/22/15	07:00:00	1708.5	73.5	44.4	50.3
02/22/15	08:00:00	1708.9	73.5	44.0	49.7
02/22/15	09:00:00	1708.9	73.8	47.7	50.8
02/22/15	10:00:00	1708.9	74.3	54.1	53.7
02/22/15	11:00:00	1709.0	74.4	60.0	56.7
02/22/15	12:00:00	1708.9	74.4	64.8	59.9
02/22/15	13:00:00	1708.9	74.4	69.3	63.1
02/22/15	14:00:00	1708.8	74.3	72.7	65.9
02/22/15	15:00:00	1708.8	74.3	73.8	67.8
02/22/15	16:00:00	1708.9	74.2	74.1	69.2
02/22/15	17:00:00	1709.0	74.3	72.4	66.2
02/22/15	18:00:00	1709.0	74.4	67.8	62.4
02/22/15	19:00:00	1709.3	74.3	61.1	59.4
02/22/15	20:00:00	1709.5	74.0	56.8	57.1

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/22/15	21:00:00	1709.6	73.5	53.3	55.2
02/22/15	22:00:00	1709.7	73.4	50.4	53.7
02/22/15	23:00:00	1709.7	73.4	48.4	52.4
02/23/15	00:00:00	1710.2	73.3	48.0	51.7
02/23/15	01:00:00	1710.4	73.2	48.0	51.2
02/23/15	02:00:00	1710.4	72.9	47.5	50.6
02/23/15	03:00:00	1710.4	72.9	46.3	49.8
02/23/15	04:00:00	1710.4	72.9	45.2	49.1
02/23/15	05:00:00	1710.4	72.9	43.8	48.5
02/23/15	06:00:00	1710.5	72.9	42.2	47.9
02/23/15	07:00:00	1710.5	72.7	40.9	47.2
02/23/15	08:00:00	1710.8	72.5	40.5	46.8
02/23/15	09:00:00	1711.0	72.9	43.8	48.4
02/23/15	10:00:00	1711.0	72.9	50.6	51.5
02/23/15	11:00:00	1711.0	73.2	57.2	54.9
02/23/15	12:00:00	1710.7	73.3	62.3	57.8
02/23/15	13:00:00	1710.5	73.3	67.2	61.2
02/23/15	14:00:00	1710.5	73.3	72.0	64.5
02/23/15	15:00:00	1710.7	73.4	74.4	67.2
02/23/15	16:00:00	1712.4	73.4	74.8	68.9
02/23/15	17:00:00	1713.8	73.4	72.9	65.8
02/23/15	18:00:00	1715.1	73.7	68.7	61.8
02/23/15	19:00:00	1715.8	73.5	61.2	58.6
02/23/15	20:00:00	1715.8	73.2	55.7	56.3
02/23/15	21:00:00	1715.1	72.9	51.7	54.3
02/23/15	22:00:00	1716.0	72.9	48.5	52.5
02/23/15	23:00:00	1716.6	72.8	45.5	51.2
02/24/15	00:00:00	1717.1	72.7	42.8	49.6
02/24/15	01:00:00	1717.5	72.2	40.2	48.2
02/24/15	02:00:00	1717.6	72.0	38.3	47.2
02/24/15	03:00:00	1717.6	72.0	36.7	46.2
02/24/15	04:00:00	1717.6	72.0	35.3	45.4
02/24/15	05:00:00	1717.7	71.9	34.0	44.6
02/24/15	06:00:00	1718.3	71.7	33.2	43.9
02/24/15	07:00:00	1718.5	71.5	33.0	43.4
02/24/15	08:00:00	1718.9	71.8	34.3	43.5
02/24/15	09:00:00	1719.1	72.1	41.0	45.9
02/24/15	10:00:00	1719.1	72.8	49.3	49.9
02/24/15	11:00:00	1719.1	72.9	56.9	53.8
02/24/15	12:00:00	1719.1	72.9	63.3	57.5
02/24/15	13:00:00	1719.1	73.0	69.3	61.3
02/24/15	14:00:00	1720.6	72.9	75.5	65.1
02/24/15	15:00:00	1721.7	72.9	81.1	69.0
02/24/15	16:00:00	1722.6	73.0	84.7	72.4
02/24/15	17:00:00	1723.2	73.2	86.2	70.6
02/24/15	18:00:00	1723.9	73.4	81.6	66.8
02/24/15	19:00:00	1723.9	73.4	73.2	63.6
02/24/15	20:00:00	1724.6	73.1	66.3	60.7
02/24/15	21:00:00	1725.1	72.9	60.3	58.2
02/24/15	22:00:00	1725.4	72.8	55.4	56.0
02/24/15	23:00:00	1725.8	72.6	51.4	54.1
02/25/15	00:00:00	1725.8	72.2	47.7	52.4
02/25/15	01:00:00	1726.4	72.0	44.4	51.0
02/25/15	02:00:00	1726.6	72.0	42.3	49.9
02/25/15	03:00:00	1727.0	71.9	40.3	48.7
02/25/15	04:00:00	1727.2	71.7	38.7	47.8
02/25/15	05:00:00	1727.2	71.6	37.7	47.2
02/25/15	06:00:00	1727.2	71.4	36.6	46.4
02/25/15	07:00:00	1728.0	71.3	35.5	45.7
02/25/15	08:00:00	1728.2	71.6	36.1	45.6
02/25/15	09:00:00	1728.7	72.0	42.4	47.7
02/25/15	10:00:00	1728.8	72.5	50.6	51.4
02/25/15	11:00:00	1727.7	72.8	57.6	54.9
02/25/15	12:00:00	1726.5	72.7	64.2	58.4
02/25/15	13:00:00	1725.6	72.9	70.7	62.4
02/25/15	14:00:00	1721.9	72.7	76.4	66.2
02/25/15	15:00:00	1719.3	73.0	79.2	68.1
02/25/15	16:00:00	1717.5	72.7	78.7	69.4
02/25/15	17:00:00	1716.1	72.9	78.8	68.6
02/25/15	18:00:00	1716.7	72.9	74.7	65.5
02/25/15	19:00:00	1719.3	72.9	69.6	62.9
02/25/15	20:00:00	1722.8	72.9	64.1	60.5
02/25/15	21:00:00	1725.1	72.5	59.8	58.4
02/25/15	22:00:00	1726.4	72.1	55.9	56.7
02/25/15	23:00:00	1727.2	72.0	52.6	55.1
02/26/15	00:00:00	1728.1	72.0	50.0	53.8
02/26/15	01:00:00	1728.8	71.9	47.7	52.7
02/26/15	02:00:00	1729.5	71.7	45.8	51.8
02/26/15	03:00:00	1729.9	71.6	44.2	51.0
02/26/15	04:00:00	1730.4	71.4	43.0	50.1
02/26/15	05:00:00	1730.8	71.3	41.8	49.5
02/26/15	06:00:00	1731.1	71.3	40.9	48.9
02/26/15	07:00:00	1731.8	71.3	40.0	48.4
02/26/15	08:00:00	1732.1	71.4	40.8	48.3
02/26/15	09:00:00	1732.3	71.9	46.3	50.2
02/26/15	10:00:00	1732.5	72.1	53.8	53.7
02/26/15	11:00:00	1732.4	72.4	61.0	57.3
02/26/15	12:00:00	1732.5	72.2	67.2	61.3
02/26/15	13:00:00	1732.3	72.4	72.4	64.8

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
02/26/15	14:00:00	1732.1	72.4	77.2	68.1
02/26/15	15:00:00	1728.3	72.2	80.9	71.6
02/26/15	16:00:00	1724.7	72.3	82.6	74.3
02/26/15	17:00:00	1722.5	72.7	82.1	72.0
02/26/15	18:00:00	1722.4	72.9	77.8	68.6
02/26/15	19:00:00	1726.0	72.9	70.2	65.3
02/26/15	20:00:00	1728.4	72.4	64.4	62.6
02/26/15	21:00:00	1729.9	72.2	61.0	60.6
02/26/15	22:00:00	1730.9	72.0	59.0	59.3
02/26/15	23:00:00	1731.6	72.0	57.3	58.1
02/27/15	00:00:00	1732.3	72.0	56.1	57.2
02/27/15	01:00:00	1732.8	71.9	54.8	56.3
02/27/15	02:00:00	1733.2	71.6	53.4	55.4
02/27/15	03:00:00	1733.5	71.5	52.5	54.8
02/27/15	04:00:00	1733.8	71.4	51.7	54.2
02/27/15	05:00:00	1734.4	71.3	51.4	53.9
02/27/15	06:00:00	1734.6	71.3	51.4	53.7
02/27/15	07:00:00	1734.4	71.3	51.4	53.4
02/27/15	08:00:00	1733.8	71.7	53.0	53.8
02/27/15	09:00:00	1734.6	72.0	58.2	56.1
02/27/15	10:00:00	1735.1	72.2	62.9	59.1
02/27/15	11:00:00	1735.2	72.4	66.3	62.0
02/27/15	12:00:00	1735.2	72.4	69.1	64.5
02/27/15	13:00:00	1735.4	72.1	72.0	67.0
02/27/15	14:00:00	1736.0	72.3	74.5	68.9
02/27/15	15:00:00	1736.0	72.1	75.4	70.6
02/27/15	16:00:00	1736.1	72.1	75.5	72.1
02/27/15	17:00:00	1736.8	72.1	73.1	68.7
02/27/15	18:00:00	1736.9	72.3	68.3	64.4
02/27/15	19:00:00	1737.1	72.1	61.1	61.0
02/27/15	20:00:00	1737.5	71.8	56.6	58.4
02/27/15	21:00:00	1737.9	71.5	54.3	56.7
02/27/15	22:00:00	1738.3	71.3	52.9	55.6
02/27/15	23:00:00	1738.4	71.3	51.6	54.5
02/28/15	00:00:00	1738.8	71.3	50.4	53.8
02/28/15	01:00:00	1738.9	71.3	50.3	53.6
02/28/15	02:00:00	1738.9	71.3	50.4	53.5
02/28/15	03:00:00	1738.6	71.2	50.1	53.1
02/28/15	04:00:00	1738.9	71.1	49.7	52.8
02/28/15	05:00:00	1739.2	71.0	49.6	52.7
02/28/15	06:00:00	1739.8	70.9	48.5	52.3
02/28/15	07:00:00	1739.8	70.8	47.4	51.8
02/28/15	08:00:00	1739.8	70.6	46.9	51.6
02/28/15	09:00:00	1740.1	70.7	48.3	52.4
02/28/15	10:00:00	1740.2	71.0	51.4	53.8
02/28/15	11:00:00	1740.4	71.3	57.1	56.4
02/28/15	12:00:00	1740.5	71.4	64.2	60.2
02/28/15	13:00:00	1741.2	71.6	70.2	63.9
02/28/15	14:00:00	1741.4	71.9	71.8	64.8
02/28/15	15:00:00	1741.8	71.5	70.8	65.2
02/28/15	16:00:00	1741.8	71.4	75.3	68.8
02/28/15	17:00:00	1742.4	71.9	73.9	66.2
02/28/15	18:00:00	1742.7	71.9	68.2	63.5
02/28/15	19:00:00	1742.9	71.4	61.5	60.7
02/28/15	20:00:00	1743.1	71.3	57.9	58.7
02/28/15	21:00:00	1743.2	71.3	54.8	57.1
02/28/15	22:00:00	1743.2	71.2	52.2	55.6
02/28/15	23:00:00	1743.3	70.9	49.9	54.4
03/01/15	00:00:00	1743.2	70.7	47.7	53.2
03/01/15	01:00:00	1743.8	70.6	45.7	52.0
03/01/15	02:00:00	1743.2	70.6	44.1	51.2
03/01/15	03:00:00	1741.8	70.6	42.9	50.4
03/01/15	04:00:00	1741.2	70.5	41.6	49.8
03/01/15	05:00:00	1741.0	70.4	41.4	49.6
03/01/15	06:00:00	1740.3	70.3	40.7	49.0
03/01/15	07:00:00	1740.3	70.1	39.5	48.2
03/01/15	08:00:00	1740.4	70.4	40.6	48.1
03/01/15	09:00:00	1741.3	70.8	47.4	50.5
03/01/15	10:00:00	1742.5	71.3	54.5	53.9
03/01/15	11:00:00	1742.7	71.3	60.3	57.0
03/01/15	12:00:00	1743.0	71.3	66.0	60.3
03/01/15	13:00:00	1743.2	71.3	71.3	63.6
03/01/15	14:00:00	1743.2	71.3	75.9	66.7
03/01/15	15:00:00	1743.9	71.4	79.5	69.9
03/01/15	16:00:00	1744.1	71.4	82.6	73.0
03/01/15	17:00:00	1744.1	71.3	84.2	71.5
03/01/15	18:00:00	1744.8	71.8	82.2	68.2
03/01/15	19:00:00	1745.2	71.8	74.8	65.3
03/01/15	20:00:00	1745.5	71.4	67.2	62.5
03/01/15	21:00:00	1745.5	71.3	60.7	59.9
03/01/15	22:00:00	1746.0	71.1	56.3	57.9
03/01/15	23:00:00	1746.4	70.8	53.0	56.2
03/02/15	00:00:00	1746.4	70.6	50.3	54.7
03/02/15	01:00:00	1746.9	70.6	48.2	53.7
03/02/15	02:00:00	1746.9	70.7	46.3	52.5
03/02/15	03:00:00	1746.9	70.6	45.5	51.9
03/02/15	04:00:00	1747.4	70.5	45.4	51.6
03/02/15	05:00:00	1747.8	70.5	45.1	51.2

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/02/15	06:00:00	1747.8	70.4	45.4	51.0
03/02/15	07:00:00	1747.9	70.2	45.5	50.7
03/02/15	08:00:00	1748.4	70.1	46.1	50.7
03/02/15	09:00:00	1748.4	70.5	48.6	51.9
03/02/15	10:00:00	1748.5	70.6	54.2	54.6
03/02/15	11:00:00	1748.6	70.6	60.5	57.9
03/02/15	12:00:00	1749.1	70.7	65.6	61.1
03/02/15	13:00:00	1749.2	70.9	70.4	64.3
03/02/15	14:00:00	1749.1	70.8	74.4	66.9
03/02/15	15:00:00	1747.4	71.1	77.9	69.1
03/02/15	16:00:00	1746.6	71.6	73.5	66.5
03/02/15	17:00:00	1747.7	71.3	65.0	62.8
03/02/15	18:00:00	1748.4	71.2	61.4	60.7
03/02/15	19:00:00	1748.7	70.8	57.7	58.6
03/02/15	20:00:00	1749.3	70.6	54.2	56.8
03/02/15	21:00:00	1749.4	70.5	51.8	55.5
03/02/15	22:00:00	1749.9	70.5	49.5	54.2
03/02/15	23:00:00	1749.9	70.3	47.4	53.0
03/03/15	00:00:00	1749.9	70.1	45.7	52.1
03/03/15	01:00:00	1750.7	69.7	44.1	51.3
03/03/15	02:00:00	1750.7	69.7	42.6	50.3
03/03/15	03:00:00	1750.9	69.7	41.4	49.6
03/03/15	04:00:00	1750.9	69.7	40.4	48.9
03/03/15	05:00:00	1751.5	69.7	39.8	48.3
03/03/15	06:00:00	1751.6	69.7	39.4	47.9
03/03/15	07:00:00	1751.2	69.6	38.8	47.4
03/03/15	08:00:00	1750.2	69.7	40.0	47.3
03/03/15	09:00:00	1746.2	69.9	46.4	49.7
03/03/15	10:00:00	1744.0	70.5	53.8	53.4
03/03/15	11:00:00	1742.2	70.5	60.5	56.9
03/03/15	12:00:00	1741.0	70.5	65.8	60.4
03/03/15	13:00:00	1740.1	70.5	70.2	63.8
03/03/15	14:00:00	1739.1	70.5	74.3	66.9
03/03/15	15:00:00	1738.3	70.5	77.0	69.8
03/03/15	16:00:00	1737.5	70.5	78.6	72.2
03/03/15	17:00:00	1737.2	70.9	76.3	69.3
03/03/15	18:00:00	1739.3	71.2	71.3	65.7
03/03/15	19:00:00	1741.1	70.8	65.7	62.8
03/03/15	20:00:00	1743.4	70.6	61.1	60.5
03/03/15	21:00:00	1744.7	70.6	57.0	58.4
03/03/15	22:00:00	1745.8	70.4	53.4	56.5
03/03/15	23:00:00	1746.5	70.0	50.8	54.9
03/04/15	00:00:00	1747.1	69.7	48.6	53.6
03/04/15	01:00:00	1747.8	69.7	47.0	52.7
03/04/15	02:00:00	1748.3	69.7	45.3	51.9
03/04/15	03:00:00	1748.4	69.7	43.5	50.9
03/04/15	04:00:00	1749.0	69.6	41.7	49.9
03/04/15	05:00:00	1749.6	69.5	39.9	48.9
03/04/15	06:00:00	1749.8	69.3	38.5	47.9
03/04/15	07:00:00	1750.6	69.2	37.5	47.2
03/04/15	08:00:00	1751.3	69.6	38.8	47.3
03/04/15	09:00:00	1751.6	69.7	46.1	49.8
03/04/15	10:00:00	1752.0	70.4	54.5	53.6
03/04/15	11:00:00	1752.1	70.6	61.2	57.2
03/04/15	12:00:00	1752.1	70.6	67.1	60.8
03/04/15	13:00:00	1752.1	70.6	73.0	64.5
03/04/15	14:00:00	1752.2	70.6	78.0	68.0
03/04/15	15:00:00	1752.3	70.6	82.0	71.4
03/04/15	16:00:00	1753.0	70.6	85.4	74.7
03/04/15	17:00:00	1753.0	70.6	87.1	73.3
03/04/15	18:00:00	1753.3	71.0	85.5	69.5
03/04/15	19:00:00	1753.6	71.1	78.7	66.5
03/04/15	20:00:00	1754.0	70.6	71.7	63.6
03/04/15	21:00:00	1754.5	70.6	65.0	61.0
03/04/15	22:00:00	1754.5	70.3	59.4	58.6
03/04/15	23:00:00	1754.7	69.9	55.0	56.7
03/05/15	00:00:00	1754.9	69.7	51.4	54.9
03/05/15	01:00:00	1755.1	69.7	48.2	53.4
03/05/15	02:00:00	1755.1	69.7	45.3	52.1
03/05/15	03:00:00	1755.3	69.5	43.0	50.9
03/05/15	04:00:00	1755.9	69.3	41.2	50.0
03/05/15	05:00:00	1755.9	69.2	39.7	49.1
03/05/15	06:00:00	1755.9	69.1	38.4	48.3
03/05/15	07:00:00	1756.2	69.1	37.4	47.6
03/05/15	08:00:00	1756.5	69.3	39.3	47.8
03/05/15	09:00:00	1757.0	69.7	46.7	50.5
03/05/15	10:00:00	1757.2	70.4	55.6	54.4
03/05/15	11:00:00	1757.3	70.5	63.5	58.2
03/05/15	12:00:00	1757.3	70.5	70.5	62.3
03/05/15	13:00:00	1757.1	70.5	76.7	66.2
03/05/15	14:00:00	1756.9	70.5	82.4	69.8
03/05/15	15:00:00	1757.0	70.5	86.8	73.5
03/05/15	16:00:00	1757.3	70.6	89.2	76.6
03/05/15	17:00:00	1757.5	70.6	89.2	74.9
03/05/15	18:00:00	1758.0	71.0	85.7	70.7
03/05/15	19:00:00	1758.3	71.0	78.0	67.5
03/05/15	20:00:00	1758.7	70.6	71.0	64.6
03/05/15	21:00:00	1758.8	70.5	64.9	61.9
03/05/15	22:00:00	1758.8	70.1	59.9	59.6

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/05/15	23:00:00	1758.8	69.7	55.7	57.6
03/06/15	00:00:00	1759.0	69.7	52.3	56.0
03/06/15	01:00:00	1759.4	69.8	49.4	54.5
03/06/15	02:00:00	1759.6	69.6	46.9	53.3
03/06/15	03:00:00	1759.6	69.5	45.0	52.2
03/06/15	04:00:00	1759.7	69.3	43.1	51.2
03/06/15	05:00:00	1760.0	69.2	41.5	50.3
03/06/15	06:00:00	1760.2	69.2	40.3	49.6
03/06/15	07:00:00	1760.2	69.2	39.3	49.0
03/06/15	08:00:00	1760.9	69.4	41.2	49.1
03/06/15	09:00:00	1761.0	69.8	48.3	51.5
03/06/15	10:00:00	1761.1	70.1	56.8	55.2
03/06/15	11:00:00	1761.1	70.3	64.8	59.2
03/06/15	12:00:00	1760.5	70.4	71.5	63.6
03/06/15	13:00:00	1760.7	70.3	77.6	67.6
03/06/15	14:00:00	1760.9	70.5	83.2	71.3
03/06/15	15:00:00	1761.1	70.5	86.9	74.9
03/06/15	16:00:00	1761.1	70.5	89.0	78.1
03/06/15	17:00:00	1761.3	70.6	89.7	76.7
03/06/15	18:00:00	1761.6	71.0	86.8	72.6
03/06/15	19:00:00	1761.7	70.9	77.6	69.0
03/06/15	20:00:00	1761.8	70.6	71.0	65.9
03/06/15	21:00:00	1762.3	70.5	65.4	63.3
03/06/15	22:00:00	1762.5	70.1	61.0	61.1
03/06/15	23:00:00	1762.5	69.8	57.2	59.0
03/07/15	00:00:00	1762.5	69.7	53.7	57.3
03/07/15	01:00:00	1762.6	69.7	50.8	55.8
03/07/15	02:00:00	1762.8	69.6	48.8	54.6
03/07/15	03:00:00	1763.1	69.3	47.4	53.6
03/07/15	04:00:00	1763.0	69.2	45.9	52.7
03/07/15	05:00:00	1763.0	69.2	44.7	52.0
03/07/15	06:00:00	1763.2	69.2	43.4	51.3
03/07/15	07:00:00	1763.4	69.2	42.3	50.6
03/07/15	08:00:00	1763.9	69.3	44.1	50.8
03/07/15	09:00:00	1764.0	69.7	51.2	53.5
03/07/15	10:00:00	1764.2	69.7	59.8	57.3
03/07/15	11:00:00	1764.1	70.0	68.1	61.4
03/07/15	12:00:00	1764.1	70.4	75.4	65.6
03/07/15	13:00:00	1764.5	70.6	81.8	69.4
03/07/15	14:00:00	1764.6	70.6	87.6	73.0
03/07/15	15:00:00	1764.5	70.6	92.1	76.7
03/07/15	16:00:00	1764.6	70.6	95.0	79.9
03/07/15	17:00:00	1764.6	70.7	96.5	78.7
03/07/15	18:00:00	1765.1	71.1	94.0	74.8
03/07/15	19:00:00	1765.3	71.1	85.6	71.5
03/07/15	20:00:00	1765.3	70.6	77.9	68.4
03/07/15	21:00:00	1765.4	70.5	72.1	65.8
03/07/15	22:00:00	1765.6	70.2	66.7	63.5
03/07/15	23:00:00	1765.9	69.8	62.2	61.4
03/08/15	00:00:00	1766.0	69.7	58.3	59.5
03/08/15	01:00:00	1766.1	69.7	54.7	57.9
03/08/15	02:00:00	(1)	(1)	(1)	(1)
03/08/15	03:00:00	1766.1	69.6	52.2	56.6
03/08/15	04:00:00	1766.1	69.3	50.0	55.4
03/08/15	05:00:00	1766.2	69.1	48.1	54.4
03/08/15	06:00:00	1766.8	69.1	46.5	53.5
03/08/15	07:00:00	1766.8	69.1	45.0	52.6
03/08/15	08:00:00	1766.8	69.1	43.4	51.8
03/08/15	09:00:00	1767.5	69.2	44.6	51.7
03/08/15	10:00:00	1767.7	69.6	51.1	54.0
03/08/15	11:00:00	1767.7	69.7	59.5	57.8
03/08/15	12:00:00	1767.7	70.0	67.6	61.9
03/08/15	13:00:00	1767.7	70.4	74.8	66.0
03/08/15	14:00:00	1767.7	70.4	80.8	70.0
03/08/15	15:00:00	1767.7	70.5	86.0	73.6
03/08/15	16:00:00	1767.7	70.6	90.5	77.3
03/08/15	17:00:00	1767.7	70.6	92.7	80.6
03/08/15	18:00:00	1768.0	70.7	92.2	79.0
03/08/15	19:00:00	1768.2	71.0	88.5	74.8
03/08/15	20:00:00	1768.2	70.8	81.5	71.5
03/08/15	21:00:00	1768.3	70.6	75.0	68.6
03/08/15	22:00:00	1768.6	70.5	69.0	65.9
03/08/15	23:00:00	1769.1	70.1	64.4	63.7
03/09/15	00:00:00	1769.1	69.8	60.8	61.9
03/09/15	01:00:00	1769.1	69.7	57.5	60.1
03/09/15	02:00:00	1769.1	69.7	54.8	58.6
03/09/15	03:00:00	1769.1	69.6	52.6	57.4
03/09/15	04:00:00	1769.6	69.4	50.7	56.2
03/09/15	05:00:00	1769.7	69.2	49.5	55.3
03/09/15	06:00:00	1769.7	69.1	48.3	54.5
03/09/15	07:00:00	1769.7	69.1	46.9	53.7
03/09/15	08:00:00	1770.1	69.1	45.6	53.1
03/09/15	09:00:00	1770.6	69.2	47.4	53.3
03/09/15	10:00:00	1770.7	69.6	54.6	55.9
03/09/15	11:00:00	1770.7	69.8	62.5	59.5
03/09/15	12:00:00	1770.7	70.1	69.7	63.5
03/09/15	13:00:00	1770.6	70.3	76.3	67.4
03/09/15	14:00:00	1770.6	70.4	82.5	71.2
03/09/15	15:00:00	1770.6	70.5	88.0	74.7

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/09/15	16:00:00	1770.6	70.5	91.9	78.2
03/09/15	17:00:00	1770.7	70.6	95.1	81.4
03/09/15	18:00:00	1771.0	70.6	96.7	80.2
03/09/15	19:00:00	1771.1	71.0	94.6	76.5
03/09/15	20:00:00	1771.1	70.9	87.1	73.3
03/09/15	21:00:00	1771.1	70.6	79.9	70.2
03/09/15	22:00:00	1771.5	70.5	73.2	67.4
03/09/15	23:00:00	1771.9	70.0	67.5	64.9
03/10/15	00:00:00	1771.9	69.8	63.1	62.8
03/10/15	01:00:00	1772.0	69.7	59.5	61.1
03/10/15	02:00:00	1772.3	69.7	56.3	59.6
03/10/15	03:00:00	1772.4	69.5	53.9	58.3
03/10/15	04:00:00	1772.0	69.4	51.9	57.2
03/10/15	05:00:00	1771.9	69.3	50.1	56.2
03/10/15	06:00:00	1772.0	69.2	48.8	55.4
03/10/15	07:00:00	1772.0	69.2	47.7	54.7
03/10/15	08:00:00	1772.5	69.1	46.8	54.2
03/10/15	09:00:00	1771.1	69.1	47.5	54.4
03/10/15	10:00:00	1771.8	69.2	52.6	56.3
03/10/15	11:00:00	1772.6	69.6	59.8	59.3
03/10/15	12:00:00	1772.7	69.7	68.5	63.4
03/10/15	13:00:00	1772.7	69.7	74.9	67.0
03/10/15	14:00:00	1772.7	69.9	80.3	70.1
03/10/15	15:00:00	1772.7	70.4	85.8	73.3
03/10/15	16:00:00	1773.1	70.7	84.8	73.5
03/10/15	17:00:00	1773.4	70.6	81.0	72.4
03/10/15	18:00:00	1773.4	70.5	78.3	71.3
03/10/15	19:00:00	1773.8	70.5	75.4	69.6
03/10/15	20:00:00	1774.9	70.4	72.0	67.9
03/10/15	21:00:00	1774.8	70.0	68.8	66.3
03/10/15	22:00:00	1774.5	69.8	66.0	64.8
03/10/15	23:00:00	1773.3	69.7	63.4	63.5
03/11/15	00:00:00	1773.0	69.7	61.0	62.1
03/11/15	01:00:00	1774.4	69.7	59.2	61.1
03/11/15	02:00:00	1774.8	69.7	57.9	60.2
03/11/15	03:00:00	1774.8	69.5	57.2	59.7
03/11/15	04:00:00	1775.0	69.6	56.9	59.3
03/11/15	05:00:00	1775.7	69.5	56.2	58.8
03/11/15	06:00:00	1775.6	69.3	55.3	58.2
03/11/15	07:00:00	1775.5	69.2	54.7	58.0
03/11/15	08:00:00	1775.2	69.2	54.4	57.6
03/11/15	09:00:00	1774.8	69.2	54.3	57.4
03/11/15	10:00:00	1775.6	69.2	54.6	57.5
03/11/15	11:00:00	1775.9	69.1	55.6	57.6
03/11/15	12:00:00	1776.8	69.2	57.1	58.4
03/11/15	13:00:00	1776.3	69.3	60.2	59.8
03/11/15	14:00:00	1776.4	69.5	62.8	60.8
03/11/15	15:00:00	1777.4	69.6	65.9	62.3
03/11/15	16:00:00	1777.7	69.7	69.2	64.1
03/11/15	17:00:00	1777.6	69.7	71.2	64.9
03/11/15	18:00:00	1777.4	69.7	69.8	64.7
03/11/15	19:00:00	1777.6	69.6	68.7	64.1
03/11/15	20:00:00	1777.7	69.7	66.4	62.8
03/11/15	21:00:00	1777.7	69.6	63.0	61.4
03/11/15	22:00:00	1777.7	69.4	60.0	60.1
03/11/15	23:00:00	1777.7	69.2	57.5	59.0
03/12/15	00:00:00	1777.7	69.2	55.5	58.0
03/12/15	01:00:00	1777.9	69.1	53.7	57.1
03/12/15	02:00:00	1778.3	69.1	52.1	56.2
03/12/15	03:00:00	1778.5	69.1	50.8	55.5
03/12/15	04:00:00	1778.5	69.1	49.7	54.7
03/12/15	05:00:00	1778.5	69.0	48.8	54.0
03/12/15	06:00:00	1778.5	68.9	48.2	53.6
03/12/15	07:00:00	1779.0	68.6	47.2	53.0
03/12/15	08:00:00	1779.3	68.5	47.0	52.5
03/12/15	09:00:00	1779.3	69.1	50.3	53.3
03/12/15	10:00:00	1779.4	69.4	56.8	56.1
03/12/15	11:00:00	1779.4	69.7	63.5	59.7
03/12/15	12:00:00	1779.3	69.7	68.6	63.2
03/12/15	13:00:00	1779.4	69.8	73.0	66.5
03/12/15	14:00:00	1779.3	69.8	77.5	69.6
03/12/15	15:00:00	1779.3	69.7	81.5	72.4
03/12/15	16:00:00	1779.6	69.8	85.1	75.2
03/12/15	17:00:00	1779.7	70.0	85.7	76.3
03/12/15	18:00:00	1779.9	70.2	84.8	74.9
03/12/15	19:00:00	1780.0	70.3	82.6	72.4
03/12/15	20:00:00	1780.0	70.3	77.8	69.9
03/12/15	21:00:00	1780.0	69.8	72.4	67.4
03/12/15	22:00:00	1780.3	69.7	67.7	65.4
03/12/15	23:00:00	1780.7	69.7	64.0	63.5
03/13/15	00:00:00	1781.6	69.6	61.3	62.0
03/13/15	01:00:00	1782.3	69.4	59.8	60.9
03/13/15	02:00:00	1781.4	69.2	57.4	59.6
03/13/15	03:00:00	1779.5	69.1	55.2	58.6
03/13/15	04:00:00	1780.3	69.1	53.5	57.5
03/13/15	05:00:00	1781.1	69.1	52.0	56.7
03/13/15	06:00:00	1780.8	69.1	50.9	56.0
03/13/15	07:00:00	1780.9	69.0	50.3	55.7
03/13/15	08:00:00	1780.8	69.0	50.4	55.6

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/13/15	09:00:00	1781.3	69.1	51.6	55.9
03/13/15	10:00:00	1781.4	69.4	57.9	58.2
03/13/15	11:00:00	1781.3	69.7	66.6	61.9
03/13/15	12:00:00	1782.3	69.7	74.6	66.0
03/13/15	13:00:00	1782.0	69.7	81.7	70.3
03/13/15	14:00:00	1782.7	69.9	86.9	73.6
03/13/15	15:00:00	1782.8	69.7	91.1	76.9
03/13/15	16:00:00	1783.2	70.2	95.0	79.7
03/13/15	17:00:00	1783.7	70.6	95.4	80.2
03/13/15	18:00:00	1784.0	70.7	95.1	79.7
03/13/15	19:00:00	1784.2	70.8	90.1	76.7
03/13/15	20:00:00	1784.4	70.6	83.7	74.0
03/13/15	21:00:00	1785.0	70.5	78.8	71.7
03/13/15	22:00:00	1785.1	70.2	74.8	69.9
03/13/15	23:00:00	1784.8	70.0	71.9	68.5
03/14/15	00:00:00	1784.5	69.7	69.3	67.2
03/14/15	01:00:00	1785.1	69.7	67.4	66.2
03/14/15	02:00:00	1785.5	69.7	65.7	65.2
03/14/15	03:00:00	1785.8	69.7	63.7	63.9
03/14/15	04:00:00	1785.9	69.6	61.5	62.7
03/14/15	05:00:00	1786.1	69.5	59.5	61.6
03/14/15	06:00:00	1786.6	69.2	57.8	60.7
03/14/15	07:00:00	1786.5	69.2	56.4	59.9
03/14/15	08:00:00	1787.0	69.1	55.4	59.4
03/14/15	09:00:00	1787.3	69.6	58.1	60.1
03/14/15	10:00:00	1787.3	69.7	64.9	62.5
03/14/15	11:00:00	1787.2	69.8	68.5	64.4
03/14/15	12:00:00	1787.6	69.8	72.7	66.5
03/14/15	13:00:00	1787.5	69.9	79.0	70.3
03/14/15	14:00:00	1787.9	69.9	86.2	74.9
03/14/15	15:00:00	1786.6	70.0	92.7	79.3
03/14/15	16:00:00	1784.9	70.5	96.7	82.8
03/14/15	17:00:00	1784.1	70.8	97.4	83.9
03/14/15	18:00:00	1783.6	70.8	95.7	82.4
03/14/15	19:00:00	1783.8	71.2	91.5	79.5
03/14/15	20:00:00	1784.2	70.7	86.8	76.7
03/14/15	21:00:00	1784.2	70.6	82.5	74.4
03/14/15	22:00:00	1784.3	70.6	78.6	72.2
03/14/15	23:00:00	1784.4	70.4	74.8	70.4
03/15/15	00:00:00	1784.3	69.9	71.4	68.7
03/15/15	01:00:00	1784.6	69.8	68.5	67.2
03/15/15	02:00:00	1784.7	69.7	66.0	65.9
03/15/15	03:00:00	1785.1	69.7	63.7	64.7
03/15/15	04:00:00	1785.1	69.7	61.7	63.4
03/15/15	05:00:00	1785.1	69.5	59.9	62.5
03/15/15	06:00:00	1785.1	69.4	58.5	61.6
03/15/15	07:00:00	1785.1	69.2	57.6	61.0
03/15/15	08:00:00	1785.1	69.2	57.3	60.5
03/15/15	09:00:00	1785.2	69.2	57.6	60.5
03/15/15	10:00:00	1784.9	69.7	63.0	62.7
03/15/15	11:00:00	1785.3	69.9	71.5	66.4
03/15/15	12:00:00	1784.6	70.0	77.2	69.6
03/15/15	13:00:00	1783.1	70.1	81.2	72.1
03/15/15	14:00:00	1782.1	70.3	85.3	75.0
03/15/15	15:00:00	1782.9	70.5	89.1	77.9
03/15/15	16:00:00	1783.1	70.6	87.7	78.3
03/15/15	17:00:00	1783.7	70.3	84.5	78.5
03/15/15	18:00:00	1784.0	70.2	84.2	77.6
03/15/15	19:00:00	1784.2	70.5	80.3	73.7
03/15/15	20:00:00	1784.5	70.2	74.2	70.7
03/15/15	21:00:00	1785.0	69.8	69.2	68.0
03/15/15	22:00:00	1785.1	69.7	64.9	65.6
03/15/15	23:00:00	1785.2	69.6	61.1	63.6
03/16/15	00:00:00	1785.4	69.3	58.5	61.9
03/16/15	01:00:00	1785.8	69.2	56.6	60.7
03/16/15	02:00:00	1785.3	69.1	55.3	59.8
03/16/15	03:00:00	1784.6	69.1	54.3	59.1
03/16/15	04:00:00	1785.4	69.1	53.7	58.5
03/16/15	05:00:00	1785.8	69.1	53.1	58.0
03/16/15	06:00:00	1785.8	69.1	52.4	57.4
03/16/15	07:00:00	1785.8	69.0	51.8	57.0
03/16/15	08:00:00	1785.9	68.9	51.6	56.8
03/16/15	09:00:00	1786.3	68.9	52.3	57.0
03/16/15	10:00:00	1786.5	69.0	53.9	57.7
03/16/15	11:00:00	1786.6	69.1	57.8	59.5
03/16/15	12:00:00	1786.6	69.2	63.2	62.1
03/16/15	13:00:00	1786.6	69.5	69.6	65.3
03/16/15	14:00:00	1786.3	69.6	74.9	68.4
03/16/15	15:00:00	1787.3	69.8	79.3	71.3
03/16/15	16:00:00	1787.1	69.7	82.3	73.5
03/16/15	17:00:00	1788.1	69.8	81.9	73.7
03/16/15	18:00:00	1788.7	70.1	78.8	72.1
03/16/15	19:00:00	1789.3	69.8	74.1	70.0
03/16/15	20:00:00	1789.4	69.7	70.2	68.0
03/16/15	21:00:00	1790.0	69.7	67.3	66.4
03/16/15	22:00:00	1790.3	69.7	65.1	65.2
03/16/15	23:00:00	1790.5	69.5	63.5	64.2
03/17/15	00:00:00	1790.9	69.3	62.1	63.3
03/17/15	01:00:00	1790.9	69.2	61.0	62.6

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/17/15	02:00:00	1791.6	69.2	60.0	62.0
03/17/15	03:00:00	1791.7	69.2	59.3	61.5
03/17/15	04:00:00	1791.7	69.2	58.9	61.1
03/17/15	05:00:00	1792.1	69.2	58.4	60.6
03/17/15	06:00:00	1792.3	69.2	57.6	60.0
03/17/15	07:00:00	1792.3	69.2	56.4	59.3
03/17/15	08:00:00	1792.6	69.1	55.0	58.5
03/17/15	09:00:00	1793.1	69.2	55.3	58.5
03/17/15	10:00:00	1793.4	69.5	61.0	60.5
03/17/15	11:00:00	1793.8	69.8	66.9	63.6
03/17/15	12:00:00	1793.8	69.8	71.2	66.5
03/17/15	13:00:00	1793.9	69.8	74.6	69.4
03/17/15	14:00:00	1793.8	69.8	78.5	72.3
03/17/15	15:00:00	1793.9	69.8	82.1	74.9
03/17/15	16:00:00	1793.9	69.9	84.9	77.7
03/17/15	17:00:00	1794.4	70.0	86.7	80.6
03/17/15	18:00:00	1794.6	70.1	86.7	79.0
03/17/15	19:00:00	1794.6	70.3	83.2	74.3
03/17/15	20:00:00	1794.8	70.2	74.5	70.5
03/17/15	21:00:00	1795.1	69.7	67.0	67.1
03/17/15	22:00:00	1795.3	69.7	62.7	64.6
03/17/15	23:00:00	1795.3	69.4	60.2	62.9
03/18/15	00:00:00	1795.3	69.2	58.5	61.5
03/18/15	01:00:00	1795.5	69.2	57.0	60.3
03/18/15	02:00:00	1795.5	69.2	55.6	59.4
03/18/15	03:00:00	1795.9	69.1	54.0	58.5
03/18/15	04:00:00	1796.0	69.1	52.4	57.7
03/18/15	05:00:00	1796.0	69.0	50.9	56.7
03/18/15	06:00:00	1796.2	68.7	49.8	56.0
03/18/15	07:00:00	1795.6	68.5	48.6	55.3
03/18/15	08:00:00	1795.3	68.4	47.8	54.8
03/18/15	09:00:00	1795.2	69.1	50.7	55.3
03/18/15	10:00:00	1794.2	69.2	59.1	58.2
03/18/15	11:00:00	1794.3	69.7	66.5	62.0
03/18/15	12:00:00	1794.5	69.7	71.5	65.6
03/18/15	13:00:00	1794.5	69.7	75.5	69.0
03/18/15	14:00:00	1794.0	69.7	79.7	72.3
03/18/15	15:00:00	1794.1	69.7	84.2	75.4
03/18/15	16:00:00	1794.1	69.7	87.7	78.8
03/18/15	17:00:00	1794.1	69.7	89.8	82.0
03/18/15	18:00:00	1794.3	70.1	89.7	80.3
03/18/15	19:00:00	1794.5	70.2	86.0	75.6
03/18/15	20:00:00	1794.4	70.3	79.8	72.5
03/18/15	21:00:00	1794.6	69.7	73.1	69.6
03/18/15	22:00:00	1794.6	69.7	67.8	67.2
03/18/15	23:00:00	1794.6	69.5	63.7	64.9
03/19/15	00:00:00	1794.6	69.2	60.4	63.1
03/19/15	01:00:00	1794.6	69.2	58.6	61.7
03/19/15	02:00:00	1794.6	69.1	56.9	60.6
03/19/15	03:00:00	1794.6	69.1	54.6	59.3
03/19/15	04:00:00	1794.9	69.0	52.5	58.2
03/19/15	05:00:00	1795.0	68.7	51.0	57.3
03/19/15	06:00:00	1795.1	68.6	49.5	56.3
03/19/15	07:00:00	1795.1	68.4	47.9	55.3
03/19/15	08:00:00	1795.3	68.4	46.9	54.6
03/19/15	09:00:00	1793.8	69.1	50.3	55.1
03/19/15	10:00:00	1792.9	69.2	57.7	57.5
03/19/15	11:00:00	1793.4	69.6	66.2	61.3
03/19/15	12:00:00	1793.9	69.7	74.2	65.7
03/19/15	13:00:00	1793.9	69.7	80.9	69.9
03/19/15	14:00:00	1794.3	69.8	87.0	73.7
03/19/15	15:00:00	1794.5	69.9	92.3	77.4
03/19/15	16:00:00	1794.5	70.0	95.8	81.5
03/19/15	17:00:00	1793.3	70.4	96.9	84.9
03/19/15	18:00:00	1793.5	70.6	95.2	83.0
03/19/15	19:00:00	1794.1	70.7	92.3	78.7
03/19/15	20:00:00	1794.6	70.6	86.6	75.4
03/19/15	21:00:00	1794.6	69.9	80.0	72.3
03/19/15	22:00:00	1794.7	69.8	73.7	69.5
03/19/15	23:00:00	1794.8	69.7	68.6	67.0
03/20/15	00:00:00	1795.2	69.5	64.2	64.7
03/20/15	01:00:00	1795.2	69.2	60.3	62.8
03/20/15	02:00:00	1794.2	69.2	57.5	61.2
03/20/15	03:00:00	1794.6	69.2	54.7	59.8
03/20/15	04:00:00	1795.3	69.1	52.3	58.5
03/20/15	05:00:00	1795.4	68.7	50.2	57.4
03/20/15	06:00:00	1795.4	68.5	48.6	56.3
03/20/15	07:00:00	1795.6	68.3	47.2	55.5
03/20/15	08:00:00	1796.1	68.4	46.5	55.1
03/20/15	09:00:00	1796.2	68.7	50.1	55.8
03/20/15	10:00:00	1796.2	69.0	55.9	58.2
03/20/15	11:00:00	1796.1	69.1	62.0	60.9
03/20/15	12:00:00	1795.5	69.2	67.6	63.8
03/20/15	13:00:00	1796.0	69.3	73.5	67.2
03/20/15	14:00:00	1796.0	69.8	79.2	70.2
03/20/15	15:00:00	1796.4	69.8	81.6	72.5
03/20/15	16:00:00	1796.6	69.8	83.4	74.7
03/20/15	17:00:00	1796.7	70.2	82.3	74.5
03/20/15	18:00:00	1796.7	69.9	79.7	73.1

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/20/15	19:00:00	1796.8	69.9	76.3	71.0
03/20/15	20:00:00	1796.9	69.8	70.7	68.3
03/20/15	21:00:00	1797.2	69.6	65.7	65.8
03/20/15	22:00:00	1797.3	69.3	62.2	63.8
03/20/15	23:00:00	1797.4	69.2	59.0	61.9
03/21/15	00:00:00	1797.5	69.2	56.4	60.4
03/21/15	01:00:00	1797.5	69.1	55.5	59.5
03/21/15	02:00:00	1797.5	69.0	55.2	59.0
03/21/15	03:00:00	1797.5	69.0	56.0	59.0
03/21/15	04:00:00	1798.3	69.1	56.5	59.0
03/21/15	05:00:00	1798.0	69.0	55.8	58.5
03/21/15	06:00:00	1798.2	68.6	53.9	57.6
03/21/15	07:00:00	1798.4	68.4	52.4	56.9
03/21/15	08:00:00	1798.4	68.6	51.8	56.6
03/21/15	09:00:00	1798.6	68.9	54.1	57.3
03/21/15	10:00:00	1798.7	69.1	61.4	59.8
03/21/15	11:00:00	1798.9	69.6	68.6	63.4
03/21/15	12:00:00	1799.0	69.6	74.4	67.2
03/21/15	13:00:00	1799.0	69.6	79.6	70.9
03/21/15	14:00:00	1798.9	69.6	83.9	74.3
03/21/15	15:00:00	1799.0	69.9	87.5	76.9
03/21/15	16:00:00	1799.0	70.2	89.8	78.9
03/21/15	17:00:00	1798.9	70.3	88.7	79.0
03/21/15	18:00:00	1798.9	70.4	87.2	78.0
03/21/15	19:00:00	1799.0	70.4	82.3	75.1
03/21/15	20:00:00	1799.0	69.9	77.2	72.4
03/21/15	21:00:00	1799.2	69.7	71.8	69.8
03/21/15	22:00:00	1799.6	69.6	67.3	67.5
03/21/15	23:00:00	1799.7	69.4	63.8	65.4
03/22/15	00:00:00	1799.8	69.2	61.8	64.1
03/22/15	01:00:00	1799.8	69.1	60.5	63.1
03/22/15	02:00:00	1799.8	69.1	59.1	62.0
03/22/15	03:00:00	1799.8	69.1	57.7	61.2
03/22/15	04:00:00	1800.1	69.1	56.9	60.5
03/22/15	05:00:00	1800.3	69.1	56.3	60.1
03/22/15	06:00:00	1800.4	69.1	55.7	59.6
03/22/15	07:00:00	1800.5	69.0	54.8	59.1
03/22/15	08:00:00	1800.5	68.8	53.8	58.5
03/22/15	09:00:00	1800.6	69.0	54.6	58.7
03/22/15	10:00:00	1801.0	69.3	61.7	60.9
03/22/15	11:00:00	1801.2	69.7	69.8	64.3
03/22/15	12:00:00	1801.1	69.7	74.7	67.3
03/22/15	13:00:00	1801.2	69.7	76.1	69.2
03/22/15	14:00:00	1801.2	69.7	76.9	70.6
03/22/15	15:00:00	1801.1	69.6	79.1	73.0
03/22/15	16:00:00	1801.1	69.9	81.6	75.0
03/22/15	17:00:00	1801.2	69.9	79.2	74.4
03/22/15	18:00:00	1801.2	69.9	77.2	73.3
03/22/15	19:00:00	1801.2	69.7	70.8	69.6
03/22/15	20:00:00	1801.2	69.6	65.5	66.7
03/22/15	21:00:00	1801.3	69.4	62.0	64.3
03/22/15	22:00:00	1801.4	69.2	59.9	62.9
03/22/15	23:00:00	1801.8	69.2	59.0	62.0
03/23/15	00:00:00	1801.9	69.1	58.5	61.5
03/23/15	01:00:00	1801.9	69.1	57.2	60.8
03/23/15	02:00:00	1801.9	69.1	56.0	59.9
03/23/15	03:00:00	1801.9	69.1	55.2	59.3
03/23/15	04:00:00	1801.9	69.0	54.8	58.8
03/23/15	05:00:00	1801.9	68.9	54.0	58.1
03/23/15	06:00:00	1802.0	68.5	52.4	57.3
03/23/15	07:00:00	1802.4	68.3	50.7	56.5
03/23/15	08:00:00	1802.1	68.4	50.2	56.0
03/23/15	09:00:00	1802.6	69.0	54.1	56.9
03/23/15	10:00:00	1802.7	69.1	59.6	59.1
03/23/15	11:00:00	1802.7	69.1	63.2	61.1
03/23/15	12:00:00	1802.8	69.4	67.4	63.5
03/23/15	13:00:00	1802.8	69.5	72.2	66.6
03/23/15	14:00:00	1802.9	69.4	74.7	68.7
03/23/15	15:00:00	1802.7	69.5	77.8	71.6
03/23/15	16:00:00	1802.9	69.5	80.4	74.7
03/23/15	17:00:00	1803.0	69.7	81.7	77.3
03/23/15	18:00:00	1803.2	69.7	79.8	74.6
03/23/15	19:00:00	1803.4	69.7	75.0	70.4
03/23/15	20:00:00	1803.4	69.6	67.1	66.8
03/23/15	21:00:00	1803.4	69.2	61.4	63.8
03/23/15	22:00:00	1803.4	69.1	58.3	61.7
03/23/15	23:00:00	1803.5	69.1	56.6	60.3
03/24/15	00:00:00	1804.0	69.0	55.5	59.3
03/24/15	01:00:00	1803.8	68.8	54.7	58.5
03/24/15	02:00:00	1804.0	68.6	53.8	57.9
03/24/15	03:00:00	1803.9	68.4	52.7	57.3
03/24/15	04:00:00	1804.1	68.3	51.6	56.6
03/24/15	05:00:00	1804.1	68.3	51.3	56.2
03/24/15	06:00:00	1804.0	68.3	51.4	55.8
03/24/15	07:00:00	1804.1	68.3	51.4	55.6
03/24/15	08:00:00	1804.2	68.3	51.4	55.7
03/24/15	09:00:00	1804.8	68.7	54.6	56.6
03/24/15	10:00:00	1804.7	69.0	59.5	58.7
03/24/15	11:00:00	1804.9	69.1	64.7	61.8

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/24/15	12:00:00	1805.0	69.2	68.5	64.6
03/24/15	13:00:00	1805.0	69.5	72.6	67.7
03/24/15	14:00:00	1805.0	69.5	75.1	69.9
03/24/15	15:00:00	1805.0	69.4	77.6	71.8
03/24/15	16:00:00	1805.0	69.8	79.6	73.2
03/24/15	17:00:00	1805.0	69.6	76.9	72.3
03/24/15	18:00:00	1805.0	69.6	75.8	71.6
03/24/15	19:00:00	1805.0	69.7	72.4	69.7
03/24/15	20:00:00	1804.7	69.6	68.6	67.6
03/24/15	21:00:00	1804.9	69.4	64.9	65.5
03/24/15	22:00:00	1805.0	69.1	61.7	63.6
03/24/15	23:00:00	1805.0	69.1	59.3	62.1
03/25/15	00:00:00	1805.3	69.1	57.4	60.8
03/25/15	01:00:00	1805.5	69.0	55.7	59.7
03/25/15	02:00:00	1805.5	68.9	54.3	58.8
03/25/15	03:00:00	1805.5	68.5	53.3	57.9
03/25/15	04:00:00	1805.5	68.4	52.5	57.3
03/25/15	05:00:00	1805.5	68.3	52.2	56.7
03/25/15	06:00:00	1805.5	68.3	51.5	56.3
03/25/15	07:00:00	1805.5	68.3	50.5	55.7
03/25/15	08:00:00	1805.8	68.3	49.9	55.3
03/25/15	09:00:00	1806.3	69.0	54.2	56.1
03/25/15	10:00:00	1806.4	69.1	61.1	58.4
03/25/15	11:00:00	1804.0	69.0	67.1	62.0
03/25/15	12:00:00	1802.3	69.2	72.8	66.0
03/25/15	13:00:00	1801.1	69.3	77.6	69.7
03/25/15	14:00:00	1800.2	69.4	82.2	73.4
03/25/15	15:00:00	1799.3	69.3	86.8	76.8
03/25/15	16:00:00	1798.7	69.5	91.6	80.5
03/25/15	17:00:00	1798.2	69.6	95.0	83.9
03/25/15	18:00:00	1798.6	69.7	96.0	81.7
03/25/15	19:00:00	1798.3	69.9	94.5	78.5
03/25/15	20:00:00	1798.4	70.4	88.9	75.6
03/25/15	21:00:00	1799.1	69.8	81.6	72.8
03/25/15	22:00:00	1801.6	69.7	74.3	70.2
03/25/15	23:00:00	1803.1	69.7	69.7	68.1
03/26/15	00:00:00	1804.0	69.5	66.0	66.1
03/26/15	01:00:00	1805.0	69.3	62.5	64.3
03/26/15	02:00:00	1805.5	69.2	59.3	62.7
03/26/15	03:00:00	1806.0	69.1	56.8	61.3
03/26/15	04:00:00	1807.1	69.1	54.7	60.1
03/26/15	05:00:00	1807.8	68.9	53.2	59.2
03/26/15	06:00:00	1808.5	68.8	52.0	58.3
03/26/15	07:00:00	1808.7	68.5	50.9	57.5
03/26/15	08:00:00	1809.5	68.7	50.1	57.0
03/26/15	09:00:00	1810.3	69.1	54.6	57.7
03/26/15	10:00:00	1810.5	69.4	63.0	60.4
03/26/15	11:00:00	1809.7	69.7	71.8	64.5
03/26/15	12:00:00	1810.2	69.8	79.3	68.9
03/26/15	13:00:00	1810.6	69.7	85.6	73.3
03/26/15	14:00:00	1810.6	69.8	91.1	77.4
03/26/15	15:00:00	1810.6	69.8	96.4	81.1
03/26/15	16:00:00	1811.3	70.2	101.1	85.1
03/26/15	17:00:00	1811.7	70.5	104.1	88.4
03/26/15	18:00:00	1812.1	70.7	105.7	86.6
03/26/15	19:00:00	1812.5	70.8	102.6	83.4
03/26/15	20:00:00	1813.0	70.9	94.3	80.2
03/26/15	21:00:00	1813.4	70.5	86.3	76.9
03/26/15	22:00:00	1813.7	70.4	79.9	74.1
03/26/15	23:00:00	1814.0	69.9	75.4	71.8
03/27/15	00:00:00	1814.3	69.7	71.3	69.7
03/27/15	01:00:00	1814.4	69.7	67.6	67.7
03/27/15	02:00:00	1815.1	69.6	64.3	66.0
03/27/15	03:00:00	1815.1	69.5	61.6	64.6
03/27/15	04:00:00	1815.3	69.3	59.3	63.3
03/27/15	05:00:00	1815.8	69.1	57.3	62.2
03/27/15	06:00:00	1815.8	69.1	55.6	61.3
03/27/15	07:00:00	1816.1	69.1	54.1	60.4
03/27/15	08:00:00	1816.7	69.1	53.4	59.7
03/27/15	09:00:00	1817.3	69.6	57.9	60.5
03/27/15	10:00:00	1817.3	69.7	66.2	63.1
03/27/15	11:00:00	1817.5	70.0	74.4	67.2
03/27/15	12:00:00	1817.8	70.5	81.6	71.8
03/27/15	13:00:00	1817.8	70.6	86.9	76.2
03/27/15	14:00:00	1817.8	70.6	90.2	79.8
03/27/15	15:00:00	1817.8	70.7	93.0	82.7
03/27/15	16:00:00	1817.9	70.7	95.6	85.7
03/27/15	17:00:00	1817.9	70.7	94.6	87.5
03/27/15	18:00:00	1818.2	70.6	90.8	83.9
03/27/15	19:00:00	1818.7	70.7	87.0	79.1
03/27/15	20:00:00	1818.7	70.7	78.8	75.2
03/27/15	21:00:00	1819.0	70.5	71.8	71.8
03/27/15	22:00:00	1819.3	69.9	66.8	68.9
03/27/15	23:00:00	1819.4	69.8	63.0	66.5
03/28/15	00:00:00	1819.4	69.7	60.4	64.8
03/28/15	01:00:00	1819.8	69.4	58.0	63.4
03/28/15	02:00:00	1820.1	69.2	56.4	62.0
03/28/15	03:00:00	1820.2	69.2	56.6	61.1
03/28/15	04:00:00	1820.4	69.2	56.4	60.6

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/28/15	05:00:00	1820.9	69.1	55.3	59.8
03/28/15	06:00:00	1821.0	69.1	54.4	59.2
03/28/15	07:00:00	1821.0	69.1	53.3	58.6
03/28/15	08:00:00	1821.6	69.1	52.2	58.0
03/28/15	09:00:00	1821.8	69.2	56.0	58.7
03/28/15	10:00:00	1821.9	69.5	61.2	60.9
03/28/15	11:00:00	1821.9	69.7	68.2	64.7
03/28/15	12:00:00	1822.2	69.8	74.7	68.8
03/28/15	13:00:00	1822.3	70.0	79.8	72.9
03/28/15	14:00:00	1822.3	70.1	84.6	76.8
03/28/15	15:00:00	1822.3	70.2	89.6	80.4
03/28/15	16:00:00	1822.4	70.6	93.6	84.2
03/28/15	17:00:00	1822.4	70.6	95.6	87.6
03/28/15	18:00:00	1822.5	70.9	94.6	85.2
03/28/15	19:00:00	1823.0	70.8	90.6	80.6
03/28/15	20:00:00	1823.2	70.8	83.7	76.9
03/28/15	21:00:00	1823.2	70.6	76.1	73.4
03/28/15	22:00:00	1820.3	70.1	70.3	70.5
03/28/15	23:00:00	1820.4	69.8	65.6	67.8
03/29/15	00:00:00	1821.1	69.7	62.0	65.7
03/29/15	01:00:00	1821.3	69.6	59.4	64.0
03/29/15	02:00:00	1821.5	69.4	58.1	62.8
03/29/15	03:00:00	1821.6	69.2	57.0	61.7
03/29/15	04:00:00	1821.7	69.1	54.6	60.4
03/29/15	05:00:00	1821.8	69.1	52.7	59.3
03/29/15	06:00:00	1821.8	69.1	51.3	58.3
03/29/15	07:00:00	1821.8	69.0	49.6	57.3
03/29/15	08:00:00	1822.0	69.0	48.7	56.6
03/29/15	09:00:00	1822.5	69.4	53.9	57.7
03/29/15	10:00:00	1822.5	69.6	63.4	61.3
03/29/15	11:00:00	1822.4	69.7	72.5	66.0
03/29/15	12:00:00	1822.1	70.3	78.9	70.5
03/29/15	13:00:00	1822.0	70.5	83.8	74.8
03/29/15	14:00:00	1821.7	70.6	89.0	78.8
03/29/15	15:00:00	1821.8	70.6	94.0	82.3
03/29/15	16:00:00	1821.9	70.6	97.7	86.1
03/29/15	17:00:00	1821.7	70.9	99.6	89.6
03/29/15	18:00:00	1822.1	71.2	99.0	87.7
03/29/15	19:00:00	1822.3	71.1	95.9	82.9
03/29/15	20:00:00	1822.4	71.2	89.4	79.1
03/29/15	21:00:00	1822.5	70.6	82.6	75.8
03/29/15	22:00:00	1822.5	70.5	76.5	72.9
03/29/15	23:00:00	1822.6	70.0	71.1	70.2
03/30/15	00:00:00	1822.8	69.7	66.4	67.6
03/30/15	01:00:00	1822.9	69.7	62.4	65.6
03/30/15	02:00:00	1823.2	69.6	58.8	63.8
03/30/15	03:00:00	1823.2	69.3	56.1	62.2
03/30/15	04:00:00	1823.2	69.2	54.0	60.8
03/30/15	05:00:00	1823.2	69.1	51.9	59.6
03/30/15	06:00:00	1823.2	69.1	50.1	58.5
03/30/15	07:00:00	1823.3	69.1	48.8	57.5
03/30/15	08:00:00	1823.7	69.1	48.4	57.0
03/30/15	09:00:00	1824.0	69.5	54.1	58.2
03/30/15	10:00:00	1823.9	69.7	63.9	61.9
03/30/15	11:00:00	1824.5	70.0	72.3	66.2
03/30/15	12:00:00	1825.0	70.5	79.4	70.9
03/30/15	13:00:00	1825.4	70.5	85.2	75.0
03/30/15	14:00:00	(2)	70.5	89.6	78.2
03/30/15	15:00:00	1143.4	70.7	92.7	80.4
03/30/15	16:00:00	1825.4	70.6	95.8	84.0
03/30/15	17:00:00	1825.8	71.1	96.8	86.3
03/30/15	18:00:00	1826.1	71.2	92.3	83.8
03/30/15	19:00:00	1826.1	71.1	84.0	78.9
03/30/15	20:00:00	1826.7	70.7	76.3	74.8
03/30/15	21:00:00	1826.8	70.6	70.9	71.6
03/30/15	22:00:00	1826.8	70.1	66.8	69.1
03/30/15	23:00:00	1826.6	69.8	62.9	66.9
03/31/15	00:00:00	1826.2	69.7	59.9	65.0
03/31/15	01:00:00	1826.3	69.6	57.4	63.4
03/31/15	02:00:00	1826.7	69.5	57.9	62.4
03/31/15	03:00:00	1826.8	69.5	58.6	61.9
03/31/15	04:00:00	1826.8	69.3	58.7	61.4
03/31/15	05:00:00	1826.8	69.3	58.0	60.6
03/31/15	06:00:00	1826.8	69.2	57.1	59.8
03/31/15	07:00:00	1826.8	69.2	56.5	59.2
03/31/15	08:00:00	1826.8	69.3	56.0	58.8
03/31/15	09:00:00	1826.8	69.7	59.3	59.8
03/31/15	10:00:00	1827.0	69.7	63.9	62.3
03/31/15	11:00:00	1827.3	69.9	67.8	65.2
03/31/15	12:00:00	1827.0	70.3	70.8	68.1
03/31/15	13:00:00	1827.0	70.4	73.7	71.0
03/31/15	14:00:00	1826.9	70.2	76.8	73.6
03/31/15	15:00:00	1826.9	70.0	80.2	75.9
03/31/15	16:00:00	1826.9	70.5	82.7	78.3
03/31/15	17:00:00	1827.2	70.5	83.1	80.3
03/31/15	18:00:00	1827.3	70.5	82.1	79.2
03/31/15	19:00:00	1827.5	70.5	79.2	74.4
03/31/15	20:00:00	1827.5	70.5	74.1	71.5
03/31/15	21:00:00	1827.5	70.0	68.2	68.6

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
03/31/15	22:00:00	1827.7	69.7	63.1	65.9
03/31/15	23:00:00	1828.0	69.7	59.4	63.8
04/01/15	00:00:00	1828.1	69.5	56.1	61.8
04/01/15	01:00:00	1828.4	69.2	53.3	59.9
04/01/15	02:00:00	1828.4	69.1	51.5	58.5
04/01/15	03:00:00	1828.4	69.1	50.1	57.4
04/01/15	04:00:00	1828.4	69.1	48.6	56.3
04/01/15	05:00:00	1828.5	68.9	46.7	55.2
04/01/15	06:00:00	1828.8	68.6	45.4	54.3
04/01/15	07:00:00	1828.9	68.5	44.6	53.4
04/01/15	08:00:00	1826.6	68.6	44.6	53.1
04/01/15	09:00:00	1824.3	69.0	50.5	54.5
04/01/15	10:00:00	1823.1	69.2	58.3	57.7
04/01/15	11:00:00	1822.2	69.5	64.0	61.3
04/01/15	12:00:00	1821.3	69.5	68.4	65.1
04/01/15	13:00:00	1820.5	69.5	71.2	67.8
04/01/15	14:00:00	1819.7	69.5	73.7	69.8
04/01/15	15:00:00	1818.9	69.5	77.3	72.2
04/01/15	16:00:00	1818.3	69.9	80.1	74.5
04/01/15	17:00:00	1817.7	69.5	81.2	77.1
04/01/15	18:00:00	1817.2	69.6	81.7	77.3
04/01/15	19:00:00	1816.7	69.8	78.3	72.2
04/01/15	20:00:00	1816.3	69.7	70.1	68.2
04/01/15	21:00:00	1815.9	69.5	62.7	64.7
04/01/15	22:00:00	1815.3	69.2	58.4	62.3
04/01/15	23:00:00	1815.1	69.0	55.6	60.6
04/02/15	00:00:00	1814.5	69.0	53.9	59.3
04/02/15	01:00:00	1814.2	69.0	52.4	58.2
04/02/15	02:00:00	1813.7	68.8	50.9	57.2
04/02/15	03:00:00	1813.6	68.7	50.3	56.5
04/02/15	04:00:00	1813.0	68.5	50.3	55.9
04/02/15	05:00:00	1812.9	68.4	50.1	55.3
04/02/15	06:00:00	1812.5	68.3	49.4	54.7
04/02/15	07:00:00	1812.2	68.1	48.8	54.0
04/02/15	08:00:00	1811.9	68.4	48.9	53.8
04/02/15	09:00:00	1811.5	68.9	53.1	55.0
04/02/15	10:00:00	1811.5	68.9	58.7	57.8
04/02/15	11:00:00	1811.3	69.3	63.5	61.3
04/02/15	12:00:00	1810.9	69.4	67.5	64.9
04/02/15	13:00:00	1810.8	69.5	70.9	68.4
04/02/15	14:00:00	1810.2	69.5	74.7	71.5
04/02/15	15:00:00	1810.0	69.5	78.6	74.4
04/02/15	16:00:00	1810.0	69.6	81.4	77.4
04/02/15	17:00:00	1809.6	69.5	82.7	80.2
04/02/15	18:00:00	1809.4	69.6	82.2	79.3
04/02/15	19:00:00	1809.3	69.8	80.3	74.6
04/02/15	20:00:00	1809.3	70.1	75.1	71.3
04/02/15	21:00:00	1809.1	69.6	68.2	68.0
04/02/15	22:00:00	1808.8	69.5	61.7	64.7
04/02/15	23:00:00	1808.6	69.1	57.2	62.1
04/03/15	00:00:00	1808.6	69.0	54.8	60.3
04/03/15	01:00:00	1808.3	69.0	52.6	58.8
04/03/15	02:00:00	1808.0	68.9	50.7	57.6
04/03/15	03:00:00	1807.9	68.6	49.3	56.6
04/03/15	04:00:00	1807.9	68.4	47.6	55.6
04/03/15	05:00:00	1807.7	68.2	45.6	54.5
04/03/15	06:00:00	1807.5	68.1	44.9	53.7
04/03/15	07:00:00	1807.2	68.1	44.3	53.1
04/03/15	08:00:00	(3)	(3)	(3)	(3)
04/03/15	09:00:00	1807.2	68.9	50.5	54.4
04/03/15	10:00:00	1807.2	69.0	57.1	57.1
04/03/15	11:00:00	1809.9	69.5	64.7	61.0
04/03/15	12:00:00	1812.2	69.7	70.7	65.1
04/03/15	13:00:00	1813.5	69.7	75.2	69.3
04/03/15	14:00:00	1814.6	69.7	79.9	73.1
04/03/15	15:00:00	1815.4	69.9	85.1	76.7
04/03/15	16:00:00	1816.2	70.4	89.0	80.4
04/03/15	17:00:00	1816.5	70.5	90.8	83.4
04/03/15	18:00:00	1817.7	70.6	90.0	82.7
04/03/15	19:00:00	1818.4	70.7	85.8	77.3
04/03/15	20:00:00	1819.2	70.6	77.0	72.9
04/03/15	21:00:00	1819.7	70.2	67.8	68.5
04/03/15	22:00:00	1820.5	69.7	61.5	65.2
04/03/15	23:00:00	1821.2	69.7	57.6	62.9
04/04/15	00:00:00	1821.8	69.3	53.8	60.6
04/04/15	01:00:00	1822.4	69.1	50.6	58.7
04/04/15	02:00:00	1822.9	69.1	49.1	57.5
04/04/15	03:00:00	1823.3	69.1	49.7	56.8
04/04/15	04:00:00	1823.8	69.1	48.4	55.7
04/04/15	05:00:00	1824.3	69.0	46.7	54.8
04/04/15	06:00:00	1824.7	68.6	45.1	53.9
04/04/15	07:00:00	1824.9	68.5	43.6	53.3
04/04/15	08:00:00	1825.4	68.6	43.4	52.9
04/04/15	09:00:00	(4)	69.1	49.1	54.4
04/04/15	10:00:00	(4)	69.4	58.0	57.7
04/04/15	11:00:00	(4)	69.8	65.1	61.6
04/04/15	12:00:00	(4)	69.9	71.2	65.4
04/04/15	13:00:00	(4)	70.5	74.1	68.6

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/04/15	14:00:00	(4)	70.2	76.4	71.1
04/04/15	15:00:00	(4)	70.0	80.6	73.3
04/04/15	16:00:00	(4)	71.3	82.3	75.3
04/04/15	17:00:00	1820.7	71.2	83.1	77.2
04/04/15	18:00:00	1820.5	71.3	75.4	72.5
04/04/15	19:00:00	1821.0	70.6	67.2	68.0
04/04/15	20:00:00	1821.1	70.3	62.3	64.9
04/04/15	21:00:00	1821.7	69.8	59.5	62.8
04/04/15	22:00:00	1821.7	69.7	58.0	61.4
04/04/15	23:00:00	1821.9	69.7	56.6	60.2
04/05/15	00:00:00	1822.5	69.6	55.1	59.0
04/05/15	01:00:00	1822.5	69.4	53.9	58.0
04/05/15	02:00:00	1822.9	69.1	52.8	57.2
04/05/15	03:00:00	1823.2	69.1	51.9	56.5
04/05/15	04:00:00	1823.2	69.2	51.2	55.7
04/05/15	05:00:00	1823.3	69.1	49.7	54.9
04/05/15	06:00:00	1823.8	69.1	48.1	54.2
04/05/15	07:00:00	1823.9	69.0	46.8	53.7
04/05/15	08:00:00	1824.1	69.1	46.9	53.7
04/05/15	09:00:00	1824.2	69.1	49.6	54.7
04/05/15	10:00:00	1824.6	69.1	53.4	56.7
04/05/15	11:00:00	1824.6	69.3	58.1	59.2
04/05/15	12:00:00	1824.6	69.5	62.1	61.4
04/05/15	13:00:00	1824.9	69.7	65.3	63.4
04/05/15	14:00:00	1825.3	69.8	59.6	60.1
04/05/15	15:00:00	1825.3	69.4	56.9	59.0
04/05/15	16:00:00	1825.3	69.2	58.2	59.8
04/05/15	17:00:00	1825.4	69.2	62.5	62.4
04/05/15	18:00:00	1825.5	69.3	65.5	64.3
04/05/15	19:00:00	1825.8	69.4	66.4	62.3
04/05/15	20:00:00	1826.0	69.6	61.6	59.9
04/05/15	21:00:00	1826.1	69.2	55.9	57.7
04/05/15	22:00:00	1826.1	69.1	52.4	56.2
04/05/15	23:00:00	1826.4	69.1	49.9	54.8
04/06/15	00:00:00	1826.2	68.9	47.9	53.8
04/06/15	01:00:00	1826.5	68.7	46.0	52.9
04/06/15	02:00:00	1826.8	68.5	44.7	52.1
04/06/15	03:00:00	1826.8	68.3	43.7	51.4
04/06/15	04:00:00	1827.0	68.3	42.3	50.8
04/06/15	05:00:00	1827.3	68.3	41.1	50.2
04/06/15	06:00:00	1827.4	68.3	39.8	49.4
04/06/15	07:00:00	1827.5	68.3	38.5	48.7
04/06/15	08:00:00	1827.8	68.3	38.8	48.4
04/06/15	09:00:00	1828.3	68.9	44.9	50.4
04/06/15	10:00:00	1828.4	69.2	53.1	54.1
04/06/15	11:00:00	1828.4	69.6	60.7	57.6
04/06/15	12:00:00	1828.6	69.7	66.1	60.8
04/06/15	13:00:00	1828.5	69.8	71.2	64.4
04/06/15	14:00:00	1828.3	69.8	74.1	67.3
04/06/15	15:00:00	1828.4	69.8	75.9	69.3
04/06/15	16:00:00	1828.7	69.8	76.1	70.6
04/06/15	17:00:00	1828.8	70.3	73.9	69.7
04/06/15	18:00:00	1829.0	69.9	70.9	68.1
04/06/15	19:00:00	1829.1	69.9	69.5	66.9
04/06/15	20:00:00	1829.1	69.8	65.9	64.8
04/06/15	21:00:00	1829.1	69.7	62.4	62.7
04/06/15	22:00:00	1829.2	69.6	59.5	61.0
04/06/15	23:00:00	1829.8	69.4	57.6	59.7
04/07/15	00:00:00	1829.8	69.2	55.3	58.4
04/07/15	01:00:00	1829.8	69.1	52.6	57.1
04/07/15	02:00:00	1829.8	69.1	50.8	56.0
04/07/15	03:00:00	1830.0	69.2	49.3	55.2
04/07/15	04:00:00	1830.4	69.1	49.1	54.7
04/07/15	05:00:00	1830.5	69.0	48.8	54.1
04/07/15	06:00:00	1830.5	68.9	47.7	52.9
04/07/15	07:00:00	1830.5	68.8	46.8	51.7
04/07/15	08:00:00	1830.6	68.4	46.5	50.6
04/07/15	09:00:00	1830.7	68.3	46.6	50.0
04/07/15	10:00:00	1831.0	68.3	46.7	49.8
04/07/15	11:00:00	1831.2	68.6	49.2	51.5
04/07/15	12:00:00	1831.2	69.2	55.1	54.8
04/07/15	13:00:00	1831.2	69.2	58.7	56.3
04/07/15	14:00:00	1831.2	69.1	58.7	56.5
04/07/15	15:00:00	1831.3	69.2	58.9	57.1
04/07/15	16:00:00	1831.7	69.0	62.8	59.0
04/07/15	17:00:00	1831.8	69.4	63.8	59.6
04/07/15	18:00:00	1831.9	69.4	56.1	55.7
04/07/15	19:00:00	1831.9	68.5	55.2	54.7
04/07/15	20:00:00	1831.9	69.2	55.6	54.2
04/07/15	21:00:00	1832.1	68.9	52.3	53.3
04/07/15	22:00:00	1832.1	68.7	50.5	52.6
04/07/15	23:00:00	1831.9	68.5	48.8	52.0
04/08/15	00:00:00	1832.3	68.3	46.9	51.3
04/08/15	01:00:00	1832.7	68.3	46.1	51.1
04/08/15	02:00:00	1832.7	68.3	45.9	50.8
04/08/15	03:00:00	1832.9	68.3	44.8	50.3
04/08/15	04:00:00	1833.1	68.3	43.9	49.8
04/08/15	05:00:00	1833.3	68.3	42.7	49.3
04/08/15	06:00:00	1833.4	68.3	42.0	49.1

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/08/15	07:00:00	1833.4	68.3	41.5	48.8
04/08/15	08:00:00	1833.5	68.3	41.5	48.9
04/08/15	09:00:00	1833.8	68.3	44.0	50.0
04/08/15	10:00:00	1834.1	68.9	48.5	52.0
04/08/15	11:00:00	1834.2	69.2	53.3	54.1
04/08/15	12:00:00	1834.3	69.7	61.4	58.0
04/08/15	13:00:00	1834.1	69.8	66.5	60.5
04/08/15	14:00:00	1834.5	69.6	68.9	62.5
04/08/15	15:00:00	1834.5	69.5	74.1	65.6
04/08/15	16:00:00	1834.2	69.6	77.6	68.8
04/08/15	17:00:00	1834.5	69.7	78.9	71.2
04/08/15	18:00:00	1834.7	69.7	78.3	71.5
04/08/15	19:00:00	1834.9	69.8	74.9	67.0
04/08/15	20:00:00	1835.0	69.8	68.7	63.7
04/08/15	21:00:00	1835.0	69.7	62.4	61.0
04/08/15	22:00:00	1835.0	69.3	57.8	58.9
04/08/15	23:00:00	1835.2	69.2	54.0	57.0
04/09/15	00:00:00	1835.5	69.1	50.7	55.3
04/09/15	01:00:00	1835.7	69.1	48.1	53.9
04/09/15	02:00:00	1835.8	69.0	46.4	53.1
04/09/15	03:00:00	1835.8	68.9	45.1	52.3
04/09/15	04:00:00	1836.1	68.7	44.2	51.9
04/09/15	05:00:00	1836.3	68.6	43.1	51.2
04/09/15	06:00:00	1836.4	68.4	41.8	50.5
04/09/15	07:00:00	1836.4	68.3	40.6	49.9
04/09/15	08:00:00	1836.7	68.6	40.9	49.9
04/09/15	09:00:00	1837.1	69.2	46.3	51.5
04/09/15	10:00:00	1837.1	69.6	54.5	54.9
04/09/15	11:00:00	1837.2	69.7	61.9	58.2
04/09/15	12:00:00	1837.1	69.8	68.0	61.5
04/09/15	13:00:00	1837.2	70.1	72.6	64.7
04/09/15	14:00:00	1837.5	70.0	77.0	67.5
04/09/15	15:00:00	1837.5	69.9	81.6	70.4
04/09/15	16:00:00	1837.4	70.1	83.4	72.3
04/09/15	17:00:00	1837.6	70.0	86.7	75.5
04/09/15	18:00:00	1837.8	70.2	88.7	76.8
04/09/15	19:00:00	1837.8	70.6	87.2	73.0
04/09/15	20:00:00	1837.8	70.6	81.6	70.0
04/09/15	21:00:00	1837.8	70.4	75.1	67.3
04/09/15	22:00:00	1837.9	69.9	69.9	65.1
04/09/15	23:00:00	1838.3	69.7	64.9	62.8
04/10/15	00:00:00	1838.1	69.7	59.7	60.4
04/10/15	01:00:00	1837.7	69.6	55.9	58.6
04/10/15	02:00:00	1837.3	69.3	53.3	57.4
04/10/15	03:00:00	1837.3	69.2	51.2	56.5
04/10/15	04:00:00	1837.2	69.1	49.4	55.5
04/10/15	05:00:00	1837.1	69.1	48.0	54.6
04/10/15	06:00:00	1837.1	69.2	46.4	53.7
04/10/15	07:00:00	1837.1	69.2	45.1	53.0
04/10/15	08:00:00	1837.3	69.2	45.4	52.9
04/10/15	09:00:00	1837.7	69.6	51.6	54.8
04/10/15	10:00:00	1837.7	70.1	59.6	58.0
04/10/15	11:00:00	1837.8	70.5	66.5	61.4
04/10/15	12:00:00	1837.7	70.6	72.2	64.9
04/10/15	13:00:00	1837.7	70.6	76.8	68.1
04/10/15	14:00:00	1837.6	70.6	81.3	71.2
04/10/15	15:00:00	1837.2	70.6	85.4	74.0
04/10/15	16:00:00	1837.1	70.6	88.3	77.2
04/10/15	17:00:00	1837.1	70.6	89.7	79.8
04/10/15	18:00:00	1837.1	70.7	88.6	79.7
04/10/15	19:00:00	1837.1	70.7	84.2	74.6
04/10/15	20:00:00	1837.1	70.9	76.5	70.5
04/10/15	21:00:00	1837.1	70.6	68.5	66.8
04/10/15	22:00:00	1837.2	70.2	63.1	63.9
04/10/15	23:00:00	1837.3	69.7	59.3	61.7
04/11/15	00:00:00	1837.5	69.7	56.6	60.2
04/11/15	01:00:00	1837.6	69.7	55.2	58.8
04/11/15	02:00:00	1837.8	69.6	53.6	57.7
04/11/15	03:00:00	1837.8	69.4	51.8	56.9
04/11/15	04:00:00	1837.8	69.2	50.1	56.0
04/11/15	05:00:00	1837.8	69.2	48.6	55.2
04/11/15	06:00:00	1837.8	69.1	47.4	54.5
04/11/15	07:00:00	1837.8	69.1	46.4	53.9
04/11/15	08:00:00	1838.0	69.1	46.8	54.0
04/11/15	09:00:00	1838.4	69.6	52.4	55.9
04/11/15	10:00:00	1838.6	70.2	60.9	59.3
04/11/15	11:00:00	1838.6	70.5	68.9	63.4
04/11/15	12:00:00	1838.4	70.5	73.5	66.5
04/11/15	13:00:00	1838.6	70.5	75.3	68.3
04/11/15	14:00:00	1838.6	70.5	79.9	71.2
04/11/15	15:00:00	1838.6	70.5	84.5	74.3
04/11/15	16:00:00	1838.6	70.6	88.2	77.7
04/11/15	17:00:00	1838.6	70.7	90.9	80.9
04/11/15	18:00:00	1838.6	71.2	89.6	80.8
04/11/15	19:00:00	1838.6	71.0	84.2	75.4
04/11/15	20:00:00	1838.6	71.1	76.2	71.0
04/11/15	21:00:00	1838.6	70.6	68.3	67.4
04/11/15	22:00:00	1838.6	70.5	63.9	64.9
04/11/15	23:00:00	1838.6	70.2	61.5	63.2

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/12/15	00:00:00	1838.6	69.8	59.7	61.8
04/12/15	01:00:00	1839.1	69.7	58.3	60.7
04/12/15	02:00:00	1839.1	69.7	56.5	59.7
04/12/15	03:00:00	1839.3	69.7	54.4	58.6
04/12/15	04:00:00	1839.3	69.7	52.7	57.5
04/12/15	05:00:00	1839.3	69.6	51.4	56.5
04/12/15	06:00:00	1839.3	69.4	50.0	55.7
04/12/15	07:00:00	1839.3	69.2	48.6	54.9
04/12/15	08:00:00	1839.8	69.4	49.3	54.8
04/12/15	09:00:00	1838.6	69.8	55.4	57.0
04/12/15	10:00:00	1837.8	70.5	62.7	60.4
04/12/15	11:00:00	1837.9	70.5	69.3	64.0
04/12/15	12:00:00	1838.7	70.7	74.9	67.6
04/12/15	13:00:00	1839.2	70.9	79.3	70.8
04/12/15	14:00:00	1838.9	71.1	83.6	74.0
04/12/15	15:00:00	1838.6	70.9	88.0	77.0
04/12/15	16:00:00	1839.0	70.9	91.7	80.5
04/12/15	17:00:00	1839.2	71.2	94.5	83.9
04/12/15	18:00:00	1839.2	71.3	95.6	84.6
04/12/15	19:00:00	1839.3	71.3	94.8	80.2
04/12/15	20:00:00	1839.3	71.7	88.2	76.4
04/12/15	21:00:00	1839.3	71.2	79.2	72.6
04/12/15	22:00:00	1839.4	71.0	72.2	69.5
04/12/15	23:00:00	1839.5	70.6	66.7	66.8
04/13/15	00:00:00	1839.8	70.6	63.3	64.9
04/13/15	01:00:00	1839.9	70.5	60.4	63.3
04/13/15	02:00:00	1840.0	70.2	57.6	61.6
04/13/15	03:00:00	1840.0	69.8	55.3	60.3
04/13/15	04:00:00	1839.8	69.7	53.3	59.2
04/13/15	05:00:00	1839.6	69.7	51.3	58.0
04/13/15	06:00:00	1840.0	69.7	49.5	56.9
04/13/15	07:00:00	1840.0	69.7	48.1	55.9
04/13/15	08:00:00	1840.7	69.7	49.1	55.9
04/13/15	09:00:00	1840.8	70.4	56.0	58.2
04/13/15	10:00:00	1840.8	70.9	64.8	61.9
04/13/15	11:00:00	1840.9	71.2	73.0	65.8
04/13/15	12:00:00	1840.9	71.3	78.8	69.6
04/13/15	13:00:00	1840.7	71.3	81.1	72.6
04/13/15	14:00:00	1840.8	71.2	83.3	75.3
04/13/15	15:00:00	1840.7	71.2	85.5	77.4
04/13/15	16:00:00	1840.8	71.2	84.9	78.7
04/13/15	17:00:00	1840.8	71.2	84.2	80.2
04/13/15	18:00:00	1841.0	71.2	81.1	78.5
04/13/15	19:00:00	1841.1	71.2	77.1	73.1
04/13/15	20:00:00	1841.3	71.2	71.1	69.0
04/13/15	21:00:00	1841.5	70.8	64.1	65.5
04/13/15	22:00:00	1841.5	70.6	59.6	62.6
04/13/15	23:00:00	1841.5	70.5	57.2	60.7
04/14/15	00:00:00	1841.5	70.3	55.6	59.5
04/14/15	01:00:00	1841.6	69.8	54.7	58.8
04/14/15	02:00:00	1841.8	69.9	54.3	58.3
04/14/15	03:00:00	1842.0	69.8	53.3	57.3
04/14/15	04:00:00	1842.2	69.7	51.3	55.8
04/14/15	05:00:00	1842.2	69.7	49.3	54.5
04/14/15	06:00:00	1842.1	69.7	47.5	53.4
04/14/15	07:00:00	1842.2	69.7	45.6	52.5
04/14/15	08:00:00	1842.0	69.8	46.2	52.5
04/14/15	09:00:00	1842.8	70.4	51.9	54.6
04/14/15	10:00:00	1843.6	70.7	58.8	57.9
04/14/15	11:00:00	1843.8	70.9	63.8	60.8
04/14/15	12:00:00	1843.7	71.0	67.5	63.6
04/14/15	13:00:00	1844.3	71.2	70.3	66.2
04/14/15	14:00:00	1844.5	71.1	72.7	68.6
04/14/15	15:00:00	1844.5	70.7	75.3	70.7
04/14/15	16:00:00	1844.8	70.8	77.3	73.2
04/14/15	17:00:00	1845.0	71.0	78.4	75.6
04/14/15	18:00:00	1845.2	71.1	77.9	75.6
04/14/15	19:00:00	1845.2	71.1	75.9	70.8
04/14/15	20:00:00	1845.4	71.3	71.4	67.4
04/14/15	21:00:00	1845.8	71.1	64.0	64.1
04/14/15	22:00:00	1845.9	70.6	58.7	61.5
04/14/15	23:00:00	1845.9	70.6	55.2	59.5
04/15/15	00:00:00	1846.3	70.6	52.6	57.9
04/15/15	01:00:00	1846.6	70.3	50.2	56.4
04/15/15	02:00:00	1846.7	70.0	48.7	55.3
04/15/15	03:00:00	1846.7	69.9	48.4	54.6
04/15/15	04:00:00	1847.2	69.9	47.3	53.7
04/15/15	05:00:00	1847.3	69.8	47.1	53.1
04/15/15	06:00:00	1847.3	69.8	47.8	52.9
04/15/15	07:00:00	1847.6	69.8	47.9	52.5
04/15/15	08:00:00	1848.1	70.1	49.8	52.9
04/15/15	09:00:00	1848.2	70.6	55.4	55.4
04/15/15	10:00:00	1848.5	71.2	61.4	58.7
04/15/15	11:00:00	1848.6	71.3	66.0	61.9
04/15/15	12:00:00	1848.8	71.3	69.9	65.0
04/15/15	13:00:00	1848.9	71.5	73.3	68.1
04/15/15	14:00:00	1848.9	71.6	76.9	70.9
04/15/15	15:00:00	1848.9	71.4	80.7	73.6
04/15/15	16:00:00	1848.9	71.4	84.1	76.9

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/15/15	17:00:00	1849.0	71.8	86.2	79.9
04/15/15	18:00:00	1849.5	71.9	86.5	80.3
04/15/15	19:00:00	1849.4	71.9	85.0	75.9
04/15/15	20:00:00	1849.6	72.0	79.9	72.3
04/15/15	21:00:00	1849.7	71.9	72.9	69.2
04/15/15	22:00:00	1849.7	71.6	66.8	66.1
04/15/15	23:00:00	1849.7	71.3	61.9	63.6
04/16/15	00:00:00	1849.9	71.3	58.8	61.6
04/16/15	01:00:00	1850.2	71.1	56.1	59.8
04/16/15	02:00:00	1850.3	71.0	53.9	58.5
04/16/15	03:00:00	1850.2	70.7	51.5	57.1
04/16/15	04:00:00	1850.3	70.6	49.7	56.0
04/16/15	05:00:00	1850.8	70.6	47.7	54.8
04/16/15	06:00:00	1851.0	70.6	45.8	53.7
04/16/15	07:00:00	1851.1	70.6	44.3	53.0
04/16/15	08:00:00	1851.5	70.6	45.6	53.1
04/16/15	09:00:00	1851.8	71.3	53.1	55.8
04/16/15	10:00:00	1851.8	71.7	62.2	59.8
04/16/15	11:00:00	1851.9	71.9	70.7	63.8
04/16/15	12:00:00	1851.9	72.2	78.0	68.0
04/16/15	13:00:00	1851.9	72.7	83.4	72.1
04/16/15	14:00:00	1850.3	72.6	88.1	75.6
04/16/15	15:00:00	1847.6	72.5	93.0	78.8
04/16/15	16:00:00	1846.3	72.6	96.7	82.5
04/16/15	17:00:00	1845.5	72.6	98.6	85.9
04/16/15	18:00:00	1844.6	72.6	99.3	86.7
04/16/15	19:00:00	1843.7	72.7	98.3	82.4
04/16/15	20:00:00	1842.9	73.1	94.4	78.9
04/16/15	21:00:00	1842.2	72.7	86.3	75.2
04/16/15	22:00:00	1841.5	72.7	76.7	71.4
04/16/15	23:00:00	1840.9	72.3	68.7	68.1
04/17/15	00:00:00	1840.5	71.9	64.5	65.9
04/17/15	01:00:00	1840.0	71.9	62.1	64.4
04/17/15	02:00:00	1839.3	71.9	59.5	62.7
04/17/15	03:00:00	1838.9	71.7	56.3	61.1
04/17/15	04:00:00	1838.6	71.3	53.5	59.6
04/17/15	05:00:00	1838.1	71.2	51.4	58.4
04/17/15	06:00:00	1837.7	71.2	49.6	57.2
04/17/15	07:00:00	1837.2	71.2	47.8	56.2
04/17/15	08:00:00	1837.2	71.3	49.0	56.1
04/17/15	09:00:00	1837.1	71.9	56.2	58.6
04/17/15	10:00:00	1836.8	72.4	65.7	62.6
04/17/15	11:00:00	1836.5	72.6	75.0	66.8
04/17/15	12:00:00	1836.3	73.0	82.6	71.1
04/17/15	13:00:00	1835.9	73.2	87.8	75.0
04/17/15	14:00:00	1835.6	73.2	92.0	78.4
04/17/15	15:00:00	1835.2	73.2	95.4	81.5
04/17/15	16:00:00	1834.9	73.3	98.1	85.1
04/17/15	17:00:00	1834.3	73.4	99.8	88.2
04/17/15	18:00:00	1834.2	73.6	98.8	88.5
04/17/15	19:00:00	1833.9	73.5	95.7	83.5
04/17/15	20:00:00	1833.5	73.8	89.6	79.4
04/17/15	21:00:00	1833.5	73.3	81.5	75.6
04/17/15	22:00:00	1833.2	73.3	74.6	72.4
04/17/15	23:00:00	1832.8	72.9	68.8	69.4
04/18/15	00:00:00	1832.7	72.7	65.0	67.1
04/18/15	01:00:00	1832.5	72.7	61.3	64.9
04/18/15	02:00:00	1832.0	72.5	58.0	63.1
04/18/15	03:00:00	1832.0	72.3	55.4	61.6
04/18/15	04:00:00	1831.9	72.0	53.4	60.4
04/18/15	05:00:00	1831.8	72.0	51.9	59.4
04/18/15	06:00:00	1832.1	72.0	51.0	58.6
04/18/15	07:00:00	1832.8	72.1	52.5	59.0
04/18/15	08:00:00	1833.1	72.5	57.7	61.0
04/18/15	09:00:00	1833.5	72.8	62.9	62.9
04/18/15	10:00:00	1833.8	73.1	68.2	64.9
04/18/15	11:00:00	1834.0	73.4	73.8	67.2
04/18/15	12:00:00	1834.4	73.8	80.6	70.9
04/18/15	13:00:00	1835.0	74.3	85.7	74.7
04/18/15	14:00:00	1835.5	74.3	90.0	78.1
04/18/15	15:00:00	1835.7	74.2	95.1	81.4
04/18/15	16:00:00	1836.0	74.3	100.1	85.4
04/18/15	17:00:00	1837.1	74.3	102.7	89.0
04/18/15	18:00:00	1837.5	74.5	103.4	89.9
04/18/15	19:00:00	1837.9	74.8	99.3	85.0
04/18/15	20:00:00	1838.4	74.8	91.2	80.5
04/18/15	21:00:00	1838.6	74.4	82.5	76.7
04/18/15	22:00:00	1839.0	74.3	74.8	73.1
04/18/15	23:00:00	1839.3	74.0	69.4	70.3
04/19/15	00:00:00	1839.8	73.6	66.2	68.3
04/19/15	01:00:00	1840.1	73.5	64.0	66.9
04/19/15	02:00:00	1840.5	73.4	61.6	65.3
04/19/15	03:00:00	1840.7	73.4	59.3	64.0
04/19/15	04:00:00	1841.1	73.3	57.3	62.7
04/19/15	05:00:00	1841.4	73.3	55.7	61.6
04/19/15	06:00:00	1841.6	73.1	54.2	60.7
04/19/15	07:00:00	1842.0	73.2	52.9	59.8
04/19/15	08:00:00	1842.2	73.3	54.1	59.7
04/19/15	09:00:00	1842.8	73.6	58.6	61.1

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/19/15	10:00:00	1843.0	74.2	64.1	63.6
04/19/15	11:00:00	1843.1	74.4	71.1	67.2
04/19/15	12:00:00	1843.4	74.7	77.8	71.0
04/19/15	13:00:00	1843.6	74.8	82.8	74.7
04/19/15	14:00:00	1843.7	74.8	86.6	78.0
04/19/15	15:00:00	1843.7	74.9	91.3	81.1
04/19/15	16:00:00	1843.7	75.0	96.8	85.1
04/19/15	17:00:00	1843.7	75.2	100.0	88.6
04/19/15	18:00:00	1843.8	75.7	99.9	89.1
04/19/15	19:00:00	1844.0	75.7	94.3	83.6
04/19/15	20:00:00	1844.3	75.6	84.2	78.1
04/19/15	21:00:00	1844.4	74.9	74.4	73.6
04/19/15	22:00:00	1844.4	74.8	67.7	70.0
04/19/15	23:00:00	1844.5	74.4	64.0	67.7
04/20/15	00:00:00	1844.9	74.3	61.9	66.0
04/20/15	01:00:00	1845.0	74.3	59.9	64.6
04/20/15	02:00:00	1845.1	74.3	57.8	63.2
04/20/15	03:00:00	1845.1	74.2	56.0	61.8
04/20/15	04:00:00	1845.1	74.1	54.6	60.7
04/20/15	05:00:00	1845.4	73.9	53.5	59.6
04/20/15	06:00:00	1845.8	73.5	52.7	58.6
04/20/15	07:00:00	1845.9	73.6	52.1	57.9
04/20/15	08:00:00	1845.9	74.1	53.8	58.1
04/20/15	09:00:00	1846.1	74.5	58.7	60.1
04/20/15	10:00:00	1846.0	74.9	63.8	62.9
04/20/15	11:00:00	1846.3	75.0	68.3	65.8
04/20/15	12:00:00	1845.4	75.3	72.7	68.9
04/20/15	13:00:00	1845.1	75.6	76.4	71.9
04/20/15	14:00:00	1846.5	75.7	79.7	74.7
04/20/15	15:00:00	1846.7	75.7	83.2	77.2
04/20/15	16:00:00	1847.3	75.8	85.5	79.8
04/20/15	17:00:00	1847.3	75.8	85.9	81.7
04/20/15	18:00:00	1847.6	76.2	82.1	78.3
04/20/15	19:00:00	1848.0	75.9	76.3	74.5
04/20/15	20:00:00	1848.0	75.8	70.2	70.8
04/20/15	21:00:00	1848.3	75.4	64.9	67.5
04/20/15	22:00:00	1848.7	75.0	61.2	65.1
04/20/15	23:00:00	1848.8	74.9	58.5	63.2
04/21/15	00:00:00	1849.1	74.9	56.3	61.5
04/21/15	01:00:00	1849.1	74.8	54.8	60.2
04/21/15	02:00:00	1848.7	74.7	53.9	59.2
04/21/15	03:00:00	1848.7	74.6	53.3	58.5
04/21/15	04:00:00	1848.9	74.4	52.8	57.9
04/21/15	05:00:00	1849.6	74.4	52.4	57.3
04/21/15	06:00:00	1849.7	74.5	51.9	57.0
04/21/15	07:00:00	1850.2	74.6	51.7	56.6
04/21/15	08:00:00	1850.2	74.8	53.1	56.8
04/21/15	09:00:00	1851.0	75.1	56.9	58.6
04/21/15	10:00:00	1851.1	75.6	61.6	61.2
04/21/15	11:00:00	1851.2	76.0	68.0	64.7
04/21/15	12:00:00	1851.0	76.3	73.8	68.1
04/21/15	13:00:00	1850.5	76.3	77.3	71.0
04/21/15	14:00:00	1850.1	76.3	79.2	73.4
04/21/15	15:00:00	1851.1	76.3	80.7	75.1
04/21/15	16:00:00	1851.1	76.4	81.7	77.0
04/21/15	17:00:00	1851.4	76.8	81.6	77.4
04/21/15	18:00:00	1851.7	76.8	78.7	75.5
04/21/15	19:00:00	1851.7	76.6	73.4	72.0
04/21/15	20:00:00	1851.8	76.4	68.0	68.6
04/21/15	21:00:00	1851.7	76.3	63.0	65.8
04/21/15	22:00:00	1851.7	76.0	59.4	64.0
04/21/15	23:00:00	1852.3	75.8	56.9	62.5
04/22/15	00:00:00	1852.5	75.8	54.9	61.3
04/22/15	01:00:00	1852.5	75.8	53.3	60.3
04/22/15	02:00:00	1852.7	75.8	51.9	59.5
04/22/15	03:00:00	1853.2	75.8	50.9	58.7
04/22/15	04:00:00	1853.2	75.7	50.0	58.0
04/22/15	05:00:00	1853.2	75.7	49.2	57.4
04/22/15	06:00:00	1853.6	75.7	48.8	56.7
04/22/15	07:00:00	1853.8	75.7	49.7	56.8
04/22/15	08:00:00	1853.9	75.8	51.7	57.4
04/22/15	09:00:00	1854.0	76.1	56.3	59.1
04/22/15	10:00:00	1854.3	76.1	60.3	61.1
04/22/15	11:00:00	1854.6	76.8	64.6	63.3
04/22/15	12:00:00	1854.7	77.2	71.7	66.8
04/22/15	13:00:00	1854.4	77.4	77.5	70.4
04/22/15	14:00:00	1853.9	77.8	82.7	73.9
04/22/15	15:00:00	1853.4	77.7	88.6	77.3
04/22/15	16:00:00	1852.9	78.0	93.7	81.0
04/22/15	17:00:00	1853.7	78.0	93.8	81.9
04/22/15	18:00:00	1853.9	78.0	94.1	83.4
04/22/15	19:00:00	1854.1	78.5	91.2	80.7
04/22/15	20:00:00	1854.5	78.3	81.0	75.6

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/22/15	21:00:00	1854.6	77.9	72.9	72.0
04/22/15	22:00:00	1854.7	77.9	67.7	69.2
04/22/15	23:00:00	1854.9	77.6	64.1	67.0
04/23/15	00:00:00	1855.2	77.3	61.6	65.4
04/23/15	01:00:00	1855.3	77.2	59.9	64.3
04/23/15	02:00:00	1855.4	77.2	58.0	63.1
04/23/15	03:00:00	1855.5	77.2	56.0	61.9
04/23/15	04:00:00	1856.2	77.2	54.2	60.9
04/23/15	05:00:00	1856.2	77.2	53.0	60.1
04/23/15	06:00:00	1856.2	77.2	51.9	59.3
04/23/15	07:00:00	1856.3	77.0	50.8	58.5
04/23/15	08:00:00	1856.8	77.2	52.0	58.6
04/23/15	09:00:00	1856.9	77.9	58.0	60.6
04/23/15	10:00:00	1857.2	78.4	65.7	63.8
04/23/15	11:00:00	1857.6	78.6	72.9	67.1
04/23/15	12:00:00	1857.7	78.7	78.2	70.4
04/23/15	13:00:00	1857.7	79.2	82.3	73.6
04/23/15	14:00:00	1857.7	79.3	85.3	76.5
04/23/15	15:00:00	1857.7	79.3	88.3	79.3
04/23/15	16:00:00	1857.7	79.3	90.7	82.3
04/23/15	17:00:00	1857.7	79.4	89.6	83.5
04/23/15	18:00:00	1857.7	79.4	84.1	80.7
04/23/15	19:00:00	1857.7	79.4	80.2	77.0
04/23/15	20:00:00	1857.8	79.4	74.4	73.3
04/23/15	21:00:00	1858.0	79.0	69.8	70.8
04/23/15	22:00:00	1858.4	78.7	65.5	68.2
04/23/15	23:00:00	1858.4	78.7	62.2	66.2
04/24/15	00:00:00	1858.4	78.7	60.0	64.8
04/24/15	01:00:00	1858.5	78.7	59.8	63.8
04/24/15	02:00:00	1858.7	78.7	60.1	63.2
04/24/15	03:00:00	1859.0	78.7	59.5	62.3
04/24/15	04:00:00	1859.1	78.5	58.3	61.3
04/24/15	05:00:00	1859.1	78.4	57.1	60.4
04/24/15	06:00:00	1859.1	78.4	55.9	59.6
04/24/15	07:00:00	1857.6	78.3	55.4	59.2
04/24/15	08:00:00	1854.8	78.6	57.6	59.8
04/24/15	09:00:00	1854.0	78.6	59.4	60.8
04/24/15	10:00:00	1853.2	78.9	62.8	62.8
04/24/15	11:00:00	1852.5	79.3	67.4	65.7
04/24/15	12:00:00	1852.0	79.6	71.7	68.7
04/24/15	13:00:00	1851.4	80.0	74.9	71.5
04/24/15	14:00:00	1850.7	80.0	77.7	73.9
04/24/15	15:00:00	1852.0	80.0	79.7	75.6
04/24/15	16:00:00	1853.6	80.0	80.1	77.1
04/24/15	17:00:00	1854.3	80.1	80.0	78.3
04/24/15	18:00:00	1854.7	80.2	76.8	75.1
04/24/15	19:00:00	1855.3	80.1	70.0	70.7
04/24/15	20:00:00	1855.4	80.0	65.0	67.5
04/24/15	21:00:00	1856.1	79.5	61.6	65.2
04/24/15	22:00:00	1856.3	79.4	59.9	64.1
04/24/15	23:00:00	1856.7	79.4	58.8	63.2
04/25/15	00:00:00	1856.8	79.4	56.5	61.9
04/25/15	01:00:00	1856.8	79.3	54.7	60.3
04/25/15	02:00:00	1857.5	79.2	54.1	59.1
04/25/15	03:00:00	1857.7	79.3	54.2	58.2
04/25/15	04:00:00	1857.8	79.2	53.8	57.8
04/25/15	05:00:00	1858.4	79.1	53.7	57.5
04/25/15	06:00:00	1858.4	79.3	53.8	57.3
04/25/15	07:00:00	1858.5	79.3	53.1	56.5
04/25/15	08:00:00	1859.1	79.4	54.8	57.0
04/25/15	09:00:00	1859.2	80.0	59.0	58.8
04/25/15	10:00:00	1859.5	80.0	62.8	61.0
04/25/15	11:00:00	1859.8	80.0	65.0	62.5
04/25/15	12:00:00	1859.9	80.3	67.9	64.6
04/25/15	13:00:00	1859.9	80.5	70.0	66.0
04/25/15	14:00:00	1859.9	80.8	72.1	67.6
04/25/15	15:00:00	1859.9	80.6	75.4	69.7
04/25/15	16:00:00	1860.4	80.9	79.1	72.9
04/25/15	17:00:00	1860.5	80.9	81.0	75.7
04/25/15	18:00:00	1860.5	81.0	80.2	75.6
04/25/15	19:00:00	1860.6	80.9	77.5	72.1
04/25/15	20:00:00	1860.6	81.1	71.6	68.2
04/25/15	21:00:00	1861.0	80.9	65.4	65.5
04/25/15	22:00:00	1861.3	80.9	61.3	63.5
04/25/15	23:00:00	1861.3	80.7	58.3	61.7
04/26/15	00:00:00	1861.3	80.4	56.6	60.2
04/26/15	01:00:00	1861.7	80.4	55.4	59.1
04/26/15	02:00:00	1861.9	80.2	54.3	58.1
04/26/15	03:00:00	1862.0	80.2	53.1	57.3
04/26/15	04:00:00	1862.0	80.2	52.0	56.6
04/26/15	05:00:00	1862.3	80.2	50.9	56.0

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/26/15	06:00:00	1862.6	80.1	50.0	55.5
04/26/15	07:00:00	1862.8	80.1	49.3	55.1
04/26/15	08:00:00	1863.0	80.8	52.0	55.6
04/26/15	09:00:00	1863.2	81.4	58.4	58.4
04/26/15	10:00:00	1863.4	81.6	64.8	61.6
04/26/15	11:00:00	1863.4	82.3	70.1	64.5
04/26/15	12:00:00	1863.4	82.4	74.3	67.4
04/26/15	13:00:00	1863.4	82.4	77.9	70.2
04/26/15	14:00:00	1863.4	82.5	80.8	72.8
04/26/15	15:00:00	1863.4	82.4	84.6	75.6
04/26/15	16:00:00	1863.5	82.5	88.1	78.8
04/26/15	17:00:00	1863.4	82.8	89.7	81.8
04/26/15	18:00:00	1863.5	83.0	89.8	82.6
04/26/15	19:00:00	1863.6	83.0	86.6	78.4
04/26/15	20:00:00	1864.1	83.0	80.1	74.2
04/26/15	21:00:00	1864.3	83.0	72.6	70.6
04/26/15	22:00:00	1864.3	82.7	67.3	67.9
04/26/15	23:00:00	1864.3	82.5	63.8	65.9
04/27/15	00:00:00	1864.6	82.4	61.4	64.3
04/27/15	01:00:00	1864.7	82.4	59.8	63.2
04/27/15	02:00:00	1864.8	82.4	58.7	62.3
04/27/15	03:00:00	1864.9	82.4	57.5	61.5
04/27/15	04:00:00	1864.9	82.4	56.1	60.7
04/27/15	05:00:00	1864.9	82.4	55.5	60.0
04/27/15	06:00:00	1865.3	82.4	55.3	59.6
04/27/15	07:00:00	1865.4	82.4	54.2	58.9
04/27/15	08:00:00	1865.7	82.7	56.3	59.5
04/27/15	09:00:00	1865.8	83.3	63.7	62.3
04/27/15	10:00:00	1866.0	83.8	71.4	65.8
04/27/15	11:00:00	1866.3	84.1	78.3	69.1
04/27/15	12:00:00	1866.4	84.5	84.5	72.6
04/27/15	13:00:00	1866.5	84.5	89.7	76.0
04/27/15	14:00:00	1866.4	84.9	94.3	79.2
04/27/15	15:00:00	1866.4	84.8	98.9	82.4
04/27/15	16:00:00	1866.3	85.0	103.5	86.4
04/27/15	17:00:00	1866.4	85.3	106.5	89.9
04/27/15	18:00:00	1866.4	85.3	108.1	90.9
04/27/15	19:00:00	1866.4	85.4	107.9	87.7
04/27/15	20:00:00	1866.4	85.9	102.7	83.9
04/27/15	21:00:00	1866.4	85.4	91.6	80.0
04/27/15	22:00:00	1866.5	85.3	82.5	76.3
04/27/15	23:00:00	1866.7	85.2	75.4	73.5
04/28/15	00:00:00	1867.0	84.9	70.8	71.1
04/28/15	01:00:00	1867.1	84.6	66.8	68.7
04/28/15	02:00:00	1867.1	84.6	63.4	66.8
04/28/15	03:00:00	1867.1	84.6	60.5	65.2
04/28/15	04:00:00	1867.5	84.5	58.0	63.8
04/28/15	05:00:00	1867.7	84.4	55.9	62.6
04/28/15	06:00:00	1867.8	84.3	54.2	61.5
04/28/15	07:00:00	1867.9	84.2	52.9	60.5
04/28/15	08:00:00	1868.3	84.6	55.6	61.0
04/28/15	09:00:00	1868.6	85.2	63.0	63.7
04/28/15	10:00:00	1868.6	85.6	71.3	67.2
04/28/15	11:00:00	1868.6	86.0	78.6	70.7
04/28/15	12:00:00	1868.6	86.2	83.7	74.0
04/28/15	13:00:00	1868.6	86.5	87.5	77.3
04/28/15	14:00:00	1868.6	86.7	91.2	80.4
04/28/15	15:00:00	1868.5	86.7	95.1	83.4
04/28/15	16:00:00	1868.5	86.7	98.2	86.6
04/28/15	17:00:00	1868.5	86.8	97.8	88.6
04/28/15	18:00:00	1868.6	87.0	97.0	88.7
04/28/15	19:00:00	1868.5	87.0	92.4	83.8
04/28/15	20:00:00	1868.8	87.0	85.2	79.2
04/28/15	21:00:00	1869.0	86.7	77.6	75.5
04/28/15	22:00:00	1869.1	86.6	72.2	72.7
04/28/15	23:00:00	1869.3	86.2	67.5	69.9
04/29/15	00:00:00	1869.3	86.0	63.4	67.5
04/29/15	01:00:00	1869.4	86.0	59.6	65.3
04/29/15	02:00:00	1869.7	85.8	56.5	63.6
04/29/15	03:00:00	1869.9	85.5	54.0	62.1
04/29/15	04:00:00	1870.0	85.4	52.0	60.8
04/29/15	05:00:00	1870.0	85.3	50.8	59.8
04/29/15	06:00:00	1870.0	85.3	49.6	59.0

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
04/29/15	07:00:00	1870.3	85.3	48.8	58.4
04/29/15	08:00:00	(5)	85.8	52.1	59.1
04/29/15	09:00:00	(5)	(5)	60.1	62.1
04/29/15	10:00:00	(5)	(5)	68.2	65.7
04/29/15	11:00:00	(5)	(5)	74.7	69.2
04/29/15	12:00:00	(5)	(5)	79.9	72.7
04/29/15	13:00:00	(5)	(5)	82.2	74.6
04/29/15	14:00:00	(5)	85.2	86.1	77.4
04/29/15	15:00:00	1861.1	87.8	91.2	80.8
04/29/15	16:00:00	1860.7	87.8	95.4	84.7
04/29/15	17:00:00	1860.8	88.2	98.2	88.3
04/29/15	18:00:00	1860.8	88.2	98.6	89.2
04/29/15	19:00:00	1860.8	88.2	96.7	85.4
04/29/15	20:00:00	1860.9	88.2	91.8	81.2
04/29/15	21:00:00	1861.0	88.1	83.6	77.5
04/29/15	22:00:00	1861.2	87.7	76.2	74.1
04/29/15	23:00:00	1861.2	87.6	70.5	71.2
04/30/15	00:00:00	1861.2	87.6	66.5	69.1
04/30/15	01:00:00	1861.3	87.4	63.1	67.1
04/30/15	02:00:00	1861.3	87.0	60.0	65.4
04/30/15	03:00:00	1861.5	86.8	57.5	64.0
04/30/15	04:00:00	1861.8	86.7	55.5	62.8
04/30/15	05:00:00	1862.0	86.7	53.8	61.7
04/30/15	06:00:00	1862.0	86.7	53.2	60.9
04/30/15	07:00:00	1862.0	86.8	52.6	60.4
04/30/15	08:00:00	1862.7	87.5	55.3	61.0
04/30/15	09:00:00	1862.8	88.1	63.3	63.8
04/30/15	10:00:00	1862.8	88.6	71.9	67.4
04/30/15	11:00:00	1862.8	89.0	79.5	71.0
04/30/15	12:00:00	1862.8	89.3	85.9	74.7
04/30/15	13:00:00	1862.8	89.6	90.8	78.3
04/30/15	14:00:00	1862.8	90.3	94.3	81.0
04/30/15	15:00:00	1756.7	90.5	94.5	81.3
04/30/15	16:00:00	1413.9	90.4	101.7	87.7
04/30/15	17:00:00	1861.0	90.5	108.0	91.5
04/30/15	18:00:00	1860.5	90.7	109.8	92.7
04/30/15	19:00:00	1860.0	90.8	109.3	89.1
04/30/15	20:00:00	1859.7	91.1	105.2	84.9
04/30/15	21:00:00	1859.3	90.7	95.4	80.8
04/30/15	22:00:00	1859.2	90.5	85.9	77.2
04/30/15	23:00:00	1859.1	90.5	77.9	74.2
05/01/15	00:00:00	1859.2	90.4	71.7	71.5
05/01/15	01:00:00	1859.3	90.2	66.7	69.3
05/01/15	02:00:00	1859.5	89.9	62.8	67.4
05/01/15	03:00:00	1859.8	89.9	59.8	65.9
05/01/15	04:00:00	1859.8	90.0	57.5	64.6
05/01/15	05:00:00	1859.8	90.0	55.6	63.5
05/01/15	06:00:00	1859.8	90.1	54.2	62.5
05/01/15	07:00:00	1860.0	90.2	53.2	61.8
05/01/15	08:00:00	1860.5	90.7	56.2	62.3
05/01/15	09:00:00	1860.6	91.4	64.4	65.2
05/01/15	10:00:00	1860.5	91.9	74.1	69.0
05/01/15	11:00:00	1860.0	92.5	83.0	72.8
05/01/15	12:00:00	1858.6	92.8	90.0	76.4
05/01/15	13:00:00	1855.1	93.3	94.7	79.5
05/01/15	14:00:00	1853.4	93.7	98.8	82.8
05/01/15	15:00:00	1852.1	94.0	103.3	86.6
05/01/15	16:00:00	1851.2	94.3	107.0	90.5
05/01/15	17:00:00	1850.3	94.5	108.1	93.8
05/01/15	18:00:00	1849.6	94.8	105.9	94.0
05/01/15	19:00:00	1848.9	94.8	100.9	89.5
05/01/15	20:00:00	1848.1	94.9	92.8	84.0
05/01/15	21:00:00	1847.6	94.8	82.7	79.4
05/01/15	22:00:00	1847.0	94.8	75.7	75.8
05/01/15	23:00:00	1846.5	94.7	71.0	73.0
05/02/15	00:00:00	1845.9	94.8	68.0	71.1
05/02/15	01:00:00	1845.3	94.8	65.6	69.5
05/02/15	02:00:00	1845.0	94.8	62.8	67.8
05/02/15	03:00:00	1844.4	94.8	60.2	66.1
05/02/15	04:00:00	1844.1	94.8	58.5	64.9
05/02/15	05:00:00	1843.7	94.8	57.2	63.9
05/02/15	06:00:00	1843.6	94.9	55.5	63.0
05/02/15	07:00:00	1843.0	95.3	54.4	62.1
05/02/15	08:00:00	1843.0	95.9	56.6	62.4
05/02/15	09:00:00	1843.0	96.5	62.8	64.5
05/02/15	10:00:00	1842.5	97.2	69.8	67.5
05/02/15	11:00:00	1842.1	97.7	76.5	70.8
05/02/15	12:00:00	1841.5	98.1	81.9	74.1
05/02/15	13:00:00	1840.8	98.4	86.1	77.3
05/02/15	14:00:00	1840.2	99.0	90.6	80.5
05/02/15	15:00:00	1839.4	99.2	94.9	83.6
05/02/15	16:00:00	1838.9	99.2	98.7	86.8
05/02/15	17:00:00	1838.2	99.7	100.1	89.7
05/02/15	18:00:00	1837.7	99.9	99.0	89.8
05/02/15	19:00:00	1837.1	99.9	94.1	85.1
05/02/15	20:00:00	1836.4	100.1	85.8	79.8
05/02/15	21:00:00	1836.3	99.9	76.2	75.3
05/02/15	22:00:00	1835.7	99.9	68.8	71.6

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/02/15	23:00:00	1835.6	99.9	64.1	68.8
05/03/15	00:00:00	1835.3	99.8	60.7	66.6
05/03/15	01:00:00	1835.0	99.8	58.3	64.9
05/03/15	02:00:00	1834.9	99.8	56.3	63.7
05/03/15	03:00:00	1834.8	99.6	54.6	62.6
05/03/15	04:00:00	1834.3	99.7	53.1	61.5
05/03/15	05:00:00	1834.1	99.8	52.1	60.6
05/03/15	06:00:00	1834.1	99.9	51.2	59.9
05/03/15	07:00:00	1834.0	99.9	50.4	59.4
05/03/15	08:00:00	1834.1	100.4	53.4	59.8
05/03/15	09:00:00	1834.0	101.0	60.1	62.1
05/03/15	10:00:00	1833.6	101.5	66.9	65.3
05/03/15	11:00:00	1833.4	102.1	72.8	68.5
05/03/15	12:00:00	1833.0	102.3	77.1	71.5
05/03/15	13:00:00	1834.9	102.7	80.0	74.4
05/03/15	14:00:00	1836.2	103.0	82.5	76.9
05/03/15	15:00:00	1836.7	103.3	85.6	79.3
05/03/15	16:00:00	1837.2	103.6	88.2	81.9
05/03/15	17:00:00	1837.8	104.0	88.4	83.9
05/03/15	18:00:00	1838.2	104.3	85.8	83.1
05/03/15	19:00:00	1838.6	104.3	81.2	78.1
05/03/15	20:00:00	1839.2	104.5	73.9	72.9
05/03/15	21:00:00	1839.8	104.4	65.9	68.8
05/03/15	22:00:00	1840.1	104.3	60.3	65.7
05/03/15	23:00:00	1840.7	104.4	56.8	63.7
05/04/15	00:00:00	1841.1	104.5	54.6	62.1
05/04/15	01:00:00	1841.4	104.7	53.3	61.0
05/04/15	02:00:00	1842.0	105.0	52.4	60.1
05/04/15	03:00:00	1842.6	105.1	51.8	59.4
05/04/15	04:00:00	1843.0	105.1	51.3	58.7
05/04/15	05:00:00	1843.2	105.2	50.6	58.1
05/04/15	06:00:00	1843.7	105.7	50.0	57.6
05/04/15	07:00:00	1843.9	105.8	49.6	57.2
05/04/15	08:00:00	1844.5	106.5	52.6	58.0
05/04/15	09:00:00	(6)	107.4	59.2	60.8
05/04/15	10:00:00	(6)	108.0	65.6	64.0
05/04/15	11:00:00	(6)	108.6	71.4	66.7
05/04/15	12:00:00	1845.1	108.9	75.1	69.4
05/04/15	13:00:00	1843.1	109.3	76.8	71.6
05/04/15	14:00:00	1841.7	109.5	79.7	74.6
05/04/15	15:00:00	1839.7	109.4	82.7	77.2
05/04/15	16:00:00	1837.8	110.0	85.8	80.2
05/04/15	17:00:00	1837.8	110.4	88.2	83.5
05/04/15	18:00:00	1838.0	110.9	87.1	83.1
05/04/15	19:00:00	1837.8	110.9	83.0	78.4
05/04/15	20:00:00	1837.3	110.9	77.0	74.1
05/04/15	21:00:00	1837.2	110.9	70.0	70.9
05/04/15	22:00:00	1836.7	110.9	64.6	68.1
05/04/15	23:00:00	1836.4	110.8	60.0	65.7
05/05/15	00:00:00	1836.3	110.8	56.2	63.8
05/05/15	01:00:00	1835.7	110.9	53.5	62.3
05/05/15	02:00:00	1835.6	111.0	51.2	61.0
05/05/15	03:00:00	1835.4	111.0	49.1	59.7
05/05/15	04:00:00	1835.1	111.0	47.2	58.6
05/05/15	05:00:00	1834.9	111.0	45.6	57.6
05/05/15	06:00:00	1834.9	111.0	44.2	56.7
05/05/15	07:00:00	1834.5	111.2	43.3	56.1
05/05/15	08:00:00	1834.6	111.8	46.5	56.9
05/05/15	09:00:00	1833.0	112.4	54.6	59.6
05/05/15	10:00:00	1833.2	113.3	63.8	63.1
05/05/15	11:00:00	1831.1	113.7	71.8	66.6
05/05/15	12:00:00	1831.4	114.3	77.3	70.1
05/05/15	13:00:00	1824.2	114.5	81.0	73.2
05/05/15	14:00:00	1824.6	114.9	84.2	76.1
05/05/15	15:00:00	1828.2	115.1	87.6	78.9
05/05/15	16:00:00	1828.8	115.2	91.2	82.2
05/05/15	17:00:00	1829.1	115.3	92.1	84.7
05/05/15	18:00:00	1826.3	115.6	89.1	83.0
05/05/15	19:00:00	1824.1	115.3	83.1	78.6
05/05/15	20:00:00	1828.8	115.4	77.2	75.1
05/05/15	21:00:00	1831.3	115.2	71.1	71.9
05/05/15	22:00:00	1832.6	115.2	65.2	68.9
05/05/15	23:00:00	1833.8	115.1	60.8	66.4
05/06/15	00:00:00	1834.6	114.8	57.5	64.6
05/06/15	01:00:00	1835.6	114.6	55.1	63.0
05/06/15	02:00:00	1836.3	114.6	52.7	61.5
05/06/15	03:00:00	1837.0	114.6	50.7	60.3
05/06/15	04:00:00	1837.7	114.6	49.0	59.2
05/06/15	05:00:00	1838.3	114.5	47.7	58.3
05/06/15	06:00:00	1838.9	114.4	46.2	57.4
05/06/15	07:00:00	1839.5	114.2	45.1	56.6
05/06/15	08:00:00	1840.2	114.7	48.4	57.4
05/06/15	09:00:00	1835.2	115.2	56.5	60.0
05/06/15	10:00:00	1827.8	115.7	64.5	63.4
05/06/15	11:00:00	1824.5	116.0	71.0	66.7
05/06/15	12:00:00	1822.0	116.5	75.3	69.7
05/06/15	13:00:00	1819.7	116.8	79.1	72.7
05/06/15	14:00:00	1817.5	116.9	83.0	75.8
05/06/15	15:00:00	1815.6	116.8	86.5	78.6

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/06/15	16:00:00	1813.7	117.0	90.3	81.8
05/06/15	17:00:00	1811.8	117.3	91.5	84.7
05/06/15	18:00:00	1810.0	117.7	91.0	84.9
05/06/15	19:00:00	1814.8	117.5	87.9	80.9
05/06/15	20:00:00	1820.5	117.6	81.7	76.7
05/06/15	21:00:00	1822.8	117.5	74.7	73.4
05/06/15	22:00:00	1824.3	117.2	69.8	71.0
05/06/15	23:00:00	1825.7	116.9	65.9	68.8
05/07/15	00:00:00	1826.9	116.8	62.4	66.7
05/07/15	01:00:00	1827.8	116.8	59.0	64.9
05/07/15	02:00:00	1829.0	116.6	57.2	63.5
05/07/15	03:00:00	1829.8	116.8	56.3	62.5
05/07/15	04:00:00	1830.4	116.7	55.9	61.7
05/07/15	05:00:00	1831.2	116.9	56.1	61.2
05/07/15	06:00:00	1831.7	116.9	55.1	60.4
05/07/15	07:00:00	1832.4	116.9	54.1	60.1
05/07/15	08:00:00	1833.4	117.1	54.8	60.2
05/07/15	09:00:00	1828.0	117.5	56.5	61.1
05/07/15	10:00:00	1821.3	118.2	64.0	64.1
05/07/15	11:00:00	1817.8	118.5	70.9	67.1
05/07/15	12:00:00	1814.9	118.5	72.8	68.3
05/07/15	13:00:00	1812.6	118.8	73.9	69.6
05/07/15	14:00:00	1810.5	119.0	75.9	71.2
05/07/15	15:00:00	1808.5	119.0	76.7	71.9
05/07/15	16:00:00	1806.6	119.4	75.9	71.7
05/07/15	17:00:00	1804.8	119.5	74.5	71.5
05/07/15	18:00:00	1803.0	119.6	70.6	69.5
05/07/15	19:00:00	1808.1	119.7	67.0	68.0
05/07/15	20:00:00	1814.2	119.7	64.6	66.7
05/07/15	21:00:00	1816.5	119.7	62.5	65.5
05/07/15	22:00:00	1818.3	119.7	60.1	64.1
05/07/15	23:00:00	1819.7	119.6	57.5	62.6
05/08/15	00:00:00	1821.1	119.6	55.6	61.5
05/08/15	01:00:00	1822.4	119.5	53.6	60.5
05/08/15	02:00:00	1823.5	119.6	51.8	59.5
05/08/15	03:00:00	1824.5	119.7	50.2	58.8
05/08/15	04:00:00	1825.5	119.7	48.8	58.0
05/08/15	05:00:00	1826.5	119.8	47.3	57.2
05/08/15	06:00:00	1827.3	120.4	46.0	56.5
05/08/15	07:00:00	1828.3	120.4	45.0	55.9
05/08/15	08:00:00	1828.4	120.8	46.1	56.2
05/08/15	09:00:00	1821.1	121.5	53.2	58.4
05/08/15	10:00:00	1815.7	122.1	61.7	61.8
05/08/15	11:00:00	1812.4	122.6	68.9	65.4
05/08/15	12:00:00	1810.2	123.3	73.8	68.5
05/08/15	13:00:00	1808.4	123.8	77.2	71.4
05/08/15	14:00:00	1806.5	124.2	80.5	74.3
05/08/15	15:00:00	1804.5	124.2	84.4	77.2
05/08/15	16:00:00	1802.7	124.8	88.4	80.4
05/08/15	17:00:00	1801.0	125.2	91.1	83.6
05/08/15	18:00:00	1799.5	125.5	92.0	84.1
05/08/15	19:00:00	1803.7	125.6	91.9	81.2
05/08/15	20:00:00	1807.8	126.1	88.0	77.8
05/08/15	21:00:00	1811.2	126.2	80.2	74.8
05/08/15	22:00:00	1813.5	126.1	74.3	72.3
05/08/15	23:00:00	1815.0	125.9	69.9	70.0
05/09/15	00:00:00	1816.5	126.0	65.7	67.9
05/09/15	01:00:00	1817.8	126.1	61.9	65.9
05/09/15	02:00:00	1819.0	126.2	58.0	63.8
05/09/15	03:00:00	1820.1	126.3	55.1	62.2
05/09/15	04:00:00	1821.2	126.3	53.1	60.9
05/09/15	05:00:00	1822.3	126.3	51.7	59.9
05/09/15	06:00:00	1823.1	126.3	50.9	59.1
05/09/15	07:00:00	1824.1	126.6	50.5	58.6
05/09/15	08:00:00	1825.0	127.3	53.5	59.3
05/09/15	09:00:00	1823.8	128.1	60.2	61.8
05/09/15	10:00:00	(7)	128.9	67.4	65.0
05/09/15	11:00:00	1822.2	129.4	74.0	67.9
05/09/15	12:00:00	1821.8	130.1	77.9	70.9
05/09/15	13:00:00	1821.7	130.2	80.5	73.8
05/09/15	14:00:00	1821.6	130.8	83.7	76.6
05/09/15	15:00:00	1821.1	130.8	87.1	79.3
05/09/15	16:00:00	1821.0	130.9	90.2	82.4
05/09/15	17:00:00	1821.0	131.5	92.6	85.7
05/09/15	18:00:00	1820.7	131.6	92.6	86.1
05/09/15	19:00:00	1820.4	131.8	89.1	82.1
05/09/15	20:00:00	1820.2	132.2	82.9	77.6
05/09/15	21:00:00	1820.2	132.0	74.9	73.7
05/09/15	22:00:00	1820.2	131.7	67.7	70.0
05/09/15	23:00:00	1820.2	131.5	62.9	67.5
05/10/15	00:00:00	1820.2	131.5	59.6	65.6
05/10/15	01:00:00	1820.2	131.6	57.3	64.3
05/10/15	02:00:00	1820.1	131.6	55.1	63.1
05/10/15	03:00:00	1820.0	131.7	53.1	61.9
05/10/15	04:00:00	1819.7	131.9	51.2	60.8
05/10/15	05:00:00	1819.5	132.1	49.7	59.8
05/10/15	06:00:00	1819.5	132.2	48.1	58.8
05/10/15	07:00:00	1819.5	132.2	46.9	58.0
05/10/15	08:00:00	1820.0	132.9	49.5	58.8

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/10/15	09:00:00	1820.1	133.6	57.3	61.4
05/10/15	10:00:00	1820.0	134.3	66.0	64.7
05/10/15	11:00:00	1819.8	134.9	73.6	68.1
05/10/15	12:00:00	1819.7	135.4	79.6	71.4
05/10/15	13:00:00	1819.6	135.8	84.2	74.8
05/10/15	14:00:00	1819.4	136.4	88.6	78.0
05/10/15	15:00:00	1819.4	136.6	92.8	81.2
05/10/15	16:00:00	1819.3	137.0	96.4	84.7
05/10/15	17:00:00	1819.3	137.3	97.7	87.6
05/10/15	18:00:00	1819.2	137.7	96.3	87.5
05/10/15	19:00:00	1818.9	138.0	92.0	83.4
05/10/15	20:00:00	1818.8	138.1	85.6	79.0
05/10/15	21:00:00	1818.9	138.0	76.6	75.0
05/10/15	22:00:00	1818.7	137.5	70.7	72.0
05/10/15	23:00:00	1818.7	137.3	65.8	69.3
05/11/15	00:00:00	1818.7	137.3	61.6	67.0
05/11/15	01:00:00	1818.7	137.2	58.0	65.1
05/11/15	02:00:00	1818.7	137.2	55.0	63.5
05/11/15	03:00:00	1818.8	137.2	52.7	62.1
05/11/15	04:00:00	1818.7	137.2	50.9	61.1
05/11/15	05:00:00	1818.7	137.2	49.7	60.2
05/11/15	06:00:00	1818.7	137.2	49.2	59.5
05/11/15	07:00:00	1818.7	137.2	48.5	59.0
05/11/15	08:00:00	1818.7	137.8	51.8	59.9
05/11/15	09:00:00	1818.8	138.5	60.3	62.8
05/11/15	10:00:00	1818.8	138.8	68.0	66.1
05/11/15	11:00:00	1818.8	139.2	73.4	69.1
05/11/15	12:00:00	1818.8	139.4	77.1	72.1
05/11/15	13:00:00	1818.8	139.5	80.1	74.9
05/11/15	14:00:00	1818.8	139.7	82.6	77.2
05/11/15	15:00:00	1818.6	139.6	85.2	79.4
05/11/15	16:00:00	1818.3	139.5	87.4	82.1
05/11/15	17:00:00	1818.3	139.8	88.2	84.3
05/11/15	18:00:00	1818.0	140.0	86.1	83.1
05/11/15	19:00:00	1818.3	140.0	79.6	78.3
05/11/15	20:00:00	1821.2	139.5	73.5	74.2
05/11/15	21:00:00	1822.3	139.3	66.8	70.5
05/11/15	22:00:00	1823.4	138.9	61.6	67.4
05/11/15	23:00:00	1824.3	138.8	57.9	65.2
05/12/15	00:00:00	1825.1	138.5	54.9	63.3
05/12/15	01:00:00	1825.9	138.1	52.9	61.6
05/12/15	02:00:00	1826.4	138.1	52.0	60.6
05/12/15	03:00:00	1827.1	138.1	51.5	59.8
05/12/15	04:00:00	1827.8	138.1	50.6	59.0
05/12/15	05:00:00	1828.4	138.1	49.5	58.2
05/12/15	06:00:00	1829.1	138.1	49.0	57.6
05/12/15	07:00:00	1829.7	138.1	50.2	57.4
05/12/15	08:00:00	1830.4	138.8	54.3	58.4
05/12/15	09:00:00	1830.8	139.4	59.6	60.8
05/12/15	10:00:00	1831.3	139.8	64.0	63.2
05/12/15	11:00:00	1831.8	140.3	68.2	65.9
05/12/15	12:00:00	1829.6	140.8	71.6	68.7
05/12/15	13:00:00	1828.4	141.0	73.8	71.2
05/12/15	14:00:00	1826.4	141.1	76.8	73.5
05/12/15	15:00:00	1825.9	141.1	80.5	76.0
05/12/15	16:00:00	1823.6	141.4	84.2	79.0
05/12/15	17:00:00	1823.4	141.7	86.3	82.0
05/12/15	18:00:00	1819.3	141.8	86.4	82.0
05/12/15	19:00:00	1819.5	142.3	82.2	77.8
05/12/15	20:00:00	1814.1	142.0	74.5	73.7
05/12/15	21:00:00	1815.2	141.6	66.9	70.0
05/12/15	22:00:00	1819.8	141.6	62.1	67.4
05/12/15	23:00:00	1822.4	141.6	59.0	65.4
05/13/15	00:00:00	1823.8	141.4	56.3	63.7
05/13/15	01:00:00	1824.9	141.4	54.4	62.4
05/13/15	02:00:00	1825.9	141.5	53.0	61.4
05/13/15	03:00:00	1826.6	141.5	52.0	60.5
05/13/15	04:00:00	1826.2	141.6	52.2	60.0
05/13/15	05:00:00	1827.0	141.6	51.4	59.6
05/13/15	06:00:00	1827.4	141.7	50.2	58.9
05/13/15	07:00:00	1827.9	141.6	48.8	58.1
05/13/15	08:00:00	1828.7	142.0	50.5	58.5
05/13/15	09:00:00	1829.2	142.6	57.5	61.0
05/13/15	10:00:00	1829.7	143.2	64.9	64.2
05/13/15	11:00:00	1830.2	143.8	71.0	67.4
05/13/15	12:00:00	1830.5	144.3	75.2	70.1
05/13/15	13:00:00	1821.6	144.4	77.9	72.7
05/13/15	14:00:00	1814.7	144.7	80.4	75.0
05/13/15	15:00:00	1810.4	144.7	82.9	77.1
05/13/15	16:00:00	1807.2	144.7	83.9	78.6
05/13/15	17:00:00	1804.4	144.7	83.8	80.4
05/13/15	18:00:00	1808.8	145.1	81.6	79.1
05/13/15	19:00:00	1813.2	145.2	75.9	74.6
05/13/15	20:00:00	1816.8	144.7	69.6	71.0
05/13/15	21:00:00	1818.5	144.6	64.4	68.0
05/13/15	22:00:00	1819.8	144.6	60.3	65.4
05/13/15	23:00:00	1821.2	144.2	57.2	63.5
05/14/15	00:00:00	1822.2	144.2	55.3	62.3
05/14/15	01:00:00	1823.2	144.1	53.9	61.6

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/14/15	02:00:00	1824.1	144.1	52.5	60.8
05/14/15	03:00:00	1824.9	144.1	50.7	59.9
05/14/15	04:00:00	1825.7	144.1	49.3	59.1
05/14/15	05:00:00	1826.4	144.3	48.7	58.7
05/14/15	06:00:00	1827.2	144.5	48.4	58.4
05/14/15	07:00:00	1827.9	144.6	48.5	58.4
05/14/15	08:00:00	1828.7	144.8	50.7	59.2
05/14/15	09:00:00	1829.3	145.4	57.0	61.4
05/14/15	10:00:00	1829.8	145.9	62.6	63.6
05/14/15	11:00:00	1830.5	146.6	68.5	66.6
05/14/15	12:00:00	1830.2	146.9	74.8	69.7
05/14/15	13:00:00	1821.4	147.1	78.3	72.2
05/14/15	14:00:00	1811.6	147.6	82.8	75.5
05/14/15	15:00:00	1804.1	147.8	82.8	76.6
05/14/15	16:00:00	1798.5	147.6	73.7	73.4
05/14/15	17:00:00	1794.2	147.4	67.3	70.7
05/14/15	18:00:00	1800.8	147.4	67.2	70.7
05/14/15	19:00:00	1807.3	147.6	67.0	69.4
05/14/15	20:00:00	1811.3	147.6	65.4	68.1
05/14/15	21:00:00	1813.5	147.6	63.4	66.7
05/14/15	22:00:00	1815.0	147.5	60.7	65.3
05/14/15	23:00:00	1816.5	147.5	58.2	64.0
05/15/15	00:00:00	1817.7	147.5	56.2	62.8
05/15/15	01:00:00	1818.9	147.5	54.6	61.9
05/15/15	02:00:00	1819.9	147.6	53.5	61.1
05/15/15	03:00:00	1821.0	147.6	52.5	60.3
05/15/15	04:00:00	1822.0	147.6	51.4	59.4
05/15/15	05:00:00	1822.9	147.8	50.7	58.8
05/15/15	06:00:00	1823.6	148.0	49.7	58.2
05/15/15	07:00:00	1824.5	148.0	48.8	57.8
05/15/15	08:00:00	1825.3	148.6	52.1	58.7
05/15/15	09:00:00	1826.2	149.2	59.3	61.3
05/15/15	10:00:00	1826.8	149.7	67.0	64.5
05/15/15	11:00:00	1827.4	150.3	73.2	67.8
05/15/15	12:00:00	1827.2	150.5	77.4	70.8
05/15/15	13:00:00	1815.8	150.6	79.3	73.4
05/15/15	14:00:00	1805.0	150.9	81.7	75.9
05/15/15	15:00:00	1799.3	150.9	83.8	77.9
05/15/15	16:00:00	1794.4	151.0	85.6	80.5
05/15/15	17:00:00	1790.0	151.1	87.0	83.2
05/15/15	18:00:00	1796.8	151.1	86.1	82.9
05/15/15	19:00:00	1802.4	151.2	82.8	79.0
05/15/15	20:00:00	1804.0	151.3	77.4	74.9
05/15/15	21:00:00	1805.1	151.1	69.3	71.1
05/15/15	22:00:00	1805.8	150.6	63.1	68.0
05/15/15	23:00:00	1806.5	150.4	59.5	65.9
05/16/15	00:00:00	1807.0	150.4	57.0	64.4
05/16/15	01:00:00	1807.4	150.3	54.7	63.1
05/16/15	02:00:00	1807.8	150.0	53.0	62.0
05/16/15	03:00:00	1808.2	149.8	51.6	61.1
05/16/15	04:00:00	1808.6	149.7	50.5	60.3
05/16/15	05:00:00	1809.1	149.7	49.6	59.4
05/16/15	06:00:00	1809.3	149.7	48.9	58.8
05/16/15	07:00:00	1809.3	149.7	48.3	58.4
05/16/15	08:00:00	(8)	(8)	(8)	(8)
05/16/15	09:00:00	(8)	(8)	(8)	(8)
05/16/15	10:00:00	(8)	(8)	(8)	(8)
05/16/15	11:00:00	(8)	(8)	(8)	(8)
05/16/15	12:00:00	(8)	(8)	(8)	(8)
05/16/15	13:00:00	1810.7	152.6	83.7	76.1
05/16/15	14:00:00	1811.1	152.7	85.4	77.5
05/16/15	15:00:00	1810.9	152.7	88.9	80.2
05/16/15	16:00:00	1811.2	152.7	92.8	83.4
05/16/15	17:00:00	1811.4	152.8	94.0	86.1
05/16/15	18:00:00	1811.5	152.7	92.7	85.9
05/16/15	19:00:00	1811.5	152.7	88.2	81.9
05/16/15	20:00:00	1811.5	152.7	81.0	77.0
05/16/15	21:00:00	1811.5	152.5	72.9	73.3
05/16/15	22:00:00	1811.5	152.0	66.9	70.4
05/16/15	23:00:00	1811.6	152.0	61.9	67.8
05/17/15	00:00:00	1811.6	151.6	58.6	65.8
05/17/15	01:00:00	1811.8	151.2	56.4	64.5
05/17/15	02:00:00	1812.0	151.1	54.7	63.5
05/17/15	03:00:00	1812.0	151.1	53.4	62.6
05/17/15	04:00:00	1812.1	151.1	52.4	61.9
05/17/15	05:00:00	1812.1	151.1	51.4	61.2
05/17/15	06:00:00	1812.1	150.8	50.6	60.5
05/17/15	07:00:00	1812.1	150.8	50.2	60.2
05/17/15	08:00:00	1812.1	151.1	52.1	60.7
05/17/15	09:00:00	1812.2	151.1	55.6	61.9
05/17/15	10:00:00	1812.2	151.2	59.1	63.3
05/17/15	11:00:00	1812.3	151.8	63.7	65.3
05/17/15	12:00:00	1812.5	152.1	68.8	67.7
05/17/15	13:00:00	1812.7	152.7	74.5	70.8
05/17/15	14:00:00	1812.3	153.1	78.9	73.9
05/17/15	15:00:00	1812.3	153.2	79.7	75.5
05/17/15	16:00:00	1812.4	153.2	82.0	77.9
05/17/15	17:00:00	1812.3	153.6	83.7	79.5

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/17/15	18:00:00	1812.3	153.9	81.2	77.4
05/17/15	19:00:00	1812.2	153.5	76.2	74.6
05/17/15	20:00:00	1812.2	153.4	70.8	71.6
05/17/15	21:00:00	1812.2	153.3	65.9	68.7
05/17/15	22:00:00	1812.2	152.8	62.0	66.5
05/17/15	23:00:00	1812.2	152.7	59.3	65.0
05/18/15	00:00:00	1812.1	152.7	57.6	64.2
05/18/15	01:00:00	1812.1	152.7	56.5	63.5
05/18/15	02:00:00	1812.1	152.7	55.8	62.9
05/18/15	03:00:00	1812.2	152.7	55.2	62.4
05/18/15	04:00:00	1812.2	152.7	54.5	61.9
05/18/15	05:00:00	1812.2	152.7	53.8	61.4
05/18/15	06:00:00	1812.2	152.7	53.0	60.9
05/18/15	07:00:00	1812.1	152.7	52.4	60.6
05/18/15	08:00:00	1812.2	152.9	53.8	60.9
05/18/15	09:00:00	1812.3	153.3	57.5	62.1
05/18/15	10:00:00	1812.6	153.9	63.1	64.5
05/18/15	11:00:00	1812.5	154.3	70.2	67.7
05/18/15	12:00:00	1812.8	154.7	74.1	70.2
05/18/15	13:00:00	1812.6	154.9	78.0	72.9
05/18/15	14:00:00	1812.5	155.5	80.9	75.1
05/18/15	15:00:00	1812.3	155.4	83.4	77.6
05/18/15	16:00:00	1812.1	155.5	85.6	80.3
05/18/15	17:00:00	1812.1	155.6	86.2	82.7
05/18/15	18:00:00	1812.1	155.6	85.0	82.1
05/18/15	19:00:00	1812.1	155.6	81.8	78.5
05/18/15	20:00:00	1812.1	155.6	76.0	74.2
05/18/15	21:00:00	1812.1	155.3	68.1	70.8
05/18/15	22:00:00	1812.1	154.9	63.2	68.3
05/18/15	23:00:00	1812.1	154.9	59.7	66.2
05/19/15	00:00:00	1812.1	154.9	56.7	64.5
05/19/15	01:00:00	1812.1	154.9	54.4	63.1
05/19/15	02:00:00	1812.1	154.8	52.4	62.0
05/19/15	03:00:00	1812.1	154.8	50.7	61.0
05/19/15	04:00:00	1812.1	154.9	49.4	60.1
05/19/15	05:00:00	1812.1	154.8	48.6	59.4
05/19/15	06:00:00	1812.1	154.8	47.8	58.8
05/19/15	07:00:00	1812.0	154.8	47.4	58.4
05/19/15	08:00:00	1812.1	155.3	51.3	59.4
05/19/15	09:00:00	1812.2	156.0	59.1	62.1
05/19/15	10:00:00	1812.2	156.5	66.9	65.1
05/19/15	11:00:00	1812.2	157.0	73.1	68.1
05/19/15	12:00:00	1812.2	157.6	77.8	71.3
05/19/15	13:00:00	1812.2	157.8	80.9	74.3
05/19/15	14:00:00	1812.2	158.4	84.0	77.0
05/19/15	15:00:00	1812.1	158.5	87.1	79.5
05/19/15	16:00:00	1811.9	158.6	89.2	82.4
05/19/15	17:00:00	1812.1	158.7	90.5	85.2
05/19/15	18:00:00	1811.8	158.9	90.7	85.0
05/19/15	19:00:00	1811.8	159.2	87.3	81.4
05/19/15	20:00:00	1811.7	159.3	79.9	76.2
05/19/15	21:00:00	1811.8	158.7	70.7	72.0
05/19/15	22:00:00	1811.8	158.6	64.7	69.2
05/19/15	23:00:00	1811.7	158.5	60.7	66.7
05/20/15	00:00:00	1811.7	158.2	57.7	65.0
05/20/15	01:00:00	1811.5	158.0	55.6	63.9
05/20/15	02:00:00	1811.5	157.9	53.7	62.8
05/20/15	03:00:00	1811.5	157.9	52.1	61.9
05/20/15	04:00:00	1811.4	157.9	50.9	61.1
05/20/15	05:00:00	1811.4	157.9	49.7	60.4
05/20/15	06:00:00	1811.4	158.0	48.7	59.8
05/20/15	07:00:00	1811.4	158.0	48.3	59.3
05/20/15	08:00:00	1811.8	158.6	52.1	60.2
05/20/15	09:00:00	1812.0	159.3	59.7	62.7
05/20/15	10:00:00	1811.9	159.7	67.6	65.7
05/20/15	11:00:00	1811.8	160.0	72.8	68.5
05/20/15	12:00:00	1812.1	160.5	77.5	71.5
05/20/15	13:00:00	1812.1	160.7	82.1	74.8
05/20/15	14:00:00	1811.7	161.0	85.2	77.7
05/20/15	15:00:00	1811.5	161.0	87.6	80.0
05/20/15	16:00:00	1811.4	160.9	87.6	81.4
05/20/15	17:00:00	1811.4	160.9	85.7	82.1
05/20/15	18:00:00	1811.4	160.8	83.9	81.4
05/20/15	19:00:00	1811.4	160.8	81.3	78.4
05/20/15	20:00:00	1811.4	160.8	75.9	74.1
05/20/15	21:00:00	1811.4	160.6	68.1	70.3
05/20/15	22:00:00	1811.4	160.1	62.2	67.3
05/20/15	23:00:00	1811.4	160.0	58.8	65.2
05/21/15	00:00:00	1811.4	159.7	57.1	64.1
05/21/15	01:00:00	1811.4	159.7	55.9	63.4
05/21/15	02:00:00	1811.4	159.5	54.8	62.6
05/21/15	03:00:00	1811.4	159.4	53.8	62.0
05/21/15	04:00:00	1811.4	159.3	52.7	61.3
05/21/15	05:00:00	1811.3	159.3	52.0	60.5
05/21/15	06:00:00	1811.3	159.4	52.4	60.0
05/21/15	07:00:00	1811.3	159.5	53.1	60.0
05/21/15	08:00:00	1811.8	160.0	55.6	60.8
05/21/15	09:00:00	1813.8	160.1	59.3	62.2
05/21/15	10:00:00	1815.6	160.8	63.0	64.1

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/21/15	11:00:00	1817.2	161.4	69.4	67.3
05/21/15	12:00:00	1817.5	161.5	73.0	69.7
05/21/15	13:00:00	1815.5	162.0	76.3	72.3
05/21/15	14:00:00	1814.9	162.5	80.6	75.5
05/21/15	15:00:00	1814.4	162.9	83.0	77.2
05/21/15	16:00:00	1814.4	162.7	84.1	78.4
05/21/15	17:00:00	1814.0	163.1	86.4	80.6
05/21/15	18:00:00	1813.7	163.4	85.3	79.8
05/21/15	19:00:00	1815.5	163.2	81.2	77.5
05/21/15	20:00:00	1817.9	163.6	77.0	74.2
05/21/15	21:00:00	1819.2	163.0	69.6	70.7
05/21/15	22:00:00	1820.2	162.9	64.1	68.0
05/21/15	23:00:00	1820.8	162.9	61.0	66.1
05/22/15	00:00:00	1820.6	162.9	59.3	64.8
05/22/15	01:00:00	1822.2	162.9	58.2	63.8
05/22/15	02:00:00	1823.1	162.9	57.2	63.1
05/22/15	03:00:00	1823.7	162.9	56.4	62.6
05/22/15	04:00:00	1824.3	162.9	54.9	61.7
05/22/15	05:00:00	1825.0	162.9	53.3	61.1
05/22/15	06:00:00	1825.6	162.9	52.6	60.8
05/22/15	07:00:00	1826.1	162.9	52.4	60.7
05/22/15	08:00:00	1826.7	162.9	54.0	61.0
05/22/15	09:00:00	1827.1	163.5	57.5	62.1
05/22/15	10:00:00	1827.8	163.7	61.3	63.7
05/22/15	11:00:00	1828.5	164.6	67.2	66.6
05/22/15	12:00:00	1828.3	165.2	74.1	70.2
05/22/15	13:00:00	1825.7	165.7	79.1	73.5
05/22/15	14:00:00	1824.5	166.0	83.6	76.6
05/22/15	15:00:00	1823.8	166.3	87.1	79.3
05/22/15	16:00:00	1823.2	166.5	88.7	81.4
05/22/15	17:00:00	1822.5	166.6	88.9	83.4
05/22/15	18:00:00	1822.2	166.6	88.9	83.4
05/22/15	19:00:00	1823.4	167.0	85.5	80.2
05/22/15	20:00:00	1825.7	166.9	77.4	75.6
05/22/15	21:00:00	1826.7	166.6	70.8	72.4
05/22/15	22:00:00	1827.5	166.6	66.1	69.8
05/22/15	23:00:00	1828.3	166.5	63.2	68.0
05/23/15	00:00:00	1829.0	166.3	61.1	66.8
05/23/15	01:00:00	1829.5	166.2	58.9	65.6
05/23/15	02:00:00	1830.0	166.0	57.0	64.5
05/23/15	03:00:00	1830.5	165.9	55.5	63.7
05/23/15	04:00:00	1830.1	166.0	54.8	63.0
05/23/15	05:00:00	1831.1	166.1	54.2	62.3
05/23/15	06:00:00	1831.7	166.0	53.2	61.7
05/23/15	07:00:00	1832.1	166.1	52.6	61.4
05/23/15	08:00:00	1832.7	166.6	54.6	61.9
05/23/15	09:00:00	1833.2	166.8	57.9	63.0
05/23/15	10:00:00	1833.8	167.5	64.3	65.5
05/23/15	11:00:00	1834.2	168.0	72.7	68.9
05/23/15	12:00:00	1834.6	168.4	79.2	72.1
05/23/15	13:00:00	1835.0	168.7	83.5	74.8
05/23/15	14:00:00	1835.4	169.2	86.3	77.1
05/23/15	15:00:00	1835.6	169.4	89.7	79.8
05/23/15	16:00:00	1835.7	169.5	92.8	82.6
05/23/15	17:00:00	1836.2	169.6	93.8	85.0
05/23/15	18:00:00	1836.4	169.6	92.9	84.7
05/23/15	19:00:00	1836.5	170.0	90.2	82.3
05/23/15	20:00:00	1837.0	170.1	84.2	78.2
05/23/15	21:00:00	1837.2	169.7	76.8	75.1
05/23/15	22:00:00	1837.7	169.5	71.1	72.3
05/23/15	23:00:00	1837.9	169.4	66.7	70.2
05/24/15	00:00:00	1838.2	169.4	63.3	68.4
05/24/15	01:00:00	1838.6	169.2	60.7	66.8
05/24/15	02:00:00	1838.8	169.0	58.4	65.6
05/24/15	03:00:00	1839.3	168.8	56.5	64.5
05/24/15	04:00:00	1839.4	168.8	54.9	63.6
05/24/15	05:00:00	1839.9	168.8	53.5	62.7
05/24/15	06:00:00	1840.0	168.8	52.9	62.0
05/24/15	07:00:00	1840.3	168.9	52.8	61.6
05/24/15	08:00:00	1840.7	169.6	57.0	62.6
05/24/15	09:00:00	1841.0	170.2	64.5	65.4
05/24/15	10:00:00	1841.4	170.8	71.4	68.6
05/24/15	11:00:00	1841.7	171.3	77.3	71.9
05/24/15	12:00:00	1842.0	171.8	82.4	75.1
05/24/15	13:00:00	1842.1	172.0	86.3	78.4
05/24/15	14:00:00	1842.3	172.4	90.7	81.3
05/24/15	15:00:00	1842.3	172.4	94.9	84.0
05/24/15	16:00:00	1842.9	172.6	97.5	86.5
05/24/15	17:00:00	1842.9	172.8	96.5	88.1
05/24/15	18:00:00	1843.1	172.7	94.0	87.0
05/24/15	19:00:00	1843.4	173.1	89.9	83.6
05/24/15	20:00:00	1843.7	172.6	82.6	78.5
05/24/15	21:00:00	1844.0	172.3	73.1	74.2
05/24/15	22:00:00	1844.4	172.0	66.4	71.0
05/24/15	23:00:00	1844.5	171.8	61.6	68.2
05/25/15	00:00:00	1845.1	171.8	58.4	66.4
05/25/15	01:00:00	1845.1	171.4	56.5	65.3
05/25/15	02:00:00	1845.4	171.1	55.1	64.4
05/25/15	03:00:00	1845.9	171.1	53.9	63.6

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/25/15	04:00:00	1845.9	170.9	52.8	62.7
05/25/15	05:00:00	1846.1	171.0	52.1	62.2
05/25/15	06:00:00	1846.2	170.9	51.6	61.5
05/25/15	07:00:00	1846.5	171.0	51.3	61.2
05/25/15	08:00:00	1847.3	171.8	55.4	62.1
05/25/15	09:00:00	1847.4	172.3	62.5	64.5
05/25/15	10:00:00	1847.5	172.9	69.6	67.4
05/25/15	11:00:00	1848.0	173.2	75.9	70.6
05/25/15	12:00:00	1848.1	173.7	80.9	73.8
05/25/15	13:00:00	1848.1	173.9	84.3	76.7
05/25/15	14:00:00	1848.0	174.3	87.0	79.2
05/25/15	15:00:00	1848.1	174.3	89.7	81.5
05/25/15	16:00:00	1848.6	174.2	91.1	83.3
05/25/15	17:00:00	1848.7	174.4	91.2	85.3
05/25/15	18:00:00	1848.8	174.5	89.2	84.2
05/25/15	19:00:00	1848.9	174.6	85.0	80.8
05/25/15	20:00:00	1849.5	174.4	78.3	76.0
05/25/15	21:00:00	1849.5	173.9	69.9	72.1
05/25/15	22:00:00	1847.7	173.8	63.5	68.9
05/25/15	23:00:00	1848.1	173.3	59.6	66.7
05/26/15	00:00:00	1847.8	173.2	57.2	65.2
05/26/15	01:00:00	1848.5	173.2	55.4	63.8
05/26/15	02:00:00	1848.8	173.2	54.2	62.8
05/26/15	03:00:00	1848.8	173.2	53.3	62.0
05/26/15	04:00:00	1848.9	173.0	52.6	61.3
05/26/15	05:00:00	1849.7	173.2	52.1	60.8
05/26/15	06:00:00	1850.2	173.1	51.8	60.3
05/26/15	07:00:00	1850.5	173.2	52.0	60.0
05/26/15	08:00:00	1851.0	173.7	56.5	61.1
05/26/15	09:00:00	1851.5	174.2	62.9	63.6
05/26/15	10:00:00	1851.8	174.6	68.9	66.5
05/26/15	11:00:00	1852.1	175.1	74.0	69.6
05/26/15	12:00:00	1852.2	175.3	77.8	72.5
05/26/15	13:00:00	1849.0	175.6	80.7	75.2
05/26/15	14:00:00	1847.6	176.0	84.2	77.7
05/26/15	15:00:00	1846.6	176.0	87.9	80.3
05/26/15	16:00:00	1845.9	176.0	90.4	82.5
05/26/15	17:00:00	1845.2	176.0	90.9	84.8
05/26/15	18:00:00	1844.5	176.0	89.3	84.0
05/26/15	19:00:00	1843.9	176.1	86.1	81.1
05/26/15	20:00:00	1845.8	176.0	80.2	76.6
05/26/15	21:00:00	1847.8	175.9	71.0	72.4
05/26/15	22:00:00	1848.6	175.4	64.0	69.1
05/26/15	23:00:00	1849.3	175.4	59.8	66.8
05/27/15	00:00:00	1849.7	175.3	57.3	65.2
05/27/15	01:00:00	1850.2	175.1	55.7	64.0
05/27/15	02:00:00	1850.3	174.9	54.6	63.0
05/27/15	03:00:00	1851.1	174.9	53.6	62.3
05/27/15	04:00:00	1851.4	174.7	52.6	61.8
05/27/15	05:00:00	1851.9	174.7	52.0	61.1
05/27/15	06:00:00	1851.9	174.6	51.9	60.4
05/27/15	07:00:00	1852.6	174.8	52.3	60.2
05/27/15	08:00:00	1853.2	175.6	56.5	61.3
05/27/15	09:00:00	1853.4	176.0	63.0	63.7
05/27/15	10:00:00	1853.9	176.6	69.0	66.5
05/27/15	11:00:00	1854.5	176.8	73.9	69.3
05/27/15	12:00:00	1854.6	177.4	77.4	72.0
05/27/15	13:00:00	1851.3	177.5	81.8	75.6
05/27/15	14:00:00	1850.1	178.0	85.7	78.2
05/27/15	15:00:00	1849.1	178.2	89.9	81.0
05/27/15	16:00:00	1848.4	178.3	92.8	83.5
05/27/15	17:00:00	1847.8	178.3	93.4	85.8
05/27/15	18:00:00	1847.2	178.3	91.7	85.2
05/27/15	19:00:00	1848.4	178.4	88.6	82.5
05/27/15	20:00:00	1850.6	178.3	83.3	78.3
05/27/15	21:00:00	1851.6	178.3	75.4	74.9
05/27/15	22:00:00	1852.2	177.8	69.1	72.0
05/27/15	23:00:00	1852.6	177.5	64.7	69.7
05/28/15	00:00:00	1853.2	177.5	61.5	68.1
05/28/15	01:00:00	1853.7	177.5	59.1	66.7
05/28/15	02:00:00	1854.2	177.4	56.6	65.3
05/28/15	03:00:00	1854.6	177.0	54.4	64.0
05/28/15	04:00:00	1855.0	176.8	52.4	62.9
05/28/15	05:00:00	1855.4	176.8	50.7	61.9
05/28/15	06:00:00	1856.2	176.8	49.3	61.0
05/28/15	07:00:00	1856.4	176.8	48.6	60.5
05/28/15	08:00:00	1856.8	177.3	53.2	61.5
05/28/15	09:00:00	1857.4	178.0	61.7	64.3
05/28/15	10:00:00	1857.7	178.5	69.8	67.4
05/28/15	11:00:00	1858.0	178.9	76.3	70.7
05/28/15	12:00:00	1858.0	178.9	80.8	73.8
05/28/15	13:00:00	1854.8	179.4	85.1	76.8
05/28/15	14:00:00	1853.5	179.8	88.4	79.3
05/28/15	15:00:00	1852.7	179.8	90.5	81.1
05/28/15	16:00:00	1852.0	179.8	93.2	83.1
05/28/15	17:00:00	1851.2	179.8	98.0	86.7
05/28/15	18:00:00	1850.6	180.4	100.1	87.4
05/28/15	19:00:00	1851.9	180.5	98.4	86.0
05/28/15	20:00:00	1853.9	180.5	93.9	82.4

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
05/28/15	21:00:00	1854.8	180.4	85.0	78.9
05/28/15	22:00:00	1855.4	179.9	76.2	75.4
05/28/15	23:00:00	1856.2	179.8	69.9	72.5
05/29/15	00:00:00	1856.6	179.7	65.2	70.1
05/29/15	01:00:00	1856.9	179.2	61.7	68.3
05/29/15	02:00:00	1857.6	179.0	58.6	66.6
05/29/15	03:00:00	1857.8	179.0	55.7	65.1
05/29/15	04:00:00	1858.4	178.9	53.3	63.8
05/29/15	05:00:00	1858.8	178.8	51.3	62.6
05/29/15	06:00:00	1859.1	178.6	49.6	61.6
05/29/15	07:00:00	1859.6	178.7	48.8	61.0
05/29/15	08:00:00	1860.2	179.4	53.6	62.0
05/29/15	09:00:00	1860.6	180.0	62.2	64.8
05/29/15	10:00:00	1860.8	180.6	70.8	67.9
05/29/15	11:00:00	1861.3	181.1	77.8	71.2
05/29/15	12:00:00	1861.0	181.2	83.3	74.8
05/29/15	13:00:00	1858.2	181.8	87.7	78.4
05/29/15	14:00:00	1856.7	182.0	92.5	81.8
05/29/15	15:00:00	1855.8	182.1	97.3	85.0
05/29/15	16:00:00	1855.1	182.6	100.7	87.4
05/29/15	17:00:00	1854.4	182.5	101.5	89.0
05/29/15	18:00:00	1853.8	182.6	102.9	90.1
05/29/15	19:00:00	1854.8	182.6	101.3	88.6
05/29/15	20:00:00	1857.1	182.7	95.9	84.6
05/29/15	21:00:00	1858.0	182.6	87.4	81.1
05/29/15	22:00:00	1858.7	182.2	79.5	77.7
05/29/15	23:00:00	1859.1	181.9	72.9	74.7
05/30/15	00:00:00	1859.7	181.9	68.0	72.3
05/30/15	01:00:00	1859.9	181.6	64.2	70.2
05/30/15	02:00:00	1860.4	181.3	60.9	68.5
05/30/15	03:00:00	1858.1	181.3	58.2	67.0
05/30/15	04:00:00	1856.5	181.2	55.8	65.6
05/30/15	05:00:00	1855.7	181.1	53.7	64.4
05/30/15	06:00:00	1855.0	180.9	52.1	63.5
05/30/15	07:00:00	1854.7	181.2	51.9	62.7
05/30/15	08:00:00	(9)	181.2	54.5	63.2
05/30/15	09:00:00	(9)	181.2	55.2	63.5
05/30/15	10:00:00	(9)	181.3	55.2	63.5
05/30/15	11:00:00	(9)	181.9	60.3	67.3
05/30/15	12:00:00	1851.1	183.5	84.3	75.5
05/30/15	13:00:00	1851.0	183.9	87.7	78.4
05/30/15	14:00:00	1848.8	184.2	91.2	81.1
05/30/15	15:00:00	1848.8	184.2	94.9	83.7
05/30/15	16:00:00	1844.8	184.2	99.8	86.6
05/30/15	17:00:00	1845.2	184.3	102.9	89.6
05/30/15	18:00:00	1840.1	184.5	102.9	89.7
05/30/15	19:00:00	1841.0	184.6	101.4	88.5
05/30/15	20:00:00	1840.1	184.8	96.3	84.6
05/30/15	21:00:00	1832.7	184.1	86.0	80.8
05/30/15	22:00:00	1829.1	183.6	76.5	77.0
05/30/15	23:00:00	1826.4	183.4	69.9	74.0
05/31/15	00:00:00	1823.9	183.2	65.6	71.6
05/31/15	01:00:00	1821.5	182.8	62.6	69.8
05/31/15	02:00:00	1819.1	182.6	60.3	68.5
05/31/15	03:00:00	1817.0	182.7	58.1	67.2
05/31/15	04:00:00	1815.0	182.5	56.0	66.0
05/31/15	05:00:00	1813.1	182.4	54.3	64.9
05/31/15	06:00:00	1810.7	182.1	53.0	64.0
05/31/15	07:00:00	1808.8	182.0	52.5	63.2
05/31/15	08:00:00	1807.1	182.8	56.7	63.7
05/31/15	09:00:00	1805.4	183.3	64.7	66.7
05/31/15	10:00:00	1803.4	183.6	71.2	69.3
05/31/15	11:00:00	1801.9	183.9	74.1	71.3
05/31/15	12:00:00	1800.2	184.1	79.3	74.2
05/31/15	13:00:00	1798.5	184.7	82.9	76.7
05/31/15	14:00:00	1796.7	184.4	81.7	77.1
05/31/15	15:00:00	1795.3	184.4	82.7	78.0
05/31/15	16:00:00	1793.9	184.7	82.9	78.3
05/31/15	17:00:00	1792.4	184.4	82.4	78.9
05/31/15	18:00:00	1790.9	184.7	87.4	81.8
05/31/15	19:00:00	1789.4	184.8	86.5	79.9
05/31/15	20:00:00	1788.1	184.7	80.9	76.3
05/31/15	21:00:00	1786.8	184.2	71.9	72.7
05/31/15	22:00:00	1785.5	183.8	63.7	69.0
05/31/15	23:00:00	1784.7	183.4	59.3	66.6
06/01/15	00:00:00	1783.2	183.4	57.0	65.2

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
06/01/15	01:00:00	1781.8	183.3	55.9	64.2
06/01/15	02:00:00	1780.5	183.3	55.6	63.7
06/01/15	03:00:00	1779.3	183.1	55.7	63.4
06/01/15	04:00:00	1778.0	183.0	55.3	63.1
06/01/15	05:00:00	1776.7	183.0	54.9	62.9
06/01/15	06:00:00	1775.4	183.0	54.0	62.5
06/01/15	07:00:00	1774.4	182.9	53.5	62.2
06/01/15	08:00:00	1773.1	183.5	57.4	63.2
06/01/15	09:00:00	1772.1	184.1	64.9	65.7
06/01/15	10:00:00	1770.9	184.7	72.0	68.6
06/01/15	11:00:00	1769.6	184.6	76.2	70.8
06/01/15	12:00:00	1768.5	185.0	78.8	72.5
06/01/15	13:00:00	1767.4	185.4	82.7	75.0
06/01/15	14:00:00	1766.0	185.8	87.3	79.0
06/01/15	15:00:00	1768.5	186.1	90.2	81.2
06/01/15	16:00:00	1773.5	185.9	91.5	82.5
06/01/15	17:00:00	1768.5	185.6	93.0	84.8
06/01/15	18:00:00	1765.8	186.2	91.9	84.3
06/01/15	19:00:00	1764.4	185.9	88.3	81.8
06/01/15	20:00:00	1763.1	185.8	82.8	78.2
06/01/15	21:00:00	1762.0	185.5	75.4	75.3
06/01/15	22:00:00	1760.8	185.4	70.0	72.9
06/01/15	23:00:00	1763.4	185.1	66.5	71.1
06/02/15	00:00:00	1770.5	185.1	63.9	69.5
06/02/15	01:00:00	1773.6	185.0	61.8	68.2
06/02/15	02:00:00	1775.7	184.9	60.3	67.1
06/02/15	03:00:00	1777.5	185.0	59.4	66.4
06/02/15	04:00:00	1779.1	185.0	58.5	65.7
06/02/15	05:00:00	1780.5	185.0	57.4	65.0
06/02/15	06:00:00	1781.8	185.0	55.7	64.1
06/02/15	07:00:00	1783.1	185.0	54.5	63.5
06/02/15	08:00:00	1784.4	185.4	58.9	64.3
06/02/15	09:00:00	1785.5	186.1	65.7	66.3
06/02/15	10:00:00	1786.4	186.5	72.1	69.0
06/02/15	11:00:00	1787.5	187.0	77.3	72.4
06/02/15	12:00:00	1787.3	187.1	80.9	75.1
06/02/15	13:00:00	1786.5	187.1	83.2	77.8
06/02/15	14:00:00	1786.4	187.8	87.5	80.4
06/02/15	15:00:00	1786.8	187.9	91.5	82.8
06/02/15	16:00:00	1786.6	187.8	95.1	85.1
06/02/15	17:00:00	1786.8	187.8	97.6	87.5
06/02/15	18:00:00	1787.0	187.9	97.1	87.1
06/02/15	19:00:00	1787.2	187.8	93.2	84.7
06/02/15	20:00:00	1787.3	187.8	87.8	81.3
06/02/15	21:00:00	1787.3	187.3	80.7	78.5
06/02/15	22:00:00	1787.3	187.0	75.0	76.1
06/02/15	23:00:00	1787.3	186.9	70.8	73.9
06/03/15	00:00:00	1787.3	186.7	67.1	72.0
06/03/15	01:00:00	1787.7	186.4	64.2	70.5
06/03/15	02:00:00	1787.6	186.4	62.4	69.3
06/03/15	03:00:00	1787.8	186.4	60.5	68.0
06/03/15	04:00:00	1787.8	186.3	58.3	66.8
06/03/15	05:00:00	1787.9	186.0	56.3	65.7
06/03/15	06:00:00	1787.8	185.7	54.3	64.6
06/03/15	07:00:00	1789.0	185.7	53.0	63.8
06/03/15	08:00:00	1790.6	186.4	57.1	64.5
06/03/15	09:00:00	1791.3	186.9	65.6	67.3
06/03/15	10:00:00	1791.9	187.5	73.1	70.4
06/03/15	11:00:00	1790.9	187.8	78.2	72.6
06/03/15	12:00:00	1791.8	188.4	83.2	76.5
06/03/15	13:00:00	1789.7	188.5	86.6	79.5
06/03/15	14:00:00	1791.2	188.9	89.8	82.1
06/03/15	15:00:00	1786.5	189.1	92.7	84.0
06/03/15	16:00:00	1787.6	189.1	90.8	83.5
06/03/15	17:00:00	1785.4	188.6	87.4	82.6
06/03/15	18:00:00	1782.0	188.5	83.1	81.1
06/03/15	19:00:00	1780.0	188.5	79.0	79.3
06/03/15	20:00:00	1778.1	188.2	75.3	77.4
06/03/15	21:00:00	1776.6	187.9	70.7	75.1
06/03/15	22:00:00	1775.2	187.8	67.2	73.2
06/03/15	23:00:00	1773.7	187.4	64.0	71.2
06/04/15	00:00:00	1772.3	187.1	61.4	69.5
06/04/15	01:00:00	1771.0	187.0	59.2	68.1
06/04/15	02:00:00	1770.0	187.0	57.1	66.8
06/04/15	03:00:00	1769.3	186.8	55.0	65.5
06/04/15	04:00:00	1774.4	186.8	52.9	64.3
06/04/15	05:00:00	1777.0	186.5	51.2	63.3
06/04/15	06:00:00	1778.5	186.5	49.9	62.5
06/04/15	07:00:00	1779.6	186.5	49.5	62.1
06/04/15	08:00:00	1780.8	186.9	54.0	63.0
06/04/15	09:00:00	1781.8	187.7	62.2	65.5
06/04/15	10:00:00	1782.5	188.2	70.2	68.6
06/04/15	11:00:00	1783.3	188.6	76.9	71.7
06/04/15	12:00:00	1783.9	189.2	82.2	74.7
06/04/15	13:00:00	1784.5	189.2	86.6	77.7
06/04/15	14:00:00	1785.2	189.8	90.8	80.6
06/04/15	15:00:00	1785.5	190.0	95.2	83.3
06/04/15	16:00:00	1785.9	190.0	99.3	85.6
06/04/15	17:00:00	1786.4	190.0	100.9	88.1

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
06/04/15	18:00:00	1786.6	190.1	100.5	88.1
06/04/15	19:00:00	1787.1	190.1	98.8	86.8
06/04/15	20:00:00	1787.4	190.0	94.8	83.9
06/04/15	21:00:00	1788.0	190.0	87.3	81.1
06/04/15	22:00:00	1788.1	189.6	80.0	78.4
06/04/15	23:00:00	1788.6	189.3	75.0	76.2
06/05/15	00:00:00	1788.7	189.3	71.2	74.2
06/05/15	01:00:00	1789.0	189.2	68.1	72.6
06/05/15	02:00:00	1789.5	189.2	65.9	71.3
06/05/15	03:00:00	1789.5	188.9	64.1	70.2
06/05/15	04:00:00	1789.9	188.7	62.2	69.0
06/05/15	05:00:00	1790.3	188.6	61.0	68.2
06/05/15	06:00:00	1790.3	188.5	60.1	67.3
06/05/15	07:00:00	1790.7	188.6	59.7	66.8
06/05/15	08:00:00	1790.9	189.2	63.6	67.5
06/05/15	09:00:00	1791.2	189.7	70.6	69.8
06/05/15	10:00:00	1791.8	190.0	77.5	72.7
06/05/15	11:00:00	1791.8	190.6	83.8	75.9
06/05/15	12:00:00	1791.8	190.8	88.9	78.9
06/05/15	13:00:00	1792.2	191.4	93.9	81.8
06/05/15	14:00:00	1792.2	191.5	98.4	84.5
06/05/15	15:00:00	1792.2	191.6	101.1	87.0
06/05/15	16:00:00	1792.3	191.6	103.4	89.0
06/05/15	17:00:00	1792.3	191.8	105.2	90.8
06/05/15	18:00:00	1792.3	192.1	104.2	90.5
06/05/15	19:00:00	1792.3	192.1	97.7	87.6
06/05/15	20:00:00	1792.3	191.7	90.9	84.9
06/05/15	21:00:00	1792.6	191.6	86.0	82.5
06/05/15	22:00:00	1792.9	191.6	81.4	80.4
06/05/15	23:00:00	1793.0	191.4	77.4	78.3
06/06/15	00:00:00	1793.1	190.9	73.7	76.3
06/06/15	01:00:00	1793.1	190.7	69.5	74.1
06/06/15	02:00:00	1793.1	190.7	66.4	72.4
06/06/15	03:00:00	1793.1	190.4	64.1	71.0
06/06/15	04:00:00	1793.2	190.4	62.7	69.9
06/06/15	05:00:00	1793.2	190.1	61.5	69.1
06/06/15	06:00:00	1793.6	190.1	60.1	68.1
06/06/15	07:00:00	1793.7	190.0	59.3	67.4
06/06/15	08:00:00	1793.9	190.7	62.6	67.7
06/06/15	09:00:00	1793.9	191.2	68.8	69.7
06/06/15	10:00:00	1794.0	191.6	75.5	72.4
06/06/15	11:00:00	1794.1	192.1	81.3	75.3
06/06/15	12:00:00	1794.3	192.1	86.4	78.4
06/06/15	13:00:00	1794.3	192.8	90.3	81.6
06/06/15	14:00:00	1794.3	193.0	94.6	84.6
06/06/15	15:00:00	1794.0	193.0	98.2	86.9
06/06/15	16:00:00	1794.1	193.0	99.9	88.4
06/06/15	17:00:00	1794.1	193.3	95.0	86.8
06/06/15	18:00:00	1794.2	193.0	89.4	84.7
06/06/15	19:00:00	1794.4	192.9	84.2	82.0
06/06/15	20:00:00	1794.5	192.3	79.5	79.7
06/06/15	21:00:00	1794.6	192.2	76.0	77.8
06/06/15	22:00:00	1794.6	192.2	72.0	75.7
06/06/15	23:00:00	1794.6	192.0	68.9	73.9
06/07/15	00:00:00	1794.6	191.7	66.5	72.5
06/07/15	01:00:00	1794.6	191.6	64.3	71.1
06/07/15	02:00:00	1794.6	191.6	62.5	69.8
06/07/15	03:00:00	1794.6	191.6	61.2	69.0
06/07/15	04:00:00	1794.6	191.3	59.9	68.2
06/07/15	05:00:00	1794.6	191.0	58.5	67.5
06/07/15	06:00:00	1794.6	190.8	57.2	66.8
06/07/15	07:00:00	1794.8	190.8	56.9	66.3
06/07/15	08:00:00	1795.2	191.6	61.3	67.0
06/07/15	09:00:00	1795.4	192.1	68.5	69.1
06/07/15	10:00:00	1795.4	192.3	76.0	71.9
06/07/15	11:00:00	1795.4	193.0	82.8	75.0
06/07/15	12:00:00	1795.4	193.1	88.9	78.4
06/07/15	13:00:00	1795.3	193.5	94.5	81.7
06/07/15	14:00:00	1795.3	193.7	99.9	84.8
06/07/15	15:00:00	1795.3	193.6	105.3	87.6
06/07/15	16:00:00	1795.3	193.6	109.7	90.2
06/07/15	17:00:00	1795.3	194.2	113.0	92.8
06/07/15	18:00:00	1795.3	194.5	114.3	93.5
06/07/15	19:00:00	1795.2	194.5	111.9	92.8
06/07/15	20:00:00	1795.2	194.3	105.8	89.8
06/07/15	21:00:00	1795.3	193.7	96.8	86.8
06/07/15	22:00:00	1795.3	193.6	88.8	84.0
06/07/15	23:00:00	1795.3	193.4	83.2	81.7
06/08/15	00:00:00	1795.3	193.1	79.2	79.9
06/08/15	01:00:00	1795.3	193.0	76.4	78.2
06/08/15	02:00:00	1795.3	193.0	73.8	76.8
06/08/15	03:00:00	1795.3	193.0	71.7	75.5
06/08/15	04:00:00	1795.3	192.8	69.8	74.3
06/08/15	05:00:00	1795.3	192.2	67.6	73.1
06/08/15	06:00:00	1795.3	192.2	65.6	72.0
06/08/15	07:00:00	1795.4	192.2	64.5	71.2
06/08/15	08:00:00	1795.7	192.8	67.9	71.8
06/08/15	09:00:00	1795.4	193.0	73.8	73.7
06/08/15	10:00:00	1795.5	193.0	80.4	75.8

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
06/08/15	11:00:00	1795.4	192.9	80.5	77.7
06/08/15	12:00:00	1795.7	194.0	80.5	83.2
06/08/15	13:00:00	1796.1	194.7	99.7	86.5
06/08/15	14:00:00	1796.1	194.6	106.9	88.5
06/08/15	15:00:00	1796.0	195.2	107.4	88.9
06/08/15	16:00:00	1796.0	195.2	107.4	90.0
06/08/15	17:00:00	1795.6	195.2	121.9	97.7
06/08/15	18:00:00	1795.3	195.8	124.3	98.2
06/08/15	19:00:00	1795.4	195.8	124.3	97.1
06/08/15	20:00:00	1795.3	195.5	122.8	94.4
06/08/15	21:00:00	1795.3	195.1	113.9	91.5
06/08/15	22:00:00	1795.5	195.0	102.7	88.6
06/08/15	23:00:00	1795.6	194.6	94.0	86.1
06/09/15	00:00:00	1795.6	194.4	88.1	84.1
06/09/15	01:00:00	1795.6	194.4	83.8	82.3
06/09/15	02:00:00	1795.6	194.2	79.6	80.1
06/09/15	03:00:00	1795.7	193.6	75.6	78.2
06/09/15	04:00:00	1795.8	193.5	72.3	76.6
06/09/15	05:00:00	1795.8	193.5	69.6	75.2
06/09/15	06:00:00	1795.9	193.4	67.4	74.0
06/09/15	07:00:00	1796.0	193.1	65.9	73.2
06/09/15	08:00:00	1796.0	193.5	67.3	73.3
06/09/15	09:00:00	1796.0	194.0	75.8	75.1
06/09/15	10:00:00	1796.0	194.6	82.6	77.6
06/09/15	11:00:00	1796.0	194.5	84.5	79.3
06/09/15	12:00:00	1796.0	194.4	85.3	80.0
06/09/15	13:00:00	1796.0	194.4	85.3	80.0
06/09/15	14:00:00	1796.0	194.4	85.3	80.0
06/09/15	15:00:00	(10)	(10)	(10)	(10)
06/09/15	16:00:00	(10)	(10)	(10)	(10)
06/09/15	17:00:00	(10)	(10)	(10)	(10)
06/09/15	18:00:00	(10)	(10)	(10)	(10)
06/09/15	19:00:00	(10)	(10)	(10)	(10)
06/09/15	20:00:00	(10)	(10)	(10)	(10)
06/09/15	21:00:00	(10)	(10)	(10)	(10)
06/09/15	22:00:00	(10)	(10)	(10)	(10)
06/09/15	23:00:00	(10)	(10)	(10)	(10)
06/10/15	00:00:00	(10)	(10)	(10)	(10)
06/10/15	01:00:00	(10)	(10)	(10)	(10)
06/10/15	02:00:00	(10)	(10)	(10)	(10)
06/10/15	03:00:00	(10)	(10)	(10)	(10)
06/10/15	04:00:00	(10)	(10)	(10)	(10)
06/10/15	05:00:00	(10)	(10)	(10)	(10)
06/10/15	06:00:00	(10)	(10)	(10)	(10)
06/10/15	07:00:00	(10)	(10)	(10)	(10)
06/10/15	08:00:00	(10)	(10)	(10)	(10)
06/10/15	09:00:00	(10)	(10)	(10)	(10)
06/10/15	10:00:00	(10)	(10)	(10)	(10)
06/10/15	11:00:00	(10)	(10)	(10)	(10)
06/10/15	12:00:00	(10)	(10)	(10)	(10)
06/10/15	13:00:00	(10)	(10)	(10)	(10)
06/10/15	14:00:00	(10)	(10)	(10)	(10)
06/10/15	15:00:00	(10)	(10)	(10)	(10)
06/10/15	16:00:00	(10)	(10)	(10)	(10)
06/10/15	17:00:00	(10)	(10)	(10)	(10)
06/10/15	18:00:00	(10)	(10)	(10)	(10)
06/10/15	19:00:00	(10)	(10)	(10)	(10)
06/10/15	20:00:00	(10)	(10)	(10)	(10)
06/10/15	21:00:00	(10)	(10)	(10)	(10)
06/10/15	22:00:00	(10)	(10)	(10)	(10)
06/10/15	23:00:00	(10)	(10)	(10)	(10)
06/11/15	00:00:00	(10)	(10)	(10)	(10)
06/11/15	01:00:00	(10)	(10)	(10)	(10)
06/11/15	02:00:00	(10)	(10)	(10)	(10)
06/11/15	03:00:00	(10)	(10)	(10)	(10)
06/11/15	04:00:00	(10)	(10)	(10)	(10)
06/11/15	05:00:00	(10)	(10)	(10)	(10)
06/11/15	06:00:00	(10)	(10)	(10)	(10)
06/11/15	07:00:00	(10)	(10)	(10)	(10)
06/11/15	08:00:00	(10)	(10)	(10)	(10)
06/11/15	09:00:00	(10)	(10)	(10)	(10)
06/11/15	10:00:00	(10)	(10)	(10)	(10)
06/11/15	11:00:00	(10)	(10)	(10)	(10)
06/11/15	12:00:00	(10)	(10)	(10)	(10)
06/11/15	13:00:00	(10)	(10)	(10)	(10)
06/11/15	14:00:00	(10)	(10)	(10)	(10)
06/11/15	15:00:00	(10)	(10)	(10)	(10)
06/11/15	16:00:00	(10)	(10)	(10)	(10)
06/11/15	17:00:00	(10)	(10)	(10)	(10)
06/11/15	18:00:00	(10)	(10)	(10)	(10)
06/11/15	19:00:00	1794.3	196.5	98.3	90.1
06/11/15	20:00:00	1794.3	196.5	94.4	87.6
06/11/15	21:00:00	1794.3	196.3	86.7	84.3

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
06/11/15	22:00:00	1794.3	196.0	80.7	81.6
06/11/15	23:00:00	1794.3	195.7	76.9	79.6
06/12/15	00:00:00	1794.3	195.6	74.6	78.0
06/12/15	01:00:00	1794.3	195.4	72.4	76.5
06/12/15	02:00:00	1794.3	195.2	69.6	74.9
06/12/15	03:00:00	1794.3	195.0	66.9	73.3
06/12/15	04:00:00	1794.3	194.8	64.5	71.9
06/12/15	05:00:00	1794.3	194.7	62.4	70.7
06/12/15	06:00:00	1794.3	194.6	60.5	69.6
06/12/15	07:00:00	1794.3	194.4	59.7	69.0
06/12/15	08:00:00	1794.3	195.1	63.8	69.9
06/12/15	09:00:00	1794.3	195.6	71.6	72.4
06/12/15	10:00:00	1794.3	196.1	79.3	75.6
06/12/15	11:00:00	1794.3	196.5	85.9	79.1
06/12/15	12:00:00	1794.3	196.9	91.5	82.7
06/12/15	13:00:00	1794.3	197.2	96.6	86.2
06/12/15	14:00:00	1794.3	197.6	101.3	89.4
06/12/15	15:00:00	1794.3	197.6	105.7	92.5
06/12/15	16:00:00	1794.3	197.6	107.7	95.1
06/12/15	17:00:00	1794.3	197.7	108.5	98.1
06/12/15	18:00:00	1794.3	197.8	108.8	98.7
06/12/15	19:00:00	1794.3	197.8	107.8	97.0
06/12/15	20:00:00	1794.3	197.8	104.5	93.7
06/12/15	21:00:00	1794.3	197.5	96.4	90.3
06/12/15	22:00:00	1794.3	197.2	89.1	86.9
06/12/15	23:00:00	1794.3	196.8	83.4	83.7
06/13/15	00:00:00	1794.3	196.6	78.4	81.0
06/13/15	01:00:00	1794.3	196.3	74.1	78.7
06/13/15	02:00:00	1794.3	196.1	70.5	76.7
06/13/15	03:00:00	1794.3	195.9	67.5	75.0
06/13/15	04:00:00	1794.3	195.7	65.0	73.5
06/13/15	05:00:00	1794.3	195.5	63.1	72.3
06/13/15	06:00:00	1794.3	195.4	61.2	71.0
06/13/15	07:00:00	1794.3	195.2	60.1	70.2
06/13/15	08:00:00	1794.3	195.8	63.6	70.7
06/13/15	09:00:00	1794.3	196.4	70.3	73.1
06/13/15	10:00:00	1794.3	196.8	76.8	76.0
06/13/15	11:00:00	1794.3	197.1	82.5	79.0
06/13/15	12:00:00	1794.3	197.4	88.1	82.2
06/13/15	13:00:00	1794.3	197.7	93.7	85.6
06/13/15	14:00:00	1794.3	198.1	98.8	88.9
06/13/15	15:00:00	1794.3	198.1	102.6	91.9
06/13/15	16:00:00	1794.3	198.0	104.1	94.3
06/13/15	17:00:00	1794.3	198.0	103.8	96.7
06/13/15	18:00:00	1794.3	198.1	102.1	96.5
06/13/15	19:00:00	1794.3	198.0	96.5	92.8
06/13/15	20:00:00	1794.3	197.9	89.1	87.2
06/13/15	21:00:00	1794.3	197.4	80.9	83.1
06/13/15	22:00:00	1794.3	197.0	74.9	79.9
06/13/15	23:00:00	1794.3	196.8	70.8	77.6
06/14/15	00:00:00	1794.3	196.5	67.6	75.6
06/14/15	01:00:00	1794.3	196.3	64.7	73.9
06/14/15	02:00:00	1794.3	196.1	62.1	72.3
06/14/15	03:00:00	1794.3	195.9	60.0	71.1
06/14/15	04:00:00	1794.3	195.8	58.2	69.9
06/14/15	05:00:00	1794.3	195.6	56.7	68.9
06/14/15	06:00:00	1794.3	195.5	55.2	67.9
06/14/15	07:00:00	1794.3	195.3	54.7	67.1
06/14/15	08:00:00	1794.3	195.9	58.9	67.7
06/14/15	09:00:00	1794.3	196.6	66.1	70.2
06/14/15	10:00:00	1794.3	197.0	72.6	73.2
06/14/15	11:00:00	1794.3	197.3	77.9	76.2
06/14/15	12:00:00	1794.3	197.6	82.4	79.2
06/14/15	13:00:00	1794.3	197.8	85.5	81.9
06/14/15	14:00:00	1794.3	198.1	88.7	84.5
06/14/15	15:00:00	1794.3	198.1	92.5	87.2
06/14/15	16:00:00	1794.3	198.1	95.1	90.0
06/14/15	17:00:00	1794.3	198.1	96.6	93.1
06/14/15	18:00:00	1794.3	198.1	96.3	93.7
06/14/15	19:00:00	1794.3	198.1	93.5	91.0
06/14/15	20:00:00	1794.3	198.1	88.5	85.9
06/14/15	21:00:00	1794.3	197.7	80.5	82.1
06/14/15	22:00:00	1794.3	197.3	74.4	79.0
06/14/15	23:00:00	1794.3	196.9	69.4	76.4
06/15/15	00:00:00	1794.3	196.7	65.5	74.1
06/15/15	01:00:00	1794.3	196.4	62.1	72.2
06/15/15	02:00:00	1794.3	196.2	59.1	70.4
06/15/15	03:00:00	1794.3	196.0	56.4	68.9
06/15/15	04:00:00	1794.3	195.8	54.2	67.5
06/15/15	05:00:00	1794.3	195.6	52.3	66.3
06/15/15	06:00:00	1794.3	195.5	51.0	65.4
06/15/15	07:00:00	1794.5	195.4	50.5	64.8
06/15/15	08:00:00	1795.2	196.0	55.1	65.7
06/15/15	09:00:00	1795.3	196.7	63.2	68.5
06/15/15	10:00:00	1795.3	197.2	70.5	71.8
06/15/15	11:00:00	1795.3	197.6	76.5	75.0
06/15/15	12:00:00	1795.3	197.9	81.2	78.1
06/15/15	13:00:00	1795.3	198.2	85.0	81.1
06/15/15	14:00:00	1795.3	198.4	88.9	84.2

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
06/15/15	15:00:00	1795.3	198.5	92.9	87.0
06/15/15	16:00:00	1795.3	198.4	95.6	89.9
06/15/15	17:00:00	1795.3	198.5	96.2	92.7
06/15/15	18:00:00	1795.3	198.4	95.4	93.0
06/15/15	19:00:00	1795.3	198.4	93.1	90.7
06/15/15	20:00:00	1795.3	198.5	89.1	86.1
06/15/15	21:00:00	1795.3	198.1	82.5	82.7
06/15/15	22:00:00	1795.3	197.7	76.6	79.6
06/15/15	23:00:00	1795.3	197.4	71.5	76.9
06/16/15	00:00:00	1795.3	197.1	67.1	74.5
06/16/15	01:00:00	1795.3	196.8	63.4	72.5
06/16/15	02:00:00	1795.3	196.6	60.3	70.8
06/16/15	03:00:00	1795.3	196.4	57.8	69.3
06/16/15	04:00:00	1795.3	196.2	55.7	68.0
06/16/15	05:00:00	1795.3	196.1	54.1	67.0
06/16/15	06:00:00	1795.3	196.0	52.8	66.2
06/16/15	07:00:00	1795.4	195.9	52.5	65.7
06/16/15	08:00:00	1796.1	196.5	57.3	66.5
06/16/15	09:00:00	1796.2	197.1	64.8	69.1
06/16/15	10:00:00	1796.3	197.6	71.9	72.4
06/16/15	11:00:00	1796.3	197.9	77.9	75.5
06/16/15	12:00:00	1796.3	198.2	83.1	78.8
06/16/15	13:00:00	1796.3	198.5	88.0	82.3
06/16/15	14:00:00	1796.3	198.9	93.4	85.7
06/16/15	15:00:00	1796.2	199.0	99.0	89.1
06/16/15	16:00:00	1795.8	199.1	103.4	92.8
06/16/15	17:00:00	1795.9	199.2	105.7	96.7
06/16/15	18:00:00	1795.7	199.3	106.2	97.9
06/16/15	19:00:00	1795.4	199.4	104.1	95.6
06/16/15	20:00:00	1795.5	199.4	99.2	90.8
06/16/15	21:00:00	1795.8	198.9	90.4	86.8
06/16/15	22:00:00	1795.7	198.5	82.9	83.3
06/16/15	23:00:00	1795.7	198.1	77.2	80.3
06/17/15	00:00:00	1795.7	197.9	72.4	77.7
06/17/15	01:00:00	1795.9	197.6	68.3	75.4
06/17/15	02:00:00	1796.2	197.4	64.8	73.5
06/17/15	03:00:00	1796.1	197.2	62.3	72.0
06/17/15	04:00:00	1795.9	197.0	60.1	70.6
06/17/15	05:00:00	1795.9	196.8	57.9	69.4
06/17/15	06:00:00	1795.9	196.7	56.1	68.3
06/17/15	07:00:00	1796.1	196.5	55.3	67.6
06/17/15	08:00:00	1796.3	197.1	59.2	68.5
06/17/15	09:00:00	1796.3	197.6	66.3	71.0
06/17/15	10:00:00	1796.3	198.0	73.7	74.0
06/17/15	11:00:00	1796.3	198.5	80.7	77.4
06/17/15	12:00:00	1796.3	198.9	86.5	80.9
06/17/15	13:00:00	1796.3	199.2	91.6	84.4
06/17/15	14:00:00	1796.3	199.5	96.2	87.7
06/17/15	15:00:00	1796.3	199.6	101.2	90.8
06/17/15	16:00:00	1796.3	199.6	105.8	94.3
06/17/15	17:00:00	1796.2	199.7	109.1	98.4
06/17/15	18:00:00	1795.8	199.8	109.2	99.7
06/17/15	19:00:00	1795.9	199.9	107.3	97.6
06/17/15	20:00:00	1795.7	200.0	102.3	92.8
06/17/15	21:00:00	1795.8	199.5	94.1	88.9
06/17/15	22:00:00	1795.6	199.0	86.1	85.2
06/17/15	23:00:00	1795.7	198.7	79.2	81.9
06/18/15	00:00:00	1795.6	198.3	73.5	78.8
06/18/15	01:00:00	1795.5	198.0	68.7	76.2
06/18/15	02:00:00	1795.6	197.8	64.8	74.1
06/18/15	03:00:00	1795.6	197.6	61.6	72.3
06/18/15	04:00:00	1795.5	197.3	58.7	70.6
06/18/15	05:00:00	1795.8	197.2	56.3	69.2
06/18/15	06:00:00	1795.5	197.0	54.3	67.9
06/18/15	07:00:00	1795.9	196.9	53.4	67.2
06/18/15	08:00:00	1796.3	197.5	58.2	68.3
06/18/15	09:00:00	1796.3	198.2	67.0	71.5
06/18/15	10:00:00	1796.3	198.7	75.6	75.2
06/18/15	11:00:00	1796.3	199.2	82.6	78.7
06/18/15	12:00:00	1796.3	199.5	87.4	82.1
06/18/15	13:00:00	1796.3	199.7	90.5	85.3
06/18/15	14:00:00	1796.3	200.0	93.4	88.0
06/18/15	15:00:00	1796.1	199.9	96.3	90.4
06/18/15	16:00:00	1795.8	199.9	98.8	93.1
06/18/15	17:00:00	1795.4	199.9	99.9	96.0
06/18/15	18:00:00	1795.4	199.9	99.4	96.4
06/18/15	19:00:00	1795.3	199.9	96.9	93.7
06/18/15	20:00:00	1795.4	200.0	92.9	89.0
06/18/15	21:00:00	1795.5	199.5	86.3	85.7
06/18/15	22:00:00	1795.4	199.2	80.0	82.3
06/18/15	23:00:00	1795.4	198.8	74.7	79.4
06/19/15	00:00:00	1795.4	198.5	70.0	76.8
06/19/15	01:00:00	1795.5	198.3	66.0	74.5
06/19/15	02:00:00	1795.4	198.0	62.7	72.7
06/19/15	03:00:00	1795.4	197.8	59.8	71.0
06/19/15	04:00:00	1795.5	197.7	57.5	69.7
06/19/15	05:00:00	1795.3	197.5	55.5	68.4
06/19/15	06:00:00	1795.5	197.3	53.9	67.4
06/19/15	07:00:00	1795.7	197.2	53.3	66.7

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
06/19/15	08:00:00	1796.3	197.9	58.4	67.8
06/19/15	09:00:00	1796.3	198.5	66.9	70.9
06/19/15	10:00:00	1796.3	199.1	74.7	74.6
06/19/15	11:00:00	1796.3	199.4	80.8	77.9
06/19/15	12:00:00	1796.3	199.6	86.2	81.0
06/19/15	13:00:00	1796.3	200.0	90.8	84.2
06/19/15	14:00:00	1796.3	200.2	95.4	87.3
06/19/15	15:00:00	1796.2	200.3	100.3	90.5
06/19/15	16:00:00	1795.7	200.3	104.7	94.0
06/19/15	17:00:00	1795.3	200.5	107.4	97.9
06/19/15	18:00:00	1795.5	200.5	107.6	99.0
06/19/15	19:00:00	1795.3	200.5	104.8	96.5
06/19/15	20:00:00	1795.3	200.6	98.0	91.3
06/19/15	21:00:00	1795.4	200.0	88.5	87.0
06/19/15	22:00:00	1795.3	199.6	81.4	83.6
06/19/15	23:00:00	1795.3	199.3	76.3	80.7
06/20/15	00:00:00	1795.3	199.0	71.9	78.1
06/20/15	01:00:00	1795.3	198.7	68.0	75.9
06/20/15	02:00:00	1795.3	198.4	64.9	74.1
06/20/15	03:00:00	1795.3	198.3	62.4	72.7
06/20/15	04:00:00	1795.3	198.0	60.2	71.4
06/20/15	05:00:00	1795.3	197.9	58.4	70.2
06/20/15	06:00:00	1795.3	197.7	56.9	69.3
06/20/15	07:00:00	1795.4	197.6	56.1	68.5
06/20/15	08:00:00	1795.7	197.9	58.8	69.1
06/20/15	09:00:00	1796.0	198.6	66.8	72.0
06/20/15	10:00:00	1795.9	199.2	75.4	75.8
06/20/15	11:00:00	1796.2	199.6	82.9	79.4
06/20/15	12:00:00	1796.1	199.9	89.1	82.9
06/20/15	13:00:00	1796.2	200.2	94.1	86.3
06/20/15	14:00:00	1795.7	200.6	99.0	89.5
06/20/15	15:00:00	1795.7	200.7	104.3	92.6
06/20/15	16:00:00	1795.5	200.7	108.7	95.9
06/20/15	17:00:00	1795.4	200.9	111.3	99.1
06/20/15	18:00:00	1795.3	200.8	111.3	99.8
06/20/15	19:00:00	1795.3	200.7	110.3	98.3
06/20/15	20:00:00	1795.3	200.9	105.0	93.8
06/20/15	21:00:00	1795.3	200.4	94.6	89.3
06/20/15	22:00:00	1795.3	199.9	86.1	85.5
06/20/15	23:00:00	1795.3	199.5	79.5	82.4
06/21/15	00:00:00	1795.3	199.2	74.3	79.5
06/21/15	01:00:00	1795.3	198.9	69.7	77.0
06/21/15	02:00:00	1795.3	198.7	66.0	74.9
06/21/15	03:00:00	1795.3	198.5	62.9	73.2
06/21/15	04:00:00	1795.3	198.2	60.2	71.6
06/21/15	05:00:00	1795.3	198.0	58.1	70.3
06/21/15	06:00:00	1795.3	197.8	56.5	69.0
06/21/15	07:00:00	1795.3	197.7	56.3	68.3
06/21/15	08:00:00	1795.3	198.3	60.6	68.9
06/21/15	09:00:00	1795.4	199.0	67.6	71.6
06/21/15	10:00:00	1795.5	199.3	73.5	74.6
06/21/15	11:00:00	1795.5	199.6	78.6	77.8
06/21/15	12:00:00	1795.4	199.9	82.8	80.7
06/21/15	13:00:00	1795.4	200.2	86.1	83.6
06/21/15	14:00:00	1795.3	200.4	88.8	85.9
06/21/15	15:00:00	1795.3	200.3	91.1	87.9
06/21/15	16:00:00	1795.3	200.1	92.8	90.1
06/21/15	17:00:00	1795.3	200.2	93.5	92.8
06/21/15	18:00:00	1795.3	200.1	93.4	92.9
06/21/15	19:00:00	1795.3	200.0	91.5	90.5
06/21/15	20:00:00	1795.3	200.2	88.2	86.0
06/21/15	21:00:00	1795.3	199.7	80.2	82.1
06/21/15	22:00:00	1795.3	199.3	73.4	78.7
06/21/15	23:00:00	1795.3	198.9	68.7	76.1
06/22/15	00:00:00	1795.3	198.7	65.8	74.4
06/22/15	01:00:00	1795.3	198.4	62.8	72.5
06/22/15	02:00:00	1795.3	198.1	59.7	70.8
06/22/15	03:00:00	1795.3	197.9	57.0	69.3
06/22/15	04:00:00	1795.3	197.6	54.8	68.0
06/22/15	05:00:00	1795.3	197.5	53.0	66.9
06/22/15	06:00:00	1795.3	197.3	51.4	65.9
06/22/15	07:00:00	1795.3	197.2	50.7	65.4
06/22/15	08:00:00	1795.3	197.8	55.2	66.4
06/22/15	09:00:00	1795.3	198.4	63.9	69.6
06/22/15	10:00:00	1795.3	199.0	72.0	73.1
06/22/15	11:00:00	1795.3	199.4	78.2	76.4
06/22/15	12:00:00	1795.3	199.7	82.5	79.4
06/22/15	13:00:00	1795.3	199.9	86.9	82.5
06/22/15	14:00:00	1795.3	200.2	91.6	85.5
06/22/15	15:00:00	1795.3	200.3	96.3	88.5
06/22/15	16:00:00	1795.3	200.3	99.8	91.7
06/22/15	17:00:00	1795.3	200.4	101.3	95.1
06/22/15	18:00:00	1795.3	200.3	100.9	95.7
06/22/15	19:00:00	1795.3	200.3	98.1	93.1
06/22/15	20:00:00	1795.3	200.4	92.7	88.2
06/22/15	21:00:00	1795.3	199.9	85.1	84.6
06/22/15	22:00:00	1795.3	199.5	78.3	81.6
06/22/15	23:00:00	1795.3	199.2	73.6	78.9
06/23/15	00:00:00	1795.3	199.0	69.6	76.6

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
06/23/15	01:00:00	1795.3	198.7	66.2	74.6
06/23/15	02:00:00	1795.3	198.4	63.3	72.9
06/23/15	03:00:00	1795.3	198.2	60.8	71.5
06/23/15	04:00:00	1795.3	198.0	58.7	70.2
06/23/15	05:00:00	1795.3	197.8	56.9	69.1
06/23/15	06:00:00	1795.3	197.7	55.4	68.1
06/23/15	07:00:00	1795.3	197.6	54.6	67.5
06/23/15	08:00:00	1795.3	198.1	58.7	68.3
06/23/15	09:00:00	1795.3	198.8	66.8	71.2
06/23/15	10:00:00	1795.3	199.2	74.5	74.6
06/23/15	11:00:00	1795.3	199.6	80.9	77.9
06/23/15	12:00:00	1795.3	199.9	85.9	81.1
06/23/15	13:00:00	1795.3	200.2	90.6	84.4
06/23/15	14:00:00	1795.3	200.5	95.2	87.6
06/23/15	15:00:00	1795.3	200.6	99.5	90.6
06/23/15	16:00:00	1795.3	200.5	102.5	93.9
06/23/15	17:00:00	1795.3	200.7	104.3	97.4
06/23/15	18:00:00	1795.3	200.7	104.8	97.7
06/23/15	19:00:00	1795.2	200.6	102.2	95.6
06/23/15	20:00:00	1795.2	200.7	97.2	91.0
06/23/15	21:00:00	1795.3	200.3	89.5	87.1
06/23/15	22:00:00	1795.2	199.9	82.5	84.2
06/23/15	23:00:00	1795.2	199.5	77.2	81.2
06/24/15	00:00:00	1795.2	199.3	72.4	78.9
06/24/15	01:00:00	1795.3	199.1	68.8	76.7
06/24/15	02:00:00	1795.2	198.8	65.8	74.8
06/24/15	03:00:00	1795.3	198.6	63.3	73.3
06/24/15	04:00:00	1795.2	198.4	61.5	72.1
06/24/15	05:00:00	1795.2	198.2	59.7	70.9
06/24/15	06:00:00	1795.1	198.1	58.0	69.8
06/24/15	07:00:00	1795.1	197.9	57.0	69.1
06/24/15	08:00:00	1795.3	198.4	60.8	69.9
06/24/15	09:00:00	1795.3	199.1	68.6	72.7
06/24/15	10:00:00	1795.3	199.6	76.3	76.2
06/24/15	11:00:00	1795.3	199.9	82.4	79.5
06/24/15	12:00:00	1795.3	200.2	87.2	82.6
06/24/15	13:00:00	1795.3	200.4	91.5	85.7
06/24/15	14:00:00	1795.3	200.7	95.8	88.8
06/24/15	15:00:00	1795.3	200.8	100.1	91.7
06/24/15	16:00:00	1795.3	200.8	104.4	95.0
06/24/15	17:00:00	1795.1	200.9	107.7	99.0
06/24/15	18:00:00	1795.0	200.9	108.5	99.2
06/24/15	19:00:00	1794.9	200.9	106.7	97.4
06/24/15	20:00:00	1794.7	201.0	102.8	93.4
06/24/15	21:00:00	1794.8	200.6	96.1	90.0
06/24/15	22:00:00	1794.6	200.2	89.3	86.7
06/24/15	23:00:00	1794.6	199.9	83.5	84.0
06/25/15	00:00:00	1794.5	199.6	78.6	81.3
06/25/15	01:00:00	1794.6	199.3	74.3	79.2
06/25/15	02:00:00	1794.6	199.1	71.0	77.4
06/25/15	03:00:00	1794.5	198.9	68.1	75.8
06/25/15	04:00:00	1794.7	198.7	65.6	74.4
06/25/15	05:00:00	1794.3	198.5	63.6	73.2
06/25/15	06:00:00	1794.6	198.4	62.0	72.3
06/25/15	07:00:00	1794.6	198.3	61.3	71.7
06/25/15	08:00:00	1795.3	198.8	64.9	72.4
06/25/15	09:00:00	1795.3	199.3	72.6	75.3
06/25/15	10:00:00	1795.3	199.8	80.8	78.9
06/25/15	11:00:00	1795.3	200.2	88.0	82.4
06/25/15	12:00:00	1795.3	200.5	93.6	85.8
06/25/15	13:00:00	1795.3	200.8	98.0	89.1
06/25/15	14:00:00	1795.3	201.2	102.4	92.3
06/25/15	15:00:00	1795.1	201.2	107.5	95.3
06/25/15	16:00:00	1795.1	201.2	112.3	98.6
06/25/15	17:00:00	1794.5	201.3	114.3	102.0
06/25/15	18:00:00	1794.4	201.3	113.3	102.1
06/25/15	19:00:00	1794.3	201.3	110.8	99.8
06/25/15	20:00:00	1794.3	201.3	105.8	95.6
06/25/15	21:00:00	1794.3	200.8	97.6	91.6
06/25/15	22:00:00	1794.3	200.4	89.3	88.0
06/25/15	23:00:00	1794.3	200.1	83.7	85.3
06/26/15	00:00:00	1794.3	199.9	80.3	83.5
06/26/15	01:00:00	1794.3	199.7	77.0	81.4
06/26/15	02:00:00	1794.3	199.4	73.2	79.3
06/26/15	03:00:00	1794.3	199.2	69.8	77.4
06/26/15	04:00:00	1794.3	199.0	66.9	75.7
06/26/15	05:00:00	1794.3	198.8	64.5	74.3
06/26/15	06:00:00	1794.3	198.6	62.4	73.0
06/26/15	07:00:00	1794.4	198.4	61.1	72.2
06/26/15	08:00:00	1794.8	198.9	64.7	73.0
06/26/15	09:00:00	1795.2	199.5	72.9	76.0
06/26/15	10:00:00	1795.1	200.1	81.0	79.7
06/26/15	11:00:00	1795.1	200.4	87.5	83.3
06/26/15	12:00:00	1795.2	200.6	92.5	86.6
06/26/15	13:00:00	1795.0	200.9	97.2	89.7
06/26/15	14:00:00	1794.8	201.2	101.8	92.6
06/26/15	15:00:00	1794.6	201.3	106.5	95.5
06/26/15	16:00:00	1794.3	201.3	110.1	98.6
06/26/15	17:00:00	1794.3	201.4	111.6	101.7

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
06/26/15	18:00:00	1794.3	201.3	110.2	101.1
06/26/15	19:00:00	1794.3	201.3	104.7	97.9
06/26/15	20:00:00	1794.3	201.0	96.7	92.5
06/26/15	21:00:00	1794.3	200.6	87.4	87.8
06/26/15	22:00:00	1794.3	200.1	79.5	83.9
06/26/15	23:00:00	1794.3	199.7	74.3	80.9
06/27/15	00:00:00	1794.3	199.5	70.8	78.7
06/27/15	01:00:00	1794.3	199.2	68.3	76.9
06/27/15	02:00:00	1794.3	199.0	66.5	75.7
06/27/15	03:00:00	1794.3	198.9	65.1	74.5
06/27/15	04:00:00	1794.3	198.7	63.7	73.3
06/27/15	05:00:00	1794.3	198.5	62.5	72.4
06/27/15	06:00:00	1794.3	198.4	61.3	71.2
06/27/15	07:00:00	1794.3	198.3	60.8	70.6
06/27/15	08:00:00	1794.3	198.3	61.6	70.6
06/27/15	09:00:00	1794.3	198.7	66.0	72.2
06/27/15	10:00:00	1794.4	198.9	69.9	74.0
06/27/15	11:00:00	1794.4	199.6	75.6	76.8
06/27/15	12:00:00	1794.4	199.9	80.8	79.8
06/27/15	13:00:00	1794.4	200.2	85.6	83.2
06/27/15	14:00:00	1794.3	200.5	90.1	86.3
06/27/15	15:00:00	1794.3	200.5	92.7	88.4
06/27/15	16:00:00	1794.3	200.5	94.6	90.3
06/27/15	17:00:00	1794.3	200.4	94.9	91.7
06/27/15	18:00:00	1794.3	200.3	94.3	91.7
06/27/15	19:00:00	1794.3	200.3	93.7	90.3
06/27/15	20:00:00	1794.3	200.4	90.0	87.3
06/27/15	21:00:00	1794.3	199.9	82.9	84.1
06/27/15	22:00:00	1794.3	199.6	76.8	81.0
06/27/15	23:00:00	1794.3	199.3	72.1	78.4
06/28/15	00:00:00	1794.3	199.1	69.1	76.5
06/28/15	01:00:00	1794.3	198.9	67.1	75.0
06/28/15	02:00:00	1794.3	198.7	65.8	74.1
06/28/15	03:00:00	1794.3	198.6	65.1	73.6
06/28/15	04:00:00	1794.3	198.5	64.5	72.9
06/28/15	05:00:00	1794.3	198.4	64.0	72.3
06/28/15	06:00:00	1794.3	198.3	63.8	71.9
06/28/15	07:00:00	1794.3	198.3	63.7	71.6
06/28/15	08:00:00	1794.3	198.2	63.9	71.4
06/28/15	09:00:00	1794.3	198.9	67.6	72.9
06/28/15	10:00:00	1794.3	199.4	74.6	75.9
06/28/15	11:00:00	1794.3	199.8	80.1	79.0
06/28/15	12:00:00	1794.3	200.0	84.3	81.8
06/28/15	13:00:00	1794.3	200.3	87.8	84.6
06/28/15	14:00:00	1794.3	200.6	91.5	87.4
06/28/15	15:00:00	1794.3	200.6	94.3	89.7
06/28/15	16:00:00	1794.3	200.4	96.0	91.6
06/28/15	17:00:00	1794.3	200.4	96.7	94.1
06/28/15	18:00:00	1794.3	200.4	96.4	94.0
06/28/15	19:00:00	1794.3	200.5	94.1	91.9
06/28/15	20:00:00	1794.3	200.4	90.7	88.1
06/28/15	21:00:00	1794.3	200.0	82.9	84.2
06/28/15	22:00:00	1794.3	199.5	75.7	80.7
06/28/15	23:00:00	1794.3	199.2	70.8	77.9
06/29/15	00:00:00	1794.3	198.9	67.5	75.9
06/29/15	01:00:00	1794.3	198.7	65.3	74.2
06/29/15	02:00:00	1794.3	198.5	63.6	72.8
06/29/15	03:00:00	1794.3	198.3	62.3	71.7
06/29/15	04:00:00	1794.3	198.2	61.1	70.9
06/29/15	05:00:00	1794.3	198.0	59.9	69.9
06/29/15	06:00:00	1794.3	197.9	58.9	68.9
06/29/15	07:00:00	1794.3	197.8	58.5	68.3
06/29/15	08:00:00	1794.3	198.2	61.2	69.0
06/29/15	09:00:00	1794.3	198.8	67.5	71.4
06/29/15	10:00:00	1794.3	199.2	73.5	74.6
06/29/15	11:00:00	1794.3	199.5	79.2	77.8
06/29/15	12:00:00	1794.3	199.8	84.4	81.1
06/29/15	13:00:00	1794.3	200.2	89.0	84.5
06/29/15	14:00:00	1794.3	200.5	93.7	87.7
06/29/15	15:00:00	1794.3	200.6	97.9	90.7
06/29/15	16:00:00	1794.3	200.5	101.7	93.9
06/29/15	17:00:00	1794.3	200.5	104.4	97.4
06/29/15	18:00:00	1794.3	200.7	105.3	97.2
06/29/15	19:00:00	1794.2	200.8	104.9	96.0
06/29/15	20:00:00	1794.1	200.8	101.8	92.5
06/29/15	21:00:00	1794.2	200.3	95.3	89.3
06/29/15	22:00:00	1794.1	200.0	87.9	86.1
06/29/15	23:00:00	1794.2	199.7	81.9	83.5
06/30/15	00:00:00	1794.1	199.5	77.8	81.5
06/30/15	01:00:00	1794.0	199.2	74.4	79.5
06/30/15	02:00:00	1794.1	199.0	71.3	77.9
06/30/15	03:00:00	1794.1	198.8	68.7	76.3
06/30/15	04:00:00	1794.2	198.7	66.7	75.2
06/30/15	05:00:00	1794.0	198.5	65.5	74.4
06/30/15	06:00:00	1794.1	198.4	64.5	73.6
06/30/15	07:00:00	1794.1	198.3	63.7	73.1
06/30/15	08:00:00	1794.3	198.8	67.0	73.6
06/30/15	09:00:00	1794.3	199.3	74.1	76.0
06/30/15	10:00:00	1794.3	199.8	81.7	79.5

Attachment 5a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

	Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B
	Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature
Date	Time	PSIG	PSIG	°F	°F
06/30/15	11:00:00	1794.3	200.1	89.0	83.0
06/30/15	12:00:00	1794.3	200.4	94.6	86.3
06/30/15	13:00:00	1794.3	200.7	100.1	89.7
06/30/15	14:00:00	1794.3	201.1	105.1	93.0
06/30/15	15:00:00	1794.3	201.2	109.7	95.8
06/30/15	16:00:00	1794.3	201.0	114.4	98.9
06/30/15	17:00:00	1794.3	201.1	118.9	102.3
06/30/15	18:00:00	1794.1	201.3	121.8	103.0
06/30/15	19:00:00	1793.7	201.5	120.6	101.6
06/30/15	20:00:00	1793.6	201.4	117.0	98.4
06/30/15	21:00:00	1793.6	201.0	109.1	95.0
06/30/15	22:00:00	1793.6	200.6	99.9	91.6
06/30/15	23:00:00	1793.6	200.3	92.2	88.5
07/01/15	00:00:00	1793.5	200.0	86.4	86.2
Monthly Statistics					
	February Average:	1712.8	74.9	57.9	57.7
	February Minimum:	1687.7	70.5	32.8	43.1
	February Maximum:	1744.1	82.4	90.8	76.4
	March Average:	1786.7	69.8	65.9	64.4
	March Minimum:	1736.9	68.1	37.0	46.7
	March Maximum:	1827.5	72.9	106.3	90.2
	April Average:	1842.0	74.3	66.2	65.5
	April Minimum:	1806.5	67.9	38.0	48.1
	April Maximum:	1871.0	91.3	110.1	92.9
	May Average:	1828.5	146.6	68.8	69.7
	May Minimum:	1782.2	89.5	42.9	55.7
	May Maximum	1861.4	185.1	108.3	94.5
	June Average:	1792.8	196.0	79.5	79.6
	June Minimum:	1759.5	182.6	49.1	61.9
	June Maximum:	1796.3	201.8	124.3	103.6
Quarterly Statistics					
	2015 Q1 Average:	1763.2	71.4	63.4	62.2
	2015 Q1 Minimum:	1687.7	68.1	32.8	43.1
	2015 Q1 Maximum:	1828.4	82.4	106.3	90.2
	2015 Q2 Average:	1821.9	137.8	71.3	71.4
	2015 Q2 Minimum:	1759.5	67.9	38.0	48.1
	2015 Q2 Maximum:	1871.0	201.8	124.3	103.6

Notes:

1) Data are missing on 3/8/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
2) Data are missing on 3/30/15 at 14:00:00 hours because the BHP tools were installed in the well for the mid-bubblebuild pressure survey and the pressure transmitter was taken out of service.
3) Data are missing on 4/3/15 at 08:00:00 hours because the BHP tools were retrieved and the pressure transmitter was taken out of service.
4) Data are missing on 4/4/15 from 09:00:00 hours to 16:00:00 hours because the Halliburton TMDL log was run in the well and the pressure transmitter was taken out of service.
5) Data are missing on 4/29/15 from 08:00:00 hours to 14:00:00 hours because the Piacentine 1-27 wellhead was out of service due to conducting temperature logging in the well.
6) Data are missing on 5/4/15 from 09:00:00 hours to 11:00:00 hours due to the transmitter being disconnected from the pressure source (reading atmospheric pressure)
7) Data are missing on 5/9/15 at 10:00:00 hours due to the transmitter being disconnected from the pressure source (reading atmospheric pressure).
8) Data are missing on 5/16/15 from 08:00:00 hours to 12:00:00 hours due to an accidental shutdown of the data acquisition program.
9) Data are missing on 5/30/15 from 08:00:00 hours to 11:00:00 hours due to the transmitter being disconnected from the pressure source (reading atmospheric pressure)
10) Data are missing from 6/9/15 at 15:00:00 hours to 6/11/15 at 18:00:00 hours due to the transition to a new Data Acquisition System

ATTACHMENT 6

Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/08/15	01:00:00	0.0	1694.0	193.0	1887.0	Producing
02/08/15	02:00:00	0.0	1697.2	193.0	1890.2	Producing
02/08/15	03:00:00	0.0	1698.4	193.0	1891.4	Producing
02/08/15	04:00:00	0.0	1695.5	193.0	1888.5	Producing
02/08/15	05:00:00	0.0	1694.9	193.0	1887.9	Producing
02/08/15	06:00:00	0.0	1697.9	193.0	1890.9	Producing
02/08/15	07:00:00	0.0	1698.2	193.0	1891.2	Producing
02/08/15	08:00:00	0.0	1698.1	193.0	1891.1	Producing
02/08/15	09:00:00	0.0	1697.1	193.0	1890.1	Producing
02/08/15	10:00:00	0.0	1694.9	193.0	1887.9	Producing
02/08/15	11:00:00	0.0	1697.3	193.0	1890.3	Producing
02/08/15	12:00:00	0.0	1698.8	193.0	1891.8	Producing
02/08/15	13:00:00	0.0	1695.1	193.0	1888.1	Producing
02/08/15	14:00:00	0.0	1695.5	193.0	1888.5	Producing
02/08/15	15:00:00	0.0	1696.9	193.0	1889.9	Producing
02/08/15	16:00:00	0.0	1695.4	193.0	1888.4	Producing
02/08/15	17:00:00	0.0	1697.2	193.0	1890.2	Producing
02/08/15	18:00:00	0.0	1697.9	193.0	1890.9	Producing
02/08/15	19:00:00	0.0	1693.9	193.0	1886.9	Producing
02/08/15	20:00:00	0.0	1694.6	193.0	1887.6	Producing
02/08/15	21:00:00	0.0	1695.8	193.0	1888.8	Producing
02/08/15	22:00:00	0.0	1693.5	193.0	1886.5	Producing
02/08/15	23:00:00	0.0	1694.6	193.0	1887.6	Producing
02/09/15	00:00:00	0.0	1695.1	193.0	1888.1	Producing
02/09/15	01:00:00	0.0	1698.2	193.0	1891.2	Producing
02/09/15	02:00:00	0.0	1694.5	193.0	1887.5	Producing
02/09/15	03:00:00	0.0	1693.5	193.0	1886.5	Producing
02/09/15	04:00:00	0.0	1695.1	193.0	1888.1	Producing
02/09/15	05:00:00	0.0	1697.3	193.0	1890.3	Producing
02/09/15	06:00:00	0.0	1696.8	193.0	1889.8	Producing
02/09/15	07:00:00	0.0	1694.4	193.0	1887.4	Producing
02/09/15	08:00:00	0.0	1694.4	193.0	1887.4	Producing
02/09/15	09:00:00	0.0	1695.2	193.0	1888.2	Producing
02/09/15	10:00:00	0.0	1699.9	193.0	1892.9	Producing
02/09/15	11:00:00	0.0	1699.6	193.0	1892.6	Producing
02/09/15	12:00:00	0.0	1699.6	193.0	1892.6	Producing
02/09/15	13:00:00	0.0	1699.4	193.0	1892.4	Producing
02/09/15	14:00:00	0.0	1699.1	193.0	1892.1	Producing
02/09/15	15:00:00	0.0	1697.5	193.0	1890.5	Producing
02/09/15	16:00:00	0.0	1696.7	193.0	1889.7	Producing
02/09/15	17:00:00	0.0	1697.6	193.0	1890.6	Producing
02/09/15	18:00:00	0.0	1692.4	193.0	1885.4	Producing
02/09/15	19:00:00	0.0	1693.6	193.0	1886.6	Producing
02/09/15	20:00:00	0.0	1693.9	193.0	1886.9	Producing
02/09/15	21:00:00	0.0	1694.1	193.0	1887.1	Producing
02/09/15	22:00:00	0.0	1694.2	193.0	1887.2	Producing
02/09/15	23:00:00	0.0	1694.8	193.0	1887.8	Producing
02/10/15	00:00:00	0.0	1692.9	193.0	1885.9	Producing
02/10/15	01:00:00	0.0	1684.7	193.0	1877.7	Producing
02/10/15	02:00:00	0.0	1686.3	193.0	1879.3	Producing
02/10/15	03:00:00	0.0	1682.7	193.0	1875.7	Producing
02/10/15	04:00:00	0.0	1679.6	193.0	1872.6	Producing
02/10/15	05:00:00	0.0	1674.9	193.0	1867.9	Producing
02/10/15	06:00:00	0.0	1666.5	193.0	1859.5	Producing
02/10/15	07:00:00	0.0	1659.4	193.0	1852.4	Producing
02/10/15	08:00:00	0.0	1655.5	193.0	1848.5	Producing
02/10/15	09:00:00	0.0	1669.1	193.0	1862.1	Producing
02/10/15	10:00:00	0.0	1712.8	193.0	1905.8	Producing
02/10/15	11:00:00	0.0	1702.4	193.0	1895.4	Producing
02/10/15	12:00:00	0.0	1698.6	193.0	1891.6	Producing
02/10/15	13:00:00	0.0	1695.6	193.0	1888.6	Producing
02/10/15	14:00:00	0.0	1699.7	193.0	1892.7	Producing
02/10/15	15:00:00	0.0	1697.1	193.0	1890.1	Producing
02/10/15	16:00:00	0.0	1695.5	193.0	1888.5	Producing

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/10/15	17:00:00	0.0	1694.9	193.0	1887.9	Producing
02/10/15	18:00:00	0.0	1694.9	193.0	1887.9	Producing
02/10/15	19:00:00	0.0	1693.6	193.0	1886.6	Producing
02/10/15	20:00:00	0.0	1694.1	193.0	1887.1	Producing
02/10/15	21:00:00	0.0	1694.2	193.0	1887.2	Producing
02/10/15	22:00:00	0.0	1692.0	193.0	1885.0	Producing
02/10/15	23:00:00	0.0	1678.2	193.0	1871.2	Producing
02/11/15	00:00:00	0.0	1666.3	193.0	1859.3	Producing
02/11/15	01:00:00	0.0	1662.6	193.0	1855.6	Producing
02/11/15	02:00:00	0.0	1651.1	193.0	1844.1	Producing
02/11/15	03:00:00	0.0	1646.1	193.0	1839.1	Producing
02/11/15	04:00:00	0.0	1641.4	193.0	1834.4	Producing
02/11/15	05:00:00	0.0	1637.5	193.0	1830.5	Producing
02/11/15	06:00:00	0.0	1631.7	193.0	1824.7	Producing
02/11/15	07:00:00	0.0	1626.3	193.0	1819.3	Producing
02/11/15	08:00:00	0.0	1620.6	193.0	1813.6	Producing
02/11/15	09:00:00	0.0	1633.7	193.0	1826.7	Producing
02/11/15	10:00:00	0.0	1688.7	193.0	1881.7	Producing
02/11/15	11:00:00	0.0	1704.4	193.0	1897.4	Producing
02/11/15	12:00:00	0.0	1699.8	193.0	1892.8	Producing
02/11/15	13:00:00	0.0	1700.1	193.0	1893.1	Producing
02/11/15	14:00:00	0.0	1696.0	193.0	1889.0	Producing
02/11/15	15:00:00	0.0	1700.8	193.0	1893.8	Producing
02/11/15	16:00:00	0.0	1696.9	193.0	1889.9	Producing
02/11/15	17:00:00	0.0	1692.9	193.0	1885.9	Producing
02/11/15	18:00:00	0.0	1691.7	193.0	1884.7	Producing
02/11/15	19:00:00	0.0	1692.6	193.0	1885.6	Producing
02/11/15	20:00:00	0.0	1693.7	193.0	1886.7	Producing
02/11/15	21:00:00	0.0	1693.8	193.0	1886.8	Producing
02/11/15	22:00:00	0.0	1693.9	193.0	1886.9	Producing
02/11/15	23:00:00	0.0	1693.9	193.0	1886.9	Producing
02/12/15	00:00:00	0.0	1692.1	193.0	1885.1	Producing
02/12/15	01:00:00	0.0	1685.7	193.0	1878.7	Producing
02/12/15	02:00:00	0.0	1680.1	193.0	1873.1	Producing
02/12/15	03:00:00	0.0	1675.4	193.0	1868.4	Producing
02/12/15	04:00:00	0.0	1665.4	193.0	1858.4	Producing
02/12/15	05:00:00	0.0	1658.1	193.0	1851.1	Producing
02/12/15	06:00:00	0.0	1657.4	193.0	1850.4	Producing
02/12/15	07:00:00	0.0	1650.9	193.0	1843.9	Producing
02/12/15	08:00:00	0.0	1645.1	193.0	1838.1	Producing
02/12/15	09:00:00	0.0	1658.3	193.0	1851.3	Producing
02/12/15	10:00:00	0.0	1702.2	193.0	1895.2	Producing
02/12/15	11:00:00	0.0	1700.4	193.0	1893.4	Producing
02/12/15	12:00:00	0.0	1699.4	193.0	1892.4	Producing
02/12/15	13:00:00	0.0	1698.7	193.0	1891.7	Producing
02/12/15	14:00:00	0.0	1699.5	193.0	1892.5	Producing
02/12/15	15:00:00	0.0	1698.7	193.0	1891.7	Producing
02/12/15	16:00:00	0.0	1699.4	193.0	1892.4	Producing
02/12/15	17:00:00	0.0	1698.2	193.0	1891.2	Producing
02/12/15	18:00:00	0.0	1691.8	193.0	1884.8	Producing
02/12/15	19:00:00	0.0	1692.7	193.0	1885.7	Producing
02/12/15	20:00:00	0.0	1694.1	193.0	1887.1	Producing
02/12/15	21:00:00	0.0	1694.7	193.0	1887.7	Producing
02/12/15	22:00:00	0.0	1694.9	193.0	1887.9	Producing
02/12/15	23:00:00	0.0	1695.0	193.0	1888.0	Producing
02/13/15	00:00:00	0.0	1695.1	193.0	1888.1	Producing
02/13/15	01:00:00	0.0	1695.1	193.0	1888.1	Producing
02/13/15	02:00:00	0.0	1693.0	193.0	1886.0	Producing
02/13/15	03:00:00	0.0	1684.0	193.0	1877.0	Producing
02/13/15	04:00:00	0.0	1675.4	193.0	1868.4	Producing
02/13/15	05:00:00	0.0	1665.7	193.0	1858.7	Producing
02/13/15	06:00:00	0.0	1658.5	193.0	1851.5	Producing
02/13/15	07:00:00	0.0	1652.6	193.0	1845.6	Producing
02/13/15	08:00:00	0.0	1649.5	193.0	1842.5	Producing

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/13/15	09:00:00	0.0	1657.9	193.0	1850.9	Producing
02/13/15	10:00:00	0.0	1696.9	193.0	1889.9	Producing
02/13/15	11:00:00	0.0	1699.8	193.0	1892.8	Producing
02/13/15	12:00:00	0.0	1699.3	193.0	1892.3	Producing
02/13/15	13:00:00	0.0	1699.6	193.0	1892.6	Producing
02/13/15	14:00:00	0.0	1699.7	193.0	1892.7	Producing
02/13/15	15:00:00	0.0	1699.5	193.0	1892.5	Producing
02/13/15	16:00:00	0.0	1698.0	193.0	1891.0	Producing
02/13/15	17:00:00	0.1	1695.5	193.0	1888.5	Producing
02/13/15	18:00:00	0.0	1692.4	193.0	1885.4	Producing
02/13/15	19:00:00	0.0	1693.0	193.0	1886.0	Producing
02/13/15	20:00:00	0.0	1693.8	193.0	1886.8	Producing
02/13/15	21:00:00	0.0	1694.4	193.0	1887.4	Producing
02/13/15	22:00:00	0.0	1694.8	193.0	1887.8	Producing
02/13/15	23:00:00	0.0	1694.7	193.0	1887.7	Producing
02/14/15	00:00:00	0.0	1695.3	193.0	1888.3	Producing
02/14/15	01:00:00	0.0	1695.2	193.0	1888.2	Producing
02/14/15	02:00:00	0.0	1696.2	193.0	1889.2	Producing
02/14/15	03:00:00	0.0	1693.3	193.0	1886.3	Producing
02/14/15	04:00:00	0.0	1684.6	193.0	1877.6	Producing
02/14/15	05:00:00	0.0	1675.3	193.0	1868.3	Producing
02/14/15	06:00:00	0.0	1670.7	193.0	1863.7	Producing
02/14/15	07:00:00	0.0	1659.1	193.0	1852.1	Producing
02/14/15	08:00:00	0.0	1652.7	193.0	1845.7	Producing
02/14/15	09:00:00	0.0	1651.8	193.0	1844.8	Producing
02/14/15	10:00:00	0.0	1701.3	193.0	1894.3	Producing
02/14/15	11:00:00	0.0	1699.3	193.0	1892.3	Producing
02/14/15	12:00:00	0.0	1699.7	193.0	1892.7	Producing
02/14/15	13:00:00	0.1	1699.7	193.0	1892.7	Producing
02/14/15	14:00:00	0.1	1699.0	193.0	1892.0	Producing
02/14/15	15:00:00	0.2	1699.7	193.0	1892.7	Producing
02/14/15	16:00:00	0.3	1698.7	193.0	1891.7	Producing
02/14/15	17:00:00	0.4	1698.8	193.0	1891.8	Producing
02/14/15	18:00:00	0.4	1696.2	193.0	1889.2	Producing
02/14/15	19:00:00	0.5	1693.0	193.0	1886.0	Producing
02/14/15	20:00:00	0.6	1694.2	193.0	1887.2	Producing
02/14/15	21:00:00	0.6	1695.0	193.0	1888.0	Producing
02/14/15	22:00:00	0.7	1695.2	193.0	1888.2	Producing
02/14/15	23:00:00	0.8	1695.4	193.0	1888.4	Producing
02/15/15	00:00:00	0.8	1695.5	193.0	1888.5	Producing
02/15/15	01:00:00	0.9	1695.6	193.0	1888.6	Producing
02/15/15	02:00:00	1.0	1695.5	193.0	1888.5	Producing
02/15/15	03:00:00	1.0	1690.4	193.0	1883.4	Producing
02/15/15	04:00:00	1.1	1678.7	193.0	1871.7	Producing
02/15/15	05:00:00	1.2	1675.2	193.0	1868.2	Producing
02/15/15	06:00:00	1.3	1668.2	193.0	1861.2	Producing
02/15/15	07:00:00	1.4	1661.4	193.0	1854.4	Producing
02/15/15	08:00:00	1.5	1664.3	193.0	1857.3	Producing
02/15/15	09:00:00	1.6	1667.1	193.0	1860.1	Producing
02/15/15	10:00:00	1.6	1707.9	193.0	1900.9	Producing
02/15/15	11:00:00	1.7	1699.7	193.0	1892.7	Producing
02/15/15	12:00:00	1.8	1699.9	193.0	1892.9	Producing
02/15/15	13:00:00	1.8	1700.1	193.0	1893.1	Producing
02/15/15	14:00:00	1.9	1699.9	193.0	1892.9	Producing
02/15/15	15:00:00	2.0	1699.1	193.0	1892.1	Producing
02/15/15	16:00:00	2.0	1696.7	193.0	1889.7	Producing
02/15/15	17:00:00	2.1	1695.4	193.0	1888.4	Producing
02/15/15	18:00:00	2.2	1693.2	193.0	1886.2	Producing
02/15/15	19:00:00	2.2	1694.1	193.0	1887.1	Producing
02/15/15	20:00:00	2.3	1694.9	193.0	1887.9	Producing
02/15/15	21:00:00	2.4	1695.5	193.0	1888.5	Producing
02/15/15	22:00:00	2.5	1695.6	193.0	1888.6	Producing
02/15/15	23:00:00	2.6	1696.0	193.0	1889.0	Producing
02/16/15	00:00:00	2.6	1696.0	193.0	1889.0	Producing

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/16/15	01:00:00	2.7	1696.1	193.0	1889.1	Producing
02/16/15	02:00:00	2.8	1695.9	193.0	1888.9	Producing
02/16/15	03:00:00	2.9	1688.0	193.0	1881.0	Producing
02/16/15	04:00:00	3.0	1680.8	193.0	1873.8	Producing
02/16/15	05:00:00	3.1	1670.9	193.0	1863.9	Producing
02/16/15	06:00:00	3.1	1667.5	193.0	1860.5	Producing
02/16/15	07:00:00	3.2	1664.1	193.0	1857.1	Producing
02/16/15	08:00:00	3.3	1658.7	193.0	1851.7	Producing
02/16/15	09:00:00	3.4	1670.4	193.0	1863.4	Producing
02/16/15	10:00:00	3.5	1710.0	193.0	1903.0	Producing
02/16/15	11:00:00	3.5	1700.9	193.0	1893.9	Producing
02/16/15	12:00:00	3.6	1700.9	193.0	1893.9	Producing
02/16/15	13:00:00	3.7	1700.8	193.0	1893.8	Producing
02/16/15	14:00:00	3.8	1700.5	193.0	1893.5	Producing
02/16/15	15:00:00	3.8	1700.5	193.0	1893.5	Producing
02/16/15	16:00:00	3.9	1700.1	193.0	1893.1	Producing
02/16/15	17:00:00	4.0	1701.4	193.0	1894.4	Producing
02/16/15	18:00:00	4.0	1694.0	193.0	1887.0	Producing
02/16/15	19:00:00	4.1	1694.8	193.0	1887.8	Producing
02/16/15	20:00:00	4.2	1695.6	193.0	1888.6	Producing
02/16/15	21:00:00	4.3	1696.5	193.0	1889.5	Producing
02/16/15	22:00:00	4.3	1696.7	193.0	1889.7	Producing
02/16/15	23:00:00	4.4	1696.8	193.0	1889.8	Producing
02/17/15	00:00:00	4.5	1697.0	193.0	1890.0	Producing
02/17/15	01:00:00	4.6	1697.2	193.0	1890.2	Producing
02/17/15	02:00:00	4.7	1697.0	193.0	1890.0	Producing
02/17/15	03:00:00	4.8	1694.3	193.0	1887.3	Producing
02/17/15	04:00:00	4.8	1690.9	193.0	1883.9	Producing
02/17/15	05:00:00	4.9	1683.1	193.0	1876.1	Producing
02/17/15	06:00:00	5.0	1677.4	193.0	1870.4	Producing
02/17/15	07:00:00	5.0	1691.0	193.0	1884.0	Producing
02/17/15	08:00:00	5.0	1695.0	193.0	1888.0	Producing
02/17/15	09:00:00	5.0	1698.3	193.0	1891.3	Producing
02/17/15	10:00:00	5.0	1713.7	193.0	1906.7	Producing
02/17/15	11:00:00	5.0	1720.8	193.0	1913.8	Producing
02/17/15	12:00:00	5.0	1702.0	193.0	1895.0	Producing
02/17/15	13:00:00	5.0	1701.3	193.0	1894.3	Producing
02/17/15	14:00:00	5.0	1700.4	193.0	1893.4	Producing
02/17/15	15:00:00	5.0	1699.2	193.0	1892.2	Producing
02/17/15	16:00:00	5.0	1698.9	193.0	1891.9	Producing
02/17/15	17:00:00	5.0	1696.6	193.0	1889.6	Producing
02/17/15	18:00:00	5.0	1696.6	193.0	1889.6	Producing
02/17/15	19:00:00	5.0	1697.4	193.0	1890.4	Producing
02/17/15	20:00:00	5.0	1697.7	193.0	1890.7	Producing
02/17/15	21:00:00	5.0	1697.9	193.0	1890.9	Producing
02/17/15	22:00:00	5.0	1698.0	193.0	1891.0	Producing
02/17/15	23:00:00	5.0	1698.2	193.0	1891.2	Producing
02/18/15	00:00:00	5.0	1698.3	193.0	1891.3	Producing
02/18/15	01:00:00	5.0	1698.1	193.0	1891.1	Producing
02/18/15	02:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	03:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	04:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	05:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	06:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	07:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	08:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	09:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	10:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	11:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	12:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	13:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	14:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	15:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	16:00:00	5.0	(1)	193.0	(1)	Producing

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/18/15	17:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	18:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	19:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	20:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	21:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	22:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	23:00:00	5.1	(1)	193.0	(1)	Producing
02/19/15	00:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	01:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	02:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	03:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	04:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	05:00:00	5.3	(1)	193.0	(1)	Producing
02/19/15	06:00:00	5.4	(1)	193.0	(1)	Producing
02/19/15	07:00:00	5.5	(1)	193.0	(1)	Producing
02/19/15	08:00:00	5.5	(1)	193.0	(1)	Producing
02/19/15	09:00:00	5.6	(1)	193.0	(1)	Producing
02/19/15	10:00:00	5.7	(1)	193.0	(1)	Producing
02/19/15	11:00:00	5.8	(1)	193.0	(1)	Producing
02/19/15	12:00:00	5.8	(1)	193.0	(1)	Producing
02/19/15	13:00:00	5.9	(1)	193.0	(1)	Producing
02/19/15	14:00:00	6.0	(1)	193.0	(1)	Producing
02/19/15	15:00:00	6.1	(1)	193.0	(1)	Producing
02/19/15	16:00:00	6.1	(1)	193.0	(1)	Producing
02/19/15	17:00:00	6.2	(1)	193.0	(1)	Producing
02/19/15	18:00:00	6.3	(1)	193.0	(1)	Producing
02/19/15	19:00:00	6.4	(1)	193.0	(1)	Producing
02/19/15	20:00:00	6.5	(1)	193.0	(1)	Producing
02/19/15	21:00:00	6.5	(1)	193.0	(1)	Producing
02/19/15	22:00:00	6.6	(1)	193.0	(1)	Producing
02/19/15	23:00:00	6.7	(1)	193.0	(1)	Producing
02/20/15	00:00:00	6.8	(1)	193.0	(1)	Producing
02/20/15	01:00:00	6.8	(1)	193.0	(1)	Producing
02/20/15	02:00:00	6.9	(1)	193.0	(1)	Producing
02/20/15	03:00:00	7.0	(1)	193.0	(1)	Producing
02/20/15	04:00:00	7.1	(1)	193.0	(1)	Producing
02/20/15	05:00:00	7.2	(1)	193.0	(1)	Producing
02/20/15	06:00:00	7.2	(1)	193.0	(1)	Producing
02/20/15	07:00:00	7.3	(1)	193.0	(1)	Producing
02/20/15	08:00:00	7.4	(1)	193.0	(1)	Producing
02/20/15	09:00:00	7.5	(1)	193.0	(1)	Producing
02/20/15	10:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	11:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	12:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	13:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	14:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	15:00:00	7.6	1704.4	193.0	1897.4	Producing
02/20/15	16:00:00	7.6	1703.8	193.0	1896.8	Producing
02/20/15	17:00:00	7.7	1700.4	193.0	1893.4	Producing
02/20/15	18:00:00	7.7	1697.1	193.0	1890.1	Producing
02/20/15	19:00:00	7.7	1698.1	193.0	1891.1	Producing
02/20/15	20:00:00	7.8	1699.1	193.0	1892.1	Producing
02/20/15	21:00:00	7.9	1699.3	193.0	1892.3	Producing
02/20/15	22:00:00	8.0	1699.5	193.0	1892.5	Producing
02/20/15	23:00:00	8.1	1699.5	193.0	1892.5	Producing
02/21/15	00:00:00	8.2	1699.4	193.0	1892.4	Producing
02/21/15	01:00:00	8.2	1697.7	193.0	1890.7	Producing
02/21/15	02:00:00	8.3	1698.9	193.0	1891.9	Producing
02/21/15	03:00:00	8.4	1704.2	193.0	1897.2	Producing
02/21/15	04:00:00	8.5	1706.1	193.0	1899.1	Producing
02/21/15	05:00:00	8.6	1707.5	193.0	1900.5	Producing
02/21/15	06:00:00	8.7	1709.4	193.0	1902.4	Producing
02/21/15	07:00:00	8.8	1711.6	193.0	1904.6	Producing
02/21/15	08:00:00	8.8	1711.6	193.0	1904.6	Producing

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/21/15	09:00:00	8.9	1713.6	193.0	1906.6	Producing
02/21/15	10:00:00	9.0	1715.3	193.0	1908.3	Producing
02/21/15	11:00:00	9.1	1723.3	193.0	1916.3	Producing
02/21/15	12:00:00	9.2	1727.1	193.0	1920.1	Producing
02/21/15	13:00:00	9.3	1704.0	193.0	1897.0	Producing
02/21/15	14:00:00	9.4	1703.3	193.0	1896.3	Producing
02/21/15	15:00:00	9.4	1703.9	193.0	1896.9	Producing
02/21/15	16:00:00	9.5	1703.2	193.0	1896.2	Producing
02/21/15	17:00:00	9.6	1703.5	193.0	1896.5	Producing
02/21/15	18:00:00	9.7	1700.8	193.0	1893.8	Producing
02/21/15	19:00:00	9.7	1698.9	193.0	1891.9	Producing
02/21/15	20:00:00	9.8	1699.8	193.0	1892.8	Producing
02/21/15	21:00:00	9.9	1700.2	193.0	1893.2	Producing
02/21/15	22:00:00	10.0	1700.8	193.0	1893.8	Producing
02/21/15	23:00:00	10.1	1700.9	193.0	1893.9	Producing
02/22/15	00:00:00	10.2	1701.9	193.0	1894.9	Producing
02/22/15	01:00:00	10.2	1702.0	193.0	1895.0	Producing
02/22/15	02:00:00	10.3	1702.1	193.0	1895.1	Producing
02/22/15	03:00:00	10.4	1702.1	193.0	1895.1	Producing
02/22/15	04:00:00	10.5	1702.3	193.0	1895.3	Producing
02/22/15	05:00:00	10.6	1701.4	193.0	1894.4	Producing
02/22/15	06:00:00	10.6	1692.7	193.0	1885.7	Producing
02/22/15	07:00:00	10.7	1683.8	193.0	1876.8	Producing
02/22/15	08:00:00	10.8	1681.8	193.0	1874.8	Producing
02/22/15	09:00:00	10.9	1685.0	193.0	1878.0	Producing
02/22/15	10:00:00	11.0	1718.6	193.0	1911.6	Producing
02/22/15	11:00:00	11.0	1705.6	193.0	1898.6	Producing
02/22/15	12:00:00	11.1	1705.3	193.0	1898.3	Producing
02/22/15	13:00:00	11.2	1704.7	193.0	1897.7	Producing
02/22/15	14:00:00	11.3	1705.1	193.0	1898.1	Producing
02/22/15	15:00:00	11.4	1700.8	193.0	1893.8	Producing
02/22/15	16:00:00	11.4	1703.1	193.0	1896.1	Producing
02/22/15	17:00:00	11.5	1703.0	193.0	1896.0	Producing
02/22/15	18:00:00	11.6	1699.8	193.0	1892.8	Producing
02/22/15	19:00:00	11.7	1700.5	193.0	1893.5	Producing
02/22/15	20:00:00	11.8	1701.0	193.0	1894.0	Producing
02/22/15	21:00:00	11.9	1701.0	193.0	1894.0	Producing
02/22/15	22:00:00	12.0	1701.2	193.0	1894.2	Producing
02/22/15	23:00:00	12.0	1701.4	193.0	1894.4	Producing
02/23/15	00:00:00	12.1	1703.2	193.0	1896.2	Producing
02/23/15	01:00:00	12.2	1704.4	193.0	1897.4	Producing
02/23/15	02:00:00	12.3	1701.4	193.0	1894.4	Producing
02/23/15	03:00:00	12.4	1701.9	193.0	1894.9	Producing
02/23/15	04:00:00	12.5	1701.8	193.0	1894.8	Producing
02/23/15	05:00:00	12.6	1696.7	193.0	1889.7	Producing
02/23/15	06:00:00	12.7	1689.6	193.0	1882.6	Producing
02/23/15	07:00:00	12.8	1687.0	193.0	1880.0	Producing
02/23/15	08:00:00	12.8	1682.4	193.0	1875.4	Producing
02/23/15	09:00:00	12.9	1683.5	193.0	1876.5	Producing
02/23/15	10:00:00	13.0	1724.0	193.0	1917.0	Producing
02/23/15	11:00:00	13.1	1734.5	193.0	1927.5	Producing
02/23/15	12:00:00	13.2	1706.1	193.0	1899.1	Producing
02/23/15	13:00:00	13.3	1706.5	193.0	1899.5	Producing
02/23/15	14:00:00	13.3	1706.6	193.0	1899.6	Producing
02/23/15	15:00:00	13.5	1703.9	193.0	1896.9	Producing
02/23/15	16:00:00	13.6	1703.2	193.0	1896.2	Producing
02/23/15	17:00:00	13.7	1701.4	193.0	1894.4	Producing
02/23/15	18:00:00	13.9	1701.2	193.0	1894.2	Producing
02/23/15	19:00:00	14.1	1701.8	193.0	1894.8	Producing
02/23/15	20:00:00	14.2	1702.1	193.0	1895.1	Producing
02/23/15	21:00:00	14.3	1701.7	193.0	1894.7	Producing
02/23/15	22:00:00	14.4	1696.6	193.0	1889.6	Producing
02/23/15	23:00:00	14.6	1694.4	193.0	1887.4	Producing
02/24/15	00:00:00	14.7	1677.3	193.0	1870.3	Producing

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/24/15	01:00:00	14.9	1662.0	193.0	1855.0	Producing
02/24/15	02:00:00	15.0	1658.4	193.0	1851.4	Producing
02/24/15	03:00:00	15.2	1655.4	193.0	1848.4	Producing
02/24/15	04:00:00	15.3	1652.0	193.0	1845.0	Producing
02/24/15	05:00:00	15.5	1653.4	193.0	1846.4	Producing
02/24/15	06:00:00	15.6	1651.6	193.0	1844.6	Producing
02/24/15	07:00:00	15.8	1652.3	193.0	1845.3	Producing
02/24/15	08:00:00	15.9	1650.6	193.0	1843.6	Producing
02/24/15	09:00:00	16.0	1677.9	193.0	1870.9	Producing
02/24/15	10:00:00	16.2	1721.2	193.0	1914.2	Producing
02/24/15	11:00:00	16.3	1710.2	193.0	1903.2	Producing
02/24/15	12:00:00	16.5	1709.1	193.0	1902.1	Producing
02/24/15	13:00:00	16.6	1709.1	193.0	1902.1	Producing
02/24/15	14:00:00	16.8	1710.6	193.0	1903.6	Producing
02/24/15	15:00:00	17.0	1710.7	193.0	1903.7	Producing
02/24/15	16:00:00	17.2	1709.2	193.0	1902.2	Producing
02/24/15	17:00:00	17.4	1706.0	193.0	1899.0	Producing
02/24/15	18:00:00	17.6	1705.6	193.0	1898.6	Producing
02/24/15	19:00:00	17.8	1701.6	193.0	1894.6	Producing
02/24/15	20:00:00	18.0	1702.4	193.0	1895.4	Producing
02/24/15	21:00:00	18.2	1703.5	193.0	1896.5	Producing
02/24/15	22:00:00	18.4	1704.8	193.0	1897.8	Producing
02/24/15	23:00:00	18.6	1704.9	193.0	1897.9	Producing
02/25/15	00:00:00	18.8	1705.1	193.0	1898.1	Producing
02/25/15	01:00:00	19.0	1700.6	193.0	1893.6	Producing
02/25/15	02:00:00	19.2	1691.4	193.0	1884.4	Producing
02/25/15	03:00:00	19.4	1692.2	193.0	1885.2	Producing
02/25/15	04:00:00	19.6	1683.8	193.0	1876.8	Producing
02/25/15	05:00:00	19.8	1679.6	193.0	1872.6	Producing
02/25/15	06:00:00	20.0	1678.0	193.0	1871.0	Producing
02/25/15	07:00:00	20.2	1677.3	193.0	1870.3	Producing
02/25/15	08:00:00	20.5	1678.7	193.0	1871.7	Producing
02/25/15	09:00:00	20.7	1702.2	193.0	1895.2	Producing
02/25/15	10:00:00	20.9	1726.8	193.0	1919.8	Producing
02/25/15	11:00:00	21.0	1709.2	193.0	1902.2	Producing
02/25/15	12:00:00	21.1	1709.8	193.0	1902.8	Producing
02/25/15	13:00:00	21.3	1710.4	193.0	1903.4	Producing
02/25/15	14:00:00	21.3	1710.3	193.0	1903.3	Producing
02/25/15	15:00:00	21.3	1709.8	193.0	1902.8	Producing
02/25/15	16:00:00	21.3	1706.2	193.0	1899.2	Producing
02/25/15	17:00:00	21.3	1709.1	193.0	1902.1	Producing
02/25/15	18:00:00	21.4	1704.9	193.0	1897.9	Producing
02/25/15	19:00:00	21.5	1705.3	193.0	1898.3	Producing
02/25/15	20:00:00	21.8	1706.0	193.0	1899.0	Producing
02/25/15	21:00:00	22.0	1706.3	193.0	1899.3	Producing
02/25/15	22:00:00	22.2	1706.5	193.0	1899.5	Producing
02/25/15	23:00:00	22.4	1707.0	193.0	1900.0	Producing
02/26/15	00:00:00	22.7	1707.1	193.0	1900.1	Producing
02/26/15	01:00:00	22.9	1707.4	193.0	1900.4	Producing
02/26/15	02:00:00	23.1	1707.5	193.0	1900.5	Producing
02/26/15	03:00:00	23.4	1706.2	193.0	1899.2	Producing
02/26/15	04:00:00	23.6	1698.4	193.0	1891.4	Producing
02/26/15	05:00:00	23.8	1688.4	193.0	1881.4	Producing
02/26/15	06:00:00	24.1	1691.4	193.0	1884.4	Producing
02/26/15	07:00:00	24.3	1690.6	193.0	1883.6	Producing
02/26/15	08:00:00	24.5	1683.3	193.0	1876.3	Producing
02/26/15	09:00:00	24.8	1703.2	193.0	1896.2	Producing
02/26/15	10:00:00	25.0	1728.7	193.0	1921.7	Shut-in
02/26/15	11:00:00	25.2	1712.7	193.0	1905.7	Shut-in
02/26/15	12:00:00	25.4	1712.7	193.0	1905.7	Shut-in
02/26/15	13:00:00	25.6	1712.1	193.0	1905.1	Shut-in
02/26/15	14:00:00	25.8	1712.1	193.0	1905.1	Shut-in
02/26/15	15:00:00	25.8	1710.3	193.0	1903.3	Shut-in
02/26/15	16:00:00	25.8	1710.3	193.0	1903.3	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/26/15	17:00:00	25.8	1710.3	193.0	1903.3	Shut-in
02/26/15	18:00:00	25.9	1710.3	193.0	1903.3	Shut-in
02/26/15	19:00:00	26.1	1710.3	193.0	1903.3	Shut-in
02/26/15	20:00:00	26.4	1710.3	193.0	1903.3	Shut-in
02/26/15	21:00:00	26.6	1710.3	193.0	1903.3	Shut-in
02/26/15	22:00:00	26.8	1710.3	193.0	1903.3	Shut-in
02/26/15	23:00:00	27.1	1710.3	193.0	1903.3	Shut-in
02/27/15	00:00:00	27.3	1711.2	193.0	1904.2	Shut-in
02/27/15	01:00:00	27.5	1709.6	193.0	1902.6	Shut-in
02/27/15	02:00:00	27.8	1709.3	193.0	1902.3	Shut-in
02/27/15	03:00:00	28.0	1709.4	193.0	1902.4	Shut-in
02/27/15	04:00:00	28.2	1709.6	193.0	1902.6	Shut-in
02/27/15	05:00:00	28.5	1709.9	193.0	1902.9	Shut-in
02/27/15	06:00:00	28.7	1709.8	193.0	1902.8	Shut-in
02/27/15	07:00:00	28.9	1711.0	193.0	1904.0	Shut-in
02/27/15	08:00:00	29.1	1713.6	193.0	1906.6	Shut-in
02/27/15	09:00:00	29.3	1714.3	193.0	1907.3	Shut-in
02/27/15	10:00:00	29.5	1714.1	193.0	1907.1	Shut-in
02/27/15	11:00:00	29.8	1713.9	193.0	1906.9	Shut-in
02/27/15	12:00:00	30.0	1713.5	193.0	1906.5	Shut-in
02/27/15	13:00:00	30.2	1714.6	193.0	1907.6	Shut-in
02/27/15	14:00:00	30.4	1712.4	193.0	1905.4	Shut-in
02/27/15	15:00:00	30.7	1713.7	193.0	1906.7	Shut-in
02/27/15	16:00:00	30.9	1710.4	193.0	1903.4	Shut-in
02/27/15	17:00:00	31.1	1709.9	193.0	1902.9	Shut-in
02/27/15	18:00:00	31.4	1710.4	193.0	1903.4	Shut-in
02/27/15	19:00:00	31.6	1710.6	193.0	1903.6	Shut-in
02/27/15	20:00:00	31.8	1710.8	193.0	1903.8	Shut-in
02/27/15	21:00:00	32.1	1711.0	193.0	1904.0	Shut-in
02/27/15	22:00:00	32.3	1711.2	193.0	1904.2	Shut-in
02/27/15	23:00:00	32.6	1711.5	193.0	1904.5	Shut-in
02/28/15	00:00:00	32.8	1711.9	193.0	1904.9	Shut-in
02/28/15	01:00:00	33.0	1712.3	193.0	1905.3	Shut-in
02/28/15	02:00:00	33.3	1713.4	193.0	1906.4	Shut-in
02/28/15	03:00:00	33.5	1713.8	193.0	1906.8	Shut-in
02/28/15	04:00:00	33.7	1708.8	193.0	1901.8	Shut-in
02/28/15	05:00:00	34.0	1707.8	193.0	1900.8	Shut-in
02/28/15	06:00:00	34.2	1705.2	193.0	1898.2	Shut-in
02/28/15	07:00:00	34.4	1693.6	193.0	1886.6	Shut-in
02/28/15	08:00:00	34.7	1688.0	193.0	1881.0	Shut-in
02/28/15	09:00:00	34.9	1689.6	193.0	1882.6	Shut-in
02/28/15	10:00:00	35.1	1713.1	193.0	1906.1	Shut-in
02/28/15	11:00:00	35.4	1733.0	193.0	1926.0	Shut-in
02/28/15	12:00:00	35.6	1717.1	193.0	1910.1	Shut-in
02/28/15	13:00:00	35.9	1716.0	193.0	1909.0	Shut-in
02/28/15	14:00:00	36.1	1714.6	193.0	1907.6	Shut-in
02/28/15	15:00:00	36.4	1712.6	193.0	1905.6	Shut-in
02/28/15	16:00:00	36.6	1716.0	193.0	1909.0	Shut-in
02/28/15	17:00:00	36.9	1717.1	193.0	1910.1	Shut-in
02/28/15	18:00:00	37.1	1713.8	193.0	1906.8	Shut-in
02/28/15	19:00:00	37.4	1713.1	193.0	1906.1	Shut-in
02/28/15	20:00:00	37.6	1713.5	193.0	1906.5	Shut-in
02/28/15	21:00:00	37.9	1713.6	193.0	1906.6	Shut-in
02/28/15	22:00:00	38.2	1714.0	193.0	1907.0	Shut-in
02/28/15	23:00:00	38.4	1714.4	193.0	1907.4	Shut-in
03/01/15	00:00:00	38.6	1714.6	193.0	1907.6	Shut-in
03/01/15	01:00:00	38.9	1712.3	193.0	1905.3	Shut-in
03/01/15	02:00:00	39.1	1703.5	193.0	1896.5	Shut-in
03/01/15	03:00:00	39.3	1697.9	193.0	1890.9	Shut-in
03/01/15	04:00:00	39.4	1692.0	193.0	1885.0	Shut-in
03/01/15	05:00:00	39.6	1685.9	193.0	1878.9	Shut-in
03/01/15	06:00:00	39.8	1695.0	193.0	1888.0	Shut-in
03/01/15	07:00:00	39.9	1680.6	193.0	1873.6	Shut-in
03/01/15	08:00:00	40.1	1670.9	193.0	1863.9	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/01/15	09:00:00	40.3	1708.1	193.0	1901.1	Shut-in
03/01/15	10:00:00	40.6	1765.3	193.0	1958.3	Shut-in
03/01/15	11:00:00	40.8	1727.7	193.0	1920.7	Shut-in
03/01/15	12:00:00	41.0	1719.6	193.0	1912.6	Shut-in
03/01/15	13:00:00	41.3	1719.6	193.0	1912.6	Shut-in
03/01/15	14:00:00	41.5	1719.8	193.0	1912.8	Shut-in
03/01/15	15:00:00	41.8	1718.4	193.0	1911.4	Shut-in
03/01/15	16:00:00	42.0	1719.0	193.0	1912.0	Shut-in
03/01/15	17:00:00	42.2	1719.3	193.0	1912.3	Shut-in
03/01/15	18:00:00	42.5	1717.9	193.0	1910.9	Shut-in
03/01/15	19:00:00	42.7	1714.7	193.0	1907.7	Shut-in
03/01/15	20:00:00	43.0	1715.9	193.0	1908.9	Shut-in
03/01/15	21:00:00	43.2	1716.6	193.0	1909.6	Shut-in
03/01/15	22:00:00	43.5	1717.0	193.0	1910.0	Shut-in
03/01/15	23:00:00	43.7	1717.1	193.0	1910.1	Shut-in
03/02/15	00:00:00	44.0	1716.7	193.0	1909.7	Shut-in
03/02/15	01:00:00	44.3	1707.8	193.0	1900.8	Shut-in
03/02/15	02:00:00	44.5	1700.2	193.0	1893.2	Shut-in
03/02/15	03:00:00	44.8	1695.1	193.0	1888.1	Shut-in
03/02/15	04:00:00	45.0	1701.3	193.0	1894.3	Shut-in
03/02/15	05:00:00	45.3	1701.8	193.0	1894.8	Shut-in
03/02/15	06:00:00	45.5	1699.0	193.0	1892.0	Shut-in
03/02/15	07:00:00	45.8	1701.4	193.0	1894.4	Shut-in
03/02/15	08:00:00	46.0	1700.2	193.0	1893.2	Shut-in
03/02/15	09:00:00	46.3	1711.3	193.0	1904.3	Shut-in
03/02/15	10:00:00	46.5	1738.8	193.0	1931.8	Shut-in
03/02/15	11:00:00	46.8	1735.2	193.0	1928.2	Shut-in
03/02/15	12:00:00	47.0	1722.1	193.0	1915.1	Shut-in
03/02/15	13:00:00	47.3	1721.6	193.0	1914.6	Shut-in
03/02/15	14:00:00	47.5	1721.3	193.0	1914.3	Shut-in
03/02/15	15:00:00	47.7	1722.6	193.0	1915.6	Shut-in
03/02/15	16:00:00	47.8	1720.4	193.0	1913.4	Shut-in
03/02/15	17:00:00	48.1	1718.3	193.0	1911.3	Shut-in
03/02/15	18:00:00	48.3	1721.5	193.0	1914.5	Shut-in
03/02/15	19:00:00	48.6	1719.1	193.0	1912.1	Shut-in
03/02/15	20:00:00	48.8	1719.2	193.0	1912.2	Shut-in
03/02/15	21:00:00	49.1	1719.5	193.0	1912.5	Shut-in
03/02/15	22:00:00	49.3	1719.7	193.0	1912.7	Shut-in
03/02/15	23:00:00	49.6	1717.7	193.0	1910.7	Shut-in
03/03/15	00:00:00	49.8	1707.8	193.0	1900.8	Shut-in
03/03/15	01:00:00	50.1	1698.3	193.0	1891.3	Shut-in
03/03/15	02:00:00	50.3	1692.0	193.0	1885.0	Shut-in
03/03/15	03:00:00	50.6	1684.2	193.0	1877.2	Shut-in
03/03/15	04:00:00	50.8	1681.2	193.0	1874.2	Shut-in
03/03/15	05:00:00	51.1	1677.7	193.0	1870.7	Shut-in
03/03/15	06:00:00	51.3	1674.9	193.0	1867.9	Shut-in
03/03/15	07:00:00	51.6	1673.4	193.0	1866.4	Shut-in
03/03/15	08:00:00	51.7	1670.0	193.0	1863.0	Shut-in
03/03/15	09:00:00	51.7	1699.4	193.0	1892.4	Shut-in
03/03/15	10:00:00	51.7	1755.4	193.0	1948.4	Shut-in
03/03/15	11:00:00	51.7	1739.5	193.0	1932.5	Shut-in
03/03/15	12:00:00	51.7	1725.6	193.0	1918.6	Shut-in
03/03/15	13:00:00	51.7	1725.4	193.0	1918.4	Shut-in
03/03/15	14:00:00	51.7	1725.2	193.0	1918.2	Shut-in
03/03/15	15:00:00	51.7	1725.5	193.0	1918.5	Shut-in
03/03/15	16:00:00	51.7	1724.0	193.0	1917.0	Shut-in
03/03/15	17:00:00	51.7	1723.6	193.0	1916.6	Shut-in
03/03/15	18:00:00	51.9	1722.2	193.0	1915.2	Shut-in
03/03/15	19:00:00	52.1	1721.3	193.0	1914.3	Shut-in
03/03/15	20:00:00	52.3	1721.3	193.0	1914.3	Shut-in
03/03/15	21:00:00	52.6	1721.8	193.0	1914.8	Shut-in
03/03/15	22:00:00	52.8	1722.3	193.0	1915.3	Shut-in
03/03/15	23:00:00	53.0	1722.3	193.0	1915.3	Shut-in
03/04/15	00:00:00	53.3	1721.4	193.0	1914.4	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/04/15	01:00:00	53.5	1715.8	193.0	1908.8	Shut-in
03/04/15	02:00:00	53.8	1705.9	193.0	1898.9	Shut-in
03/04/15	03:00:00	54.0	1689.3	193.0	1882.3	Shut-in
03/04/15	04:00:00	54.3	1676.6	193.0	1869.6	Shut-in
03/04/15	05:00:00	54.5	1661.3	193.0	1854.3	Shut-in
03/04/15	06:00:00	54.8	1653.7	193.0	1846.7	Shut-in
03/04/15	07:00:00	55.0	1654.8	193.0	1847.8	Shut-in
03/04/15	08:00:00	55.3	1646.4	193.0	1839.4	Shut-in
03/04/15	09:00:00	55.5	1684.1	193.0	1877.1	Shut-in
03/04/15	10:00:00	55.8	1740.7	193.0	1933.7	Shut-in
03/04/15	11:00:00	56.0	1728.2	193.0	1921.2	Shut-in
03/04/15	12:00:00	56.2	1727.1	193.0	1920.1	Shut-in
03/04/15	13:00:00	56.5	1727.9	193.0	1920.9	Shut-in
03/04/15	14:00:00	56.7	1725.8	193.0	1918.8	Shut-in
03/04/15	15:00:00	57.0	1726.5	193.0	1919.5	Shut-in
03/04/15	16:00:00	57.2	1727.1	193.0	1920.1	Shut-in
03/04/15	17:00:00	57.5	1726.6	193.0	1919.6	Shut-in
03/04/15	18:00:00	57.7	1724.1	193.0	1917.1	Shut-in
03/04/15	19:00:00	58.0	1721.8	193.0	1914.8	Shut-in
03/04/15	20:00:00	58.2	1723.0	193.0	1916.0	Shut-in
03/04/15	21:00:00	58.5	1723.6	193.0	1916.6	Shut-in
03/04/15	22:00:00	58.7	1724.0	193.0	1917.0	Shut-in
03/04/15	23:00:00	59.0	1724.2	193.0	1917.2	Shut-in
03/05/15	00:00:00	59.2	1724.6	193.0	1917.6	Shut-in
03/05/15	01:00:00	59.5	1724.8	193.0	1917.8	Shut-in
03/05/15	02:00:00	59.7	1725.1	193.0	1918.1	Shut-in
03/05/15	03:00:00	60.0	1725.2	193.0	1918.2	Shut-in
03/05/15	04:00:00	60.2	1725.4	193.0	1918.4	Shut-in
03/05/15	05:00:00	60.5	1725.5	193.0	1918.5	Shut-in
03/05/15	06:00:00	60.7	1725.8	193.0	1918.8	Shut-in
03/05/15	07:00:00	61.0	1720.8	193.0	1913.8	Shut-in
03/05/15	08:00:00	61.2	1718.7	193.0	1911.7	Shut-in
03/05/15	09:00:00	61.5	1761.8	193.0	1954.8	Shut-in
03/05/15	10:00:00	61.7	1791.0	193.0	1984.0	Shut-in
03/05/15	11:00:00	62.0	1730.0	193.0	1923.0	Shut-in
03/05/15	12:00:00	62.2	1730.0	193.0	1923.0	Shut-in
03/05/15	13:00:00	62.5	1729.8	193.0	1922.8	Shut-in
03/05/15	14:00:00	62.7	1729.9	193.0	1922.9	Shut-in
03/05/15	15:00:00	62.9	1731.0	193.0	1924.0	Shut-in
03/05/15	16:00:00	63.2	1730.1	193.0	1923.1	Shut-in
03/05/15	17:00:00	63.4	1728.0	193.0	1921.0	Shut-in
03/05/15	18:00:00	63.7	1724.2	193.0	1917.2	Shut-in
03/05/15	19:00:00	64.0	1724.6	193.0	1917.6	Shut-in
03/05/15	20:00:00	64.2	1726.0	193.0	1919.0	Shut-in
03/05/15	21:00:00	64.5	1726.5	193.0	1919.5	Shut-in
03/05/15	22:00:00	64.7	1726.8	193.0	1919.8	Shut-in
03/05/15	23:00:00	65.0	1727.1	193.0	1920.1	Shut-in
03/06/15	00:00:00	65.2	1727.4	193.0	1920.4	Shut-in
03/06/15	01:00:00	65.5	1724.6	193.0	1917.6	Shut-in
03/06/15	02:00:00	65.7	1702.9	193.0	1895.9	Shut-in
03/06/15	03:00:00	66.0	1694.5	193.0	1887.5	Shut-in
03/06/15	04:00:00	66.2	1693.2	193.0	1886.2	Shut-in
03/06/15	05:00:00	66.5	1680.0	193.0	1873.0	Shut-in
03/06/15	06:00:00	66.7	1678.8	193.0	1871.8	Shut-in
03/06/15	07:00:00	67.0	1672.9	193.0	1865.9	Shut-in
03/06/15	08:00:00	67.2	1674.0	193.0	1867.0	Shut-in
03/06/15	09:00:00	67.5	1710.0	193.0	1903.0	Shut-in
03/06/15	10:00:00	67.7	1746.1	193.0	1939.1	Shut-in
03/06/15	11:00:00	68.0	1732.9	193.0	1925.9	Shut-in
03/06/15	12:00:00	68.2	1733.1	193.0	1926.1	Shut-in
03/06/15	13:00:00	68.4	1732.9	193.0	1925.9	Shut-in
03/06/15	14:00:00	68.7	1732.6	193.0	1925.6	Shut-in
03/06/15	15:00:00	68.9	1731.7	193.0	1924.7	Shut-in
03/06/15	16:00:00	69.2	1730.4	193.0	1923.4	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/06/15	17:00:00	69.4	1732.1	193.0	1925.1	Shut-in
03/06/15	18:00:00	69.7	1730.8	193.0	1923.8	Shut-in
03/06/15	19:00:00	69.9	1728.1	193.0	1921.1	Shut-in
03/06/15	20:00:00	70.2	1728.3	193.0	1921.3	Shut-in
03/06/15	21:00:00	70.4	1729.2	193.0	1922.2	Shut-in
03/06/15	22:00:00	70.7	1729.5	193.0	1922.5	Shut-in
03/06/15	23:00:00	70.9	1729.7	193.0	1922.7	Shut-in
03/07/15	00:00:00	71.2	1729.8	193.0	1922.8	Shut-in
03/07/15	01:00:00	71.4	1729.9	193.0	1922.9	Shut-in
03/07/15	02:00:00	71.7	1724.9	193.0	1917.9	Shut-in
03/07/15	03:00:00	71.9	1716.3	193.0	1909.3	Shut-in
03/07/15	04:00:00	72.2	1708.4	193.0	1901.4	Shut-in
03/07/15	05:00:00	72.4	1703.8	193.0	1896.8	Shut-in
03/07/15	06:00:00	72.7	1700.0	193.0	1893.0	Shut-in
03/07/15	07:00:00	72.9	1693.0	193.0	1886.0	Shut-in
03/07/15	08:00:00	73.2	1692.9	193.0	1885.9	Shut-in
03/07/15	09:00:00	73.4	1732.3	193.0	1925.3	Shut-in
03/07/15	10:00:00	73.7	1747.9	193.0	1940.9	Shut-in
03/07/15	11:00:00	73.9	1735.8	193.0	1928.8	Shut-in
03/07/15	12:00:00	74.2	1736.0	193.0	1929.0	Shut-in
03/07/15	13:00:00	74.4	1736.1	193.0	1929.1	Shut-in
03/07/15	14:00:00	74.7	1736.6	193.0	1929.6	Shut-in
03/07/15	15:00:00	74.9	1736.3	193.0	1929.3	Shut-in
03/07/15	16:00:00	75.2	1736.1	193.0	1929.1	Shut-in
03/07/15	17:00:00	75.4	1734.2	193.0	1927.2	Shut-in
03/07/15	18:00:00	75.7	1733.9	193.0	1926.9	Shut-in
03/07/15	19:00:00	75.9	1729.6	193.0	1922.6	Shut-in
03/07/15	20:00:00	76.2	1731.2	193.0	1924.2	Shut-in
03/07/15	21:00:00	76.4	1732.2	193.0	1925.2	Shut-in
03/07/15	22:00:00	76.7	1732.6	193.0	1925.6	Shut-in
03/07/15	23:00:00	76.9	1732.8	193.0	1925.8	Shut-in
03/08/15	00:00:00	77.2	1732.9	193.0	1925.9	Shut-in
03/08/15	01:00:00	77.4	1733.0	193.0	1926.0	Shut-in
03/08/15	02:00:00	77.4	(2)	193.0	(2)	Shut-in
03/08/15	03:00:00	77.7	1733.3	193.0	1926.3	Shut-in
03/08/15	04:00:00	77.9	1733.4	193.0	1926.4	Shut-in
03/08/15	05:00:00	78.2	1731.3	193.0	1924.3	Shut-in
03/08/15	06:00:00	78.4	1723.6	193.0	1916.6	Shut-in
03/08/15	07:00:00	78.7	1716.9	193.0	1909.9	Shut-in
03/08/15	08:00:00	78.9	1707.1	193.0	1900.1	Shut-in
03/08/15	09:00:00	79.2	1703.4	193.0	1896.4	Shut-in
03/08/15	10:00:00	79.4	1734.0	193.0	1927.0	Shut-in
03/08/15	11:00:00	79.7	1754.2	193.0	1947.2	Shut-in
03/08/15	12:00:00	79.9	1738.1	193.0	1931.1	Shut-in
03/08/15	13:00:00	80.1	1738.8	193.0	1931.8	Shut-in
03/08/15	14:00:00	80.4	1737.2	193.0	1930.2	Shut-in
03/08/15	15:00:00	80.6	1738.9	193.0	1931.9	Shut-in
03/08/15	16:00:00	80.9	1738.1	193.0	1931.1	Shut-in
03/08/15	17:00:00	81.1	1735.6	193.0	1928.6	Shut-in
03/08/15	18:00:00	81.4	1738.0	193.0	1931.0	Shut-in
03/08/15	19:00:00	81.6	1735.9	193.0	1928.9	Shut-in
03/08/15	20:00:00	81.9	1733.7	193.0	1926.7	Shut-in
03/08/15	21:00:00	82.1	1734.3	193.0	1927.3	Shut-in
03/08/15	22:00:00	82.4	1734.7	193.0	1927.7	Shut-in
03/08/15	23:00:00	82.6	1735.1	193.0	1928.1	Shut-in
03/09/15	00:00:00	82.9	1735.4	193.0	1928.4	Shut-in
03/09/15	01:00:00	83.1	1735.5	193.0	1928.5	Shut-in
03/09/15	02:00:00	83.4	1735.6	193.0	1928.6	Shut-in
03/09/15	03:00:00	83.6	1735.9	193.0	1928.9	Shut-in
03/09/15	04:00:00	83.9	1736.0	193.0	1929.0	Shut-in
03/09/15	05:00:00	84.1	1738.6	193.0	1931.6	Shut-in
03/09/15	06:00:00	84.4	1743.0	193.0	1936.0	Shut-in
03/09/15	07:00:00	84.6	1730.2	193.0	1923.2	Shut-in
03/09/15	08:00:00	84.9	1716.6	193.0	1909.6	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/09/15	09:00:00	85.1	1712.7	193.0	1905.7	Shut-in
03/09/15	10:00:00	85.4	1756.2	193.0	1949.2	Shut-in
03/09/15	11:00:00	85.6	1744.8	193.0	1937.8	Shut-in
03/09/15	12:00:00	85.9	1740.8	193.0	1933.8	Shut-in
03/09/15	13:00:00	86.1	1741.2	193.0	1934.2	Shut-in
03/09/15	14:00:00	86.3	1741.2	193.0	1934.2	Shut-in
03/09/15	15:00:00	86.6	1741.7	193.0	1934.7	Shut-in
03/09/15	16:00:00	86.8	1741.1	193.0	1934.1	Shut-in
03/09/15	17:00:00	87.1	1740.1	193.0	1933.1	Shut-in
03/09/15	18:00:00	87.3	1741.1	193.0	1934.1	Shut-in
03/09/15	19:00:00	87.6	1737.4	193.0	1930.4	Shut-in
03/09/15	20:00:00	87.8	1735.5	193.0	1928.5	Shut-in
03/09/15	21:00:00	88.1	1736.8	193.0	1929.8	Shut-in
03/09/15	22:00:00	88.3	1737.2	193.0	1930.2	Shut-in
03/09/15	23:00:00	88.6	1737.5	193.0	1930.5	Shut-in
03/10/15	00:00:00	88.8	1737.6	193.0	1930.6	Shut-in
03/10/15	01:00:00	89.1	1737.9	193.0	1930.9	Shut-in
03/10/15	02:00:00	89.3	1738.1	193.0	1931.1	Shut-in
03/10/15	03:00:00	89.6	1738.2	193.0	1931.2	Shut-in
03/10/15	04:00:00	89.8	1738.3	193.0	1931.3	Shut-in
03/10/15	05:00:00	90.0	1731.1	193.0	1924.1	Shut-in
03/10/15	06:00:00	90.3	1724.5	193.0	1917.5	Shut-in
03/10/15	07:00:00	90.5	1717.1	193.0	1910.1	Shut-in
03/10/15	08:00:00	90.7	1714.7	193.0	1907.7	Shut-in
03/10/15	09:00:00	90.9	1717.5	193.0	1910.5	Shut-in
03/10/15	10:00:00	91.1	1735.7	193.0	1928.7	Shut-in
03/10/15	11:00:00	91.4	1748.6	193.0	1941.6	Shut-in
03/10/15	12:00:00	91.6	1743.2	193.0	1936.2	Shut-in
03/10/15	13:00:00	91.8	1742.1	193.0	1935.1	Shut-in
03/10/15	14:00:00	92.1	1742.3	193.0	1935.3	Shut-in
03/10/15	15:00:00	92.3	1742.7	193.0	1935.7	Shut-in
03/10/15	16:00:00	92.6	1740.7	193.0	1933.7	Shut-in
03/10/15	17:00:00	92.8	1738.4	193.0	1931.4	Shut-in
03/10/15	18:00:00	93.1	1739.5	193.0	1932.5	Shut-in
03/10/15	19:00:00	93.3	1739.1	193.0	1932.1	Shut-in
03/10/15	20:00:00	93.7	1739.2	193.0	1932.2	Shut-in
03/10/15	21:00:00	93.9	1739.5	193.0	1932.5	Shut-in
03/10/15	22:00:00	94.1	1739.7	193.0	1932.7	Shut-in
03/10/15	23:00:00	94.3	1739.9	193.0	1932.9	Shut-in
03/11/15	00:00:00	94.5	1740.0	193.0	1933.0	Shut-in
03/11/15	01:00:00	94.8	1740.2	193.0	1933.2	Shut-in
03/11/15	02:00:00	95.0	1740.4	193.0	1933.4	Shut-in
03/11/15	03:00:00	95.3	1741.0	193.0	1934.0	Shut-in
03/11/15	04:00:00	95.5	1741.2	193.0	1934.2	Shut-in
03/11/15	05:00:00	95.8	1741.5	193.0	1934.5	Shut-in
03/11/15	06:00:00	96.1	1740.7	193.0	1933.7	Shut-in
03/11/15	07:00:00	96.3	1740.9	193.0	1933.9	Shut-in
03/11/15	08:00:00	96.5	1741.1	193.0	1934.1	Shut-in
03/11/15	09:00:00	96.8	1741.1	193.0	1934.1	Shut-in
03/11/15	10:00:00	97.0	1741.5	193.0	1934.5	Shut-in
03/11/15	11:00:00	97.3	1743.8	193.0	1936.8	Shut-in
03/11/15	12:00:00	97.6	1744.4	193.0	1937.4	Shut-in
03/11/15	13:00:00	97.8	1744.9	193.0	1937.9	Shut-in
03/11/15	14:00:00	98.1	1745.2	193.0	1938.2	Shut-in
03/11/15	15:00:00	98.4	1745.6	193.0	1938.6	Shut-in
03/11/15	16:00:00	98.7	1745.5	193.0	1938.5	Shut-in
03/11/15	17:00:00	99.0	1745.0	193.0	1938.0	Shut-in
03/11/15	18:00:00	99.2	1743.1	193.0	1936.1	Shut-in
03/11/15	19:00:00	99.5	1741.7	193.0	1934.7	Shut-in
03/11/15	20:00:00	99.8	1743.9	193.0	1936.9	Shut-in
03/11/15	21:00:00	100.0	1741.9	193.0	1934.9	Shut-in
03/11/15	22:00:00	100.3	1742.2	193.0	1935.2	Shut-in
03/11/15	23:00:00	100.5	1742.4	193.0	1935.4	Shut-in
03/12/15	00:00:00	100.8	1742.5	193.0	1935.5	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/12/15	01:00:00	101.1	1742.8	193.0	1935.8	Shut-in
03/12/15	02:00:00	101.3	1742.9	193.0	1935.9	Shut-in
03/12/15	03:00:00	101.6	1743.0	193.0	1936.0	Shut-in
03/12/15	04:00:00	101.9	1743.2	193.0	1936.2	Shut-in
03/12/15	05:00:00	102.1	1743.2	193.0	1936.2	Shut-in
03/12/15	06:00:00	102.4	1744.7	193.0	1937.7	Shut-in
03/12/15	07:00:00	102.7	1743.1	193.0	1936.1	Shut-in
03/12/15	08:00:00	102.9	1739.2	193.0	1932.2	Shut-in
03/12/15	09:00:00	103.2	1747.2	193.0	1940.2	Shut-in
03/12/15	10:00:00	103.5	1775.9	193.0	1968.9	Shut-in
03/12/15	11:00:00	103.7	1748.3	193.0	1941.3	Shut-in
03/12/15	12:00:00	104.0	1748.8	193.0	1941.8	Shut-in
03/12/15	13:00:00	104.2	1749.1	193.0	1942.1	Shut-in
03/12/15	14:00:00	104.5	1748.9	193.0	1941.9	Shut-in
03/12/15	15:00:00	104.7	1748.8	193.0	1941.8	Shut-in
03/12/15	16:00:00	105.0	1748.1	193.0	1941.1	Shut-in
03/12/15	17:00:00	105.3	1746.4	193.0	1939.4	Shut-in
03/12/15	18:00:00	105.5	1744.2	193.0	1937.2	Shut-in
03/12/15	19:00:00	105.8	1745.6	193.0	1938.6	Shut-in
03/12/15	20:00:00	106.0	1744.6	193.0	1937.6	Shut-in
03/12/15	21:00:00	106.3	1744.8	193.0	1937.8	Shut-in
03/12/15	22:00:00	106.6	1745.2	193.0	1938.2	Shut-in
03/12/15	23:00:00	106.9	1745.4	193.0	1938.4	Shut-in
03/13/15	00:00:00	107.2	1745.9	193.0	1938.9	Shut-in
03/13/15	01:00:00	107.5	1746.2	193.0	1939.2	Shut-in
03/13/15	02:00:00	107.8	1745.8	193.0	1938.8	Shut-in
03/13/15	03:00:00	107.9	1745.9	193.0	1938.9	Shut-in
03/13/15	04:00:00	108.2	1746.1	193.0	1939.1	Shut-in
03/13/15	05:00:00	108.5	1746.3	193.0	1939.3	Shut-in
03/13/15	06:00:00	108.7	1746.5	193.0	1939.5	Shut-in
03/13/15	07:00:00	109.0	1747.1	193.0	1940.1	Shut-in
03/13/15	08:00:00	109.2	1749.1	193.0	1942.1	Shut-in
03/13/15	09:00:00	109.5	1749.3	193.0	1942.3	Shut-in
03/13/15	10:00:00	109.7	1751.1	193.0	1944.1	Shut-in
03/13/15	11:00:00	110.0	1751.7	193.0	1944.7	Shut-in
03/13/15	12:00:00	110.3	1752.2	193.0	1945.2	Shut-in
03/13/15	13:00:00	110.5	1750.6	193.0	1943.6	Shut-in
03/13/15	14:00:00	110.8	1751.5	193.0	1944.5	Shut-in
03/13/15	15:00:00	111.2	1750.7	193.0	1943.7	Shut-in
03/13/15	16:00:00	111.5	1748.9	193.0	1941.9	Shut-in
03/13/15	17:00:00	111.8	1747.0	193.0	1940.0	Shut-in
03/13/15	18:00:00	112.1	1748.9	193.0	1941.9	Shut-in
03/13/15	19:00:00	112.4	1746.9	193.0	1939.9	Shut-in
03/13/15	20:00:00	112.8	1747.4	193.0	1940.4	Shut-in
03/13/15	21:00:00	113.1	1747.8	193.0	1940.8	Shut-in
03/13/15	22:00:00	113.4	1748.0	193.0	1941.0	Shut-in
03/13/15	23:00:00	113.7	1748.1	193.0	1941.1	Shut-in
03/14/15	00:00:00	114.0	1748.3	193.0	1941.3	Shut-in
03/14/15	01:00:00	114.3	1748.5	193.0	1941.5	Shut-in
03/14/15	02:00:00	114.6	1748.7	193.0	1941.7	Shut-in
03/14/15	03:00:00	115.0	1748.8	193.0	1941.8	Shut-in
03/14/15	04:00:00	115.3	1748.9	193.0	1941.9	Shut-in
03/14/15	05:00:00	115.6	1749.1	193.0	1942.1	Shut-in
03/14/15	06:00:00	115.9	1749.2	193.0	1942.2	Shut-in
03/14/15	07:00:00	116.3	1749.7	193.0	1942.7	Shut-in
03/14/15	08:00:00	116.6	1751.2	193.0	1944.2	Shut-in
03/14/15	09:00:00	116.9	1752.8	193.0	1945.8	Shut-in
03/14/15	10:00:00	117.2	1750.3	193.0	1943.3	Shut-in
03/14/15	11:00:00	117.6	1753.2	193.0	1946.2	Shut-in
03/14/15	12:00:00	117.9	1753.6	193.0	1946.6	Shut-in
03/14/15	13:00:00	118.2	1753.9	193.0	1946.9	Shut-in
03/14/15	14:00:00	118.5	1753.6	193.0	1946.6	Shut-in
03/14/15	15:00:00	118.7	1753.4	193.0	1946.4	Shut-in
03/14/15	16:00:00	118.9	1750.3	193.0	1943.3	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/14/15	17:00:00	119.0	1752.4	193.0	1945.4	Shut-in
03/14/15	18:00:00	119.1	1751.1	193.0	1944.1	Shut-in
03/14/15	19:00:00	119.3	1750.2	193.0	1943.2	Shut-in
03/14/15	20:00:00	119.6	1750.7	193.0	1943.7	Shut-in
03/14/15	21:00:00	119.8	1751.1	193.0	1944.1	Shut-in
03/14/15	22:00:00	120.1	1751.3	193.0	1944.3	Shut-in
03/14/15	23:00:00	120.3	1751.3	193.0	1944.3	Shut-in
03/15/15	00:00:00	120.5	1751.7	193.0	1944.7	Shut-in
03/15/15	01:00:00	120.8	1751.6	193.0	1944.6	Shut-in
03/15/15	02:00:00	121.0	1752.3	193.0	1945.3	Shut-in
03/15/15	03:00:00	121.3	1752.5	193.0	1945.5	Shut-in
03/15/15	04:00:00	121.5	1752.7	193.0	1945.7	Shut-in
03/15/15	05:00:00	121.8	1752.5	193.0	1945.5	Shut-in
03/15/15	06:00:00	122.0	1752.3	193.0	1945.3	Shut-in
03/15/15	07:00:00	122.3	1752.6	193.0	1945.6	Shut-in
03/15/15	08:00:00	122.5	1753.3	193.0	1946.3	Shut-in
03/15/15	09:00:00	122.7	1754.8	193.0	1947.8	Shut-in
03/15/15	10:00:00	122.9	1755.7	193.0	1948.7	Shut-in
03/15/15	11:00:00	123.2	1754.5	193.0	1947.5	Shut-in
03/15/15	12:00:00	123.4	1754.9	193.0	1947.9	Shut-in
03/15/15	13:00:00	123.5	1755.6	193.0	1948.6	Shut-in
03/15/15	14:00:00	123.5	1755.0	193.0	1948.0	Shut-in
03/15/15	15:00:00	123.8	1753.8	193.0	1946.8	Shut-in
03/15/15	16:00:00	124.0	1753.4	193.0	1946.4	Shut-in
03/15/15	17:00:00	124.2	1755.2	193.0	1948.2	Shut-in
03/15/15	18:00:00	124.5	1754.6	193.0	1947.6	Shut-in
03/15/15	19:00:00	124.7	1753.8	193.0	1946.8	Shut-in
03/15/15	20:00:00	125.0	1753.6	193.0	1946.6	Shut-in
03/15/15	21:00:00	125.2	1753.8	193.0	1946.8	Shut-in
03/15/15	22:00:00	125.5	1754.6	193.0	1947.6	Shut-in
03/15/15	23:00:00	125.7	1754.8	193.0	1947.8	Shut-in
03/16/15	00:00:00	126.0	1755.1	193.0	1948.1	Shut-in
03/16/15	01:00:00	126.3	1755.1	193.0	1948.1	Shut-in
03/16/15	02:00:00	126.4	1755.4	193.0	1948.4	Shut-in
03/16/15	03:00:00	126.7	1754.5	193.0	1947.5	Shut-in
03/16/15	04:00:00	126.9	1756.0	193.0	1949.0	Shut-in
03/16/15	05:00:00	127.2	1754.9	193.0	1947.9	Shut-in
03/16/15	06:00:00	127.4	1754.6	193.0	1947.6	Shut-in
03/16/15	07:00:00	127.7	1755.1	193.0	1948.1	Shut-in
03/16/15	08:00:00	127.9	1755.2	193.0	1948.2	Shut-in
03/16/15	09:00:00	128.2	1756.5	193.0	1949.5	Shut-in
03/16/15	10:00:00	128.4	1756.5	193.0	1949.5	Shut-in
03/16/15	11:00:00	128.7	1756.7	193.0	1949.7	Shut-in
03/16/15	12:00:00	129.0	1757.1	193.0	1950.1	Shut-in
03/16/15	13:00:00	129.2	1757.4	193.0	1950.4	Shut-in
03/16/15	14:00:00	129.4	1756.5	193.0	1949.5	Shut-in
03/16/15	15:00:00	129.8	1756.7	193.0	1949.7	Shut-in
03/16/15	16:00:00	130.0	1757.1	193.0	1950.1	Shut-in
03/16/15	17:00:00	130.3	1756.8	193.0	1949.8	Shut-in
03/16/15	18:00:00	130.7	1755.9	193.0	1948.9	Shut-in
03/16/15	19:00:00	131.0	(3)	193.0	(3)	Shut-in
03/16/15	20:00:00	131.4	(3)	193.0	(3)	Shut-in
03/16/15	21:00:00	131.7	1756.0	193.0	1949.0	Shut-in
03/16/15	22:00:00	132.0	1756.2	193.0	1949.2	Shut-in
03/16/15	23:00:00	132.4	1756.4	193.0	1949.4	Shut-in
03/17/15	00:00:00	132.7	1756.6	193.0	1949.6	Shut-in
03/17/15	01:00:00	133.1	1757.0	193.0	1950.0	Shut-in
03/17/15	02:00:00	133.4	1756.7	193.0	1949.7	Shut-in
03/17/15	03:00:00	133.7	1757.0	193.0	1950.0	Shut-in
03/17/15	04:00:00	134.1	1757.0	193.0	1950.0	Shut-in
03/17/15	05:00:00	134.4	1757.7	193.0	1950.7	Shut-in
03/17/15	06:00:00	134.7	1757.0	193.0	1950.0	Shut-in
03/17/15	07:00:00	135.1	1756.8	193.0	1949.8	Shut-in
03/17/15	08:00:00	135.4	1756.9	193.0	1949.9	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/17/15	09:00:00	135.8	1758.0	193.0	1951.0	Shut-in
03/17/15	10:00:00	136.1	1759.5	193.0	1952.5	Shut-in
03/17/15	11:00:00	136.4	1759.5	193.0	1952.5	Shut-in
03/17/15	12:00:00	136.8	1759.7	193.0	1952.7	Shut-in
03/17/15	13:00:00	137.1	1759.5	193.0	1952.5	Shut-in
03/17/15	14:00:00	137.4	1760.4	193.0	1953.4	Shut-in
03/17/15	15:00:00	137.8	1760.2	193.0	1953.2	Shut-in
03/17/15	16:00:00	138.1	1759.6	193.0	1952.6	Shut-in
03/17/15	17:00:00	138.4	1760.7	193.0	1953.7	Shut-in
03/17/15	18:00:00	138.8	1759.7	193.0	1952.7	Shut-in
03/17/15	19:00:00	139.1	1758.3	193.0	1951.3	Shut-in
03/17/15	20:00:00	139.4	1757.9	193.0	1950.9	Shut-in
03/17/15	21:00:00	139.8	1758.8	193.0	1951.8	Shut-in
03/17/15	22:00:00	140.1	1759.1	193.0	1952.1	Shut-in
03/17/15	23:00:00	140.5	1759.3	193.0	1952.3	Shut-in
03/18/15	00:00:00	140.8	1759.6	193.0	1952.6	Shut-in
03/18/15	01:00:00	141.1	1760.3	193.0	1953.3	Shut-in
03/18/15	02:00:00	141.5	1759.8	193.0	1952.8	Shut-in
03/18/15	03:00:00	141.8	1760.2	193.0	1953.2	Shut-in
03/18/15	04:00:00	142.1	1760.3	193.0	1953.3	Shut-in
03/18/15	05:00:00	142.5	1760.1	193.0	1953.1	Shut-in
03/18/15	06:00:00	142.8	1760.3	193.0	1953.3	Shut-in
03/18/15	07:00:00	143.1	1760.5	193.0	1953.5	Shut-in
03/18/15	08:00:00	143.3	1760.7	193.0	1953.7	Shut-in
03/18/15	09:00:00	143.5	1761.8	193.0	1954.8	Shut-in
03/18/15	10:00:00	143.7	1763.4	193.0	1956.4	Shut-in
03/18/15	11:00:00	144.0	1764.1	193.0	1957.1	Shut-in
03/18/15	12:00:00	144.2	1763.8	193.0	1956.8	Shut-in
03/18/15	13:00:00	144.5	1763.9	193.0	1956.9	Shut-in
03/18/15	14:00:00	144.7	1763.5	193.0	1956.5	Shut-in
03/18/15	15:00:00	145.0	1764.0	193.0	1957.0	Shut-in
03/18/15	16:00:00	145.3	1762.3	193.0	1955.3	Shut-in
03/18/15	17:00:00	145.5	1765.0	193.0	1958.0	Shut-in
03/18/15	18:00:00	145.8	1763.6	193.0	1956.6	Shut-in
03/18/15	19:00:00	146.0	1761.7	193.0	1954.7	Shut-in
03/18/15	20:00:00	146.3	1761.5	193.0	1954.5	Shut-in
03/18/15	21:00:00	146.5	1761.8	193.0	1954.8	Shut-in
03/18/15	22:00:00	146.8	1762.5	193.0	1955.5	Shut-in
03/18/15	23:00:00	147.1	1762.8	193.0	1955.8	Shut-in
03/19/15	00:00:00	147.3	1763.2	193.0	1956.2	Shut-in
03/19/15	01:00:00	147.6	1764.1	193.0	1957.1	Shut-in
03/19/15	02:00:00	147.9	1763.5	193.0	1956.5	Shut-in
03/19/15	03:00:00	148.1	1763.1	193.0	1956.1	Shut-in
03/19/15	04:00:00	148.4	1763.3	193.0	1956.3	Shut-in
03/19/15	05:00:00	148.7	1764.1	193.0	1957.1	Shut-in
03/19/15	06:00:00	148.9	1764.1	193.0	1957.1	Shut-in
03/19/15	07:00:00	149.2	1763.4	193.0	1956.4	Shut-in
03/19/15	08:00:00	149.4	1763.1	193.0	1956.1	Shut-in
03/19/15	09:00:00	149.5	1764.6	193.0	1957.6	Shut-in
03/19/15	10:00:00	149.7	1797.2	193.0	1990.2	Shut-in
03/19/15	11:00:00	149.9	1767.5	193.0	1960.5	Shut-in
03/19/15	12:00:00	150.1	1767.9	193.0	1960.9	Shut-in
03/19/15	13:00:00	150.4	1767.5	193.0	1960.5	Shut-in
03/19/15	14:00:00	150.6	1767.2	193.0	1960.2	Shut-in
03/19/15	15:00:00	150.9	1767.4	193.0	1960.4	Shut-in
03/19/15	16:00:00	151.1	1764.9	193.0	1957.9	Shut-in
03/19/15	17:00:00	151.3	1765.7	193.0	1958.7	Shut-in
03/19/15	18:00:00	151.5	1765.2	193.0	1958.2	Shut-in
03/19/15	19:00:00	151.8	1764.2	193.0	1957.2	Shut-in
03/19/15	20:00:00	152.0	1763.6	193.0	1956.6	Shut-in
03/19/15	21:00:00	152.3	1763.9	193.0	1956.9	Shut-in
03/19/15	22:00:00	152.6	1764.4	193.0	1957.4	Shut-in
03/19/15	23:00:00	152.8	1764.6	193.0	1957.6	Shut-in
03/20/15	00:00:00	153.1	1764.7	193.0	1957.7	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/20/15	01:00:00	153.3	1764.9	193.0	1957.9	Shut-in
03/20/15	02:00:00	153.5	1765.3	193.0	1958.3	Shut-in
03/20/15	03:00:00	153.8	1765.2	193.0	1958.2	Shut-in
03/20/15	04:00:00	154.0	1765.3	193.0	1958.3	Shut-in
03/20/15	05:00:00	154.3	1765.5	193.0	1958.5	Shut-in
03/20/15	06:00:00	154.6	1765.6	193.0	1958.6	Shut-in
03/20/15	07:00:00	154.8	1765.6	193.0	1958.6	Shut-in
03/20/15	08:00:00	155.1	1765.3	193.0	1958.3	Shut-in
03/20/15	09:00:00	155.4	1774.2	193.0	1967.2	Shut-in
03/20/15	10:00:00	155.6	1811.3	193.0	2004.3	Shut-in
03/20/15	11:00:00	155.9	1769.3	193.0	1962.3	Shut-in
03/20/15	12:00:00	156.1	1769.6	193.0	1962.6	Shut-in
03/20/15	13:00:00	156.3	1769.6	193.0	1962.6	Shut-in
03/20/15	14:00:00	156.6	1768.9	193.0	1961.9	Shut-in
03/20/15	15:00:00	156.8	1766.7	193.0	1959.7	Shut-in
03/20/15	16:00:00	157.1	1767.7	193.0	1960.7	Shut-in
03/20/15	17:00:00	157.4	1767.3	193.0	1960.3	Shut-in
03/20/15	18:00:00	157.6	1766.7	193.0	1959.7	Shut-in
03/20/15	19:00:00	157.9	1766.9	193.0	1959.9	Shut-in
03/20/15	20:00:00	158.2	1766.6	193.0	1959.6	Shut-in
03/20/15	21:00:00	158.4	1767.0	193.0	1960.0	Shut-in
03/20/15	22:00:00	158.7	1767.3	193.0	1960.3	Shut-in
03/20/15	23:00:00	159.0	1767.1	193.0	1960.1	Shut-in
03/21/15	00:00:00	159.2	1768.0	193.0	1961.0	Shut-in
03/21/15	01:00:00	159.5	1768.7	193.0	1961.7	Shut-in
03/21/15	02:00:00	159.8	1768.0	193.0	1961.0	Shut-in
03/21/15	03:00:00	160.0	1768.9	193.0	1961.9	Shut-in
03/21/15	04:00:00	160.3	1769.6	193.0	1962.6	Shut-in
03/21/15	05:00:00	160.6	1768.7	193.0	1961.7	Shut-in
03/21/15	06:00:00	160.8	1767.9	193.0	1960.9	Shut-in
03/21/15	07:00:00	161.1	1767.9	193.0	1960.9	Shut-in
03/21/15	08:00:00	161.4	1769.2	193.0	1962.2	Shut-in
03/21/15	09:00:00	161.6	1769.9	193.0	1962.9	Shut-in
03/21/15	10:00:00	161.9	1770.9	193.0	1963.9	Shut-in
03/21/15	11:00:00	162.1	1771.6	193.0	1964.6	Shut-in
03/21/15	12:00:00	162.4	1771.6	193.0	1964.6	Shut-in
03/21/15	13:00:00	162.7	1771.9	193.0	1964.9	Shut-in
03/21/15	14:00:00	162.9	1771.4	193.0	1964.4	Shut-in
03/21/15	15:00:00	163.2	1771.1	193.0	1964.1	Shut-in
03/21/15	16:00:00	163.5	1770.6	193.0	1963.6	Shut-in
03/21/15	17:00:00	163.7	1770.2	193.0	1963.2	Shut-in
03/21/15	18:00:00	164.0	1770.1	193.0	1963.1	Shut-in
03/21/15	19:00:00	164.2	1769.1	193.0	1962.1	Shut-in
03/21/15	20:00:00	164.5	1768.5	193.0	1961.5	Shut-in
03/21/15	21:00:00	164.8	1768.7	193.0	1961.7	Shut-in
03/21/15	22:00:00	165.0	1768.9	193.0	1961.9	Shut-in
03/21/15	23:00:00	165.3	1769.2	193.0	1962.2	Shut-in
03/22/15	00:00:00	165.6	1769.5	193.0	1962.5	Shut-in
03/22/15	01:00:00	165.8	1770.2	193.0	1963.2	Shut-in
03/22/15	02:00:00	166.1	1770.5	193.0	1963.5	Shut-in
03/22/15	03:00:00	166.4	1769.9	193.0	1962.9	Shut-in
03/22/15	04:00:00	166.6	1770.4	193.0	1963.4	Shut-in
03/22/15	05:00:00	166.9	1771.5	193.0	1964.5	Shut-in
03/22/15	06:00:00	167.2	1770.2	193.0	1963.2	Shut-in
03/22/15	07:00:00	167.4	1770.3	193.0	1963.3	Shut-in
03/22/15	08:00:00	167.7	1770.5	193.0	1963.5	Shut-in
03/22/15	09:00:00	168.0	1771.2	193.0	1964.2	Shut-in
03/22/15	10:00:00	168.3	1773.4	193.0	1966.4	Shut-in
03/22/15	11:00:00	168.5	1774.0	193.0	1967.0	Shut-in
03/22/15	12:00:00	168.8	1772.4	193.0	1965.4	Shut-in
03/22/15	13:00:00	169.1	1771.4	193.0	1964.4	Shut-in
03/22/15	14:00:00	169.3	1773.2	193.0	1966.2	Shut-in
03/22/15	15:00:00	169.6	1772.4	193.0	1965.4	Shut-in
03/22/15	16:00:00	169.8	1774.1	193.0	1967.1	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/22/15	17:00:00	170.1	1772.1	193.0	1965.1	Shut-in
03/22/15	18:00:00	170.4	1773.1	193.0	1966.1	Shut-in
03/22/15	19:00:00	170.6	1772.2	193.0	1965.2	Shut-in
03/22/15	20:00:00	170.9	1771.4	193.0	1964.4	Shut-in
03/22/15	21:00:00	171.2	1771.3	193.0	1964.3	Shut-in
03/22/15	22:00:00	171.4	1771.5	193.0	1964.5	Shut-in
03/22/15	23:00:00	171.7	1772.0	193.0	1965.0	Shut-in
03/23/15	00:00:00	172.0	1772.1	193.0	1965.1	Shut-in
03/23/15	01:00:00	172.2	1773.0	193.0	1966.0	Shut-in
03/23/15	02:00:00	172.5	1772.2	193.0	1965.2	Shut-in
03/23/15	03:00:00	172.8	1772.3	193.0	1965.3	Shut-in
03/23/15	04:00:00	173.0	1773.1	193.0	1966.1	Shut-in
03/23/15	05:00:00	173.3	1772.6	193.0	1965.6	Shut-in
03/23/15	06:00:00	173.6	1772.8	193.0	1965.8	Shut-in
03/23/15	07:00:00	173.8	1772.8	193.0	1965.8	Shut-in
03/23/15	08:00:00	174.1	1773.2	193.0	1966.2	Shut-in
03/23/15	09:00:00	174.3	1774.8	193.0	1967.8	Shut-in
03/23/15	10:00:00	174.6	1775.3	193.0	1968.3	Shut-in
03/23/15	11:00:00	174.9	1775.5	193.0	1968.5	Shut-in
03/23/15	12:00:00	175.2	1775.5	193.0	1968.5	Shut-in
03/23/15	13:00:00	175.4	1776.8	193.0	1969.8	Shut-in
03/23/15	14:00:00	175.7	1774.6	193.0	1967.6	Shut-in
03/23/15	15:00:00	176.0	1776.7	193.0	1969.7	Shut-in
03/23/15	16:00:00	176.2	1774.9	193.0	1967.9	Shut-in
03/23/15	17:00:00	176.5	1776.2	193.0	1969.2	Shut-in
03/23/15	18:00:00	176.8	1774.0	193.0	1967.0	Shut-in
03/23/15	19:00:00	177.0	1773.7	193.0	1966.7	Shut-in
03/23/15	20:00:00	177.3	1774.0	193.0	1967.0	Shut-in
03/23/15	21:00:00	177.6	1774.1	193.0	1967.1	Shut-in
03/23/15	22:00:00	177.9	1774.3	193.0	1967.3	Shut-in
03/23/15	23:00:00	178.1	1774.4	193.0	1967.4	Shut-in
03/24/15	00:00:00	178.4	1774.6	193.0	1967.6	Shut-in
03/24/15	01:00:00	178.7	1774.8	193.0	1967.8	Shut-in
03/24/15	02:00:00	178.9	1775.0	193.0	1968.0	Shut-in
03/24/15	03:00:00	179.2	1774.9	193.0	1967.9	Shut-in
03/24/15	04:00:00	179.5	1775.2	193.0	1968.2	Shut-in
03/24/15	05:00:00	179.7	1776.0	193.0	1969.0	Shut-in
03/24/15	06:00:00	180.0	1777.2	193.0	1970.2	Shut-in
03/24/15	07:00:00	180.3	1777.1	193.0	1970.1	Shut-in
03/24/15	08:00:00	180.5	1776.1	193.0	1969.1	Shut-in
03/24/15	09:00:00	180.8	1777.7	193.0	1970.7	Shut-in
03/24/15	10:00:00	181.1	1777.9	193.0	1970.9	Shut-in
03/24/15	11:00:00	181.3	1777.8	193.0	1970.8	Shut-in
03/24/15	12:00:00	181.6	1777.7	193.0	1970.7	Shut-in
03/24/15	13:00:00	181.9	1778.3	193.0	1971.3	Shut-in
03/24/15	14:00:00	182.1	1777.6	193.0	1970.6	Shut-in
03/24/15	15:00:00	182.4	1778.9	193.0	1971.9	Shut-in
03/24/15	16:00:00	182.7	1778.6	193.0	1971.6	Shut-in
03/24/15	17:00:00	182.9	1777.1	193.0	1970.1	Shut-in
03/24/15	18:00:00	183.2	1778.3	193.0	1971.3	Shut-in
03/24/15	19:00:00	183.5	1776.2	193.0	1969.2	Shut-in
03/24/15	20:00:00	183.7	1776.3	193.0	1969.3	Shut-in
03/24/15	21:00:00	183.9	1776.6	193.0	1969.6	Shut-in
03/24/15	22:00:00	184.2	1776.8	193.0	1969.8	Shut-in
03/24/15	23:00:00	184.5	1777.0	193.0	1970.0	Shut-in
03/25/15	00:00:00	184.7	1777.5	193.0	1970.5	Shut-in
03/25/15	01:00:00	185.0	1777.3	193.0	1970.3	Shut-in
03/25/15	02:00:00	185.3	1777.7	193.0	1970.7	Shut-in
03/25/15	03:00:00	185.5	1777.8	193.0	1970.8	Shut-in
03/25/15	04:00:00	185.8	1778.1	193.0	1971.1	Shut-in
03/25/15	05:00:00	186.1	1779.3	193.0	1972.3	Shut-in
03/25/15	06:00:00	186.3	1778.5	193.0	1971.5	Shut-in
03/25/15	07:00:00	186.6	1777.9	193.0	1970.9	Shut-in
03/25/15	08:00:00	186.8	1778.1	193.0	1971.1	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/25/15	09:00:00	187.1	1779.9	193.0	1972.9	Shut-in
03/25/15	10:00:00	187.3	1780.7	193.0	1973.7	Shut-in
03/25/15	11:00:00	187.3	1782.0	193.0	1975.0	Shut-in
03/25/15	12:00:00	187.3	1782.6	193.0	1975.6	Shut-in
03/25/15	13:00:00	187.3	1780.9	193.0	1973.9	Shut-in
03/25/15	14:00:00	187.3	1782.8	193.0	1975.8	Shut-in
03/25/15	15:00:00	187.3	1780.8	193.0	1973.8	Shut-in
03/25/15	16:00:00	187.3	1782.3	193.0	1975.3	Shut-in
03/25/15	17:00:00	187.4	1781.1	193.0	1974.1	Shut-in
03/25/15	18:00:00	187.5	1780.4	193.0	1973.4	Shut-in
03/25/15	19:00:00	187.5	1783.7	193.0	1976.7	Shut-in
03/25/15	20:00:00	187.6	1778.8	193.0	1971.8	Shut-in
03/25/15	21:00:00	187.8	1778.6	193.0	1971.6	Shut-in
03/25/15	22:00:00	188.2	1778.9	193.0	1971.9	Shut-in
03/25/15	23:00:00	188.6	1779.0	193.0	1972.0	Shut-in
03/26/15	00:00:00	189.0	1779.1	193.0	1972.1	Shut-in
03/26/15	01:00:00	189.4	1779.2	193.0	1972.2	Shut-in
03/26/15	02:00:00	189.8	1779.3	193.0	1972.3	Shut-in
03/26/15	03:00:00	190.2	1779.3	193.0	1972.3	Shut-in
03/26/15	04:00:00	190.6	1779.5	193.0	1972.5	Shut-in
03/26/15	05:00:00	191.0	1779.4	193.0	1972.4	Shut-in
03/26/15	06:00:00	191.4	1779.5	193.0	1972.5	Shut-in
03/26/15	07:00:00	191.8	1777.9	193.0	1970.9	Shut-in
03/26/15	08:00:00	192.2	1775.1	193.0	1968.1	Shut-in
03/26/15	09:00:00	192.7	1783.2	193.0	1976.2	Shut-in
03/26/15	10:00:00	193.0	1789.2	193.0	1982.2	Shut-in
03/26/15	11:00:00	193.3	1783.6	193.0	1976.6	Shut-in
03/26/15	12:00:00	193.7	1783.7	193.0	1976.7	Shut-in
03/26/15	13:00:00	194.1	1783.4	193.0	1976.4	Shut-in
03/26/15	14:00:00	194.4	1783.5	193.0	1976.5	Shut-in
03/26/15	15:00:00	194.8	1783.4	193.0	1976.4	Shut-in
03/26/15	16:00:00	195.2	1782.6	193.0	1975.6	Shut-in
03/26/15	17:00:00	195.6	1783.9	193.0	1976.9	Shut-in
03/26/15	18:00:00	196.0	1783.8	193.0	1976.8	Shut-in
03/26/15	19:00:00	196.4	1780.5	193.0	1973.5	Shut-in
03/26/15	20:00:00	196.8	1780.7	193.0	1973.7	Shut-in
03/26/15	21:00:00	197.2	1781.7	193.0	1974.7	Shut-in
03/26/15	22:00:00	197.6	1782.0	193.0	1975.0	Shut-in
03/26/15	23:00:00	198.0	1782.4	193.0	1975.4	Shut-in
03/27/15	00:00:00	198.4	1782.7	193.0	1975.7	Shut-in
03/27/15	01:00:00	198.8	1782.8	193.0	1975.8	Shut-in
03/27/15	02:00:00	199.2	1783.0	193.0	1976.0	Shut-in
03/27/15	03:00:00	199.6	1783.1	193.0	1976.1	Shut-in
03/27/15	04:00:00	200.0	1783.3	193.0	1976.3	Shut-in
03/27/15	05:00:00	200.4	1783.5	193.0	1976.5	Shut-in
03/27/15	06:00:00	200.9	1783.7	193.0	1976.7	Shut-in
03/27/15	07:00:00	201.3	1783.9	193.0	1976.9	Shut-in
03/27/15	08:00:00	201.7	1784.0	193.0	1977.0	Shut-in
03/27/15	09:00:00	202.1	1784.9	193.0	1977.9	Shut-in
03/27/15	10:00:00	202.5	1785.8	193.0	1978.8	Shut-in
03/27/15	11:00:00	202.9	1786.5	193.0	1979.5	Shut-in
03/27/15	12:00:00	203.3	1787.2	193.0	1980.2	Shut-in
03/27/15	13:00:00	203.8	1787.2	193.0	1980.2	Shut-in
03/27/15	14:00:00	204.1	1786.1	193.0	1979.1	Shut-in
03/27/15	15:00:00	204.5	1786.5	193.0	1979.5	Shut-in
03/27/15	16:00:00	204.9	1787.5	193.0	1980.5	Shut-in
03/27/15	17:00:00	205.3	1786.0	193.0	1979.0	Shut-in
03/27/15	18:00:00	205.7	1784.6	193.0	1977.6	Shut-in
03/27/15	19:00:00	206.2	1784.7	193.0	1977.7	Shut-in
03/27/15	20:00:00	206.6	1784.9	193.0	1977.9	Shut-in
03/27/15	21:00:00	207.0	1785.3	193.0	1978.3	Shut-in
03/27/15	22:00:00	207.4	1785.8	193.0	1978.8	Shut-in
03/27/15	23:00:00	207.8	1786.0	193.0	1979.0	Shut-in
03/28/15	00:00:00	208.2	1785.8	193.0	1978.8	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/28/15	01:00:00	208.6	1786.6	193.0	1979.6	Shut-in
03/28/15	02:00:00	209.1	1787.0	193.0	1980.0	Shut-in
03/28/15	03:00:00	209.5	1788.0	193.0	1981.0	Shut-in
03/28/15	04:00:00	209.9	1787.8	193.0	1980.8	Shut-in
03/28/15	05:00:00	210.3	1787.1	193.0	1980.1	Shut-in
03/28/15	06:00:00	210.7	1787.8	193.0	1980.8	Shut-in
03/28/15	07:00:00	211.2	1787.9	193.0	1980.9	Shut-in
03/28/15	08:00:00	211.6	1787.3	193.0	1980.3	Shut-in
03/28/15	09:00:00	212.0	1789.2	193.0	1982.2	Shut-in
03/28/15	10:00:00	212.4	1789.3	193.0	1982.3	Shut-in
03/28/15	11:00:00	212.8	1790.2	193.0	1983.2	Shut-in
03/28/15	12:00:00	213.2	1790.4	193.0	1983.4	Shut-in
03/28/15	13:00:00	213.7	1791.1	193.0	1984.1	Shut-in
03/28/15	14:00:00	214.1	1791.9	193.0	1984.9	Shut-in
03/28/15	15:00:00	214.5	1790.6	193.0	1983.6	Shut-in
03/28/15	16:00:00	214.9	1792.3	193.0	1985.3	Shut-in
03/28/15	17:00:00	215.3	1792.6	193.0	1985.6	Shut-in
03/28/15	18:00:00	215.7	1791.4	193.0	1984.4	Shut-in
03/28/15	19:00:00	216.1	1788.8	193.0	1981.8	Shut-in
03/28/15	20:00:00	216.5	1789.6	193.0	1982.6	Shut-in
03/28/15	21:00:00	216.9	1789.6	193.0	1982.6	Shut-in
03/28/15	22:00:00	217.0	1790.0	193.0	1983.0	Shut-in
03/28/15	23:00:00	217.3	1790.2	193.0	1983.2	Shut-in
03/29/15	00:00:00	217.6	1790.4	193.0	1983.4	Shut-in
03/29/15	01:00:00	217.9	1790.8	193.0	1983.8	Shut-in
03/29/15	02:00:00	218.3	1791.9	193.0	1984.9	Shut-in
03/29/15	03:00:00	218.6	1791.6	193.0	1984.6	Shut-in
03/29/15	04:00:00	219.0	1791.1	193.0	1984.1	Shut-in
03/29/15	05:00:00	219.3	1791.6	193.0	1984.6	Shut-in
03/29/15	06:00:00	219.6	1792.7	193.0	1985.7	Shut-in
03/29/15	07:00:00	220.0	1792.0	193.0	1985.0	Shut-in
03/29/15	08:00:00	220.3	1792.1	193.0	1985.1	Shut-in
03/29/15	09:00:00	220.7	1793.7	193.0	1986.7	Shut-in
03/29/15	10:00:00	221.0	1794.3	193.0	1987.3	Shut-in
03/29/15	11:00:00	221.3	1794.8	193.0	1987.8	Shut-in
03/29/15	12:00:00	221.7	1795.4	193.0	1988.4	Shut-in
03/29/15	13:00:00	222.0	1795.8	193.0	1988.8	Shut-in
03/29/15	14:00:00	222.3	1796.2	193.0	1989.2	Shut-in
03/29/15	15:00:00	222.7	1796.3	193.0	1989.3	Shut-in
03/29/15	16:00:00	223.0	1795.5	193.0	1988.5	Shut-in
03/29/15	17:00:00	223.3	1796.9	193.0	1989.9	Shut-in
03/29/15	18:00:00	223.7	1795.1	193.0	1988.1	Shut-in
03/29/15	19:00:00	224.0	1793.2	193.0	1986.2	Shut-in
03/29/15	20:00:00	224.3	1793.0	193.0	1986.0	Shut-in
03/29/15	21:00:00	224.7	1793.5	193.0	1986.5	Shut-in
03/29/15	22:00:00	225.0	1793.6	193.0	1986.6	Shut-in
03/29/15	23:00:00	225.4	1793.8	193.0	1986.8	Shut-in
03/30/15	00:00:00	225.7	1794.0	193.0	1987.0	Shut-in
03/30/15	01:00:00	226.1	1794.1	193.0	1987.1	Shut-in
03/30/15	02:00:00	226.4	1794.3	193.0	1987.3	Shut-in
03/30/15	03:00:00	226.7	1794.8	193.0	1987.8	Shut-in
03/30/15	04:00:00	227.1	1795.0	193.0	1988.0	Shut-in
03/30/15	05:00:00	227.4	1795.0	193.0	1988.0	Shut-in
03/30/15	06:00:00	227.8	1795.7	193.0	1988.7	Shut-in
03/30/15	07:00:00	228.1	1795.7	193.0	1988.7	Shut-in
03/30/15	08:00:00	228.5	1795.9	193.0	1988.9	Shut-in
03/30/15	09:00:00	228.8	1797.0	193.0	1990.0	Shut-in
03/30/15	10:00:00	229.1	1797.6	193.0	1990.6	Shut-in
03/30/15	11:00:00	229.5	1798.2	193.0	1991.2	Shut-in
03/30/15	12:00:00	229.9	1798.1	193.0	1991.1	Shut-in
03/30/15	13:00:00	230.3	1799.3	193.0	1992.3	Shut-in
03/30/15	14:00:00	230.7	1799.0	193.0	1992.0	Shut-in
03/30/15	15:00:00	231.1	1798.5	193.0	1991.5	Shut-in
03/30/15	16:00:00	231.5	1798.2	193.0	1991.2	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/30/15	17:00:00	232.0	1797.5	193.0	1990.5	Shut-in
03/30/15	18:00:00	232.4	1796.3	193.0	1989.3	Shut-in
03/30/15	19:00:00	232.8	1796.7	193.0	1989.7	Shut-in
03/30/15	20:00:00	233.2	1796.7	193.0	1989.7	Shut-in
03/30/15	21:00:00	233.6	1796.8	193.0	1989.8	Shut-in
03/30/15	22:00:00	234.0	1797.0	193.0	1990.0	Shut-in
03/30/15	23:00:00	234.3	1797.2	193.0	1990.2	Shut-in
03/31/15	00:00:00	234.7	1798.6	193.0	1991.6	Shut-in
03/31/15	01:00:00	235.0	1798.0	193.0	1991.0	Shut-in
03/31/15	02:00:00	235.4	1799.0	193.0	1992.0	Shut-in
03/31/15	03:00:00	235.8	1799.1	193.0	1992.1	Shut-in
03/31/15	04:00:00	236.1	1798.5	193.0	1991.5	Shut-in
03/31/15	05:00:00	236.5	1798.5	193.0	1991.5	Shut-in
03/31/15	06:00:00	236.8	1798.5	193.0	1991.5	Shut-in
03/31/15	07:00:00	237.2	1798.9	193.0	1991.9	Shut-in
03/31/15	08:00:00	237.5	1799.2	193.0	1992.2	Shut-in
03/31/15	09:00:00	237.9	1800.8	193.0	1993.8	Shut-in
03/31/15	10:00:00	238.2	1801.2	193.0	1994.2	Shut-in
03/31/15	11:00:00	238.6	1801.5	193.0	1994.5	Shut-in
03/31/15	12:00:00	238.9	1801.6	193.0	1994.6	Shut-in
03/31/15	13:00:00	239.3	1802.0	193.0	1995.0	Shut-in
03/31/15	14:00:00	239.6	1801.8	193.0	1994.8	Shut-in
03/31/15	15:00:00	240.0	1801.8	193.0	1994.8	Shut-in
03/31/15	16:00:00	240.3	1802.0	193.0	1995.0	Shut-in
03/31/15	17:00:00	240.7	1802.0	193.0	1995.0	Shut-in
03/31/15	18:00:00	241.0	1800.9	193.0	1993.9	Shut-in
03/31/15	19:00:00	241.4	1800.7	193.0	1993.7	Shut-in
03/31/15	20:00:00	241.7	1800.4	193.0	1993.4	Shut-in
03/31/15	21:00:00	242.1	1800.5	193.0	1993.5	Shut-in
03/31/15	22:00:00	242.4	1800.7	193.0	1993.7	Shut-in
03/31/15	23:00:00	242.8	1800.8	193.0	1993.8	Shut-in
04/01/15	00:00:00	243.2	1801.4	193.0	1994.4	Shut-in
04/01/15	01:00:00	243.5	1802.3	193.0	1995.3	Shut-in
04/01/15	02:00:00	243.9	1802.0	193.0	1995.0	Shut-in
04/01/15	03:00:00	244.2	1802.3	193.0	1995.3	Shut-in
04/01/15	04:00:00	244.6	1801.7	193.0	1994.7	Shut-in
04/01/15	05:00:00	245.0	1802.0	193.0	1995.0	Shut-in
04/01/15	06:00:00	245.3	1802.9	193.0	1995.9	Shut-in
04/01/15	07:00:00	245.7	1802.8	193.0	1995.8	Shut-in
04/01/15	08:00:00	245.7	1804.5	193.0	1997.5	Shut-in
04/01/15	09:00:00	245.7	1823.1	193.0	2016.1	Shut-in
04/01/15	10:00:00	245.7	1847.2	193.0	2040.2	Shut-in
04/01/15	11:00:00	245.7	1804.5	193.0	1997.5	Shut-in
04/01/15	12:00:00	245.7	1805.2	193.0	1998.2	Shut-in
04/01/15	13:00:00	245.7	1804.7	193.0	1997.7	Shut-in
04/01/15	14:00:00	245.7	1805.3	193.0	1998.3	Shut-in
04/01/15	15:00:00	245.7	1805.1	193.0	1998.1	Shut-in
04/01/15	16:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/01/15	17:00:00	245.7	1804.2	193.0	1997.2	Shut-in
04/01/15	18:00:00	245.7	1805.6	193.0	1998.6	Shut-in
04/01/15	19:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/01/15	20:00:00	245.7	1803.5	193.0	1996.5	Shut-in
04/01/15	21:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/01/15	22:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/01/15	23:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/02/15	00:00:00	245.7	1804.7	193.0	1997.7	Shut-in
04/02/15	01:00:00	245.7	1803.9	193.0	1996.9	Shut-in
04/02/15	02:00:00	245.7	1804.2	193.0	1997.2	Shut-in
04/02/15	03:00:00	245.7	1804.0	193.0	1997.0	Shut-in
04/02/15	04:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	05:00:00	245.7	1804.5	193.0	1997.5	Shut-in
04/02/15	06:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/02/15	07:00:00	245.7	1804.9	193.0	1997.9	Shut-in
04/02/15	08:00:00	245.7	1803.8	193.0	1996.8	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/02/15	09:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	10:00:00	245.7	1805.7	193.0	1998.7	Shut-in
04/02/15	11:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	12:00:00	245.7	1806.0	193.0	1999.0	Shut-in
04/02/15	13:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	14:00:00	245.7	1805.5	193.0	1998.5	Shut-in
04/02/15	15:00:00	245.7	1805.1	193.0	1998.1	Shut-in
04/02/15	16:00:00	245.7	1805.3	193.0	1998.3	Shut-in
04/02/15	17:00:00	245.7	1805.3	193.0	1998.3	Shut-in
04/02/15	18:00:00	245.7	1805.1	193.0	1998.1	Shut-in
04/02/15	19:00:00	245.7	1803.0	193.0	1996.0	Shut-in
04/02/15	20:00:00	245.7	1802.9	193.0	1995.9	Shut-in
04/02/15	21:00:00	245.7	1803.2	193.0	1996.2	Shut-in
04/02/15	22:00:00	245.7	1803.2	193.0	1996.2	Shut-in
04/02/15	23:00:00	245.7	1803.1	193.0	1996.1	Shut-in
04/03/15	00:00:00	245.7	1803.4	193.0	1996.4	Shut-in
04/03/15	01:00:00	245.7	1802.8	193.0	1995.8	Shut-in
04/03/15	02:00:00	245.7	1802.8	193.0	1995.8	Shut-in
04/03/15	03:00:00	245.7	1803.4	193.0	1996.4	Shut-in
04/03/15	04:00:00	245.7	1803.1	193.0	1996.1	Shut-in
04/03/15	05:00:00	245.7	1802.6	193.0	1995.6	Shut-in
04/03/15	06:00:00	245.7	1803.4	193.0	1996.4	Shut-in
04/03/15	07:00:00	245.7	1802.9	193.0	1995.9	Shut-in
04/03/15	08:00:00	245.7	1802.7	193.0	1995.7	Shut-in
04/03/15	09:00:00	245.7	1804.0	193.0	1997.0	Shut-in
04/03/15	10:00:00	245.6	1804.1	193.0	1997.1	Shut-in
04/03/15	11:00:00	246.0	1804.4	193.0	1997.4	Shut-in
04/03/15	12:00:00	246.4	1804.8	193.0	1997.8	Shut-in
04/03/15	13:00:00	246.8	1804.3	193.0	1997.3	Shut-in
04/03/15	14:00:00	247.2	1804.5	193.0	1997.5	Shut-in
04/03/15	15:00:00	247.6	1804.5	193.0	1997.5	Shut-in
04/03/15	16:00:00	248.0	1804.0	193.0	1997.0	Shut-in
04/03/15	17:00:00	248.3	1804.0	193.0	1997.0	Shut-in
04/03/15	18:00:00	248.7	1802.3	193.0	1995.3	Shut-in
04/03/15	19:00:00	249.1	1801.4	193.0	1994.4	Shut-in
04/03/15	20:00:00	249.5	1801.4	193.0	1994.4	Shut-in
04/03/15	21:00:00	250.0	1801.5	193.0	1994.5	Shut-in
04/03/15	22:00:00	250.4	1801.6	193.0	1994.6	Shut-in
04/03/15	23:00:00	250.8	1801.7	193.0	1994.7	Shut-in
04/04/15	00:00:00	251.2	1801.7	193.0	1994.7	Shut-in
04/04/15	01:00:00	251.6	1801.8	193.0	1994.8	Shut-in
04/04/15	02:00:00	252.1	1802.1	193.0	1995.1	Shut-in
04/04/15	03:00:00	252.5	1803.1	193.0	1996.1	Shut-in
04/04/15	04:00:00	252.9	1802.7	193.0	1995.7	Shut-in
04/04/15	05:00:00	253.3	1803.2	193.0	1996.2	Shut-in
04/04/15	06:00:00	253.7	1801.2	193.0	1994.2	Shut-in
04/04/15	07:00:00	254.2	1791.6	193.0	1984.6	Shut-in
04/04/15	08:00:00	254.6	1785.9	193.0	1978.9	Shut-in
04/04/15	09:00:00	255.0	1808.4	193.0	2001.4	Shut-in
04/04/15	10:00:00	255.4	1857.2	193.0	2050.2	Shut-in
04/04/15	11:00:00	255.8	1806.3	193.0	1999.3	Shut-in
04/04/15	12:00:00	256.2	1806.6	193.0	1999.6	Shut-in
04/04/15	13:00:00	256.6	1806.0	193.0	1999.0	Shut-in
04/04/15	14:00:00	257.0	1805.9	193.0	1998.9	Shut-in
04/04/15	15:00:00	257.4	1806.3	193.0	1999.3	Shut-in
04/04/15	16:00:00	257.8	1807.0	193.0	2000.0	Shut-in
04/04/15	17:00:00	258.1	1805.5	193.0	1998.5	Shut-in
04/04/15	18:00:00	258.5	1803.6	193.0	1996.6	Shut-in
04/04/15	19:00:00	258.9	1804.2	193.0	1997.2	Shut-in
04/04/15	20:00:00	259.3	1804.3	193.0	1997.3	Shut-in
04/04/15	21:00:00	259.7	1804.6	193.0	1997.6	Shut-in
04/04/15	22:00:00	260.2	1804.9	193.0	1997.9	Shut-in
04/04/15	23:00:00	260.6	1805.1	193.0	1998.1	Shut-in
04/05/15	00:00:00	261.0	1805.4	193.0	1998.4	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/05/15	01:00:00	261.4	1805.3	193.0	1998.3	Shut-in
04/05/15	02:00:00	261.8	1805.6	193.0	1998.6	Shut-in
04/05/15	03:00:00	262.2	1805.7	193.0	1998.7	Shut-in
04/05/15	04:00:00	262.7	1806.1	193.0	1999.1	Shut-in
04/05/15	05:00:00	263.1	1807.0	193.0	2000.0	Shut-in
04/05/15	06:00:00	263.5	1806.8	193.0	1999.8	Shut-in
04/05/15	07:00:00	263.9	1807.1	193.0	2000.1	Shut-in
04/05/15	08:00:00	264.3	1807.1	193.0	2000.1	Shut-in
04/05/15	09:00:00	264.7	1808.6	193.0	2001.6	Shut-in
04/05/15	10:00:00	265.1	1808.7	193.0	2001.7	Shut-in
04/05/15	11:00:00	265.6	1809.5	193.0	2002.5	Shut-in
04/05/15	12:00:00	266.0	1809.7	193.0	2002.7	Shut-in
04/05/15	13:00:00	266.4	1810.2	193.0	2003.2	Shut-in
04/05/15	14:00:00	266.8	1808.1	193.0	2001.1	Shut-in
04/05/15	15:00:00	267.2	1808.7	193.0	2001.7	Shut-in
04/05/15	16:00:00	267.6	1808.8	193.0	2001.8	Shut-in
04/05/15	17:00:00	268.0	1810.2	193.0	2003.2	Shut-in
04/05/15	18:00:00	268.4	1810.7	193.0	2003.7	Shut-in
04/05/15	19:00:00	268.9	1810.2	193.0	2003.2	Shut-in
04/05/15	20:00:00	269.3	1808.6	193.0	2001.6	Shut-in
04/05/15	21:00:00	269.7	1808.9	193.0	2001.9	Shut-in
04/05/15	22:00:00	270.1	1809.1	193.0	2002.1	Shut-in
04/05/15	23:00:00	270.5	1810.1	193.0	2003.1	Shut-in
04/06/15	00:00:00	270.9	1810.3	193.0	2003.3	Shut-in
04/06/15	01:00:00	271.3	1809.9	193.0	2002.9	Shut-in
04/06/15	02:00:00	271.7	1810.6	193.0	2003.6	Shut-in
04/06/15	03:00:00	272.2	1805.0	193.0	1998.0	Shut-in
04/06/15	04:00:00	272.6	1795.3	193.0	1988.3	Shut-in
04/06/15	05:00:00	273.0	1782.4	193.0	1975.4	Shut-in
04/06/15	06:00:00	273.4	1778.4	193.0	1971.4	Shut-in
04/06/15	07:00:00	273.8	1773.5	193.0	1966.5	Shut-in
04/06/15	08:00:00	274.2	1766.1	193.0	1959.1	Shut-in
04/06/15	09:00:00	274.7	1794.8	193.0	1987.8	Shut-in
04/06/15	10:00:00	275.1	1867.5	193.0	2060.5	Shut-in
04/06/15	11:00:00	275.5	1847.5	193.0	2040.5	Shut-in
04/06/15	12:00:00	275.9	1815.1	193.0	2008.1	Shut-in
04/06/15	13:00:00	276.3	1814.7	193.0	2007.7	Shut-in
04/06/15	14:00:00	276.7	1815.0	193.0	2008.0	Shut-in
04/06/15	15:00:00	277.1	1813.7	193.0	2006.7	Shut-in
04/06/15	16:00:00	277.5	1815.7	193.0	2008.7	Shut-in
04/06/15	17:00:00	277.9	1813.5	193.0	2006.5	Shut-in
04/06/15	18:00:00	278.3	1813.4	193.0	2006.4	Shut-in
04/06/15	19:00:00	278.7	1813.9	193.0	2006.9	Shut-in
04/06/15	20:00:00	279.1	1813.7	193.0	2006.7	Shut-in
04/06/15	21:00:00	279.5	1813.1	193.0	2006.1	Shut-in
04/06/15	22:00:00	280.0	1813.6	193.0	2006.6	Shut-in
04/06/15	23:00:00	280.4	1814.5	193.0	2007.5	Shut-in
04/07/15	00:00:00	280.8	1814.1	193.0	2007.1	Shut-in
04/07/15	01:00:00	281.2	1814.8	193.0	2007.8	Shut-in
04/07/15	02:00:00	281.6	1815.1	193.0	2008.1	Shut-in
04/07/15	03:00:00	282.0	1814.3	193.0	2007.3	Shut-in
04/07/15	04:00:00	282.5	1819.3	193.0	2012.3	Shut-in
04/07/15	05:00:00	282.9	1823.2	193.0	2016.2	Shut-in
04/07/15	06:00:00	283.3	1817.5	193.0	2010.5	Shut-in
04/07/15	07:00:00	283.7	1814.7	193.0	2007.7	Shut-in
04/07/15	08:00:00	284.1	1813.5	193.0	2006.5	Shut-in
04/07/15	09:00:00	284.5	1814.0	193.0	2007.0	Shut-in
04/07/15	10:00:00	284.9	1815.6	193.0	2008.6	Shut-in
04/07/15	11:00:00	285.3	1817.1	193.0	2010.1	Shut-in
04/07/15	12:00:00	285.8	1855.4	193.0	2048.4	Shut-in
04/07/15	13:00:00	286.2	1819.2	193.0	2012.2	Shut-in
04/07/15	14:00:00	286.6	1817.7	193.0	2010.7	Shut-in
04/07/15	15:00:00	287.0	1818.3	193.0	2011.3	Shut-in
04/07/15	16:00:00	287.4	1819.1	193.0	2012.1	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/07/15	17:00:00	287.8	1818.5	193.0	2011.5	Shut-in
04/07/15	18:00:00	288.2	1817.9	193.0	2010.9	Shut-in
04/07/15	19:00:00	288.6	1818.1	193.0	2011.1	Shut-in
04/07/15	20:00:00	289.1	1849.1	193.0	2042.1	Shut-in
04/07/15	21:00:00	289.5	1833.4	193.0	2026.4	Shut-in
04/07/15	22:00:00	289.8	1811.8	193.0	2004.8	Shut-in
04/07/15	23:00:00	290.2	1801.0	193.0	1994.0	Shut-in
04/08/15	00:00:00	290.6	1788.2	193.0	1981.2	Shut-in
04/08/15	01:00:00	291.1	1809.2	193.0	2002.2	Shut-in
04/08/15	02:00:00	291.5	1820.0	193.0	2013.0	Shut-in
04/08/15	03:00:00	291.9	1819.6	193.0	2012.6	Shut-in
04/08/15	04:00:00	292.3	1820.0	193.0	2013.0	Shut-in
04/08/15	05:00:00	292.8	1820.2	193.0	2013.2	Shut-in
04/08/15	06:00:00	293.2	1820.5	193.0	2013.5	Shut-in
04/08/15	07:00:00	293.6	1820.7	193.0	2013.7	Shut-in
04/08/15	08:00:00	294.0	1820.9	193.0	2013.9	Shut-in
04/08/15	09:00:00	294.4	1821.8	193.0	2014.8	Shut-in
04/08/15	10:00:00	294.9	1822.9	193.0	2015.9	Shut-in
04/08/15	11:00:00	295.3	1837.2	193.0	2030.2	Shut-in
04/08/15	12:00:00	295.7	1829.2	193.0	2022.2	Shut-in
04/08/15	13:00:00	296.1	1822.6	193.0	2015.6	Shut-in
04/08/15	14:00:00	296.5	1822.5	193.0	2015.5	Shut-in
04/08/15	15:00:00	296.9	1823.4	193.0	2016.4	Shut-in
04/08/15	16:00:00	297.3	1824.1	193.0	2017.1	Shut-in
04/08/15	17:00:00	297.7	1824.3	193.0	2017.3	Shut-in
04/08/15	18:00:00	298.1	1823.7	193.0	2016.7	Shut-in
04/08/15	19:00:00	298.5	1822.1	193.0	2015.1	Shut-in
04/08/15	20:00:00	298.9	1821.4	193.0	2014.4	Shut-in
04/08/15	21:00:00	299.3	1821.7	193.0	2014.7	Shut-in
04/08/15	22:00:00	299.8	1822.0	193.0	2015.0	Shut-in
04/08/15	23:00:00	300.2	1822.6	193.0	2015.6	Shut-in
04/09/15	00:00:00	300.6	1818.9	193.0	2011.9	Shut-in
04/09/15	01:00:00	301.0	1807.2	193.0	2000.2	Shut-in
04/09/15	02:00:00	301.4	1801.6	193.0	1994.6	Shut-in
04/09/15	03:00:00	301.9	1795.0	193.0	1988.0	Shut-in
04/09/15	04:00:00	302.3	1789.5	193.0	1982.5	Shut-in
04/09/15	05:00:00	302.7	1791.2	193.0	1984.2	Shut-in
04/09/15	06:00:00	303.1	1776.2	193.0	1969.2	Shut-in
04/09/15	07:00:00	303.5	1760.4	193.0	1953.4	Shut-in
04/09/15	08:00:00	304.0	1757.1	193.0	1950.1	Shut-in
04/09/15	09:00:00	304.4	1782.9	193.0	1975.9	Shut-in
04/09/15	10:00:00	304.8	1845.4	193.0	2038.4	Shut-in
04/09/15	11:00:00	305.2	1834.7	193.0	2027.7	Shut-in
04/09/15	12:00:00	305.6	1828.0	193.0	2021.0	Shut-in
04/09/15	13:00:00	306.0	1827.6	193.0	2020.6	Shut-in
04/09/15	14:00:00	306.4	1827.9	193.0	2020.9	Shut-in
04/09/15	15:00:00	306.8	1828.1	193.0	2021.1	Shut-in
04/09/15	16:00:00	307.2	1829.3	193.0	2022.3	Shut-in
04/09/15	17:00:00	307.6	1827.6	193.0	2020.6	Shut-in
04/09/15	18:00:00	308.0	1828.0	193.0	2021.0	Shut-in
04/09/15	19:00:00	308.4	1826.7	193.0	2019.7	Shut-in
04/09/15	20:00:00	308.9	1825.3	193.0	2018.3	Shut-in
04/09/15	21:00:00	309.3	1825.8	193.0	2018.8	Shut-in
04/09/15	22:00:00	309.7	1826.1	193.0	2019.1	Shut-in
04/09/15	23:00:00	310.1	1826.2	193.0	2019.2	Shut-in
04/10/15	00:00:00	310.5	1826.2	193.0	2019.2	Shut-in
04/10/15	01:00:00	310.8	1826.8	193.0	2019.8	Shut-in
04/10/15	02:00:00	311.1	1827.1	193.0	2020.1	Shut-in
04/10/15	03:00:00	311.5	1827.5	193.0	2020.5	Shut-in
04/10/15	04:00:00	311.8	1827.5	193.0	2020.5	Shut-in
04/10/15	05:00:00	312.2	1826.4	193.0	2019.4	Shut-in
04/10/15	06:00:00	312.5	1816.3	193.0	2009.3	Shut-in
04/10/15	07:00:00	312.9	1804.9	193.0	1997.9	Shut-in
04/10/15	08:00:00	313.2	1805.6	193.0	1998.6	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/10/15	09:00:00	313.5	1835.9	193.0	2028.9	Shut-in
04/10/15	10:00:00	313.9	1854.7	193.0	2047.7	Shut-in
04/10/15	11:00:00	314.2	1831.7	193.0	2024.7	Shut-in
04/10/15	12:00:00	314.5	1832.2	193.0	2025.2	Shut-in
04/10/15	13:00:00	314.9	1832.3	193.0	2025.3	Shut-in
04/10/15	14:00:00	315.2	1832.5	193.0	2025.5	Shut-in
04/10/15	15:00:00	315.5	1832.1	193.0	2025.1	Shut-in
04/10/15	16:00:00	315.9	1831.3	193.0	2024.3	Shut-in
04/10/15	17:00:00	316.2	1831.7	193.0	2024.7	Shut-in
04/10/15	18:00:00	316.5	1830.4	193.0	2023.4	Shut-in
04/10/15	19:00:00	316.9	1829.0	193.0	2022.0	Shut-in
04/10/15	20:00:00	317.2	1829.3	193.0	2022.3	Shut-in
04/10/15	21:00:00	317.5	1829.4	193.0	2022.4	Shut-in
04/10/15	22:00:00	317.9	1829.7	193.0	2022.7	Shut-in
04/10/15	23:00:00	318.2	1830.2	193.0	2023.2	Shut-in
04/11/15	00:00:00	318.6	1830.4	193.0	2023.4	Shut-in
04/11/15	01:00:00	318.9	1830.7	193.0	2023.7	Shut-in
04/11/15	02:00:00	319.3	1831.8	193.0	2024.8	Shut-in
04/11/15	03:00:00	319.6	1831.0	193.0	2024.0	Shut-in
04/11/15	04:00:00	319.9	1830.8	193.0	2023.8	Shut-in
04/11/15	05:00:00	320.3	1831.1	193.0	2024.1	Shut-in
04/11/15	06:00:00	320.6	1831.5	193.0	2024.5	Shut-in
04/11/15	07:00:00	321.0	1830.7	193.0	2023.7	Shut-in
04/11/15	08:00:00	321.3	1821.8	193.0	2014.8	Shut-in
04/11/15	09:00:00	321.7	1848.2	193.0	2041.2	Shut-in
04/11/15	10:00:00	322.0	1852.5	193.0	2045.5	Shut-in
04/11/15	11:00:00	322.3	1834.8	193.0	2027.8	Shut-in
04/11/15	12:00:00	322.7	1834.8	193.0	2027.8	Shut-in
04/11/15	13:00:00	323.0	1831.5	193.0	2024.5	Shut-in
04/11/15	14:00:00	323.3	1835.3	193.0	2028.3	Shut-in
04/11/15	15:00:00	323.6	1835.3	193.0	2028.3	Shut-in
04/11/15	16:00:00	324.0	1835.6	193.0	2028.6	Shut-in
04/11/15	17:00:00	324.3	1835.9	193.0	2028.9	Shut-in
04/11/15	18:00:00	324.6	1834.7	193.0	2027.7	Shut-in
04/11/15	19:00:00	325.0	1832.4	193.0	2025.4	Shut-in
04/11/15	20:00:00	325.3	1832.4	193.0	2025.4	Shut-in
04/11/15	21:00:00	325.6	1832.6	193.0	2025.6	Shut-in
04/11/15	22:00:00	326.0	1832.9	193.0	2025.9	Shut-in
04/11/15	23:00:00	326.3	1832.8	193.0	2025.8	Shut-in
04/12/15	00:00:00	326.7	1833.1	193.0	2026.1	Shut-in
04/12/15	01:00:00	327.0	1833.8	193.0	2026.8	Shut-in
04/12/15	02:00:00	327.3	1833.2	193.0	2026.2	Shut-in
04/12/15	03:00:00	327.7	1834.1	193.0	2027.1	Shut-in
04/12/15	04:00:00	328.0	1834.5	193.0	2027.5	Shut-in
04/12/15	05:00:00	328.4	1834.5	193.0	2027.5	Shut-in
04/12/15	06:00:00	328.7	1834.7	193.0	2027.7	Shut-in
04/12/15	07:00:00	329.1	1835.2	193.0	2028.2	Shut-in
04/12/15	08:00:00	329.4	1834.6	193.0	2027.6	Shut-in
04/12/15	09:00:00	329.5	1868.0	193.0	2061.0	Shut-in
04/12/15	10:00:00	329.7	1842.9	193.0	2035.9	Shut-in
04/12/15	11:00:00	330.0	1838.0	193.0	2031.0	Shut-in
04/12/15	12:00:00	330.3	1838.7	193.0	2031.7	Shut-in
04/12/15	13:00:00	330.6	1838.8	193.0	2031.8	Shut-in
04/12/15	14:00:00	330.9	1838.6	193.0	2031.6	Shut-in
04/12/15	15:00:00	331.2	1838.2	193.0	2031.2	Shut-in
04/12/15	16:00:00	331.5	1838.9	193.0	2031.9	Shut-in
04/12/15	17:00:00	331.8	1839.3	193.0	2032.3	Shut-in
04/12/15	18:00:00	332.2	1838.8	193.0	2031.8	Shut-in
04/12/15	19:00:00	332.5	1836.5	193.0	2029.5	Shut-in
04/12/15	20:00:00	332.8	1833.8	193.0	2026.8	Shut-in
04/12/15	21:00:00	333.2	1835.3	193.0	2028.3	Shut-in
04/12/15	22:00:00	333.5	1835.6	193.0	2028.6	Shut-in
04/12/15	23:00:00	333.8	1835.9	193.0	2028.9	Shut-in
04/13/15	00:00:00	334.2	1835.9	193.0	2028.9	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/13/15	01:00:00	334.5	1836.1	193.0	2029.1	Shut-in
04/13/15	02:00:00	334.9	1836.2	193.0	2029.2	Shut-in
04/13/15	03:00:00	335.2	1836.4	193.0	2029.4	Shut-in
04/13/15	04:00:00	335.5	1836.5	193.0	2029.5	Shut-in
04/13/15	05:00:00	335.8	1836.7	193.0	2029.7	Shut-in
04/13/15	06:00:00	336.1	1836.8	193.0	2029.8	Shut-in
04/13/15	07:00:00	336.5	1833.1	193.0	2026.1	Shut-in
04/13/15	08:00:00	336.8	1822.3	193.0	2015.3	Shut-in
04/13/15	09:00:00	337.1	1864.9	193.0	2057.9	Shut-in
04/13/15	10:00:00	337.5	1840.2	193.0	2033.2	Shut-in
04/13/15	11:00:00	337.8	1840.7	193.0	2033.7	Shut-in
04/13/15	12:00:00	338.1	1840.8	193.0	2033.8	Shut-in
04/13/15	13:00:00	338.4	1838.4	193.0	2031.4	Shut-in
04/13/15	14:00:00	338.7	1837.9	193.0	2030.9	Shut-in
04/13/15	15:00:00	339.0	1840.4	193.0	2033.4	Shut-in
04/13/15	16:00:00	339.4	1838.9	193.0	2031.9	Shut-in
04/13/15	17:00:00	339.7	1839.1	193.0	2032.1	Shut-in
04/13/15	18:00:00	340.0	1839.0	193.0	2032.0	Shut-in
04/13/15	19:00:00	340.4	1838.9	193.0	2031.9	Shut-in
04/13/15	20:00:00	340.7	1838.3	193.0	2031.3	Shut-in
04/13/15	21:00:00	341.1	1838.6	193.0	2031.6	Shut-in
04/13/15	22:00:00	341.4	1838.5	193.0	2031.5	Shut-in
04/13/15	23:00:00	341.7	1838.7	193.0	2031.7	Shut-in
04/14/15	00:00:00	342.1	1839.3	193.0	2032.3	Shut-in
04/14/15	01:00:00	342.4	1839.0	193.0	2032.0	Shut-in
04/14/15	02:00:00	342.8	1839.7	193.0	2032.7	Shut-in
04/14/15	03:00:00	343.1	1839.5	193.0	2032.5	Shut-in
04/14/15	04:00:00	343.4	1839.3	193.0	2032.3	Shut-in
04/14/15	05:00:00	343.8	1839.5	193.0	2032.5	Shut-in
04/14/15	06:00:00	344.1	1839.4	193.0	2032.4	Shut-in
04/14/15	07:00:00	344.5	1827.3	193.0	2020.3	Shut-in
04/14/15	08:00:00	344.7	1811.6	193.0	2004.6	Shut-in
04/14/15	09:00:00	345.1	1842.9	193.0	2035.9	Shut-in
04/14/15	10:00:00	345.5	1872.5	193.0	2065.5	Shut-in
04/14/15	11:00:00	346.0	1842.6	193.0	2035.6	Shut-in
04/14/15	12:00:00	346.3	1842.8	193.0	2035.8	Shut-in
04/14/15	13:00:00	346.7	1842.8	193.0	2035.8	Shut-in
04/14/15	14:00:00	347.1	1841.9	193.0	2034.9	Shut-in
04/14/15	15:00:00	347.5	1842.2	193.0	2035.2	Shut-in
04/14/15	16:00:00	347.9	1843.3	193.0	2036.3	Shut-in
04/14/15	17:00:00	348.4	1843.4	193.0	2036.4	Shut-in
04/14/15	18:00:00	348.8	1842.9	193.0	2035.9	Shut-in
04/14/15	19:00:00	349.2	1841.3	193.0	2034.3	Shut-in
04/14/15	20:00:00	349.6	1841.1	193.0	2034.1	Shut-in
04/14/15	21:00:00	350.0	1841.3	193.0	2034.3	Shut-in
04/14/15	22:00:00	350.4	1841.6	193.0	2034.6	Shut-in
04/14/15	23:00:00	350.8	1842.2	193.0	2035.2	Shut-in
04/15/15	00:00:00	351.2	1842.1	193.0	2035.1	Shut-in
04/15/15	01:00:00	351.7	1842.6	193.0	2035.6	Shut-in
04/15/15	02:00:00	352.1	1843.0	193.0	2036.0	Shut-in
04/15/15	03:00:00	352.5	1843.2	193.0	2036.2	Shut-in
04/15/15	04:00:00	352.9	1836.0	193.0	2029.0	Shut-in
04/15/15	05:00:00	353.4	1827.1	193.0	2020.1	Shut-in
04/15/15	06:00:00	353.8	1837.2	193.0	2030.2	Shut-in
04/15/15	07:00:00	354.2	1841.7	193.0	2034.7	Shut-in
04/15/15	08:00:00	354.6	1841.4	193.0	2034.4	Shut-in
04/15/15	09:00:00	355.1	1866.9	193.0	2059.9	Shut-in
04/15/15	10:00:00	355.5	1860.6	193.0	2053.6	Shut-in
04/15/15	11:00:00	355.9	1846.2	193.0	2039.2	Shut-in
04/15/15	12:00:00	356.3	1846.0	193.0	2039.0	Shut-in
04/15/15	13:00:00	356.7	1846.4	193.0	2039.4	Shut-in
04/15/15	14:00:00	357.1	1846.3	193.0	2039.3	Shut-in
04/15/15	15:00:00	357.5	1846.7	193.0	2039.7	Shut-in
04/15/15	16:00:00	357.9	1847.4	193.0	2040.4	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/15/15	17:00:00	358.3	1847.6	193.0	2040.6	Shut-in
04/15/15	18:00:00	358.7	1846.0	193.0	2039.0	Shut-in
04/15/15	19:00:00	359.1	1845.3	193.0	2038.3	Shut-in
04/15/15	20:00:00	359.6	1844.7	193.0	2037.7	Shut-in
04/15/15	21:00:00	360.0	1845.0	193.0	2038.0	Shut-in
04/15/15	22:00:00	360.4	1845.2	193.0	2038.2	Shut-in
04/15/15	23:00:00	360.8	1845.5	193.0	2038.5	Shut-in
04/16/15	00:00:00	361.2	1846.0	193.0	2039.0	Shut-in
04/16/15	01:00:00	361.7	1846.6	193.0	2039.6	Shut-in
04/16/15	02:00:00	362.1	1846.9	193.0	2039.9	Shut-in
04/16/15	03:00:00	362.5	1846.6	193.0	2039.6	Shut-in
04/16/15	04:00:00	362.9	1847.4	193.0	2040.4	Shut-in
04/16/15	05:00:00	363.4	1847.0	193.0	2040.0	Shut-in
04/16/15	06:00:00	363.8	1846.1	193.0	2039.1	Shut-in
04/16/15	07:00:00	364.2	1839.6	193.0	2032.6	Shut-in
04/16/15	08:00:00	364.6	1837.6	193.0	2030.6	Shut-in
04/16/15	09:00:00	365.0	(4)	193.0	(4)	Shut-in
04/16/15	10:00:00	365.4	(4)	193.0	(4)	Shut-in
04/16/15	11:00:00	365.8	(4)	193.0	(4)	Shut-in
04/16/15	12:00:00	366.2	(4)	193.0	(4)	Shut-in
04/16/15	13:00:00	366.6	(4)	193.0	(4)	Shut-in
04/16/15	14:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	15:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	16:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	17:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	18:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	19:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	20:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	21:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	22:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	23:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	00:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	01:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	02:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	03:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	04:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	05:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	06:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	07:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	08:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	09:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	10:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	11:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	12:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	13:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	14:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	15:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	16:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	17:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	18:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	19:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	20:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	21:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	22:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	23:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	00:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	01:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	02:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	03:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	04:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	05:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	06:00:00	366.8	(4)	193.0	(4)	Shut-in
04/18/15	07:00:00	366.9	(4)	193.0	(4)	Shut-in
04/18/15	08:00:00	367.0	(4)	193.0	(4)	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/18/15	09:00:00	367.1	(4)	193.0	(4)	Shut-in
04/18/15	10:00:00	367.3	(4)	193.0	(4)	Shut-in
04/18/15	11:00:00	367.4	(4)	193.0	(4)	Shut-in
04/18/15	12:00:00	367.6	(4)	193.0	(4)	Shut-in
04/18/15	13:00:00	367.9	(4)	193.0	(4)	Shut-in
04/18/15	14:00:00	368.1	(4)	193.0	(4)	Shut-in
04/18/15	15:00:00	368.3	(4)	193.0	(4)	Shut-in
04/18/15	16:00:00	368.6	(4)	193.0	(4)	Shut-in
04/18/15	17:00:00	368.9	(4)	193.0	(4)	Shut-in
04/18/15	18:00:00	369.2	(4)	193.0	(4)	Shut-in
04/18/15	19:00:00	369.5	(4)	193.0	(4)	Shut-in
04/18/15	20:00:00	369.8	(4)	193.0	(4)	Shut-in
04/18/15	21:00:00	370.2	(4)	193.0	(4)	Shut-in
04/18/15	22:00:00	370.5	(4)	193.0	(4)	Shut-in
04/18/15	23:00:00	370.8	(4)	193.0	(4)	Shut-in
04/19/15	00:00:00	371.1	(4)	193.0	(4)	Shut-in
04/19/15	01:00:00	371.5	(4)	193.0	(4)	Shut-in
04/19/15	02:00:00	371.8	(4)	193.0	(4)	Shut-in
04/19/15	03:00:00	372.1	(4)	193.0	(4)	Shut-in
04/19/15	04:00:00	372.5	(4)	193.0	(4)	Shut-in
04/19/15	05:00:00	372.8	(4)	193.0	(4)	Shut-in
04/19/15	06:00:00	373.1	(4)	193.0	(4)	Shut-in
04/19/15	07:00:00	373.5	(4)	193.0	(4)	Shut-in
04/19/15	08:00:00	373.8	(4)	193.0	(4)	Shut-in
04/19/15	09:00:00	374.1	(4)	193.0	(4)	Shut-in
04/19/15	10:00:00	374.5	(4)	193.0	(4)	Shut-in
04/19/15	11:00:00	374.8	(4)	193.0	(4)	Shut-in
04/19/15	12:00:00	375.1	(4)	193.0	(4)	Shut-in
04/19/15	13:00:00	375.4	(4)	193.0	(4)	Shut-in
04/19/15	14:00:00	375.8	(4)	193.0	(4)	Shut-in
04/19/15	15:00:00	376.1	(4)	193.0	(4)	Shut-in
04/19/15	16:00:00	376.4	(4)	193.0	(4)	Shut-in
04/19/15	17:00:00	376.7	(4)	193.0	(4)	Shut-in
04/19/15	18:00:00	377.0	(4)	193.0	(4)	Shut-in
04/19/15	19:00:00	377.4	(4)	193.0	(4)	Shut-in
04/19/15	20:00:00	377.7	(4)	193.0	(4)	Shut-in
04/19/15	21:00:00	378.0	(4)	193.0	(4)	Shut-in
04/19/15	22:00:00	378.4	(4)	193.0	(4)	Shut-in
04/19/15	23:00:00	378.7	(4)	193.0	(4)	Shut-in
04/20/15	00:00:00	379.0	(4)	193.0	(4)	Shut-in
04/20/15	01:00:00	379.3	(4)	193.0	(4)	Shut-in
04/20/15	02:00:00	379.7	(4)	193.0	(4)	Shut-in
04/20/15	03:00:00	380.0	(4)	193.0	(4)	Shut-in
04/20/15	04:00:00	380.3	(4)	193.0	(4)	Shut-in
04/20/15	05:00:00	380.7	(4)	193.0	(4)	Shut-in
04/20/15	06:00:00	381.0	(4)	193.0	(4)	Shut-in
04/20/15	07:00:00	381.3	(4)	193.0	(4)	Shut-in
04/20/15	08:00:00	381.7	(4)	193.0	(4)	Shut-in
04/20/15	09:00:00	382.0	(4)	193.0	(4)	Shut-in
04/20/15	10:00:00	382.3	(4)	193.0	(4)	Shut-in
04/20/15	11:00:00	382.6	(4)	193.0	(4)	Shut-in
04/20/15	12:00:00	382.8	(4)	193.0	(4)	Shut-in
04/20/15	13:00:00	383.1	(4)	193.0	(4)	Shut-in
04/20/15	14:00:00	383.5	(4)	193.0	(4)	Shut-in
04/20/15	15:00:00	383.8	(4)	193.0	(4)	Shut-in
04/20/15	16:00:00	384.2	1854.0	193.0	2047.0	Shut-in
04/20/15	17:00:00	384.6	1852.6	193.0	2045.6	Shut-in
04/20/15	18:00:00	385.0	1852.8	193.0	2045.8	Shut-in
04/20/15	19:00:00	385.4	1851.9	193.0	2044.9	Shut-in
04/20/15	20:00:00	385.8	1852.1	193.0	2045.1	Shut-in
04/20/15	21:00:00	386.2	1852.4	193.0	2045.4	Shut-in
04/20/15	22:00:00	386.6	1852.6	193.0	2045.6	Shut-in
04/20/15	23:00:00	387.0	1853.0	193.0	2046.0	Shut-in
04/21/15	00:00:00	387.4	1853.9	193.0	2046.9	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/21/15	01:00:00	387.8	1854.0	193.0	2047.0	Shut-in
04/21/15	02:00:00	388.1	1853.9	193.0	2046.9	Shut-in
04/21/15	03:00:00	388.4	1853.7	193.0	2046.7	Shut-in
04/21/15	04:00:00	388.8	1853.9	193.0	2046.9	Shut-in
04/21/15	05:00:00	389.2	1854.1	193.0	2047.1	Shut-in
04/21/15	06:00:00	389.6	1854.4	193.0	2047.4	Shut-in
04/21/15	07:00:00	390.0	1854.0	193.0	2047.0	Shut-in
04/21/15	08:00:00	390.4	1855.4	193.0	2048.4	Shut-in
04/21/15	09:00:00	390.9	1856.6	193.0	2049.6	Shut-in
04/21/15	10:00:00	391.3	1856.5	193.0	2049.5	Shut-in
04/21/15	11:00:00	391.6	1856.9	193.0	2049.9	Shut-in
04/21/15	12:00:00	392.0	1857.2	193.0	2050.2	Shut-in
04/21/15	13:00:00	392.2	1856.6	193.0	2049.6	Shut-in
04/21/15	14:00:00	392.6	1855.0	193.0	2048.0	Shut-in
04/21/15	15:00:00	393.0	1857.1	193.0	2050.1	Shut-in
04/21/15	16:00:00	393.4	1856.2	193.0	2049.2	Shut-in
04/21/15	17:00:00	393.8	1856.8	193.0	2049.8	Shut-in
04/21/15	18:00:00	394.2	1856.4	193.0	2049.4	Shut-in
04/21/15	19:00:00	394.6	1855.6	193.0	2048.6	Shut-in
04/21/15	20:00:00	395.0	1855.7	193.0	2048.7	Shut-in
04/21/15	21:00:00	395.3	1856.2	193.0	2049.2	Shut-in
04/21/15	22:00:00	395.7	1856.4	193.0	2049.4	Shut-in
04/21/15	23:00:00	396.1	1856.6	193.0	2049.6	Shut-in
04/22/15	00:00:00	396.5	1856.9	193.0	2049.9	Shut-in
04/22/15	01:00:00	396.9	1857.1	193.0	2050.1	Shut-in
04/22/15	02:00:00	397.3	1857.7	193.0	2050.7	Shut-in
04/22/15	03:00:00	397.7	1857.6	193.0	2050.6	Shut-in
04/22/15	04:00:00	398.2	1858.2	193.0	2051.2	Shut-in
04/22/15	05:00:00	398.6	1858.4	193.0	2051.4	Shut-in
04/22/15	06:00:00	399.0	1858.8	193.0	2051.8	Shut-in
04/22/15	07:00:00	399.4	1859.1	193.0	2052.1	Shut-in
04/22/15	08:00:00	399.8	1860.2	193.0	2053.2	Shut-in
04/22/15	09:00:00	400.2	1860.4	193.0	2053.4	Shut-in
04/22/15	10:00:00	400.6	1860.5	193.0	2053.5	Shut-in
04/22/15	11:00:00	401.0	1860.2	193.0	2053.2	Shut-in
04/22/15	12:00:00	401.4	1861.6	193.0	2054.6	Shut-in
04/22/15	13:00:00	401.7	1861.4	193.0	2054.4	Shut-in
04/22/15	14:00:00	402.0	1861.6	193.0	2054.6	Shut-in
04/22/15	15:00:00	402.3	1861.9	193.0	2054.9	Shut-in
04/22/15	16:00:00	402.5	1861.8	193.0	2054.8	Shut-in
04/22/15	17:00:00	402.9	1861.7	193.0	2054.7	Shut-in
04/22/15	18:00:00	403.3	1860.3	193.0	2053.3	Shut-in
04/22/15	19:00:00	403.7	1861.0	193.0	2054.0	Shut-in
04/22/15	20:00:00	404.1	1859.4	193.0	2052.4	Shut-in
04/22/15	21:00:00	404.5	1859.9	193.0	2052.9	Shut-in
04/22/15	22:00:00	404.9	1860.2	193.0	2053.2	Shut-in
04/22/15	23:00:00	405.3	1860.3	193.0	2053.3	Shut-in
04/23/15	00:00:00	405.7	1860.5	193.0	2053.5	Shut-in
04/23/15	01:00:00	406.1	1860.7	193.0	2053.7	Shut-in
04/23/15	02:00:00	406.5	1860.8	193.0	2053.8	Shut-in
04/23/15	03:00:00	407.0	1861.5	193.0	2054.5	Shut-in
04/23/15	04:00:00	407.4	1862.0	193.0	2055.0	Shut-in
04/23/15	05:00:00	407.8	1862.5	193.0	2055.5	Shut-in
04/23/15	06:00:00	408.2	1861.5	193.0	2054.5	Shut-in
04/23/15	07:00:00	408.6	1861.8	193.0	2054.8	Shut-in
04/23/15	08:00:00	409.0	1862.1	193.0	2055.1	Shut-in
04/23/15	09:00:00	409.4	1863.7	193.0	2056.7	Shut-in
04/23/15	10:00:00	409.8	1864.1	193.0	2057.1	Shut-in
04/23/15	11:00:00	410.2	1864.6	193.0	2057.6	Shut-in
04/23/15	12:00:00	410.6	1863.6	193.0	2056.6	Shut-in
04/23/15	13:00:00	411.0	1865.2	193.0	2058.2	Shut-in
04/23/15	14:00:00	411.4	1864.3	193.0	2057.3	Shut-in
04/23/15	15:00:00	411.8	1865.9	193.0	2058.9	Shut-in
04/23/15	16:00:00	412.2	1865.8	193.0	2058.8	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/23/15	17:00:00	412.6	1863.4	193.0	2056.4	Shut-in
04/23/15	18:00:00	413.0	1862.9	193.0	2055.9	Shut-in
04/23/15	19:00:00	413.4	1864.3	193.0	2057.3	Shut-in
04/23/15	20:00:00	413.8	1864.0	193.0	2057.0	Shut-in
04/23/15	21:00:00	414.2	1863.7	193.0	2056.7	Shut-in
04/23/15	22:00:00	414.6	1863.9	193.0	2056.9	Shut-in
04/23/15	23:00:00	415.0	1864.5	193.0	2057.5	Shut-in
04/24/15	00:00:00	415.4	1865.1	193.0	2058.1	Shut-in
04/24/15	01:00:00	415.8	1865.2	193.0	2058.2	Shut-in
04/24/15	02:00:00	416.2	1865.8	193.0	2058.8	Shut-in
04/24/15	03:00:00	416.6	1865.1	193.0	2058.1	Shut-in
04/24/15	04:00:00	417.1	1865.3	193.0	2058.3	Shut-in
04/24/15	05:00:00	417.5	1865.7	193.0	2058.7	Shut-in
04/24/15	06:00:00	417.9	1866.0	193.0	2059.0	Shut-in
04/24/15	07:00:00	417.9	1865.8	193.0	2058.8	Shut-in
04/24/15	08:00:00	417.9	1867.8	193.0	2060.8	Shut-in
04/24/15	09:00:00	417.9	1867.0	193.0	2060.0	Shut-in
04/24/15	10:00:00	417.9	1867.7	193.0	2060.7	Shut-in
04/24/15	11:00:00	417.9	1868.5	193.0	2061.5	Shut-in
04/24/15	12:00:00	417.9	1869.7	193.0	2062.7	Shut-in
04/24/15	13:00:00	417.9	1869.6	193.0	2062.6	Shut-in
04/24/15	14:00:00	417.9	1868.9	193.0	2061.9	Shut-in
04/24/15	15:00:00	418.2	1868.5	193.0	2061.5	Shut-in
04/24/15	16:00:00	418.6	1868.3	193.0	2061.3	Shut-in
04/24/15	17:00:00	419.0	1868.5	193.0	2061.5	Shut-in
04/24/15	18:00:00	419.4	1868.3	193.0	2061.3	Shut-in
04/24/15	19:00:00	419.8	1867.3	193.0	2060.3	Shut-in
04/24/15	20:00:00	420.2	1867.0	193.0	2060.0	Shut-in
04/24/15	21:00:00	420.6	1867.3	193.0	2060.3	Shut-in
04/24/15	22:00:00	421.0	1867.4	193.0	2060.4	Shut-in
04/24/15	23:00:00	421.4	1867.4	193.0	2060.4	Shut-in
04/25/15	00:00:00	421.9	1867.5	193.0	2060.5	Shut-in
04/25/15	01:00:00	422.3	1867.7	193.0	2060.7	Shut-in
04/25/15	02:00:00	422.7	1868.6	193.0	2061.6	Shut-in
04/25/15	03:00:00	423.1	1869.6	193.0	2062.6	Shut-in
04/25/15	04:00:00	423.5	1869.1	193.0	2062.1	Shut-in
04/25/15	05:00:00	423.9	1868.6	193.0	2061.6	Shut-in
04/25/15	06:00:00	424.3	1869.7	193.0	2062.7	Shut-in
04/25/15	07:00:00	424.7	1868.8	193.0	2061.8	Shut-in
04/25/15	08:00:00	425.1	1869.6	193.0	2062.6	Shut-in
04/25/15	09:00:00	425.5	1870.2	193.0	2063.2	Shut-in
04/25/15	10:00:00	425.9	1870.3	193.0	2063.3	Shut-in
04/25/15	11:00:00	426.3	1869.5	193.0	2062.5	Shut-in
04/25/15	12:00:00	426.7	1870.1	193.0	2063.1	Shut-in
04/25/15	13:00:00	427.1	1870.0	193.0	2063.0	Shut-in
04/25/15	14:00:00	427.5	1870.7	193.0	2063.7	Shut-in
04/25/15	15:00:00	427.9	1870.4	193.0	2063.4	Shut-in
04/25/15	16:00:00	428.3	1871.6	193.0	2064.6	Shut-in
04/25/15	17:00:00	428.7	1871.6	193.0	2064.6	Shut-in
04/25/15	18:00:00	429.1	1871.9	193.0	2064.9	Shut-in
04/25/15	19:00:00	429.5	1871.1	193.0	2064.1	Shut-in
04/25/15	20:00:00	429.9	1869.4	193.0	2062.4	Shut-in
04/25/15	21:00:00	430.3	1869.9	193.0	2062.9	Shut-in
04/25/15	22:00:00	430.7	1870.6	193.0	2063.6	Shut-in
04/25/15	23:00:00	431.1	1871.2	193.0	2064.2	Shut-in
04/26/15	00:00:00	431.5	1871.8	193.0	2064.8	Shut-in
04/26/15	01:00:00	432.0	1871.5	193.0	2064.5	Shut-in
04/26/15	02:00:00	432.4	1871.2	193.0	2064.2	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/26/15	03:00:00	432.8	1871.2	193.0	2064.2	Shut-in
04/26/15	04:00:00	433.2	1871.5	193.0	2064.5	Shut-in
04/26/15	05:00:00	433.6	1872.1	193.0	2065.1	Shut-in
04/26/15	06:00:00	434.0	1872.2	193.0	2065.2	Shut-in
04/26/15	07:00:00	434.4	1872.5	193.0	2065.5	Shut-in
04/26/15	08:00:00	434.9	1873.2	193.0	2066.2	Shut-in
04/26/15	09:00:00	435.3	1874.0	193.0	2067.0	Shut-in
04/26/15	10:00:00	435.7	1874.9	193.0	2067.9	Shut-in
04/26/15	11:00:00	436.1	1875.7	193.0	2068.7	Shut-in
04/26/15	12:00:00	436.5	1875.6	193.0	2068.6	Shut-in
04/26/15	13:00:00	436.9	1876.5	193.0	2069.5	Shut-in
04/26/15	14:00:00	437.3	1876.7	193.0	2069.7	Shut-in
04/26/15	15:00:00	437.7	1877.0	193.0	2070.0	Shut-in
04/26/15	16:00:00	438.0	1876.9	193.0	2069.9	Shut-in
04/26/15	17:00:00	438.4	1876.4	193.0	2069.4	Shut-in
04/26/15	18:00:00	438.8	1876.6	193.0	2069.6	Shut-in
04/26/15	19:00:00	439.2	1874.0	193.0	2067.0	Shut-in
04/26/15	20:00:00	439.6	1873.0	193.0	2066.0	Shut-in
04/26/15	21:00:00	440.0	1873.3	193.0	2066.3	Shut-in
04/26/15	22:00:00	440.4	1873.5	193.0	2066.5	Shut-in
04/26/15	23:00:00	440.8	1874.2	193.0	2067.2	Shut-in
04/27/15	00:00:00	441.2	1874.4	193.0	2067.4	Shut-in
04/27/15	01:00:00	441.6	1874.7	193.0	2067.7	Shut-in
04/27/15	02:00:00	442.1	1875.6	193.0	2068.6	Shut-in
04/27/15	03:00:00	442.5	1875.0	193.0	2068.0	Shut-in
04/27/15	04:00:00	442.9	1875.3	193.0	2068.3	Shut-in
04/27/15	05:00:00	443.3	1876.1	193.0	2069.1	Shut-in
04/27/15	06:00:00	443.7	1876.7	193.0	2069.7	Shut-in
04/27/15	07:00:00	444.1	1876.5	193.0	2069.5	Shut-in
04/27/15	08:00:00	444.5	1876.8	193.0	2069.8	Shut-in
04/27/15	09:00:00	444.9	1878.6	193.0	2071.6	Shut-in
04/27/15	10:00:00	445.3	1879.7	193.0	2072.7	Shut-in
04/27/15	11:00:00	445.7	1879.9	193.0	2072.9	Shut-in
04/27/15	12:00:00	446.1	1880.4	193.0	2073.4	Shut-in
04/27/15	13:00:00	446.5	1879.8	193.0	2072.8	Shut-in
04/27/15	14:00:00	446.9	1879.9	193.0	2072.9	Shut-in
04/27/15	15:00:00	447.3	1880.5	193.0	2073.5	Shut-in
04/27/15	16:00:00	447.7	1880.8	193.0	2073.8	Shut-in
04/27/15	17:00:00	448.0	1880.5	193.0	2073.5	Shut-in
04/27/15	18:00:00	448.4	1878.8	193.0	2071.8	Shut-in
04/27/15	19:00:00	448.8	1877.7	193.0	2070.7	Shut-in
04/27/15	20:00:00	449.2	1876.9	193.0	2069.9	Shut-in
04/27/15	21:00:00	449.6	1878.0	193.0	2071.0	Shut-in
04/27/15	22:00:00	450.0	1878.0	193.0	2071.0	Shut-in
04/27/15	23:00:00	450.4	1878.4	193.0	2071.4	Shut-in
04/28/15	00:00:00	450.8	1878.6	193.0	2071.6	Shut-in
04/28/15	01:00:00	451.2	1879.1	193.0	2072.1	Shut-in
04/28/15	02:00:00	451.6	1879.4	193.0	2072.4	Shut-in
04/28/15	03:00:00	452.0	1879.5	193.0	2072.5	Shut-in
04/28/15	04:00:00	452.4	1879.6	193.0	2072.6	Shut-in
04/28/15	05:00:00	452.8	1879.9	193.0	2072.9	Shut-in
04/28/15	06:00:00	453.2	1880.1	193.0	2073.1	Shut-in
04/28/15	07:00:00	453.7	1880.2	193.0	2073.2	Shut-in
04/28/15	08:00:00	454.1	1880.7	193.0	2073.7	Shut-in
04/28/15	09:00:00	454.5	1881.2	193.0	2074.2	Shut-in
04/28/15	10:00:00	454.9	1881.7	193.0	2074.7	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/28/15	11:00:00	455.3	1882.6	193.0	2075.6	Shut-in
04/28/15	12:00:00	455.6	1881.8	193.0	2074.8	Shut-in
04/28/15	13:00:00	456.0	1883.0	193.0	2076.0	Shut-in
04/28/15	14:00:00	456.4	1883.2	193.0	2076.2	Shut-in
04/28/15	15:00:00	456.8	1884.1	193.0	2077.1	Shut-in
04/28/15	16:00:00	457.2	1884.2	193.0	2077.2	Shut-in
04/28/15	17:00:00	457.6	1880.0	193.0	2073.0	Shut-in
04/28/15	18:00:00	458.0	1882.5	193.0	2075.5	Shut-in
04/28/15	19:00:00	458.3	1881.0	193.0	2074.0	Shut-in
04/28/15	20:00:00	458.7	1881.4	193.0	2074.4	Shut-in
04/28/15	21:00:00	459.1	1881.5	193.0	2074.5	Shut-in
04/28/15	22:00:00	459.5	1881.8	193.0	2074.8	Shut-in
04/28/15	23:00:00	459.9	1882.1	193.0	2075.1	Shut-in
04/29/15	00:00:00	460.4	1882.5	193.0	2075.5	Shut-in
04/29/15	01:00:00	460.8	1883.0	193.0	2076.0	Shut-in
04/29/15	02:00:00	461.2	1883.2	193.0	2076.2	Shut-in
04/29/15	03:00:00	461.6	1883.3	193.0	2076.3	Shut-in
04/29/15	04:00:00	462.0	1883.5	193.0	2076.5	Shut-in
04/29/15	05:00:00	462.4	1883.7	193.0	2076.7	Shut-in
04/29/15	06:00:00	462.8	1883.9	193.0	2076.9	Shut-in
04/29/15	07:00:00	463.2	1884.0	193.0	2077.0	Shut-in
04/29/15	08:00:00	463.6	1884.6	193.0	2077.6	Shut-in
04/29/15	09:00:00	464.0	1885.5	193.0	2078.5	Shut-in
04/29/15	10:00:00	464.4	1886.0	193.0	2079.0	Shut-in
04/29/15	11:00:00	464.8	1886.9	193.0	2079.9	Shut-in
04/29/15	12:00:00	465.2	1887.4	193.0	2080.4	Shut-in
04/29/15	13:00:00	465.6	1887.5	193.0	2080.5	Shut-in
04/29/15	14:00:00	466.0	1887.6	193.0	2080.6	Shut-in
04/29/15	15:00:00	466.4	1887.4	193.0	2080.4	Shut-in
04/29/15	16:00:00	466.8	1887.8	193.0	2080.8	Shut-in
04/29/15	17:00:00	467.2	1887.8	193.0	2080.8	Shut-in
04/29/15	18:00:00	467.6	1887.2	193.0	2080.2	Shut-in
04/29/15	19:00:00	467.9	1883.7	193.0	2076.7	Shut-in
04/29/15	20:00:00	468.3	1884.6	193.0	2077.6	Shut-in
04/29/15	21:00:00	468.7	1884.9	193.0	2077.9	Shut-in
04/29/15	22:00:00	469.1	1885.3	193.0	2078.3	Shut-in
04/29/15	23:00:00	469.5	1885.7	193.0	2078.7	Shut-in
04/30/15	00:00:00	469.9	1885.8	193.0	2078.8	Shut-in
04/30/15	01:00:00	470.3	1885.9	193.0	2078.9	Shut-in
04/30/15	02:00:00	470.7	1886.0	193.0	2079.0	Shut-in
04/30/15	03:00:00	471.1	1886.2	193.0	2079.2	Shut-in
04/30/15	04:00:00	471.6	1886.5	193.0	2079.5	Shut-in
04/30/15	05:00:00	472.0	1886.5	193.0	2079.5	Shut-in
04/30/15	06:00:00	472.4	1887.4	193.0	2080.4	Shut-in
04/30/15	07:00:00	472.8	1888.2	193.0	2081.2	Shut-in
04/30/15	08:00:00	473.2	1888.3	193.0	2081.3	Shut-in
04/30/15	09:00:00	473.6	1888.9	193.0	2081.9	Shut-in
04/30/15	10:00:00	474.0	1889.2	193.0	2082.2	Shut-in
04/30/15	11:00:00	474.4	1890.2	193.0	2083.2	Shut-in
04/30/15	12:00:00	474.7	1891.3	193.0	2084.3	Shut-in
04/30/15	13:00:00	475.1	1890.8	193.0	2083.8	Shut-in
04/30/15	14:00:00	475.5	1891.3	193.0	2084.3	Shut-in
04/30/15	15:00:00	475.9	1891.2	193.0	2084.2	Shut-in
04/30/15	16:00:00	476.3	1891.7	193.0	2084.7	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/30/15	17:00:00	476.7	1889.9	193.0	2082.9	Shut-in
04/30/15	18:00:00	477.0	1891.8	193.0	2084.8	Shut-in
04/30/15	19:00:00	477.4	1888.0	193.0	2081.0	Shut-in
04/30/15	20:00:00	477.8	1888.9	193.0	2081.9	Shut-in
04/30/15	21:00:00	478.2	1889.0	193.0	2082.0	Shut-in
04/30/15	22:00:00	478.6	1889.4	193.0	2082.4	Shut-in
04/30/15	23:00:00	479.0	1889.6	193.0	2082.6	Shut-in
05/01/15	00:00:00	479.4	1889.7	193.0	2082.7	Shut-in
05/01/15	01:00:00	479.8	1889.9	193.0	2082.9	Shut-in
05/01/15	02:00:00	480.2	1890.0	193.0	2083.0	Shut-in
05/01/15	03:00:00	480.6	1890.2	193.0	2083.2	Shut-in
05/01/15	04:00:00	481.0	1890.4	193.0	2083.4	Shut-in
05/01/15	05:00:00	481.4	1890.7	193.0	2083.7	Shut-in
05/01/15	06:00:00	481.8	1891.2	193.0	2084.2	Shut-in
05/01/15	07:00:00	482.2	1891.3	193.0	2084.3	Shut-in
05/01/15	08:00:00	482.6	1892.2	193.0	2085.2	Shut-in
05/01/15	09:00:00	483.0	1892.4	193.0	2085.4	Shut-in
05/01/15	10:00:00	483.4	1892.6	193.0	2085.6	Shut-in
05/01/15	11:00:00	483.8	1893.0	193.0	2086.0	Shut-in
05/01/15	12:00:00	484.0	1893.7	193.0	2086.7	Shut-in
05/01/15	13:00:00	484.0	1894.2	193.0	2087.2	Shut-in
05/01/15	14:00:00	484.0	1894.7	193.0	2087.7	Shut-in
05/01/15	15:00:00	484.0	1894.4	193.0	2087.4	Shut-in
05/01/15	16:00:00	484.0	1894.2	193.0	2087.2	Shut-in
05/01/15	17:00:00	484.0	1892.9	193.0	2085.9	Shut-in
05/01/15	18:00:00	484.0	1892.4	193.0	2085.4	Shut-in
05/01/15	19:00:00	484.0	1892.3	193.0	2085.3	Shut-in
05/01/15	20:00:00	484.0	1892.6	193.0	2085.6	Shut-in
05/01/15	21:00:00	484.0	1892.6	193.0	2085.6	Shut-in
05/01/15	22:00:00	484.0	1892.7	193.0	2085.7	Shut-in
05/01/15	23:00:00	484.0	1892.9	193.0	2085.9	Shut-in
05/02/15	00:00:00	484.0	1893.3	193.0	2086.3	Shut-in
05/02/15	01:00:00	484.0	1893.4	193.0	2086.4	Shut-in
05/02/15	02:00:00	484.0	1893.4	193.0	2086.4	Shut-in
05/02/15	03:00:00	484.0	1893.4	193.0	2086.4	Shut-in
05/02/15	04:00:00	484.0	1893.4	193.0	2086.4	Shut-in
05/02/15	05:00:00	484.0	1893.6	193.0	2086.6	Shut-in
05/02/15	06:00:00	484.0	1893.4	193.0	2086.4	Shut-in
05/02/15	07:00:00	484.0	1893.4	193.0	2086.4	Shut-in
05/02/15	08:00:00	484.0	1893.8	193.0	2086.8	Shut-in
05/02/15	09:00:00	484.0	1894.2	193.0	2087.2	Shut-in
05/02/15	10:00:00	484.0	1894.0	193.0	2087.0	Shut-in
05/02/15	11:00:00	484.0	1894.1	193.0	2087.1	Shut-in
05/02/15	12:00:00	484.0	1894.2	193.0	2087.2	Shut-in
05/02/15	13:00:00	484.0	1894.4	193.0	2087.4	Shut-in
05/02/15	14:00:00	484.0	1894.4	193.0	2087.4	Shut-in
05/02/15	15:00:00	484.0	1894.3	193.0	2087.3	Shut-in
05/02/15	16:00:00	484.0	1895.0	193.0	2088.0	Shut-in
05/02/15	17:00:00	484.0	1893.5	193.0	2086.5	Shut-in
05/02/15	18:00:00	484.0	1891.7	193.0	2084.7	Shut-in
05/02/15	19:00:00	484.0	1892.0	193.0	2085.0	Shut-in
05/02/15	20:00:00	484.0	1892.2	193.0	2085.2	Shut-in
05/02/15	21:00:00	484.0	1892.0	193.0	2085.0	Shut-in
05/02/15	22:00:00	484.0	1892.0	193.0	2085.0	Shut-in
05/02/15	23:00:00	484.0	1892.4	193.0	2085.4	Shut-in
05/03/15	00:00:00	484.0	1892.4	193.0	2085.4	Shut-in
05/03/15	01:00:00	484.0	1892.3	193.0	2085.3	Shut-in
05/03/15	02:00:00	484.0	1892.2	193.0	2085.2	Shut-in
05/03/15	03:00:00	484.0	1892.2	193.0	2085.2	Shut-in
05/03/15	04:00:00	484.0	1892.1	193.0	2085.1	Shut-in
05/03/15	05:00:00	484.0	1892.1	193.0	2085.1	Shut-in
05/03/15	06:00:00	484.0	1892.0	193.0	2085.0	Shut-in
05/03/15	07:00:00	484.0	1891.9	193.0	2084.9	Shut-in
05/03/15	08:00:00	484.0	1892.4	193.0	2085.4	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/03/15	09:00:00	484.0	1892.9	193.0	2085.9	Shut-in
05/03/15	10:00:00	484.0	1892.7	193.0	2085.7	Shut-in
05/03/15	11:00:00	484.0	1892.3	193.0	2085.3	Shut-in
05/03/15	12:00:00	484.0	1892.8	193.0	2085.8	Shut-in
05/03/15	13:00:00	484.4	1893.1	193.0	2086.1	Shut-in
05/03/15	14:00:00	484.8	1893.4	193.0	2086.4	Shut-in
05/03/15	15:00:00	485.1	1892.9	193.0	2085.9	Shut-in
05/03/15	16:00:00	485.5	1892.4	193.0	2085.4	Shut-in
05/03/15	17:00:00	485.9	1891.1	193.0	2084.1	Shut-in
05/03/15	18:00:00	486.3	1890.4	193.0	2083.4	Shut-in
05/03/15	19:00:00	486.7	1890.5	193.0	2083.5	Shut-in
05/03/15	20:00:00	487.1	1890.3	193.0	2083.3	Shut-in
05/03/15	21:00:00	487.5	1890.2	193.0	2083.2	Shut-in
05/03/15	22:00:00	487.9	1890.0	193.0	2083.0	Shut-in
05/03/15	23:00:00	488.3	1890.1	193.0	2083.1	Shut-in
05/04/15	00:00:00	488.7	1890.1	193.0	2083.1	Shut-in
05/04/15	01:00:00	489.1	1890.5	193.0	2083.5	Shut-in
05/04/15	02:00:00	489.5	1890.3	193.0	2083.3	Shut-in
05/04/15	03:00:00	489.9	1890.5	193.0	2083.5	Shut-in
05/04/15	04:00:00	490.3	1890.7	193.0	2083.7	Shut-in
05/04/15	05:00:00	490.7	1890.6	193.0	2083.6	Shut-in
05/04/15	06:00:00	491.1	1890.8	193.0	2083.8	Shut-in
05/04/15	07:00:00	491.5	1890.8	193.0	2083.8	Shut-in
05/04/15	08:00:00	491.9	1892.2	193.0	2085.2	Shut-in
05/04/15	09:00:00	492.3	1893.0	193.0	2086.0	Shut-in
05/04/15	10:00:00	492.7	1893.0	193.0	2086.0	Shut-in
05/04/15	11:00:00	493.1	1893.1	193.0	2086.1	Shut-in
05/04/15	12:00:00	493.3	1893.2	193.0	2086.2	Shut-in
05/04/15	13:00:00	493.3	1893.6	193.0	2086.6	Shut-in
05/04/15	14:00:00	493.3	1894.1	193.0	2087.1	Shut-in
05/04/15	15:00:00	493.2	1893.9	193.0	2086.9	Shut-in
05/04/15	16:00:00	493.0	1894.1	193.0	2087.1	Shut-in
05/04/15	17:00:00	493.0	1894.0	193.0	2087.0	Shut-in
05/04/15	18:00:00	493.0	1892.6	193.0	2085.6	Shut-in
05/04/15	19:00:00	493.0	1891.8	193.0	2084.8	Shut-in
05/04/15	20:00:00	493.0	1892.2	193.0	2085.2	Shut-in
05/04/15	21:00:00	493.0	1892.5	193.0	2085.5	Shut-in
05/04/15	22:00:00	493.0	1892.5	193.0	2085.5	Shut-in
05/04/15	23:00:00	493.0	1892.6	193.0	2085.6	Shut-in
05/05/15	00:00:00	493.0	1892.7	193.0	2085.7	Shut-in
05/05/15	01:00:00	493.0	1892.8	193.0	2085.8	Shut-in
05/05/15	02:00:00	493.0	1893.1	193.0	2086.1	Shut-in
05/05/15	03:00:00	493.0	1893.3	193.0	2086.3	Shut-in
05/05/15	04:00:00	493.0	1893.3	193.0	2086.3	Shut-in
05/05/15	05:00:00	493.0	1893.2	193.0	2086.2	Shut-in
05/05/15	06:00:00	493.0	1893.1	193.0	2086.1	Shut-in
05/05/15	07:00:00	493.0	1893.3	193.0	2086.3	Shut-in
05/05/15	08:00:00	493.0	1894.0	193.0	2087.0	Shut-in
05/05/15	09:00:00	492.7	1894.6	193.0	2087.6	Shut-in
05/05/15	10:00:00	492.7	1894.9	193.0	2087.9	Shut-in
05/05/15	11:00:00	492.3	1894.8	193.0	2087.8	Shut-in
05/05/15	12:00:00	492.3	1894.1	193.0	2087.1	Shut-in
05/05/15	13:00:00	490.9	1893.9	193.0	2086.9	Shut-in
05/05/15	14:00:00	490.9	1894.5	193.0	2087.5	Shut-in
05/05/15	15:00:00	490.9	1894.2	193.0	2087.2	Shut-in
05/05/15	16:00:00	490.9	1894.2	193.0	2087.2	Shut-in
05/05/15	17:00:00	490.9	1893.0	193.0	2086.0	Shut-in
05/05/15	18:00:00	490.3	1891.5	193.0	2084.5	Shut-in
05/05/15	19:00:00	490.2	1891.8	193.0	2084.8	Shut-in
05/05/15	20:00:00	490.5	1892.0	193.0	2085.0	Shut-in
05/05/15	21:00:00	490.9	1891.7	193.0	2084.7	Shut-in
05/05/15	22:00:00	491.3	1891.6	193.0	2084.6	Shut-in
05/05/15	23:00:00	491.7	1891.5	193.0	2084.5	Shut-in
05/06/15	00:00:00	492.1	1891.3	193.0	2084.3	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/06/15	01:00:00	492.5	1891.2	193.0	2084.2	Shut-in
05/06/15	02:00:00	492.9	1891.1	193.0	2084.1	Shut-in
05/06/15	03:00:00	493.3	1891.1	193.0	2084.1	Shut-in
05/06/15	04:00:00	493.7	1891.3	193.0	2084.3	Shut-in
05/06/15	05:00:00	494.1	1891.4	193.0	2084.4	Shut-in
05/06/15	06:00:00	494.5	1891.7	193.0	2084.7	Shut-in
05/06/15	07:00:00	494.9	1885.9	193.0	2078.9	Shut-in
05/06/15	08:00:00	495.3	1888.5	193.0	2081.5	Shut-in
05/06/15	09:00:00	494.6	1936.4	193.0	2129.4	Shut-in
05/06/15	10:00:00	493.7	1893.3	193.0	2086.3	Shut-in
05/06/15	11:00:00	492.8	1893.3	193.0	2086.3	Shut-in
05/06/15	12:00:00	491.9	1892.1	193.0	2085.1	Shut-in
05/06/15	13:00:00	491.0	1892.9	193.0	2085.9	Shut-in
05/06/15	14:00:00	490.2	1893.1	193.0	2086.1	Shut-in
05/06/15	15:00:00	489.3	1891.5	193.0	2084.5	Shut-in
05/06/15	16:00:00	488.4	1892.8	193.0	2085.8	Shut-in
05/06/15	17:00:00	487.5	1892.5	193.0	2085.5	Shut-in
05/06/15	18:00:00	486.6	1891.3	193.0	2084.3	Shut-in
05/06/15	19:00:00	486.8	1890.6	193.0	2083.6	Shut-in
05/06/15	20:00:00	487.2	1890.1	193.0	2083.1	Shut-in
05/06/15	21:00:00	487.6	1890.2	193.0	2083.2	Shut-in
05/06/15	22:00:00	488.0	1889.8	193.0	2082.8	Shut-in
05/06/15	23:00:00	488.4	1889.6	193.0	2082.6	Shut-in
05/07/15	00:00:00	488.8	1889.3	193.0	2082.3	Shut-in
05/07/15	01:00:00	489.1	1889.5	193.0	2082.5	Shut-in
05/07/15	02:00:00	489.5	1889.5	193.0	2082.5	Shut-in
05/07/15	03:00:00	489.9	1889.2	193.0	2082.2	Shut-in
05/07/15	04:00:00	490.2	1889.0	193.0	2082.0	Shut-in
05/07/15	05:00:00	490.6	1889.0	193.0	2082.0	Shut-in
05/07/15	06:00:00	490.9	1888.9	193.0	2081.9	Shut-in
05/07/15	07:00:00	491.3	1888.7	193.0	2081.7	Shut-in
05/07/15	08:00:00	491.7	1888.8	193.0	2081.8	Shut-in
05/07/15	09:00:00	491.0	1888.5	193.0	2081.5	Shut-in
05/07/15	10:00:00	490.0	1889.4	193.0	2082.4	Shut-in
05/07/15	11:00:00	489.1	1889.1	193.0	2082.1	Shut-in
05/07/15	12:00:00	488.1	1888.9	193.0	2081.9	Shut-in
05/07/15	13:00:00	487.2	1888.7	193.0	2081.7	Shut-in
05/07/15	14:00:00	486.2	1888.9	193.0	2081.9	Shut-in
05/07/15	15:00:00	485.3	1888.9	193.0	2081.9	Shut-in
05/07/15	16:00:00	484.4	1888.9	193.0	2081.9	Shut-in
05/07/15	17:00:00	483.4	1887.5	193.0	2080.5	Shut-in
05/07/15	18:00:00	482.5	1888.0	193.0	2081.0	Shut-in
05/07/15	19:00:00	482.6	1887.7	193.0	2080.7	Shut-in
05/07/15	20:00:00	483.0	1886.8	193.0	2079.8	Shut-in
05/07/15	21:00:00	483.4	1887.0	193.0	2080.0	Shut-in
05/07/15	22:00:00	483.8	1886.8	193.0	2079.8	Shut-in
05/07/15	23:00:00	484.2	1886.7	193.0	2079.7	Shut-in
05/08/15	00:00:00	484.6	1886.4	193.0	2079.4	Shut-in
05/08/15	01:00:00	485.0	1886.1	193.0	2079.1	Shut-in
05/08/15	02:00:00	485.4	1885.8	193.0	2078.8	Shut-in
05/08/15	03:00:00	485.8	1885.6	193.0	2078.6	Shut-in
05/08/15	04:00:00	486.2	1885.4	193.0	2078.4	Shut-in
05/08/15	05:00:00	486.6	1885.2	193.0	2078.2	Shut-in
05/08/15	06:00:00	487.0	1885.1	193.0	2078.1	Shut-in
05/08/15	07:00:00	487.4	1885.0	193.0	2078.0	Shut-in
05/08/15	08:00:00	487.6	1885.9	193.0	2078.9	Shut-in
05/08/15	09:00:00	486.7	1925.5	193.0	2118.5	Shut-in
05/08/15	10:00:00	485.8	1908.2	193.0	2101.2	Shut-in
05/08/15	11:00:00	484.9	1886.4	193.0	2079.4	Shut-in
05/08/15	12:00:00	484.0	1885.8	193.0	2078.8	Shut-in
05/08/15	13:00:00	483.1	1885.7	193.0	2078.7	Shut-in
05/08/15	14:00:00	482.2	1885.5	193.0	2078.5	Shut-in
05/08/15	15:00:00	481.3	1886.0	193.0	2079.0	Shut-in
05/08/15	16:00:00	480.4	1885.5	193.0	2078.5	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/08/15	17:00:00	479.6	1885.4	193.0	2078.4	Shut-in
05/08/15	18:00:00	478.7	1884.3	193.0	2077.3	Shut-in
05/08/15	19:00:00	478.7	1884.0	193.0	2077.0	Shut-in
05/08/15	20:00:00	478.9	1883.3	193.0	2076.3	Shut-in
05/08/15	21:00:00	479.3	1882.7	193.0	2075.7	Shut-in
05/08/15	22:00:00	479.7	1882.8	193.0	2075.8	Shut-in
05/08/15	23:00:00	480.0	1882.5	193.0	2075.5	Shut-in
05/09/15	00:00:00	480.4	1882.2	193.0	2075.2	Shut-in
05/09/15	01:00:00	480.8	1881.9	193.0	2074.9	Shut-in
05/09/15	02:00:00	481.2	1881.7	193.0	2074.7	Shut-in
05/09/15	03:00:00	481.6	1881.9	193.0	2074.9	Shut-in
05/09/15	04:00:00	482.0	1881.7	193.0	2074.7	Shut-in
05/09/15	05:00:00	482.4	1881.4	193.0	2074.4	Shut-in
05/09/15	06:00:00	482.8	1881.7	193.0	2074.7	Shut-in
05/09/15	07:00:00	483.2	1881.5	193.0	2074.5	Shut-in
05/09/15	08:00:00	483.6	1881.5	193.0	2074.5	Shut-in
05/09/15	09:00:00	483.6	1881.9	193.0	2074.9	Shut-in
05/09/15	10:00:00	483.6	1881.9	193.0	2074.9	Shut-in
05/09/15	11:00:00	483.6	1882.0	193.0	2075.0	Shut-in
05/09/15	12:00:00	483.6	1881.8	193.0	2074.8	Shut-in
05/09/15	13:00:00	483.6	1882.1	193.0	2075.1	Shut-in
05/09/15	14:00:00	483.6	1882.4	193.0	2075.4	Shut-in
05/09/15	15:00:00	483.6	1882.5	193.0	2075.5	Shut-in
05/09/15	16:00:00	483.6	1882.7	193.0	2075.7	Shut-in
05/09/15	17:00:00	483.6	1882.5	193.0	2075.5	Shut-in
05/09/15	18:00:00	483.6	1881.4	193.0	2074.4	Shut-in
05/09/15	19:00:00	483.6	1880.5	193.0	2073.5	Shut-in
05/09/15	20:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/09/15	21:00:00	483.6	1880.7	193.0	2073.7	Shut-in
05/09/15	22:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/09/15	23:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	00:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	01:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	02:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	03:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	04:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	05:00:00	483.6	1881.3	193.0	2074.3	Shut-in
05/10/15	06:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	07:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/10/15	08:00:00	483.6	1881.3	193.0	2074.3	Shut-in
05/10/15	09:00:00	483.6	1881.9	193.0	2074.9	Shut-in
05/10/15	10:00:00	483.6	1882.1	193.0	2075.1	Shut-in
05/10/15	11:00:00	483.6	1882.2	193.0	2075.2	Shut-in
05/10/15	12:00:00	483.6	1882.4	193.0	2075.4	Shut-in
05/10/15	13:00:00	483.6	1882.5	193.0	2075.5	Shut-in
05/10/15	14:00:00	483.6	1882.3	193.0	2075.3	Shut-in
05/10/15	15:00:00	483.6	1881.9	193.0	2074.9	Shut-in
05/10/15	16:00:00	483.6	1881.4	193.0	2074.4	Shut-in
05/10/15	17:00:00	483.6	1881.0	193.0	2074.0	Shut-in
05/10/15	18:00:00	483.6	1880.0	193.0	2073.0	Shut-in
05/10/15	19:00:00	483.6	1880.3	193.0	2073.3	Shut-in
05/10/15	20:00:00	483.6	1880.0	193.0	2073.0	Shut-in
05/10/15	21:00:00	483.6	1880.0	193.0	2073.0	Shut-in
05/10/15	22:00:00	483.6	1880.1	193.0	2073.1	Shut-in
05/10/15	23:00:00	483.6	1880.2	193.0	2073.2	Shut-in
05/11/15	00:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	01:00:00	483.6	1880.7	193.0	2073.7	Shut-in
05/11/15	02:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	03:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	04:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	05:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	06:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	07:00:00	483.6	1880.6	193.0	2073.6	Shut-in
05/11/15	08:00:00	483.6	1880.9	193.0	2073.9	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/11/15	09:00:00	483.6	1881.6	193.0	2074.6	Shut-in
05/11/15	10:00:00	483.6	1881.3	193.0	2074.3	Shut-in
05/11/15	11:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/11/15	12:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/11/15	13:00:00	483.6	1881.5	193.0	2074.5	Shut-in
05/11/15	14:00:00	483.6	1880.8	193.0	2073.8	Shut-in
05/11/15	15:00:00	483.6	1881.4	193.0	2074.4	Shut-in
05/11/15	16:00:00	483.6	1881.5	193.0	2074.5	Shut-in
05/11/15	17:00:00	483.6	1881.2	193.0	2074.2	Shut-in
05/11/15	18:00:00	483.6	1879.7	193.0	2072.7	Shut-in
05/11/15	19:00:00	483.7	1879.7	193.0	2072.7	Shut-in
05/11/15	20:00:00	484.1	1880.0	193.0	2073.0	Shut-in
05/11/15	21:00:00	484.5	1880.1	193.0	2073.1	Shut-in
05/11/15	22:00:00	484.9	1880.0	193.0	2073.0	Shut-in
05/11/15	23:00:00	485.3	1880.0	193.0	2073.0	Shut-in
05/12/15	00:00:00	485.7	1880.0	193.0	2073.0	Shut-in
05/12/15	01:00:00	486.1	1880.0	193.0	2073.0	Shut-in
05/12/15	02:00:00	486.5	1880.0	193.0	2073.0	Shut-in
05/12/15	03:00:00	486.9	1880.5	193.0	2073.5	Shut-in
05/12/15	04:00:00	487.2	1879.6	193.0	2072.6	Shut-in
05/12/15	05:00:00	487.6	1879.6	193.0	2072.6	Shut-in
05/12/15	06:00:00	488.0	1879.7	193.0	2072.7	Shut-in
05/12/15	07:00:00	488.4	1880.8	193.0	2073.8	Shut-in
05/12/15	08:00:00	488.8	1881.2	193.0	2074.2	Shut-in
05/12/15	09:00:00	489.2	1881.7	193.0	2074.7	Shut-in
05/12/15	10:00:00	489.6	1881.6	193.0	2074.6	Shut-in
05/12/15	11:00:00	490.0	1881.3	193.0	2074.3	Shut-in
05/12/15	12:00:00	490.0	1881.4	193.0	2074.4	Shut-in
05/12/15	13:00:00	490.0	1881.6	193.0	2074.6	Shut-in
05/12/15	14:00:00	489.8	1881.8	193.0	2074.8	Shut-in
05/12/15	15:00:00	489.8	1882.6	193.0	2075.6	Shut-in
05/12/15	16:00:00	489.4	1883.1	193.0	2076.1	Shut-in
05/12/15	17:00:00	489.4	1882.3	193.0	2075.3	Shut-in
05/12/15	18:00:00	488.6	1881.8	193.0	2074.8	Shut-in
05/12/15	19:00:00	488.5	1881.7	193.0	2074.7	Shut-in
05/12/15	20:00:00	487.3	1881.5	193.0	2074.5	Shut-in
05/12/15	21:00:00	487.3	1881.6	193.0	2074.6	Shut-in
05/12/15	22:00:00	487.6	1881.7	193.0	2074.7	Shut-in
05/12/15	23:00:00	488.0	1881.9	193.0	2074.9	Shut-in
05/13/15	00:00:00	488.4	1881.9	193.0	2074.9	Shut-in
05/13/15	01:00:00	488.8	1881.9	193.0	2074.9	Shut-in
05/13/15	02:00:00	489.2	1881.9	193.0	2074.9	Shut-in
05/13/15	03:00:00	489.5	1881.8	193.0	2074.8	Shut-in
05/13/15	04:00:00	489.8	1882.2	193.0	2075.2	Shut-in
05/13/15	05:00:00	490.1	1881.8	193.0	2074.8	Shut-in
05/13/15	06:00:00	490.4	1881.1	193.0	2074.1	Shut-in
05/13/15	07:00:00	490.7	1878.1	193.0	2071.1	Shut-in
05/13/15	08:00:00	491.0	1875.7	193.0	2068.7	Shut-in
05/13/15	09:00:00	491.4	1918.0	193.0	2111.0	Shut-in
05/13/15	10:00:00	491.7	1882.6	193.0	2075.6	Shut-in
05/13/15	11:00:00	492.0	1882.3	193.0	2075.3	Shut-in
05/13/15	12:00:00	492.3	1882.4	193.0	2075.4	Shut-in
05/13/15	13:00:00	491.1	1882.6	193.0	2075.6	Shut-in
05/13/15	14:00:00	490.0	1883.0	193.0	2076.0	Shut-in
05/13/15	15:00:00	488.8	1882.8	193.0	2075.8	Shut-in
05/13/15	16:00:00	487.6	1882.9	193.0	2075.9	Shut-in
05/13/15	17:00:00	486.5	1882.4	193.0	2075.4	Shut-in
05/13/15	18:00:00	486.4	1882.3	193.0	2075.3	Shut-in
05/13/15	19:00:00	486.7	1882.1	193.0	2075.1	Shut-in
05/13/15	20:00:00	487.0	1882.3	193.0	2075.3	Shut-in
05/13/15	21:00:00	487.4	1882.3	193.0	2075.3	Shut-in
05/13/15	22:00:00	487.8	1882.1	193.0	2075.1	Shut-in
05/13/15	23:00:00	488.2	1882.0	193.0	2075.0	Shut-in
05/14/15	00:00:00	488.6	1881.9	193.0	2074.9	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/14/15	01:00:00	489.0	1881.7	193.0	2074.7	Shut-in
05/14/15	02:00:00	489.4	1881.6	193.0	2074.6	Shut-in
05/14/15	03:00:00	489.8	1881.6	193.0	2074.6	Shut-in
05/14/15	04:00:00	490.2	1877.9	193.0	2070.9	Shut-in
05/14/15	05:00:00	490.6	1871.4	193.0	2064.4	Shut-in
05/14/15	06:00:00	491.0	1869.1	193.0	2062.1	Shut-in
05/14/15	07:00:00	491.4	1867.3	193.0	2060.3	Shut-in
05/14/15	08:00:00	491.8	1873.0	193.0	2066.0	Shut-in
05/14/15	09:00:00	492.2	1906.4	193.0	2099.4	Shut-in
05/14/15	10:00:00	492.6	1882.7	193.0	2075.7	Shut-in
05/14/15	11:00:00	493.0	1883.0	193.0	2076.0	Shut-in
05/14/15	12:00:00	493.2	1882.9	193.0	2075.9	Shut-in
05/14/15	13:00:00	492.0	1881.9	193.0	2074.9	Shut-in
05/14/15	14:00:00	490.4	1883.0	193.0	2076.0	Shut-in
05/14/15	15:00:00	488.5	1883.3	193.0	2076.3	Shut-in
05/14/15	16:00:00	486.7	1880.8	193.0	2073.8	Shut-in
05/14/15	17:00:00	484.8	1881.1	193.0	2074.1	Shut-in
05/14/15	18:00:00	484.8	1882.3	193.0	2075.3	Shut-in
05/14/15	19:00:00	485.0	1882.0	193.0	2075.0	Shut-in
05/14/15	20:00:00	485.4	1881.1	193.0	2074.1	Shut-in
05/14/15	21:00:00	485.8	1881.0	193.0	2074.0	Shut-in
05/14/15	22:00:00	486.2	1880.9	193.0	2073.9	Shut-in
05/14/15	23:00:00	486.6	1880.8	193.0	2073.8	Shut-in
05/15/15	00:00:00	487.0	1880.5	193.0	2073.5	Shut-in
05/15/15	01:00:00	487.3	1880.3	193.0	2073.3	Shut-in
05/15/15	02:00:00	487.7	1881.1	193.0	2074.1	Shut-in
05/15/15	03:00:00	488.1	1880.7	193.0	2073.7	Shut-in
05/15/15	04:00:00	488.5	1879.4	193.0	2072.4	Shut-in
05/15/15	05:00:00	488.9	1880.1	193.0	2073.1	Shut-in
05/15/15	06:00:00	489.3	1880.8	193.0	2073.8	Shut-in
05/15/15	07:00:00	489.7	1863.0	193.0	2056.0	Shut-in
05/15/15	08:00:00	490.1	1863.6	193.0	2056.6	Shut-in
05/15/15	09:00:00	490.5	1900.3	193.0	2093.3	Shut-in
05/15/15	10:00:00	490.9	1880.4	193.0	2073.4	Shut-in
05/15/15	11:00:00	491.3	1880.4	193.0	2073.4	Shut-in
05/15/15	12:00:00	491.5	1880.4	193.0	2073.4	Shut-in
05/15/15	13:00:00	489.7	1880.2	193.0	2073.2	Shut-in
05/15/15	14:00:00	487.9	1880.1	193.0	2073.1	Shut-in
05/15/15	15:00:00	486.1	1880.3	193.0	2073.3	Shut-in
05/15/15	16:00:00	484.2	1880.4	193.0	2073.4	Shut-in
05/15/15	17:00:00	482.4	1880.4	193.0	2073.4	Shut-in
05/15/15	18:00:00	482.3	1880.4	193.0	2073.4	Shut-in
05/15/15	19:00:00	482.3	1880.3	193.0	2073.3	Shut-in
05/15/15	20:00:00	482.3	1880.2	193.0	2073.2	Shut-in
05/15/15	21:00:00	482.3	1880.0	193.0	2073.0	Shut-in
05/15/15	22:00:00	482.3	1879.7	193.0	2072.7	Shut-in
05/15/15	23:00:00	482.3	1879.5	193.0	2072.5	Shut-in
05/16/15	00:00:00	482.3	1879.2	193.0	2072.2	Shut-in
05/16/15	01:00:00	482.3	1879.0	193.0	2072.0	Shut-in
05/16/15	02:00:00	482.3	1878.7	193.0	2071.7	Shut-in
05/16/15	03:00:00	482.3	1878.5	193.0	2071.5	Shut-in
05/16/15	04:00:00	482.3	1878.3	193.0	2071.3	Shut-in
05/16/15	05:00:00	482.3	1878.1	193.0	2071.1	Shut-in
05/16/15	06:00:00	482.3	1877.9	193.0	2070.9	Shut-in
05/16/15	07:00:00	482.3	1877.7	193.0	2070.7	Shut-in
05/16/15	08:00:00	482.3	1877.6	193.0	2070.6	Shut-in
05/16/15	09:00:00	482.3	1877.6	193.0	2070.6	Shut-in
05/16/15	10:00:00	482.3	1877.5	193.0	2070.5	Shut-in
05/16/15	11:00:00	482.3	1877.4	193.0	2070.4	Shut-in
05/16/15	12:00:00	482.3	1877.3	193.0	2070.3	Shut-in
05/16/15	13:00:00	482.3	1877.1	193.0	2070.1	Shut-in
05/16/15	14:00:00	482.3	1877.0	193.0	2070.0	Shut-in
05/16/15	15:00:00	482.3	1876.9	193.0	2069.9	Shut-in
05/16/15	16:00:00	482.3	1876.8	193.0	2069.8	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/16/15	17:00:00	482.3	1876.7	193.0	2069.7	Shut-in
05/16/15	18:00:00	482.3	1876.6	193.0	2069.6	Shut-in
05/16/15	19:00:00	482.3	1876.4	193.0	2069.4	Shut-in
05/16/15	20:00:00	482.3	1876.2	193.0	2069.2	Shut-in
05/16/15	21:00:00	482.3	1876.1	193.0	2069.1	Shut-in
05/16/15	22:00:00	482.3	1876.0	193.0	2069.0	Shut-in
05/16/15	23:00:00	482.3	1875.9	193.0	2068.9	Shut-in
05/17/15	00:00:00	482.3	1875.8	193.0	2068.8	Shut-in
05/17/15	01:00:00	482.3	1875.8	193.0	2068.8	Shut-in
05/17/15	02:00:00	482.3	1875.7	193.0	2068.7	Shut-in
05/17/15	03:00:00	482.3	1875.7	193.0	2068.7	Shut-in
05/17/15	04:00:00	482.3	1875.7	193.0	2068.7	Shut-in
05/17/15	05:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	06:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	07:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	08:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	09:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	10:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	11:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	12:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	13:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	14:00:00	482.3	1875.6	193.0	2068.6	Shut-in
05/17/15	15:00:00	482.3	1875.5	193.0	2068.5	Shut-in
05/17/15	16:00:00	482.3	1875.4	193.0	2068.4	Shut-in
05/17/15	17:00:00	482.3	1875.5	193.0	2068.5	Shut-in
05/17/15	18:00:00	482.3	1875.4	193.0	2068.4	Shut-in
05/17/15	19:00:00	482.3	1875.3	193.0	2068.3	Shut-in
05/17/15	20:00:00	482.3	1875.2	193.0	2068.2	Shut-in
05/17/15	21:00:00	482.3	1875.1	193.0	2068.1	Shut-in
05/17/15	22:00:00	482.3	1875.1	193.0	2068.1	Shut-in
05/17/15	23:00:00	482.3	1875.1	193.0	2068.1	Shut-in
05/18/15	00:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	01:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	02:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	03:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	04:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	05:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	06:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	07:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	08:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	09:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	10:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	11:00:00	482.3	1875.1	193.0	2068.1	Shut-in
05/18/15	12:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	13:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	14:00:00	482.3	1875.0	193.0	2068.0	Shut-in
05/18/15	15:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	16:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	17:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	18:00:00	482.3	1874.9	193.0	2067.9	Shut-in
05/18/15	19:00:00	482.3	1874.8	193.0	2067.8	Shut-in
05/18/15	20:00:00	482.3	1874.7	193.0	2067.7	Shut-in
05/18/15	21:00:00	482.2	1874.6	193.0	2067.6	Shut-in
05/18/15	22:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/18/15	23:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	00:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	01:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	02:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	03:00:00	482.2	1874.4	193.0	2067.4	Shut-in
05/19/15	04:00:00	482.2	1874.4	193.0	2067.4	Shut-in
05/19/15	05:00:00	482.2	1874.4	193.0	2067.4	Shut-in
05/19/15	06:00:00	482.2	1874.4	193.0	2067.4	Shut-in
05/19/15	07:00:00	482.2	1874.4	193.0	2067.4	Shut-in
05/19/15	08:00:00	482.2	1874.4	193.0	2067.4	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/19/15	09:00:00	482.2	1874.6	193.0	2067.6	Shut-in
05/19/15	10:00:00	482.2	1874.6	193.0	2067.6	Shut-in
05/19/15	11:00:00	482.2	1874.6	193.0	2067.6	Shut-in
05/19/15	12:00:00	482.2	1874.6	193.0	2067.6	Shut-in
05/19/15	13:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	14:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	15:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	16:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	17:00:00	482.2	1874.5	193.0	2067.5	Shut-in
05/19/15	18:00:00	482.2	1874.4	193.0	2067.4	Shut-in
05/19/15	19:00:00	482.2	1874.3	193.0	2067.3	Shut-in
05/19/15	20:00:00	482.2	1874.2	193.0	2067.2	Shut-in
05/19/15	21:00:00	482.2	1874.2	193.0	2067.2	Shut-in
05/19/15	22:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/19/15	23:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	00:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	01:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	02:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	03:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	04:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	05:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	06:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	07:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	08:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	09:00:00	482.2	1874.1	193.0	2067.1	Shut-in
05/20/15	10:00:00	482.2	1874.2	193.0	2067.2	Shut-in
05/20/15	11:00:00	482.2	1874.1	193.0	2067.1	Shut-in
05/20/15	12:00:00	482.2	1874.1	193.0	2067.1	Shut-in
05/20/15	13:00:00	482.2	1874.1	193.0	2067.1	Shut-in
05/20/15	14:00:00	482.2	1874.1	193.0	2067.1	Shut-in
05/20/15	15:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	16:00:00	482.2	1874.0	193.0	2067.0	Shut-in
05/20/15	17:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	18:00:00	482.2	1873.9	193.0	2066.9	Shut-in
05/20/15	19:00:00	482.2	1873.8	193.0	2066.8	Shut-in
05/20/15	20:00:00	482.2	1873.8	193.0	2066.8	Shut-in
05/20/15	21:00:00	482.2	1873.7	193.0	2066.7	Shut-in
05/20/15	22:00:00	482.2	1873.6	193.0	2066.6	Shut-in
05/20/15	23:00:00	482.2	1873.6	193.0	2066.6	Shut-in
05/21/15	00:00:00	482.2	1873.6	193.0	2066.6	Shut-in
05/21/15	01:00:00	482.2	1873.6	193.0	2066.6	Shut-in
05/21/15	02:00:00	482.2	1873.6	193.0	2066.6	Shut-in
05/21/15	03:00:00	482.2	1873.5	193.0	2066.5	Shut-in
05/21/15	04:00:00	482.2	1873.5	193.0	2066.5	Shut-in
05/21/15	05:00:00	482.2	1873.5	193.0	2066.5	Shut-in
05/21/15	06:00:00	482.2	1873.5	193.0	2066.5	Shut-in
05/21/15	07:00:00	482.2	1873.5	193.0	2066.5	Shut-in
05/21/15	08:00:00	482.3	1873.5	193.0	2066.5	Shut-in
05/21/15	09:00:00	482.6	1873.5	193.0	2066.5	Shut-in
05/21/15	10:00:00	483.1	1873.6	193.0	2066.6	Shut-in
05/21/15	11:00:00	483.5	1873.6	193.0	2066.6	Shut-in
05/21/15	12:00:00	483.8	1873.6	193.0	2066.6	Shut-in
05/21/15	13:00:00	483.8	1873.6	193.0	2066.6	Shut-in
05/21/15	14:00:00	483.8	1873.6	193.0	2066.6	Shut-in
05/21/15	15:00:00	483.8	1873.7	193.0	2066.7	Shut-in
05/21/15	16:00:00	483.8	1873.6	193.0	2066.6	Shut-in
05/21/15	17:00:00	483.8	1873.6	193.0	2066.6	Shut-in
05/21/15	18:00:00	483.8	1873.7	193.0	2066.7	Shut-in
05/21/15	19:00:00	484.1	1873.6	193.0	2066.6	Shut-in
05/21/15	20:00:00	484.6	1873.6	193.0	2066.6	Shut-in
05/21/15	21:00:00	485.1	1873.6	193.0	2066.6	Shut-in
05/21/15	22:00:00	485.5	1873.5	193.0	2066.5	Shut-in
05/21/15	23:00:00	485.9	1873.6	193.0	2066.6	Shut-in
05/22/15	00:00:00	486.3	1873.6	193.0	2066.6	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/22/15	01:00:00	486.7	1873.7	193.0	2066.7	Shut-in
05/22/15	02:00:00	487.2	1873.8	193.0	2066.8	Shut-in
05/22/15	03:00:00	487.6	1873.8	193.0	2066.8	Shut-in
05/22/15	04:00:00	488.1	1873.9	193.0	2066.9	Shut-in
05/22/15	05:00:00	488.5	1874.0	193.0	2067.0	Shut-in
05/22/15	06:00:00	489.0	1874.1	193.0	2067.1	Shut-in
05/22/15	07:00:00	489.5	1874.2	193.0	2067.2	Shut-in
05/22/15	08:00:00	489.9	1874.4	193.0	2067.4	Shut-in
05/22/15	09:00:00	490.3	1874.6	193.0	2067.6	Shut-in
05/22/15	10:00:00	490.8	1874.8	193.0	2067.8	Shut-in
05/22/15	11:00:00	491.2	1875.0	193.0	2068.0	Shut-in
05/22/15	12:00:00	491.4	1875.2	193.0	2068.2	Shut-in
05/22/15	13:00:00	491.4	1875.4	193.0	2068.4	Shut-in
05/22/15	14:00:00	491.4	1875.6	193.0	2068.6	Shut-in
05/22/15	15:00:00	491.4	1875.8	193.0	2068.8	Shut-in
05/22/15	16:00:00	491.4	1875.9	193.0	2068.9	Shut-in
05/22/15	17:00:00	491.4	1876.1	193.0	2069.1	Shut-in
05/22/15	18:00:00	491.4	1876.2	193.0	2069.2	Shut-in
05/22/15	19:00:00	491.8	1876.4	193.0	2069.4	Shut-in
05/22/15	20:00:00	492.2	1876.4	193.0	2069.4	Shut-in
05/22/15	21:00:00	492.7	1876.5	193.0	2069.5	Shut-in
05/22/15	22:00:00	493.2	1876.6	193.0	2069.6	Shut-in
05/22/15	23:00:00	493.6	1876.7	193.0	2069.7	Shut-in
05/23/15	00:00:00	494.1	1876.9	193.0	2069.9	Shut-in
05/23/15	01:00:00	494.6	1877.0	193.0	2070.0	Shut-in
05/23/15	02:00:00	495.0	1877.1	193.0	2070.1	Shut-in
05/23/15	03:00:00	495.5	1877.3	193.0	2070.3	Shut-in
05/23/15	04:00:00	495.8	1877.4	193.0	2070.4	Shut-in
05/23/15	05:00:00	496.3	1877.6	193.0	2070.6	Shut-in
05/23/15	06:00:00	496.7	1877.7	193.0	2070.7	Shut-in
05/23/15	07:00:00	497.2	1877.9	193.0	2070.9	Shut-in
05/23/15	08:00:00	497.6	1878.1	193.0	2071.1	Shut-in
05/23/15	09:00:00	498.1	1878.3	193.0	2071.3	Shut-in
05/23/15	10:00:00	498.5	1878.6	193.0	2071.6	Shut-in
05/23/15	11:00:00	499.0	1878.9	193.0	2071.9	Shut-in
05/23/15	12:00:00	499.4	1879.1	193.0	2072.1	Shut-in
05/23/15	13:00:00	499.9	1879.3	193.0	2072.3	Shut-in
05/23/15	14:00:00	500.4	1879.5	193.0	2072.5	Shut-in
05/23/15	15:00:00	500.8	1879.7	193.0	2072.7	Shut-in
05/23/15	16:00:00	501.2	1879.9	193.0	2072.9	Shut-in
05/23/15	17:00:00	501.7	1880.1	193.0	2073.1	Shut-in
05/23/15	18:00:00	502.1	1880.3	193.0	2073.3	Shut-in
05/23/15	19:00:00	502.6	1880.4	193.0	2073.4	Shut-in
05/23/15	20:00:00	503.0	1880.6	193.0	2073.6	Shut-in
05/23/15	21:00:00	503.5	1880.7	193.0	2073.7	Shut-in
05/23/15	22:00:00	503.9	1880.9	193.0	2073.9	Shut-in
05/23/15	23:00:00	504.4	1881.1	193.0	2074.1	Shut-in
05/24/15	00:00:00	504.9	1881.3	193.0	2074.3	Shut-in
05/24/15	01:00:00	505.3	1881.5	193.0	2074.5	Shut-in
05/24/15	02:00:00	505.8	1881.8	193.0	2074.8	Shut-in
05/24/15	03:00:00	506.2	1882.0	193.0	2075.0	Shut-in
05/24/15	04:00:00	506.7	1882.2	193.0	2075.2	Shut-in
05/24/15	05:00:00	507.1	1882.5	193.0	2075.5	Shut-in
05/24/15	06:00:00	507.6	1882.7	193.0	2075.7	Shut-in
05/24/15	07:00:00	508.1	1883.0	193.0	2076.0	Shut-in
05/24/15	08:00:00	508.5	1883.3	193.0	2076.3	Shut-in
05/24/15	09:00:00	509.0	1883.6	193.0	2076.6	Shut-in
05/24/15	10:00:00	509.4	1883.9	193.0	2076.9	Shut-in
05/24/15	11:00:00	509.9	1884.2	193.0	2077.2	Shut-in
05/24/15	12:00:00	510.4	1884.4	193.0	2077.4	Shut-in
05/24/15	13:00:00	510.8	1884.7	193.0	2077.7	Shut-in
05/24/15	14:00:00	511.3	1885.0	193.0	2078.0	Shut-in
05/24/15	15:00:00	511.7	1885.2	193.0	2078.2	Shut-in
05/24/15	16:00:00	512.2	1885.4	193.0	2078.4	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/24/15	17:00:00	512.6	1885.6	193.0	2078.6	Shut-in
05/24/15	18:00:00	513.1	1885.8	193.0	2078.8	Shut-in
05/24/15	19:00:00	513.6	1886.0	193.0	2079.0	Shut-in
05/24/15	20:00:00	514.0	1886.1	193.0	2079.1	Shut-in
05/24/15	21:00:00	514.5	1886.3	193.0	2079.3	Shut-in
05/24/15	22:00:00	515.0	1886.4	193.0	2079.4	Shut-in
05/24/15	23:00:00	515.4	1886.7	193.0	2079.7	Shut-in
05/25/15	00:00:00	515.9	1886.9	193.0	2079.9	Shut-in
05/25/15	01:00:00	516.4	1887.2	193.0	2080.2	Shut-in
05/25/15	02:00:00	516.8	1887.4	193.0	2080.4	Shut-in
05/25/15	03:00:00	517.3	1887.7	193.0	2080.7	Shut-in
05/25/15	04:00:00	517.8	1887.9	193.0	2080.9	Shut-in
05/25/15	05:00:00	518.3	1888.2	193.0	2081.2	Shut-in
05/25/15	06:00:00	518.7	1888.4	193.0	2081.4	Shut-in
05/25/15	07:00:00	519.2	1888.6	193.0	2081.6	Shut-in
05/25/15	08:00:00	519.7	1888.9	193.0	2081.9	Shut-in
05/25/15	09:00:00	520.1	1889.3	193.0	2082.3	Shut-in
05/25/15	10:00:00	520.6	1889.6	193.0	2082.6	Shut-in
05/25/15	11:00:00	521.0	1889.8	193.0	2082.8	Shut-in
05/25/15	12:00:00	521.5	1890.1	193.0	2083.1	Shut-in
05/25/15	13:00:00	521.9	1890.4	193.0	2083.4	Shut-in
05/25/15	14:00:00	522.3	1890.6	193.0	2083.6	Shut-in
05/25/15	15:00:00	522.8	1890.8	193.0	2083.8	Shut-in
05/25/15	16:00:00	523.3	1891.1	193.0	2084.1	Shut-in
05/25/15	17:00:00	523.7	1891.3	193.0	2084.3	Shut-in
05/25/15	18:00:00	524.2	1891.5	193.0	2084.5	Shut-in
05/25/15	19:00:00	524.6	1891.6	193.0	2084.6	Shut-in
05/25/15	20:00:00	525.1	1891.8	193.0	2084.8	Shut-in
05/25/15	21:00:00	525.5	1892.0	193.0	2085.0	Shut-in
05/25/15	22:00:00	525.7	1892.1	193.0	2085.1	Shut-in
05/25/15	23:00:00	526.0	1892.3	193.0	2085.3	Shut-in
05/26/15	00:00:00	526.3	1892.6	193.0	2085.6	Shut-in
05/26/15	01:00:00	526.7	1892.8	193.0	2085.8	Shut-in
05/26/15	02:00:00	527.1	1893.1	193.0	2086.1	Shut-in
05/26/15	03:00:00	527.5	1893.3	193.0	2086.3	Shut-in
05/26/15	04:00:00	527.9	1893.5	193.0	2086.5	Shut-in
05/26/15	05:00:00	528.4	1893.7	193.0	2086.7	Shut-in
05/26/15	06:00:00	528.9	1893.9	193.0	2086.9	Shut-in
05/26/15	07:00:00	529.3	1894.1	193.0	2087.1	Shut-in
05/26/15	08:00:00	529.8	1894.4	193.0	2087.4	Shut-in
05/26/15	09:00:00	530.3	1894.6	193.0	2087.6	Shut-in
05/26/15	10:00:00	530.8	1894.9	193.0	2087.9	Shut-in
05/26/15	11:00:00	531.2	1895.1	193.0	2088.1	Shut-in
05/26/15	12:00:00	531.5	1895.3	193.0	2088.3	Shut-in
05/26/15	13:00:00	531.5	1895.5	193.0	2088.5	Shut-in
05/26/15	14:00:00	531.5	1895.8	193.0	2088.8	Shut-in
05/26/15	15:00:00	531.5	1896.0	193.0	2089.0	Shut-in
05/26/15	16:00:00	531.5	1896.2	193.0	2089.2	Shut-in
05/26/15	17:00:00	531.5	1896.4	193.0	2089.4	Shut-in
05/26/15	18:00:00	531.5	1896.5	193.0	2089.5	Shut-in
05/26/15	19:00:00	531.5	1896.6	193.0	2089.6	Shut-in
05/26/15	20:00:00	532.0	1896.7	193.0	2089.7	Shut-in
05/26/15	21:00:00	532.5	1896.8	193.0	2089.8	Shut-in
05/26/15	22:00:00	532.9	1896.8	193.0	2089.8	Shut-in
05/26/15	23:00:00	533.4	1896.9	193.0	2089.9	Shut-in
05/27/15	00:00:00	533.9	1897.0	193.0	2090.0	Shut-in
05/27/15	01:00:00	534.4	1897.1	193.0	2090.1	Shut-in
05/27/15	02:00:00	534.8	1897.3	193.0	2090.3	Shut-in
05/27/15	03:00:00	535.3	1897.4	193.0	2090.4	Shut-in
05/27/15	04:00:00	535.8	1897.5	193.0	2090.5	Shut-in
05/27/15	05:00:00	536.3	1897.6	193.0	2090.6	Shut-in
05/27/15	06:00:00	536.7	1897.8	193.0	2090.8	Shut-in
05/27/15	07:00:00	537.2	1897.9	193.0	2090.9	Shut-in
05/27/15	08:00:00	537.7	1898.1	193.0	2091.1	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/27/15	09:00:00	538.1	1898.4	193.0	2091.4	Shut-in
05/27/15	10:00:00	538.6	1898.6	193.0	2091.6	Shut-in
05/27/15	11:00:00	539.1	1898.7	193.0	2091.7	Shut-in
05/27/15	12:00:00	539.5	1898.9	193.0	2091.9	Shut-in
05/27/15	13:00:00	539.5	1899.2	193.0	2092.2	Shut-in
05/27/15	14:00:00	539.5	1899.4	193.0	2092.4	Shut-in
05/27/15	15:00:00	539.5	1899.6	193.0	2092.6	Shut-in
05/27/15	16:00:00	539.5	1899.8	193.0	2092.8	Shut-in
05/27/15	17:00:00	539.5	1899.9	193.0	2092.9	Shut-in
05/27/15	18:00:00	539.5	1900.0	193.0	2093.0	Shut-in
05/27/15	19:00:00	539.8	1900.1	193.0	2093.1	Shut-in
05/27/15	20:00:00	540.3	1900.2	193.0	2093.2	Shut-in
05/27/15	21:00:00	540.8	1900.2	193.0	2093.2	Shut-in
05/27/15	22:00:00	541.3	1900.2	193.0	2093.2	Shut-in
05/27/15	23:00:00	541.8	1900.3	193.0	2093.3	Shut-in
05/28/15	00:00:00	542.3	1900.4	193.0	2093.4	Shut-in
05/28/15	01:00:00	542.7	1900.5	193.0	2093.5	Shut-in
05/28/15	02:00:00	543.2	1900.7	193.0	2093.7	Shut-in
05/28/15	03:00:00	543.7	1900.8	193.0	2093.8	Shut-in
05/28/15	04:00:00	544.2	1900.9	193.0	2093.9	Shut-in
05/28/15	05:00:00	544.7	1901.0	193.0	2094.0	Shut-in
05/28/15	06:00:00	545.2	1901.2	193.0	2094.2	Shut-in
05/28/15	07:00:00	545.7	1901.3	193.0	2094.3	Shut-in
05/28/15	08:00:00	546.2	1901.6	193.0	2094.6	Shut-in
05/28/15	09:00:00	546.7	1901.9	193.0	2094.9	Shut-in
05/28/15	10:00:00	547.1	1902.1	193.0	2095.1	Shut-in
05/28/15	11:00:00	547.6	1902.3	193.0	2095.3	Shut-in
05/28/15	12:00:00	547.9	1902.5	193.0	2095.5	Shut-in
05/28/15	13:00:00	547.9	1902.7	193.0	2095.7	Shut-in
05/28/15	14:00:00	547.9	1902.9	193.0	2095.9	Shut-in
05/28/15	15:00:00	547.9	1903.1	193.0	2096.1	Shut-in
05/28/15	16:00:00	547.9	1903.2	193.0	2096.2	Shut-in
05/28/15	17:00:00	547.9	1903.5	193.0	2096.5	Shut-in
05/28/15	18:00:00	547.9	1903.7	193.0	2096.7	Shut-in
05/28/15	19:00:00	548.3	1903.8	193.0	2096.8	Shut-in
05/28/15	20:00:00	548.8	1903.8	193.0	2096.8	Shut-in
05/28/15	21:00:00	549.3	1903.8	193.0	2096.8	Shut-in
05/28/15	22:00:00	549.8	1903.8	193.0	2096.8	Shut-in
05/28/15	23:00:00	550.2	1903.8	193.0	2096.8	Shut-in
05/29/15	00:00:00	550.7	1904.0	193.0	2097.0	Shut-in
05/29/15	01:00:00	551.2	1904.1	193.0	2097.1	Shut-in
05/29/15	02:00:00	551.7	1904.2	193.0	2097.2	Shut-in
05/29/15	03:00:00	552.2	1904.3	193.0	2097.3	Shut-in
05/29/15	04:00:00	552.7	1904.5	193.0	2097.5	Shut-in
05/29/15	05:00:00	553.2	1904.6	193.0	2097.6	Shut-in
05/29/15	06:00:00	553.6	1904.7	193.0	2097.7	Shut-in
05/29/15	07:00:00	554.1	1904.9	193.0	2097.9	Shut-in
05/29/15	08:00:00	554.6	1905.1	193.0	2098.1	Shut-in
05/29/15	09:00:00	555.1	1905.4	193.0	2098.4	Shut-in
05/29/15	10:00:00	555.6	1905.6	193.0	2098.6	Shut-in
05/29/15	11:00:00	556.1	1905.9	193.0	2098.9	Shut-in
05/29/15	12:00:00	556.4	1906.1	193.0	2099.1	Shut-in
05/29/15	13:00:00	556.4	1906.3	193.0	2099.3	Shut-in
05/29/15	14:00:00	556.4	1906.5	193.0	2099.5	Shut-in
05/29/15	15:00:00	556.4	1906.7	193.0	2099.7	Shut-in
05/29/15	16:00:00	556.4	1906.9	193.0	2099.9	Shut-in
05/29/15	17:00:00	556.4	1907.1	193.0	2100.1	Shut-in
05/29/15	18:00:00	556.4	1907.2	193.0	2100.2	Shut-in
05/29/15	19:00:00	556.7	1907.3	193.0	2100.3	Shut-in
05/29/15	20:00:00	557.2	1907.4	193.0	2100.4	Shut-in
05/29/15	21:00:00	557.7	1907.4	193.0	2100.4	Shut-in
05/29/15	22:00:00	558.2	1907.3	193.0	2100.3	Shut-in
05/29/15	23:00:00	558.6	1907.4	193.0	2100.4	Shut-in
05/30/15	00:00:00	559.1	1907.5	193.0	2100.5	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
05/30/15	01:00:00	559.6	1907.6	193.0	2100.6	Shut-in
05/30/15	02:00:00	560.1	1907.7	193.0	2100.7	Shut-in
05/30/15	03:00:00	560.1	1907.8	193.0	2100.8	Shut-in
05/30/15	04:00:00	560.1	1907.9	193.0	2100.9	Shut-in
05/30/15	05:00:00	560.1	1908.1	193.0	2101.1	Shut-in
05/30/15	06:00:00	560.1	1908.2	193.0	2101.2	Shut-in
05/30/15	07:00:00	560.1	1908.4	193.0	2101.4	Shut-in
05/30/15	08:00:00	560.1	1908.6	193.0	2101.6	Shut-in
05/30/15	09:00:00	560.1	1908.8	193.0	2101.8	Shut-in
05/30/15	10:00:00	560.1	1909.0	193.0	2102.0	Shut-in
05/30/15	11:00:00	560.1	1909.1	193.0	2102.1	Shut-in
05/30/15	12:00:00	559.8	1909.2	193.0	2102.2	Shut-in
05/30/15	13:00:00	559.8	1909.3	193.0	2102.3	Shut-in
05/30/15	14:00:00	559.4	1909.4	193.0	2102.4	Shut-in
05/30/15	15:00:00	559.4	1909.4	193.0	2102.4	Shut-in
05/30/15	16:00:00	558.6	1909.5	193.0	2102.5	Shut-in
05/30/15	17:00:00	558.6	1909.5	193.0	2102.5	Shut-in
05/30/15	18:00:00	557.3	1909.5	193.0	2102.5	Shut-in
05/30/15	19:00:00	557.3	1909.4	193.0	2102.4	Shut-in
05/30/15	20:00:00	556.7	1909.4	193.0	2102.4	Shut-in
05/30/15	21:00:00	555.2	1909.2	193.0	2102.2	Shut-in
05/30/15	22:00:00	553.9	1908.9	193.0	2101.9	Shut-in
05/30/15	23:00:00	552.6	1908.8	193.0	2101.8	Shut-in
05/31/15	00:00:00	551.4	1908.7	193.0	2101.7	Shut-in
05/31/15	01:00:00	550.1	1908.5	193.0	2101.5	Shut-in
05/31/15	02:00:00	548.8	1908.3	193.0	2101.3	Shut-in
05/31/15	03:00:00	547.6	1908.1	193.0	2101.1	Shut-in
05/31/15	04:00:00	546.3	1907.8	193.0	2100.8	Shut-in
05/31/15	05:00:00	545.1	1907.5	193.0	2100.5	Shut-in
05/31/15	06:00:00	543.8	1907.1	193.0	2100.1	Shut-in
05/31/15	07:00:00	542.5	1906.7	193.0	2099.7	Shut-in
05/31/15	08:00:00	541.3	1906.4	193.0	2099.4	Shut-in
05/31/15	09:00:00	540.0	1906.0	193.0	2099.0	Shut-in
05/31/15	10:00:00	538.8	1905.6	193.0	2098.6	Shut-in
05/31/15	11:00:00	537.5	1905.0	193.0	2098.0	Shut-in
05/31/15	12:00:00	536.3	1904.5	193.0	2097.5	Shut-in
05/31/15	13:00:00	535.0	1904.0	193.0	2097.0	Shut-in
05/31/15	14:00:00	533.8	1903.4	193.0	2096.4	Shut-in
05/31/15	15:00:00	532.6	1902.7	193.0	2095.7	Shut-in
05/31/15	16:00:00	531.3	1902.1	193.0	2095.1	Shut-in
05/31/15	17:00:00	530.1	1901.4	193.0	2094.4	Shut-in
05/31/15	18:00:00	528.9	1900.8	193.0	2093.8	Shut-in
05/31/15	19:00:00	527.6	1900.2	193.0	2093.2	Shut-in
05/31/15	20:00:00	526.4	1899.4	193.0	2092.4	Shut-in
05/31/15	21:00:00	525.1	1898.6	193.0	2091.6	Shut-in
05/31/15	22:00:00	523.9	1897.8	193.0	2090.8	Shut-in
05/31/15	23:00:00	522.7	1897.0	193.0	2090.0	Shut-in
06/01/15	00:00:00	521.5	1896.3	193.0	2089.3	Shut-in
06/01/15	01:00:00	520.2	1895.7	193.0	2088.7	Shut-in
06/01/15	02:00:00	519.0	1895.0	193.0	2088.0	Shut-in
06/01/15	03:00:00	517.7	1894.2	193.0	2087.2	Shut-in
06/01/15	04:00:00	516.5	1893.5	193.0	2086.5	Shut-in
06/01/15	05:00:00	515.2	1892.8	193.0	2085.8	Shut-in
06/01/15	06:00:00	513.9	1892.1	193.0	2085.1	Shut-in
06/01/15	07:00:00	512.7	1891.3	193.0	2084.3	Shut-in
06/01/15	08:00:00	511.4	1890.6	193.0	2083.6	Shut-in
06/01/15	09:00:00	510.1	1890.0	193.0	2083.0	Shut-in
06/01/15	10:00:00	508.9	1889.3	193.0	2082.3	Shut-in
06/01/15	11:00:00	507.6	1888.6	193.0	2081.6	Shut-in
06/01/15	12:00:00	506.3	1887.8	193.0	2080.8	Shut-in
06/01/15	13:00:00	505.1	1887.1	193.0	2080.1	Shut-in
06/01/15	14:00:00	503.8	1886.3	193.0	2079.3	Shut-in
06/01/15	15:00:00	503.3	1885.6	193.0	2078.6	Shut-in
06/01/15	16:00:00	502.8	1884.8	193.0	2077.8	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
06/01/15	17:00:00	501.5	1884.0	193.0	2077.0	Shut-in
06/01/15	18:00:00	500.3	1883.3	193.0	2076.3	Shut-in
06/01/15	19:00:00	499.1	1882.4	193.0	2075.4	Shut-in
06/01/15	20:00:00	497.9	1881.6	193.0	2074.6	Shut-in
06/01/15	21:00:00	496.7	1880.9	193.0	2073.9	Shut-in
06/01/15	22:00:00	495.4	1880.0	193.0	2073.0	Shut-in
06/01/15	23:00:00	495.0	1879.3	193.0	2072.3	Shut-in
06/02/15	00:00:00	495.0	1878.6	193.0	2071.6	Shut-in
06/02/15	01:00:00	495.0	1877.9	193.0	2070.9	Shut-in
06/02/15	02:00:00	495.0	1877.2	193.0	2070.2	Shut-in
06/02/15	03:00:00	495.0	1876.6	193.0	2069.6	Shut-in
06/02/15	04:00:00	495.0	1875.9	193.0	2068.9	Shut-in
06/02/15	05:00:00	495.0	1875.3	193.0	2068.3	Shut-in
06/02/15	06:00:00	495.0	1874.6	193.0	2067.6	Shut-in
06/02/15	07:00:00	495.0	1874.1	193.0	2067.1	Shut-in
06/02/15	08:00:00	495.0	1873.6	193.0	2066.6	Shut-in
06/02/15	09:00:00	495.0	1873.2	193.0	2066.2	Shut-in
06/02/15	10:00:00	495.0	1872.8	193.0	2065.8	Shut-in
06/02/15	11:00:00	495.0	1872.4	193.0	2065.4	Shut-in
06/02/15	12:00:00	494.8	1872.1	193.0	2065.1	Shut-in
06/02/15	13:00:00	494.6	1871.7	193.0	2064.7	Shut-in
06/02/15	14:00:00	494.3	1871.4	193.0	2064.4	Shut-in
06/02/15	15:00:00	494.1	1871.2	193.0	2064.2	Shut-in
06/02/15	16:00:00	493.9	1870.9	193.0	2063.9	Shut-in
06/02/15	17:00:00	493.7	1870.7	193.0	2063.7	Shut-in
06/02/15	18:00:00	493.4	1870.4	193.0	2063.4	Shut-in
06/02/15	19:00:00	493.2	1870.1	193.0	2063.1	Shut-in
06/02/15	20:00:00	493.0	1869.8	193.0	2062.8	Shut-in
06/02/15	21:00:00	492.7	1869.5	193.0	2062.5	Shut-in
06/02/15	22:00:00	492.5	1869.2	193.0	2062.2	Shut-in
06/02/15	23:00:00	492.3	1869.0	193.0	2062.0	Shut-in
06/03/15	00:00:00	492.1	1868.8	193.0	2061.8	Shut-in
06/03/15	01:00:00	491.8	1868.6	193.0	2061.6	Shut-in
06/03/15	02:00:00	491.6	1868.5	193.0	2061.5	Shut-in
06/03/15	03:00:00	491.4	1868.3	193.0	2061.3	Shut-in
06/03/15	04:00:00	491.2	1868.1	193.0	2061.1	Shut-in
06/03/15	05:00:00	490.9	1868.0	193.0	2061.0	Shut-in
06/03/15	06:00:00	490.7	1867.8	193.0	2060.8	Shut-in
06/03/15	07:00:00	490.7	1867.6	193.0	2060.6	Shut-in
06/03/15	08:00:00	490.7	1867.6	193.0	2060.6	Shut-in
06/03/15	09:00:00	490.7	1867.6	193.0	2060.6	Shut-in
06/03/15	10:00:00	490.6	1867.5	193.0	2060.5	Shut-in
06/03/15	11:00:00	490.4	1867.4	193.0	2060.4	Shut-in
06/03/15	12:00:00	490.4	1867.3	193.0	2060.3	Shut-in
06/03/15	13:00:00	490.0	1867.2	193.0	2060.2	Shut-in
06/03/15	14:00:00	489.9	1867.1	193.0	2060.1	Shut-in
06/03/15	15:00:00	489.1	1867.0	193.0	2060.0	Shut-in
06/03/15	16:00:00	489.1	1866.8	193.0	2059.8	Shut-in
06/03/15	17:00:00	488.3	1866.6	193.0	2059.6	Shut-in
06/03/15	18:00:00	487.5	1866.5	193.0	2059.5	Shut-in
06/03/15	19:00:00	486.6	1866.3	193.0	2059.3	Shut-in
06/03/15	20:00:00	485.8	1866.1	193.0	2059.1	Shut-in
06/03/15	21:00:00	484.9	1866.0	193.0	2059.0	Shut-in
06/03/15	22:00:00	484.1	1865.8	193.0	2058.8	Shut-in
06/03/15	23:00:00	483.2	1865.7	193.0	2058.7	Shut-in
06/04/15	00:00:00	482.3	1865.5	193.0	2058.5	Shut-in
06/04/15	01:00:00	481.5	1865.4	193.0	2058.4	Shut-in
06/04/15	02:00:00	480.6	1865.1	193.0	2058.1	Shut-in
06/04/15	03:00:00	480.0	1864.9	193.0	2057.9	Shut-in
06/04/15	04:00:00	480.0	1864.7	193.0	2057.7	Shut-in
06/04/15	05:00:00	480.0	1864.4	193.0	2057.4	Shut-in
06/04/15	06:00:00	480.0	1864.2	193.0	2057.2	Shut-in
06/04/15	07:00:00	480.0	1863.9	193.0	2056.9	Shut-in
06/04/15	08:00:00	480.0	1863.7	193.0	2056.7	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
06/04/15	09:00:00	480.0	1863.5	193.0	2056.5	Shut-in
06/04/15	10:00:00	480.0	1863.3	193.0	2056.3	Shut-in
06/04/15	11:00:00	480.0	1863.1	193.0	2056.1	Shut-in
06/04/15	12:00:00	480.0	1862.8	193.0	2055.8	Shut-in
06/04/15	13:00:00	480.0	1862.6	193.0	2055.6	Shut-in
06/04/15	14:00:00	480.0	1862.4	193.0	2055.4	Shut-in
06/04/15	15:00:00	480.0	1862.2	193.0	2055.2	Shut-in
06/04/15	16:00:00	480.0	1862.1	193.0	2055.1	Shut-in
06/04/15	17:00:00	480.0	1861.9	193.0	2054.9	Shut-in
06/04/15	18:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/04/15	19:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/04/15	20:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/04/15	21:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/04/15	22:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/04/15	23:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/05/15	00:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/05/15	01:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/05/15	02:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/05/15	03:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/05/15	04:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/05/15	05:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/05/15	06:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/05/15	07:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/05/15	08:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/05/15	09:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/05/15	10:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/05/15	11:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/05/15	12:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/05/15	13:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/05/15	14:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/05/15	15:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/05/15	16:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/05/15	17:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/05/15	18:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/05/15	19:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/05/15	20:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/05/15	21:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/05/15	22:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/05/15	23:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/06/15	00:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/06/15	01:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/06/15	02:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/06/15	03:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/06/15	04:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/06/15	05:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/06/15	06:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/06/15	07:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/06/15	08:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/06/15	09:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/06/15	10:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/06/15	11:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/06/15	12:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/06/15	13:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/06/15	14:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/06/15	15:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/06/15	16:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/06/15	17:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/06/15	18:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/06/15	19:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/06/15	20:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/06/15	21:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/06/15	22:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/06/15	23:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/07/15	00:00:00	480.0	1860.5	193.0	2053.5	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
06/07/15	01:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/07/15	02:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/07/15	03:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/07/15	04:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/07/15	05:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/07/15	06:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/07/15	07:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/07/15	08:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/07/15	09:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/07/15	10:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/07/15	11:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/07/15	12:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/07/15	13:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/07/15	14:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/07/15	15:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/07/15	16:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/07/15	17:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/07/15	18:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/07/15	19:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/07/15	20:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/07/15	21:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/07/15	22:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/07/15	23:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/08/15	00:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/08/15	01:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/08/15	02:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/08/15	03:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/08/15	04:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/08/15	05:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/08/15	06:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/08/15	07:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/08/15	08:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/08/15	09:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/08/15	10:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/08/15	11:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/08/15	12:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/08/15	13:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/08/15	14:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/08/15	15:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/08/15	16:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/08/15	17:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/08/15	18:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/08/15	19:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/08/15	20:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/08/15	21:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/08/15	22:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/08/15	23:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/09/15	00:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/09/15	01:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/09/15	02:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/09/15	03:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/09/15	04:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/09/15	05:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/09/15	06:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/09/15	07:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/09/15	08:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/09/15	09:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/09/15	10:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/09/15	11:00:00	480.0	(5)	193.0	(5)	Shut-in
06/09/15	12:00:00	480.0	(5)	193.0	(5)	Shut-in
06/09/15	13:00:00	480.0	(5)	193.0	(5)	Shut-in
06/09/15	14:00:00	480.0	(5)	193.0	(5)	Shut-in
06/09/15	15:00:00	480.0	(5)	193.0	(5)	Shut-in
06/09/15	16:00:00	480.0	(5)	193.0	(5)	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
06/09/15	17:00:00	480.0	(5)	193.0	(5)	Shut-in
06/09/15	18:00:00	480.0	(5)	193.0	(5)	Shut-in
06/09/15	19:00:00	480.0	(5)	193.0	(5)	Shut-in
06/09/15	20:00:00	480.0	(5)	193.0	(5)	Shut-in
06/09/15	21:00:00	480.0	(5)	193.0	(5)	Shut-in
06/09/15	22:00:00	480.0	(5)	193.0	(5)	Shut-in
06/09/15	23:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	00:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	01:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	02:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	03:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	04:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	05:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	06:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	07:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	08:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	09:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	10:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	11:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	12:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	13:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	14:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	15:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	16:00:00	480.0	(5)	193.0	(5)	Shut-in
06/10/15	17:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/10/15	18:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/10/15	19:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/10/15	20:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/10/15	21:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/10/15	22:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/10/15	23:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/11/15	00:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/11/15	01:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/11/15	02:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/11/15	03:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/11/15	04:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/11/15	05:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/11/15	06:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/11/15	07:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/11/15	08:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/11/15	09:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/11/15	10:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/11/15	11:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/11/15	12:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/11/15	13:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/11/15	14:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/11/15	15:00:00	480.0	1861.8	193.0	2054.8	Shut-in
06/11/15	16:00:00	480.0	1861.8	193.0	2054.8	Shut-in
06/11/15	17:00:00	480.0	1861.8	193.0	2054.8	Shut-in
06/11/15	18:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/11/15	19:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/11/15	20:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/11/15	21:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/11/15	22:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/11/15	23:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/12/15	00:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/12/15	01:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/12/15	02:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/12/15	03:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/12/15	04:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/12/15	05:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/12/15	06:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/12/15	07:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/12/15	08:00:00	480.0	1861.4	193.0	2054.4	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
06/12/15	09:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/12/15	10:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/12/15	11:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/12/15	12:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/12/15	13:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/12/15	14:00:00	480.0	1861.8	193.0	2054.8	Shut-in
06/12/15	15:00:00	480.0	1861.8	193.0	2054.8	Shut-in
06/12/15	16:00:00	480.0	1861.8	193.0	2054.8	Shut-in
06/12/15	17:00:00	480.0	1861.8	193.0	2054.8	Shut-in
06/12/15	18:00:00	480.0	1861.8	193.0	2054.8	Shut-in
06/12/15	19:00:00	480.0	1861.8	193.0	2054.8	Shut-in
06/12/15	20:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/12/15	21:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/12/15	22:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/12/15	23:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/13/15	00:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/13/15	01:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/13/15	02:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/13/15	03:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/13/15	04:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/13/15	05:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/13/15	06:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/13/15	07:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/13/15	08:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/13/15	09:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/13/15	10:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/13/15	11:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/13/15	12:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/13/15	13:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/13/15	14:00:00	480.0	1861.8	193.0	2054.8	Shut-in
06/13/15	15:00:00	480.0	1861.8	193.0	2054.8	Shut-in
06/13/15	16:00:00	480.0	1861.8	193.0	2054.8	Shut-in
06/13/15	17:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/13/15	18:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/13/15	19:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/13/15	20:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/13/15	21:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/13/15	22:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/13/15	23:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/14/15	00:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/14/15	01:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/14/15	02:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/14/15	03:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/14/15	04:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/14/15	05:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/14/15	06:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/14/15	07:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/14/15	08:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/14/15	09:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/14/15	10:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/14/15	11:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/14/15	12:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/14/15	13:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/14/15	14:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/14/15	15:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/14/15	16:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/14/15	17:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/14/15	18:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/14/15	19:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/14/15	20:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/14/15	21:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/14/15	22:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/14/15	23:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/15/15	00:00:00	480.0	1861.2	193.0	2054.2	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
06/15/15	01:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/15/15	02:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/15/15	03:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/15/15	04:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/15/15	05:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/15/15	06:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/15/15	07:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/15/15	08:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/15/15	09:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/15/15	10:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/15/15	11:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/15/15	12:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/15/15	13:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/15/15	14:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/15/15	15:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/15/15	16:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/15/15	17:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/15/15	18:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/15/15	19:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/15/15	20:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/15/15	21:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/15/15	22:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/15/15	23:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/16/15	00:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/16/15	01:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/16/15	02:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/16/15	03:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/16/15	04:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/16/15	05:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/16/15	06:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/16/15	07:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/16/15	08:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/16/15	09:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/16/15	10:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/16/15	11:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/16/15	12:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/16/15	13:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/16/15	14:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/16/15	15:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/16/15	16:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/16/15	17:00:00	480.0	1861.7	193.0	2054.7	Shut-in
06/16/15	18:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/16/15	19:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/16/15	20:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/16/15	21:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/16/15	22:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/16/15	23:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/17/15	00:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/17/15	01:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/17/15	02:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/17/15	03:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/17/15	04:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/17/15	05:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/17/15	06:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/17/15	07:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/17/15	08:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/17/15	09:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/17/15	10:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/17/15	11:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/17/15	12:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/17/15	13:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/17/15	14:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/17/15	15:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/17/15	16:00:00	480.0	1861.6	193.0	2054.6	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
06/17/15	17:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/17/15	18:00:00	480.0	1861.6	193.0	2054.6	Shut-in
06/17/15	19:00:00	480.0	1861.5	193.0	2054.5	Shut-in
06/17/15	20:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/17/15	21:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/17/15	22:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/17/15	23:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/18/15	00:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/18/15	01:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/18/15	02:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/18/15	03:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/18/15	04:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/18/15	05:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/18/15	06:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/18/15	07:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/18/15	08:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/18/15	09:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/18/15	10:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/18/15	11:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/18/15	12:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/18/15	13:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/18/15	14:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/18/15	15:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/18/15	16:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/18/15	17:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/18/15	18:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/18/15	19:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/18/15	20:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/18/15	21:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/18/15	22:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/18/15	23:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/19/15	00:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/19/15	01:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/19/15	02:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/19/15	03:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/19/15	04:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/19/15	05:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/19/15	06:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/19/15	07:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/19/15	08:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/19/15	09:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/19/15	10:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/19/15	11:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/19/15	12:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/19/15	13:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/19/15	14:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/19/15	15:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/19/15	16:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/19/15	17:00:00	480.0	1861.4	193.0	2054.4	Shut-in
06/19/15	18:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/19/15	19:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/19/15	20:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/19/15	21:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/19/15	22:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/19/15	23:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/20/15	00:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/20/15	01:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/20/15	02:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/20/15	03:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/20/15	04:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/20/15	05:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/20/15	06:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/20/15	07:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/20/15	08:00:00	480.0	1860.8	193.0	2053.8	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
06/20/15	09:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/20/15	10:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/20/15	11:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/20/15	12:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/20/15	13:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/20/15	14:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/20/15	15:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/20/15	16:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/20/15	17:00:00	480.0	1861.3	193.0	2054.3	Shut-in
06/20/15	18:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/20/15	19:00:00	480.0	1861.2	193.0	2054.2	Shut-in
06/20/15	20:00:00	480.0	1861.1	193.0	2054.1	Shut-in
06/20/15	21:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/20/15	22:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/20/15	23:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/21/15	00:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/21/15	01:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/21/15	02:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/21/15	03:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/21/15	04:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/21/15	05:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/21/15	06:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/21/15	07:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/21/15	08:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/21/15	09:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/21/15	10:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/21/15	11:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/21/15	12:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/21/15	13:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/21/15	14:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/21/15	15:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/21/15	16:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/21/15	17:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/21/15	18:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/21/15	19:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/21/15	20:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/21/15	21:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/21/15	22:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/21/15	23:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/22/15	00:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/22/15	01:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/22/15	02:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/22/15	03:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/22/15	04:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/22/15	05:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/22/15	06:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/22/15	07:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/22/15	08:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/22/15	09:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/22/15	10:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/22/15	11:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/22/15	12:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/22/15	13:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/22/15	14:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/22/15	15:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/22/15	16:00:00	480.0	1861.0	193.0	2054.0	Shut-in
06/22/15	17:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/22/15	18:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/22/15	19:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/22/15	20:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/22/15	21:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/22/15	22:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/22/15	23:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/23/15	00:00:00	480.0	1860.5	193.0	2053.5	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
06/23/15	01:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/23/15	02:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/23/15	03:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/23/15	04:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/23/15	05:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/23/15	06:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/23/15	07:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/23/15	08:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/23/15	09:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/23/15	10:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/23/15	11:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/23/15	12:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/23/15	13:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/23/15	14:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/23/15	15:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/23/15	16:00:00	480.0	1860.9	193.0	2053.9	Shut-in
06/23/15	17:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/23/15	18:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/23/15	19:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/23/15	20:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/23/15	21:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/23/15	22:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/23/15	23:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/24/15	00:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/24/15	01:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/24/15	02:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/24/15	03:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/24/15	04:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/24/15	05:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/24/15	06:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/24/15	07:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/24/15	08:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/24/15	09:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/24/15	10:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/24/15	11:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/24/15	12:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/24/15	13:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/24/15	14:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/24/15	15:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/24/15	16:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/24/15	17:00:00	480.0	1860.8	193.0	2053.8	Shut-in
06/24/15	18:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/24/15	19:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/24/15	20:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/24/15	21:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/24/15	22:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/24/15	23:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/25/15	00:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/25/15	01:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/25/15	02:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/25/15	03:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/25/15	04:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/25/15	05:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/25/15	06:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/25/15	07:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/25/15	08:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/25/15	09:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/25/15	10:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/25/15	11:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/25/15	12:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/25/15	13:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/25/15	14:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/25/15	15:00:00	480.0	1860.7	193.0	2053.7	Shut-in
06/25/15	16:00:00	480.0	1860.7	193.0	2053.7	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
06/25/15	17:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/25/15	18:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/25/15	19:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/25/15	20:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/25/15	21:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/25/15	22:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/25/15	23:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/26/15	00:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/26/15	01:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/26/15	02:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/26/15	03:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/26/15	04:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/26/15	05:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/26/15	06:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/26/15	07:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/26/15	08:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/26/15	09:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/26/15	10:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/26/15	11:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/26/15	12:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/26/15	13:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/26/15	14:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/26/15	15:00:00	480.0	1860.6	193.0	2053.6	Shut-in
06/26/15	16:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/26/15	17:00:00	480.0	1860.5	193.0	2053.5	Shut-in
06/26/15	18:00:00	480.0	1860.4	193.0	2053.4	Shut-in
06/26/15	19:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/26/15	20:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/26/15	21:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/26/15	22:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/26/15	23:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/27/15	00:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/27/15	01:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/27/15	02:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/27/15	03:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/27/15	04:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/27/15	05:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/27/15	06:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/27/15	07:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/27/15	08:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/27/15	09:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/27/15	10:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/27/15	11:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/27/15	12:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/27/15	13:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/27/15	14:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/27/15	15:00:00	480.0	1860.3	193.0	2053.3	Shut-in
06/27/15	16:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/27/15	17:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/27/15	18:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/27/15	19:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/27/15	20:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/27/15	21:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/27/15	22:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/27/15	23:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/28/15	00:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/28/15	01:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/28/15	02:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/28/15	03:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/28/15	04:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/28/15	05:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/28/15	06:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/28/15	07:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/28/15	08:00:00	480.0	1859.9	193.0	2052.9	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
06/28/15	09:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/28/15	10:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/28/15	11:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/28/15	12:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/28/15	13:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/28/15	14:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/28/15	15:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/28/15	16:00:00	480.0	1860.2	193.0	2053.2	Shut-in
06/28/15	17:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/28/15	18:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/28/15	19:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/28/15	20:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/28/15	21:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/28/15	22:00:00	480.0	1859.8	193.0	2052.8	Shut-in
06/28/15	23:00:00	480.0	1859.7	193.0	2052.7	Shut-in
06/29/15	00:00:00	480.0	1859.7	193.0	2052.7	Shut-in
06/29/15	01:00:00	480.0	1859.7	193.0	2052.7	Shut-in
06/29/15	02:00:00	480.0	1859.7	193.0	2052.7	Shut-in
06/29/15	03:00:00	480.0	1859.7	193.0	2052.7	Shut-in
06/29/15	04:00:00	480.0	1859.7	193.0	2052.7	Shut-in
06/29/15	05:00:00	480.0	1859.7	193.0	2052.7	Shut-in
06/29/15	06:00:00	480.0	1859.7	193.0	2052.7	Shut-in
06/29/15	07:00:00	480.0	1859.7	193.0	2052.7	Shut-in
06/29/15	08:00:00	480.0	1859.8	193.0	2052.8	Shut-in
06/29/15	09:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/29/15	10:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/29/15	11:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/29/15	12:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/29/15	13:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/29/15	14:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/29/15	15:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/29/15	16:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/29/15	17:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/29/15	18:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/29/15	19:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/29/15	20:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/29/15	21:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/29/15	22:00:00	480.0	1859.7	193.0	2052.7	Shut-in
06/29/15	23:00:00	480.0	1859.6	193.0	2052.6	Shut-in
06/30/15	00:00:00	480.0	1859.6	193.0	2052.6	Shut-in
06/30/15	01:00:00	480.0	1859.6	193.0	2052.6	Shut-in
06/30/15	02:00:00	480.0	1859.6	193.0	2052.6	Shut-in
06/30/15	03:00:00	480.0	1859.6	193.0	2052.6	Shut-in
06/30/15	04:00:00	480.0	1859.6	193.0	2052.6	Shut-in
06/30/15	05:00:00	480.0	1859.6	193.0	2052.6	Shut-in
06/30/15	06:00:00	480.0	1859.6	193.0	2052.6	Shut-in
06/30/15	07:00:00	480.0	1859.6	193.0	2052.6	Shut-in
06/30/15	08:00:00	480.0	1859.7	193.0	2052.7	Shut-in
06/30/15	09:00:00	480.0	1859.8	193.0	2052.8	Shut-in
06/30/15	10:00:00	480.0	1859.8	193.0	2052.8	Shut-in
06/30/15	11:00:00	480.0	1859.8	193.0	2052.8	Shut-in
06/30/15	12:00:00	480.0	1859.9	193.0	2052.9	Shut-in

Attachment 6 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
06/30/15	13:00:00	480.0	1860.0	193.0	2053.0	Shut-in
06/30/15	14:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/30/15	15:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/30/15	16:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/30/15	17:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/30/15	18:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/30/15	19:00:00	480.0	1860.1	193.0	2053.1	Shut-in
06/30/15	20:00:00	480.0	1859.9	193.0	2052.9	Shut-in
06/30/15	21:00:00	480.0	1859.8	193.0	2052.8	Shut-in
06/30/15	22:00:00	480.0	1859.5	193.0	2052.5	Shut-in
06/30/15	23:00:00	480.0	1859.4	193.0	2052.4	Shut-in
07/01/15	00:00:00	480.0	1859.4	193.0	2052.4	Shut-in

Monthly Statistics

February Average:	1695.5	193.0	1888.5
February Minimum:	1620.6	193.0	1813.6
February Maximum:	1734.5	193.0	1927.5
March Average:	1754.8	193.0	1947.8
March Minimum:	1646.4	193.0	1839.4
March Maximum:	1811.3	193.0	2004.3
April Average:	1841.0	193.0	2034.0
April Minimum:	1757.1	193.0	1950.1
April Maximum:	1891.3	193.0	2084.3
May Average:	1886.9	193.0	2079.9
May Minimum:	1863.0	193.0	2056.0
May Maximum:	1936.4	193.0	2129.4
June Average:	1862.4	193.0	2055.4
June Minimum:	1859.4	193.0	2052.4
June Maximum:	1895.7	193.0	2088.7

Quarterly Statistics

2015Q1 Average:	1732.6	193.0	1925.6
2015Q1 Minimum:	1620.6	193.0	1813.6
2015Q1 Maximum:	1811.3	193.0	2004.3
2015Q2 Average:	1865.1	193.0	2058.1
2015Q2 Minimum:	1757.1	193.0	1950.1
2015Q2 Maximum:	1936.4	193.0	2129.4

Notes:

1) Recorded tubing pressure and calculated bottom hole pressure data are missing beginning on 2/18/15 at 02:00:00 hours and ending on 2/20/15 at 15:00:00 hours because data were not recorded during this time due to a dead battery in the data recorder.
2) Recorded tubing pressure and calculated bottom hole pressure data are missing on 3/08/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
3) Recorded tubing pressure and calculated bottom hole pressure data are missing beginning on 3/16/15 from 19:00:00 hours to 20:00:00 hours because maintenance was being performed on the recording unit (batteries were replaced).
4) Recorded tubing pressure and calculated bottom hole pressure data are missing beginning on 4/16/15 at 09:00:00 hours and ending on 4/20/15 at 15:00:00 hours because the recording unit was not in service due to operator error.
5) Recorded tubing pressure and calculated bottom hole pressure data are missing beginning on 6/9/15 at 11:00:00 hours and ending on 6/10/15 at 16:00:00 hours because data were not recorded during this time due to a dead battery in the data recorder.

ATTACHMENT 7

List of Abbreviations used in Attachments 4 through 6

°F	Degrees Fahrenheit
Avg	Average
BHP	Bottomhole Pressure
I/W	Injection/Withdrawal
PSI	Pounds square inch
PSIA	Pounds square inch atmospheric
PSIG	Pounds square inch gauge
Max	Maximum
Min.	Minutes
Min	Minimum
MSCF	Thousand standard cubic feet
MSCFD	Thousand standard cubic feet per day
MMSCFD	Million standard cubic feet per day
MMSCFM	Million standard cubic feet per minute
Prod/SI	Producing or Shut-In
SCFM	Standard cubic feet per minute

ATTACHMENT 8

External Mechanical Integrity Test – June 18, 2015

Energy Procurement
Renewable Energy
Development
245 Market Street, Room 1344
San Francisco, CA 94105-1702

Mailing Address
Mail Code N13W
P. O. Box 770000
San Francisco, CA 94177-0001

July 6, 2015

Ms. Michele Dermer
EPA Region 9, WTR-9
75 Hawthorne St.
San Francisco, CA 94105

Subject: External Mechanical Integrity Test
PG&E Test Injection/Withdrawal Well 1
Permit No. R9UIC-CA5-FY13-1
King Island, San Joaquin County, California

Dear Ms. Dermer:

Section D.2.a.iii of Permit No. R9UIC-CA5-FY13-1 (the Permit) requires that PG&E conduct an external Mechanical Integrity Test (MIT) on PG&E Test Injection/Withdrawal (I/W) Well 1 to demonstrate that there is no fluid movement between zones through the cemented annulus, and that there are no leaks in the tubing, casing, packer and casing shoe. Section D.2.a.iii of the Permit stated that the external MIT shall be scheduled to occur approximately 90 days after the start of injection. In their letter to EPA dated April 9, 2015, PG&E requested EPA's approval to schedule the MIT approximately 120 days after the start of injection, and in an email to PG&E dated April 10, 2015, the EPA approved PG&E's request. The external MIT was performed on June 18, 2015, which was 124 days after the start of injection.

The external MIT was performed in accordance with the External Mechanical Integrity Test Procedure, prepared by Irani Engineering and dated March 16, 2015. The PG&E cover letter dated March 18, 2015 submitted to EPA with the MIT procedure provided justification for changes to the logging techniques specified in Section D.2.a.iii of the Permit, which were a thermal decay log and a spinner log. PG&E proposed that a noise survey be substituted for a spinner log and that a temperature decay log also be run in accordance with the procedures in Appendix D of the Permit. In their comments submitted to PG&E on April 6, 2015, EPA accepted the program to run a noise log and temperature decay log, but asked that PG&E justify omission of the thermal decay log. PG&E's April 9, 2015 letter to EPA indicated that the reference to a thermal decay log in Attachment P of the UIC application that led to its inclusion in the Permit was an error, and that the log should have been called a temperature decay log. EPA accepted this clarification in their email to PG&E dated April 10, 2015.

The external MIT program for the I/W well was initiated at 7:00 am on June 18, 2015. The noise and temperature decay logging was performed by Cogco Wireline and supervised by Hamid Irani with Irani Engineering. Joel Coffman with the EPA witnessed the logging operations. At the time of MIT logging, the I/W well had been shut-in for 14 days (since June 4, 2015). In accordance with EPA temperature logging requirements (Appendix D of the Permit), the temperature and the noise logging tools were run with a casing collar locator (CCL) tool and a historic gamma ray curve was added in track 1 of the logs. The gamma ray curve was obtained from the radial cement bond log (CBL) run on October 24, 2014, which is the only cased-hole gamma ray curve available for the I/W well. The two temperature logs and the noise log were run from surface to the bottom of the well at 4813'.

The first temperature log was run at a speed of 36 to 47 feet per minute, which is within the allowable range of 20 to 50 feet per minute specified in Appendix D of the Permit. The second temperature log was run at a logging speed of 36 feet per minute. The EPA representative approved the different logging speeds for the two temperature logs. The second temperature log was run about 4-hours after the first run, in accordance with the 4-hour minimum period between runs specified in Appendix D of the Permit. The EPA representative approved the horizontal scale for the temperature logs, which was 74 – 144 °F full scale for absolute temperature and 1 °F per inch for differential temperature.

The first and second temperature logs were compared and no anomalies indicating a possible loss of well mechanical integrity were noted. However, there is a significant change in temperature gradient that starts at approximately 4695' and continues to the total logging depth of 4813'. An uncharacteristic temperature increase occurs in the Mokelumne River Formation (MRF; from 4710' to total depth) and is most pronounced in the MRF sand lobes, which due to their higher permeability compared to the shale breaks, is where the injected air entered during the compression test. This localized temperature increase in the I/W well is currently under investigation.

The noise log was run in the time period between the first and second temperature logs. Noise data was recorded at 4741' (25 feet below casing shoe), 4716' (casing shoe depth), 4691' (25 feet above casing shoe), 4,639' (25 feet below packer), 4614' (packer depth) and 4589' (25 feet above packer), 4400' and then every 200' to surface. No leaks or suspected leak intervals were detected.

Based on the results of the temperature and noise logging conducted on June 18, 2015, there is no indication of a loss of mechanical integrity of the I/W well.

The external MIT temperature and noise logs and field report for Test Injection/Withdrawal Well 1 are enclosed as one hard copy each and as PDFs in a data CD. The files have also been uploaded to PG&E's Dropbox account, which can be accessed at the following link:

https://www.dropbox.com/sh/mf2qnl5v016e78f/AABIm-gfjIKWPpVCKe7hUgA6a?dl=0

If you have any questions regarding this submittal or require additional information, please feel free to contact me at (415) 973-6270.

Sincerely,

Mike Medeiros
Manager, Renewable Energy Development

Cc: Mr. James Walker, EPA Consultant
Mr. Michael Woods, Division of Oil, Gas and Geothermal Resources
Ms. Anne L. Olson, Central Valley Regional Water Quality Control Board

Enclosures:
(1) Temperature Log Run 1
(2) Temperature Log Run 2
(3) Temperature Log Runs 1 and 2
(4) Noise Log
(5) External MIT Field Report

ENCLOSURE 1

Temperature Log Run 1

Company:	PGNB
Well:	PGNB TEST SUBSTCHAPEL HANOVER NO.
Field:	SHE-DUNE NW
County:	SHE-LEGACY
State:	NH-CANADA
Country:	CANADA

Company:	PGNB
Well:	PGNB TEST SUBSTCHAPEL HANOVER NO. 1
Field:	SHE-DUNE NW
County:	SHE-LEGACY
State:	NH-CANADA
Country:	CANADA
Date:	2014-06-24
Time:	08:00:00
Log Type:	Temperature
Logging Unit:	1
Logging Company:	Halliburton
Logging Engineer:	Gerald Cormier
Witnessed By:	Jeff Ryan
Operator Rig:	Rig 1
Drill Pipe:	3.5 DP
Drill Collar:	4.75 DC
Bit Size:	8.5
Max Temp:	100
Max Rate:	30
Max Pressure:	1000
Cable Type:	Single Conductor
Cable Length:	1500
Cable Weight:	0.5
Cable Diameter:	0.25
Tool Type:	Temperature
Tool Serial Number:	1
Tool Length:	10
Tool Weight:	50
Tool Diameter:	1.75
Max Temp:	100
Max Pressure:	1000
Sensor Offset (ft):	0.00
Depth Reference:	KB
Elevation:	0
Log Interval:	0.5
Max Logging Speed:	30
Depth Correction:	0
Log Direction:	Down
Log Quality:	Good
Comments:	

Interpretations and opinions based on inferences from electrical or other measurements are our opinion and are based on assumptions we consider to be sound. We cannot guarantee the accuracy or correctness of any interpretation and we shall not be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our standard terms and conditions as set out in our current price schedule.

Comments

Historic Gamma Ray Log Taken From Halliburton CBL/NCL that was ran 24 Oct. 2014
EPA representative approved horizontal scale for temperature logs.
Tie - in to CBL/NCL log run 24 Oct. 2014 for depth calibration
and 2 degree per inch for delta temperature

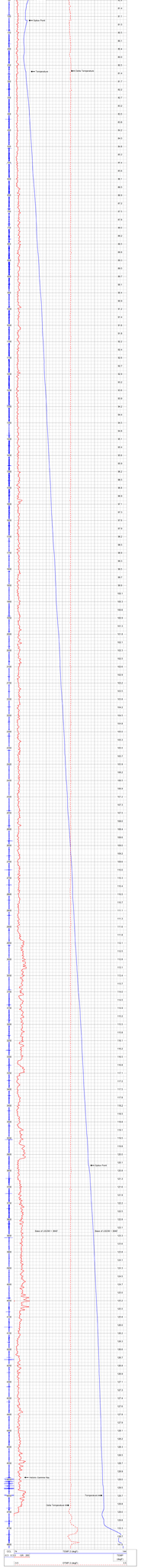
WELL SHUT IN FROM JUNE 4, 2015

Sensor	Offset (ft)	Schematic	Description	Left (ft)	OD (in)	WD (lb)
			27/8EUE8RD Swedge Gas Vent	1.00	1.49	10.00
			1JTS_0 1 1/2 Tubgsize Gas	5.00	1.49	40.00
			1JTS_0 1 1/2 Tubgsize Gas	5.00	1.49	40.00
			1JTS_0 1 1/2 Tubgsize Gas	5.00	1.49	40.00
			1JTS_0 1 1/2 Tubgsize Gas	5.00	1.49	40.00
CCL	4.00		CCL-NCS (ANCL, 32-NC)	2.00	1.38	500.00
			TEMP-NCS (ANC, 16-NC) +NC1 +3F 10JAR CCL	3.00	1.38	12.00
TEMP	8.00					

Cement Top: 25.18 (CCL) ft
Cement Top Source: Calculated
Total Weight: 1000.00 lb
Total Length: 19.18 ft
Max Diameter: 1.49 in

Gamma Ray: 25.18 (CCL) ft
Cement Top: 0 ft
Cement Top Source: Calculated
Total Weight: 1000.00 lb
Total Length: 19.18 ft
Max Diameter: 1.49 in

Gamma Ray: 25.18 (CCL) ft left of 1.49
Cement Top: 0 ft
Cement Top Source: Calculated
Total Weight: 1000.00 lb
Total Length: 19.18 ft
Max Diameter: 1.49 in



ENCLOSURE 2

Temperature Log Run 2

Company	PG&E
Well	PG&E TEST INJECTION/WITHDRAWAL
Field	KING ISLAND GAS
County	SAN JOAQUIN
State	CALIFORNIA

TEMPERATURE SURVEY RUN TWO

COGCO Wireline Services INC.

Company PG&E
Well PG&E TEST INJECTION/WITHDRAWAL WELL 1
Field KING ISLAND GAS
County SAN JOAQUIN State CALIFORNIA
Location: API #: 04-077-20739
NAD27: X:1734880.641 Y:577346.753
NAD83: LAT:38.081988814 LONG:-121.42216054
SEC 27 TWP 3N RGE 5E

Other Services: NOISE SURVEY

Permanent Datum G.L. Elevation -3.8'
Log Measured From K.B. 12'
Drilling Measured From K.B.

Elevation: K.B. 8.3' D.F. ------ G.L. -3.8'

Date	6-18-2015
Run Number	TWO
Depth Driller	4813'
Depth Logger	4813'
Bottom Logged Interval	4813'
Top Log Interval	SURFACE
Open Hole Size	N/A
Type Fluid	N/A
Density / Viscosity	N/A
Max. Recorded Temp.	141.8 DEG. F.
Estimated Cement Top	N/A
Time Well Ready	8:30AM/3:06PM
Time Logger on Bottom	11:AM/6:21PM
Equipment Number	740/MAST
Location	WOODLAND
Recorded By	JAMES LEWIS
Witnessed By	MR. HAMID IRANI / EPA / JOEL COFFMAN

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To
5 1/2"	17# J-55	SURFACE	4614'

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13 5/8"	54.5# J-55	SURFACE	630'
Prot. String				
Production String	9 5/8"	40# J-55&N-80	SURFACE	4716'
Liner	5 1/2"	WIRE WRAP	4687'	4814'

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Historic Gamma Ray Log Taken From Halliburton CBL/NCL that was ran 24 Oct. 2014
EPA representative approved horizontal scale for temperature logs;
74 - 144 degrees F. full scale for absolute temperature
and 1 degree per inch for delta temperature.

WELL SHUT IN FROM JUNE 4, 2015

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STNDRD Standard Cable Head	1.00	1.44	10.00
			169_5 1 11/16" Tungsten Bar	5.00	1.69	60.00
			169_5 1 11/16" Tungsten Bar	5.00	1.69	60.00
			169_5 1 11/16" Tungsten Bar	5.00	1.69	60.00
			169_5 1 11/16" Tungsten Bar	5.00	1.69	60.00
CCL	4.00		CCL-AES (AES_12-45)	2.00	1.38	500.00
TEMP	0.35		TEMP-AES (ASE_16-34) AES 1 3/8" TEMP TOOL	3.00	1.38	10.00

Dataset: (6-18-2015) pge test iw well 1.db: field/well/run1/merge14
Total Length: 26.00 ft
Total Weight: 760.00 lb
O.D. 1.69 in

Database File: (6-18-2015) pge test iw well 1.db
Dataset Pathname: merge12
Presentation Format: temp7
Dataset Creation: Thu Jun 18 19:06:59 2015
Charted by: Depth in Feet scaled 1:600

ENCLOSURE 3

Temperature Log Runs 1 and 2

TEMPERATURE SURVEY RUN ONE AND TWO COMBINED

COGCO Wireline Services INC.

Company	PG&E
Well	PG&E TEST INJECTION/WITHDRAWAL
Field	KING ISLAND GAS
County	SAN JOAQUIN
State	CALIFORNIA

Company PG&E

Well PG&E TEST INJECTION/WITHDRAWAL WELL 1

Field KING ISLAND GAS

County SAN JOAQUIN State CALIFORNIA

Location: API #: 04-077-20739

NAD27: X:1734880.641 Y:577346.753

NAD83: LAT:38.08198814 LONG:-121.42216054

SEC 27 TWP 3N RGE 5E

Other Services: NOISE SURVEY

Permanent Datum	G.L.	Elevation	-3.8'
Log Measured From	K.B. 12'		
Drilling Measured From	K.B.		

Elevation: K.B. 8.3', D.F. ------, G.L. -3.8'

Date	6-18-2015
Run Number	ONE AND THREE
Depth Driller	4813'
Depth Logger	4813'
Bottom Logged Interval	4813'
Top Log Interval	SURFACE
Open Hole Size	N/A
Type Fluid	N/A
Density / Viscosity	N/A
Max. Recorded Temp.	141.8 DEG. F.
Estimated Cement Top	N/A
Time Well Ready	8:30AM/3:06PM
Time Logger on Bottom	11:AM/6:21PM
Equipment Number	740/MAST
Location	WOODLAND
Recorded By	JAMES LEWIS
Witnessed By	MR. HAMID IRANI, EPA, JOEL COFFMAN

Borehole Record			Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				5 1/2"	17# J-55	SURFACE	4614'

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13 5/8"	54.5# J-55	SURFACE	630'
Prot. String				
Production String	9 5/8"	40# J-55&N-80	SURFACE	4716'
Liner	5 1/2"	WIRE WRAP	4687'	4814'

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Comments

Historic Gamma Ray Log Taken From Halliburton CBL/NCL that was ran 24 Oct. 2014
EPA representative approved horizontal scale for temperature logs;
74 - 144 degrees F. full scale for absolute temperature
and 1 degree per inch for delta temperature.

WELL SHUT IN FROM JUNE 4, 2015

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STNDRD Standard Cable Head	1.00	1.44	10.00
			169_5 1 11/16" Tungsten Bar	5.00	1.69	60.00
			169_5 1 11/16" Tungsten Bar	5.00	1.69	60.00
			169_5 1 11/16" Tungsten Bar	5.00	1.69	60.00
			169_5 1 11/16" Tungsten Bar	5.00	1.69	60.00
CCL	4.00		CCL-AES (AES_12-45)	2.00	1.38	500.00
TEMP	0.35		TEMP-AES (ASE_16-34) AES 1 3/8" TEMP TOOL	3.00	1.38	10.00

Dataset: (6-18-2015) pge test iw well 1.db: field/well/run1/merge14
Total Length: 26.00 ft
Total Weight: 760.00 lb
O.D. 1.69 in

Database File: (6-18-2015) pge test iw well 1.db
Dataset Pathname: merge13
Presentation Format: temp7
Dataset Creation: Thu Jun 18 19:30:47 2015
Charted by: Depth in Feet scaled 1:600

ENCLOSURE 4

Noise Log

Company:	PGNF
Field:	ZONE 1 ELECTIONTWINNING
Well:	WELSER NO. 1
County:	DALLEGION
State:	OLYCHAN
Country:	CANADA

NOISE SURVEY

Date:	2015/06/24
Time:	14:00
Depth:	1001.00
Fluid Level:	0.00
Fluid Type:	WATER
Pump Type:	NONE
Pump Depth:	0.00
Tubing Size:	0.00
Tubing Wgt:	0.00
Tubing Type:	NONE
Casing Size:	0.00
Casing Wgt:	0.00
Casing Type:	NONE
Perforations:	0.00
Gas Rate:	0.00
Oil Rate:	0.00
Water Rate:	0.00
Gas Gravity:	0.00
Oil Gravity:	0.00
Water Salinity:	0.00
Gas Meter:	NONE
Orifice Size:	0.00
Meter Run:	0.00
Static Pressure:	0.00
Diff. Pressure:	0.00
Flow Temp:	0.00
Flow Time:	0.00
Gas Flow Rate:	0.00
Oil Flow Rate:	0.00
Water Flow Rate:	0.00
Comments:	

All interpretations are given based on information that accompanies the data and are based on and are limited to the quality and completeness of the information provided to Gamma Ray Logs Inc. Gamma Ray Logs Inc. makes no representations or warranties, express or implied, as to the accuracy or completeness of any interpretation or recommendation by anyone reading from any interpretation made by any of our officers, agents or employees. These interpretations are data subject to our standard terms and conditions, which are available upon request.

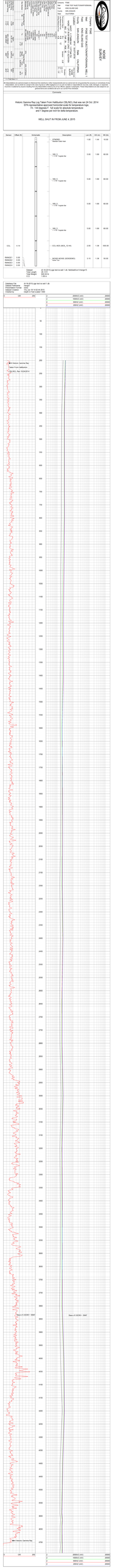
Comments

Historic Gamma Ray Log Taken From Halliburton CBL/NCL. Well was ran 24 Oct. 2014
EPA representative approved horizontal scale for temperature logs.
74 - 124 degrees F. full scale for absolute temperature
and 7 degree per inch for delta temperature.

WELL SHUT IN FROM JUNE 4, 2015

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CENTRED Centered Tube Head	1.00	1.44	10.00
			NOISE_5 1 1/16 Trypsen Sec	5.00	1.69	60.00
			NOISE_5 1 1/16 Trypsen Sec	5.00	1.69	60.00
			NOISE_5 1 1/16 Trypsen Sec	5.00	1.69	60.00
			NOISE_5 1 1/16 Trypsen Sec	5.00	1.69	60.00
CO_2	4.14		CO_2 HES 2INCS_10 HAL	2.05	1.38	500.00
			NOISE NOISE (DOSSIER) Noise Tool	3.11	1.38	50.00
RANGE1	0.00					
RANGE2	0.00					
RANGE3	0.00					
RANGE4	0.00					

Datalane File: JS-18-2013.cge test w set 1.db
Datalane Version: 10.0.0
Requisitioned Format: Noise
Created by: Version 10.0.0.0 (64bit)
Created by: Depth in Feet (scale) 1:500



ENCLOSURE 5

External MIT Field Report

PG&E
External MIT Report

DATE	June 18, 2015			**REPORT #**	1
LEASE #		**DWC**		**ACT.DAYS**	1
		TWC		**PR. DEPTH**	4813'
OBJECTIVE FORMATION	Mokelumne	**WELL TYPE**	CAES	**LOCATION:**	King Island
WELL NAME	PG&E Test I-W Well No. 1	**CNTY/STATE**	San Joaquin, CA	**API #**	077-20739
RIG		**LAST CSG.**	9-5/8", 40.0#, J-55/N-80	**SET @**	4716
LAST BOP TEST				**CO. MAN:**	Hamid Irani (916 716-3422)

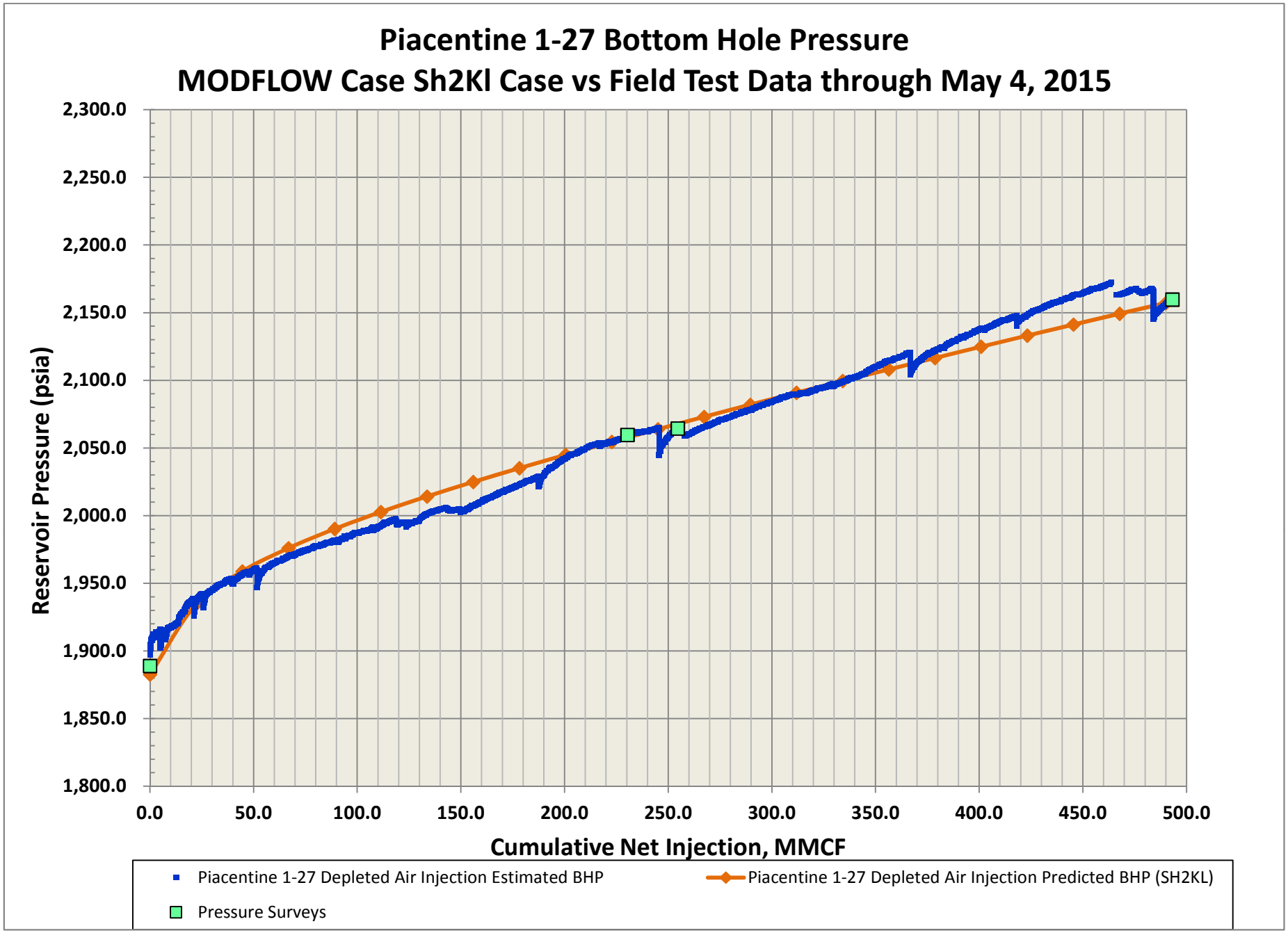
Time	HRS.		OPERATIONS SUMMARY
07:00			Moved in Cogco Wireline. Attended safety meeting with Cogco. Rigged up mast. Found the well shut-in (since 06/04/15) with 1810/136 psia. Removed Well cap. Installed 3-1/2"-EUE X 5-1/2"LTC cross-over on PG&E Test I-W well No.1. Nippled up Cogco lubricator. Opened the well (08:30) and RIH with Temperature/CCL Tools. Wireline stopped at 70'. Pulled out wireline and added another sinker bar and started running in hole with Temperature/CCL tools (09:00). **Ran Temperature Logs from Surface to 4813'**. Cogco ran temperature/CCL tools from surface to 4813' (tagged) at a speed of 36'~47' per minute and recorded temperature data, witnessed and approved by EPA representative. POOH (11:00). Laid down temperature tool. Picked up noise tool. **Ran Noise Logs**. Cogco ran Noise/CCL tools to 4741' and recorded noise data at 4741', 4716', 4691', 4639', 4614', 4589', 4400' and then every 200' to 200' from surface. EPA representative witnessed and approved noise logging. No leaks or suspected leak interval was detected. Pulled out and laid down noise tools. Shut the well in. Picked up temperature tool. Opened well (15:00, 4 hours after the first temperature log). Found the well with 1810/137 psig. RIH with wireline and temperature and CCL tools. **Ran Temperature Logs from Surface to 4813'**. Cogco ran temperature/CCL tools from surface to 4813' at a speed of 36' per minute and recorded temperature data, witnessed and approved by EPA. Compared the log to the first temperature log and did not notice any anomalies. POOH with logging tools and wireline. Closed well (18:30). Laid down tools. Removed cross-over. Cameron changed cap O-ring and installed cap. Opened master valves and did not notice any leak off the cap. Locked out all of the tree valves. Secured well. Moved Cogo off location.
20:30			
			Daily Water Use: **Total Water Use:**
Tot. Hrs.	13.5 hrs.		

REMARKS:

ATTACHMENT 9

Comparison of Estimated and Predicted Bottomhole Pressures

Piacentine 1-27


Piacentine 1-27 Bottom Hole Pressure
MODFLOW Case Sh2Kl Case vs Field Test Data through May 4, 2015
Reservoir Pressure (psia)
2,300.0
2,250.0
2,200.0
2,150.0
2,100.0
2,050.0
2,000.0
1,950.0
1,900.0
1,850.0
1,800.0
0.0
50.0
100.0
150.0
200.0
250.0
300.0
350.0
400.0
450.0
500.0
Cumulative Net Injection, MMCF
Piacentine 1-27 Depleted Air Injection Estimated BHP
Piacentine 1-27 Depleted Air Injection Predicted BHP (SH2KL)
Pressure Surveys

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
02/14/15	13:00:00	0.1	1702.4	195.0	1,897.4
02/14/15	14:00:00	0.1	1702.9	195.0	1,897.9
02/14/15	15:00:00	0.2	1706.8	195.0	1,901.8
02/14/15	16:00:00	0.3	1709.7	195.0	1,904.7
02/14/15	17:00:00	0.4	1711.8	195.0	1,906.8
02/14/15	18:00:00	0.4	1711.0	195.0	1,906.0
02/14/15	19:00:00	0.5	1711.3	195.0	1,906.3
02/14/15	20:00:00	0.6	1712.0	195.0	1,907.0
02/14/15	21:00:00	0.6	1712.8	195.0	1,907.8
02/14/15	22:00:00	0.7	1713.4	195.0	1,908.4
02/14/15	23:00:00	0.8	1714.1	195.0	1,909.1
02/15/15	00:00:00	0.8	1714.3	195.0	1,909.3
02/15/15	01:00:00	0.9	1714.4	195.0	1,909.4
02/15/15	02:00:00	1.0	1714.4	195.0	1,909.4
02/15/15	03:00:00	1.0	1713.3	195.0	1,908.3
02/15/15	04:00:00	1.1	1714.5	195.0	1,909.5
02/15/15	05:00:00	1.2	1715.5	195.0	1,910.5
02/15/15	06:00:00	1.3	1716.2	195.0	1,911.2
02/15/15	07:00:00	1.4	1716.4	195.0	1,911.4
02/15/15	08:00:00	1.5	1717.1	195.0	1,912.1
02/15/15	09:00:00	1.6	1717.4	195.0	1,912.4
02/15/15	10:00:00	1.6	1717.2	195.0	1,912.2
02/15/15	11:00:00	1.7	1716.9	195.0	1,911.9
02/15/15	12:00:00	1.8	1716.9	195.0	1,911.9
02/15/15	13:00:00	1.8	1717.0	195.0	1,912.0
02/15/15	14:00:00	1.9	1716.5	195.0	1,911.5
02/15/15	15:00:00	2.0	1715.2	195.0	1,910.2
02/15/15	16:00:00	2.0	1715.5	195.0	1,910.5
02/15/15	17:00:00	2.1	1715.9	195.0	1,910.9
02/15/15	18:00:00	2.2	1716.1	195.0	1,911.1
02/15/15	19:00:00	2.2	1716.2	195.0	1,911.2
02/15/15	20:00:00	2.3	1716.8	195.0	1,911.8
02/15/15	21:00:00	2.4	1717.0	195.0	1,912.0
02/15/15	22:00:00	2.5	1717.3	195.0	1,912.3
02/15/15	23:00:00	2.6	1717.4	195.0	1,912.4
02/16/15	00:00:00	2.6	1717.7	195.0	1,912.7
02/16/15	01:00:00	2.7	1717.7	195.0	1,912.7
02/16/15	02:00:00	2.8	1718.3	195.0	1,913.3
02/16/15	03:00:00	2.9	1718.5	195.0	1,913.5
02/16/15	04:00:00	3.0	1718.8	195.0	1,913.8

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
02/16/15	05:00:00	3.1	1719.0	195.0	1,914.0
02/16/15	06:00:00	3.1	1719.0	195.0	1,914.0
02/16/15	07:00:00	3.2	1719.0	195.0	1,914.0
02/16/15	08:00:00	3.3	1719.1	195.0	1,914.1
02/16/15	09:00:00	3.4	1719.2	195.0	1,914.2
02/16/15	10:00:00	3.5	1719.2	195.0	1,914.2
02/16/15	11:00:00	3.5	1719.2	195.0	1,914.2
02/16/15	12:00:00	3.6	1719.1	195.0	1,914.1
02/16/15	13:00:00	3.7	1718.7	195.0	1,913.7
02/16/15	14:00:00	3.8	1718.5	195.0	1,913.5
02/16/15	15:00:00	3.8	1718.0	195.0	1,913.0
02/16/15	16:00:00	3.9	1717.8	195.0	1,912.8
02/16/15	17:00:00	4.0	1717.9	195.0	1,912.9
02/16/15	18:00:00	4.0	1718.4	195.0	1,913.4
02/16/15	19:00:00	4.1	1718.5	195.0	1,913.5
02/16/15	20:00:00	4.2	1718.5	195.0	1,913.5
02/16/15	21:00:00	4.3	1718.7	195.0	1,913.7
02/16/15	22:00:00	4.3	1719.0	195.0	1,914.0
02/16/15	23:00:00	4.4	1719.1	195.0	1,914.1
02/17/15	00:00:00	4.5	1719.4	195.0	1,914.4
02/17/15	01:00:00	4.6	1719.4	195.0	1,914.4
02/17/15	02:00:00	4.7	1719.9	195.0	1,914.9
02/17/15	03:00:00	4.8	1719.9	195.0	1,914.9
02/17/15	04:00:00	4.8	1720.0	195.0	1,915.0
02/17/15	05:00:00	4.9	1720.6	195.0	1,915.6
02/17/15	06:00:00	5.0	1720.7	195.0	1,915.7
02/17/15	07:00:00	5.0	1718.8	195.0	1,913.8
02/17/15	08:00:00	5.0	1716.2	195.0	1,911.2
02/17/15	09:00:00	5.0	1714.5	195.0	1,909.5
02/17/15	10:00:00	5.0	1713.4	195.0	1,908.4
02/17/15	11:00:00	5.0	1712.6	195.0	1,907.6
02/17/15	12:00:00	5.0	1712.0	195.0	1,907.0
02/17/15	13:00:00	5.0	1711.4	195.0	1,906.4
02/17/15	14:00:00	5.0	1711.0	195.0	1,906.0
02/17/15	15:00:00	5.0	1710.5	195.0	1,905.5
02/17/15	16:00:00	5.0	1710.3	195.0	1,905.3
02/17/15	17:00:00	5.0	1709.7	195.0	1,904.7
02/17/15	18:00:00	5.0	1709.6	195.0	1,904.6
02/17/15	19:00:00	5.0	1709.6	195.0	1,904.6
02/17/15	20:00:00	5.0	1709.5	195.0	1,904.5

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
02/17/15	21:00:00	5.0	1709.0	195.0	1,904.0
02/17/15	22:00:00	5.0	1708.9	195.0	1,903.9
02/17/15	23:00:00	5.0	1708.9	195.0	1,903.9
02/18/15	00:00:00	5.0	1708.9	195.0	1,903.9
02/18/15	01:00:00	5.0	1708.5	195.0	1,903.5
02/18/15	02:00:00	5.0	1708.3	195.0	1,903.3
02/18/15	03:00:00	5.0	1708.2	195.0	1,903.2
02/18/15	04:00:00	5.0	1708.2	195.0	1,903.2
02/18/15	05:00:00	5.0	1708.2	195.0	1,903.2
02/18/15	06:00:00	5.0	1708.2	195.0	1,903.2
02/18/15	07:00:00	5.0	1708.2	195.0	1,903.2
02/18/15	08:00:00	5.0	1708.2	195.0	1,903.2
02/18/15	09:00:00	5.0	1708.2	195.0	1,903.2
02/18/15	10:00:00	5.0	1708.2	195.0	1,903.2
02/18/15	11:00:00	5.0	1708.1	195.0	1,903.1
02/18/15	12:00:00	5.0	1708.0	195.0	1,903.0
02/18/15	13:00:00	5.0	1707.8	195.0	1,902.8
02/18/15	14:00:00	5.0	1707.7	195.0	1,902.7
02/18/15	15:00:00	5.0	1707.5	195.0	1,902.5
02/18/15	16:00:00	5.0	1707.4	195.0	1,902.4
02/18/15	17:00:00	5.0	1707.5	195.0	1,902.5
02/18/15	18:00:00	5.0	1707.4	195.0	1,902.4
02/18/15	19:00:00	5.0	1707.4	195.0	1,902.4
02/18/15	20:00:00	5.0	1707.4	195.0	1,902.4
02/18/15	21:00:00	5.0	1707.4	195.0	1,902.4
02/18/15	22:00:00	5.0	1707.4	195.0	1,902.4
02/18/15	23:00:00	5.1	1708.4	195.0	1,903.4
02/19/15	00:00:00	5.2	1710.8	195.0	1,905.8
02/19/15	01:00:00	5.2	1712.5	195.0	1,907.5
02/19/15	02:00:00	5.2	1711.2	195.0	1,906.2
02/19/15	03:00:00	5.2	1710.1	195.0	1,905.1
02/19/15	04:00:00	5.2	1709.5	195.0	1,904.5
02/19/15	05:00:00	5.3	1711.3	195.0	1,906.3
02/19/15	06:00:00	5.4	1713.0	195.0	1,908.0
02/19/15	07:00:00	5.5	1714.2	195.0	1,909.2
02/19/15	08:00:00	5.5	1715.2	195.0	1,910.2
02/19/15	09:00:00	5.6	1715.8	195.0	1,910.8
02/19/15	10:00:00	5.7	1716.2	195.0	1,911.2
02/19/15	11:00:00	5.8	1716.8	195.0	1,911.8
02/19/15	12:00:00	5.8	1717.2	195.0	1,912.2

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
02/19/15	13:00:00	5.9	1717.6	195.0	1,912.6
02/19/15	14:00:00	6.0	1717.7	195.0	1,912.7
02/19/15	15:00:00	6.1	1718.0	195.0	1,913.0
02/19/15	16:00:00	6.1	1718.5	195.0	1,913.5
02/19/15	17:00:00	6.2	1718.5	195.0	1,913.5
02/19/15	18:00:00	6.3	1718.6	195.0	1,913.6
02/19/15	19:00:00	6.4	1718.8	195.0	1,913.8
02/19/15	20:00:00	6.5	1719.1	195.0	1,914.1
02/19/15	21:00:00	6.5	1719.1	195.0	1,914.1
02/19/15	22:00:00	6.6	1719.1	195.0	1,914.1
02/19/15	23:00:00	6.7	1719.4	195.0	1,914.4
02/20/15	00:00:00	6.8	1719.8	195.0	1,914.8
02/20/15	01:00:00	6.8	1719.9	195.0	1,914.9
02/20/15	02:00:00	6.9	1719.9	195.0	1,914.9
02/20/15	03:00:00	7.0	1719.9	195.0	1,914.9
02/20/15	04:00:00	7.1	1719.9	195.0	1,914.9
02/20/15	05:00:00	7.2	1720.5	195.0	1,915.5
02/20/15	06:00:00	7.2	1720.6	195.0	1,915.6
02/20/15	07:00:00	7.3	1720.7	195.0	1,915.7
02/20/15	08:00:00	7.4	1720.7	195.0	1,915.7
02/20/15	09:00:00	7.5	1720.7	195.0	1,915.7
02/20/15	10:00:00	7.6	1720.7	195.0	1,915.7
02/20/15	11:00:00	7.6	1719.7	195.0	1,914.7
02/20/15	12:00:00	7.6	1717.2	195.0	1,912.2
02/20/15	13:00:00	7.6	1715.4	195.0	1,910.4
02/20/15	14:00:00	7.6	1714.4	195.0	1,909.4
02/20/15	15:00:00	7.6	1713.6	195.0	1,908.6
02/20/15	16:00:00	7.6	1713.6	195.0	1,908.6
02/20/15	17:00:00	7.7	1715.7	195.0	1,910.7
02/20/15	18:00:00	7.7	1717.2	195.0	1,912.2
02/20/15	19:00:00	7.7	1715.5	195.0	1,910.5
02/20/15	20:00:00	7.8	1715.7	195.0	1,910.7
02/20/15	21:00:00	7.9	1717.3	195.0	1,912.3
02/20/15	22:00:00	8.0	1718.5	195.0	1,913.5
02/20/15	23:00:00	8.1	1719.3	195.0	1,914.3
02/21/15	00:00:00	8.2	1719.9	195.0	1,914.9
02/21/15	01:00:00	8.2	1720.5	195.0	1,915.5
02/21/15	02:00:00	8.3	1720.7	195.0	1,915.7
02/21/15	03:00:00	8.4	1721.1	195.0	1,916.1
02/21/15	04:00:00	8.5	1721.4	195.0	1,916.4

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
02/21/15	05:00:00	8.6	1721.4	195.0	1,916.4
02/21/15	06:00:00	8.7	1721.7	195.0	1,916.7
02/21/15	07:00:00	8.8	1722.1	195.0	1,917.1
02/21/15	08:00:00	8.8	1722.1	195.0	1,917.1
02/21/15	09:00:00	8.9	1722.1	195.0	1,917.1
02/21/15	10:00:00	9.0	1722.2	195.0	1,917.2
02/21/15	11:00:00	9.1	1722.5	195.0	1,917.5
02/21/15	12:00:00	9.2	1722.5	195.0	1,917.5
02/21/15	13:00:00	9.3	1722.7	195.0	1,917.7
02/21/15	14:00:00	9.4	1722.5	195.0	1,917.5
02/21/15	15:00:00	9.4	1722.1	195.0	1,917.1
02/21/15	16:00:00	9.5	1722.1	195.0	1,917.1
02/21/15	17:00:00	9.6	1722.1	195.0	1,917.1
02/21/15	18:00:00	9.7	1722.1	195.0	1,917.1
02/21/15	19:00:00	9.7	1722.2	195.0	1,917.2
02/21/15	20:00:00	9.8	1722.5	195.0	1,917.5
02/21/15	21:00:00	9.9	1722.6	195.0	1,917.6
02/21/15	22:00:00	10.0	1722.8	195.0	1,917.8
02/21/15	23:00:00	10.1	1722.8	195.0	1,917.8
02/22/15	00:00:00	10.2	1722.9	195.0	1,917.9
02/22/15	01:00:00	10.2	1722.8	195.0	1,917.8
02/22/15	02:00:00	10.3	1722.9	195.0	1,917.9
02/22/15	03:00:00	10.4	1722.9	195.0	1,917.9
02/22/15	04:00:00	10.5	1722.9	195.0	1,917.9
02/22/15	05:00:00	10.6	1722.9	195.0	1,917.9
02/22/15	06:00:00	10.6	1723.0	195.0	1,918.0
02/22/15	07:00:00	10.7	1723.2	195.0	1,918.2
02/22/15	08:00:00	10.8	1723.6	195.0	1,918.6
02/22/15	09:00:00	10.9	1723.6	195.0	1,918.6
02/22/15	10:00:00	11.0	1723.6	195.0	1,918.6
02/22/15	11:00:00	11.0	1723.7	195.0	1,918.7
02/22/15	12:00:00	11.1	1723.6	195.0	1,918.6
02/22/15	13:00:00	11.2	1723.6	195.0	1,918.6
02/22/15	14:00:00	11.3	1723.5	195.0	1,918.5
02/22/15	15:00:00	11.4	1723.5	195.0	1,918.5
02/22/15	16:00:00	11.4	1723.6	195.0	1,918.6
02/22/15	17:00:00	11.5	1723.7	195.0	1,918.7
02/22/15	18:00:00	11.6	1723.7	195.0	1,918.7
02/22/15	19:00:00	11.7	1724.0	195.0	1,919.0
02/22/15	20:00:00	11.8	1724.2	195.0	1,919.2

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
02/22/15	21:00:00	11.9	1724.3	195.0	1,919.3
02/22/15	22:00:00	12.0	1724.4	195.0	1,919.4
02/22/15	23:00:00	12.0	1724.4	195.0	1,919.4
02/23/15	00:00:00	12.1	1724.9	195.0	1,919.9
02/23/15	01:00:00	12.2	1725.1	195.0	1,920.1
02/23/15	02:00:00	12.3	1725.1	195.0	1,920.1
02/23/15	03:00:00	12.4	1725.1	195.0	1,920.1
02/23/15	04:00:00	12.5	1725.1	195.0	1,920.1
02/23/15	05:00:00	12.6	1725.1	195.0	1,920.1
02/23/15	06:00:00	12.7	1725.2	195.0	1,920.2
02/23/15	07:00:00	12.8	1725.2	195.0	1,920.2
02/23/15	08:00:00	12.8	1725.5	195.0	1,920.5
02/23/15	09:00:00	12.9	1725.7	195.0	1,920.7
02/23/15	10:00:00	13.0	1725.7	195.0	1,920.7
02/23/15	11:00:00	13.1	1725.7	195.0	1,920.7
02/23/15	12:00:00	13.2	1725.4	195.0	1,920.4
02/23/15	13:00:00	13.3	1725.2	195.0	1,920.2
02/23/15	14:00:00	13.3	1725.2	195.0	1,920.2
02/23/15	15:00:00	13.5	1725.4	195.0	1,920.4
02/23/15	16:00:00	13.6	1727.1	195.0	1,922.1
02/23/15	17:00:00	13.7	1728.5	195.0	1,923.5
02/23/15	18:00:00	13.9	1729.8	195.0	1,924.8
02/23/15	19:00:00	14.1	1730.5	195.0	1,925.5
02/23/15	20:00:00	14.2	1730.5	195.0	1,925.5
02/23/15	21:00:00	14.3	1729.8	195.0	1,924.8
02/23/15	22:00:00	14.4	1730.7	195.0	1,925.7
02/23/15	23:00:00	14.6	1731.3	195.0	1,926.3
02/24/15	00:00:00	14.7	1731.8	195.0	1,926.8
02/24/15	01:00:00	14.9	1732.2	195.0	1,927.2
02/24/15	02:00:00	15.0	1732.3	195.0	1,927.3
02/24/15	03:00:00	15.2	1732.3	195.0	1,927.3
02/24/15	04:00:00	15.3	1732.3	195.0	1,927.3
02/24/15	05:00:00	15.5	1732.4	195.0	1,927.4
02/24/15	06:00:00	15.6	1733.0	195.0	1,928.0
02/24/15	07:00:00	15.8	1733.2	195.0	1,928.2
02/24/15	08:00:00	15.9	1733.6	195.0	1,928.6
02/24/15	09:00:00	16.0	1733.8	195.0	1,928.8
02/24/15	10:00:00	16.2	1733.8	195.0	1,928.8
02/24/15	11:00:00	16.3	1733.8	195.0	1,928.8
02/24/15	12:00:00	16.5	1733.8	195.0	1,928.8

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
02/24/15	13:00:00	16.6	1733.8	195.0	1,928.8
02/24/15	14:00:00	16.8	1735.3	195.0	1,930.3
02/24/15	15:00:00	17.0	1736.4	195.0	1,931.4
02/24/15	16:00:00	17.2	1737.3	195.0	1,932.3
02/24/15	17:00:00	17.4	1737.9	195.0	1,932.9
02/24/15	18:00:00	17.6	1738.6	195.0	1,933.6
02/24/15	19:00:00	17.8	1738.6	195.0	1,933.6
02/24/15	20:00:00	18.0	1739.3	195.0	1,934.3
02/24/15	21:00:00	18.2	1739.8	195.0	1,934.8
02/24/15	22:00:00	18.4	1740.1	195.0	1,935.1
02/24/15	23:00:00	18.6	1740.5	195.0	1,935.5
02/25/15	00:00:00	18.8	1740.5	195.0	1,935.5
02/25/15	01:00:00	19.0	1741.1	195.0	1,936.1
02/25/15	02:00:00	19.2	1741.3	195.0	1,936.3
02/25/15	03:00:00	19.4	1741.7	195.0	1,936.7
02/25/15	04:00:00	19.6	1741.9	195.0	1,936.9
02/25/15	05:00:00	19.8	1741.9	195.0	1,936.9
02/25/15	06:00:00	20.0	1741.9	195.0	1,936.9
02/25/15	07:00:00	20.2	1742.7	195.0	1,937.7
02/25/15	08:00:00	20.5	1742.9	195.0	1,937.9
02/25/15	09:00:00	20.7	1743.4	195.0	1,938.4
02/25/15	10:00:00	20.9	1743.5	195.0	1,938.5
02/25/15	11:00:00	21.0	1742.4	195.0	1,937.4
02/25/15	12:00:00	21.1	1741.2	195.0	1,936.2
02/25/15	13:00:00	21.3	1740.3	195.0	1,935.3
02/25/15	14:00:00	21.3	1736.6	195.0	1,931.6
02/25/15	15:00:00	21.3	1734.0	195.0	1,929.0
02/25/15	16:00:00	21.3	1732.2	195.0	1,927.2
02/25/15	17:00:00	21.3	1730.8	195.0	1,925.8
02/25/15	18:00:00	21.4	1731.4	195.0	1,926.4
02/25/15	19:00:00	21.5	1734.0	195.0	1,929.0
02/25/15	20:00:00	21.8	1737.5	195.0	1,932.5
02/25/15	21:00:00	22.0	1739.8	195.0	1,934.8
02/25/15	22:00:00	22.2	1741.1	195.0	1,936.1
02/25/15	23:00:00	22.4	1741.9	195.0	1,936.9
02/26/15	00:00:00	22.7	1742.8	195.0	1,937.8
02/26/15	01:00:00	22.9	1743.5	195.0	1,938.5
02/26/15	02:00:00	23.1	1744.2	195.0	1,939.2
02/26/15	03:00:00	23.4	1744.6	195.0	1,939.6
02/26/15	04:00:00	23.6	1745.1	195.0	1,940.1

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
02/26/15	05:00:00	23.8	1745.5	195.0	1,940.5
02/26/15	06:00:00	24.1	1745.8	195.0	1,940.8
02/26/15	07:00:00	24.3	1746.5	195.0	1,941.5
02/26/15	08:00:00	24.5	1746.8	195.0	1,941.8
02/26/15	09:00:00	24.8	1747.0	195.0	1,942.0
02/26/15	10:00:00	25.0	1747.2	195.0	1,942.2
02/26/15	11:00:00	25.2	1747.1	195.0	1,942.1
02/26/15	12:00:00	25.4	1747.2	195.0	1,942.2
02/26/15	13:00:00	25.6	1747.0	195.0	1,942.0
02/26/15	14:00:00	25.8	1746.8	195.0	1,941.8
02/26/15	15:00:00	25.8	1743.0	195.0	1,938.0
02/26/15	16:00:00	25.8	1739.4	195.0	1,934.4
02/26/15	17:00:00	25.8	1737.2	195.0	1,932.2
02/26/15	18:00:00	25.9	1737.1	195.0	1,932.1
02/26/15	19:00:00	26.1	1740.7	195.0	1,935.7
02/26/15	20:00:00	26.4	1743.1	195.0	1,938.1
02/26/15	21:00:00	26.6	1744.6	195.0	1,939.6
02/26/15	22:00:00	26.8	1745.6	195.0	1,940.6
02/26/15	23:00:00	27.1	1746.3	195.0	1,941.3
02/27/15	00:00:00	27.3	1747.0	195.0	1,942.0
02/27/15	01:00:00	27.5	1747.5	195.0	1,942.5
02/27/15	02:00:00	27.8	1747.9	195.0	1,942.9
02/27/15	03:00:00	28.0	1748.2	195.0	1,943.2
02/27/15	04:00:00	28.2	1748.5	195.0	1,943.5
02/27/15	05:00:00	28.5	1749.1	195.0	1,944.1
02/27/15	06:00:00	28.7	1749.3	195.0	1,944.3
02/27/15	07:00:00	28.9	1749.1	195.0	1,944.1
02/27/15	08:00:00	29.1	1748.5	195.0	1,943.5
02/27/15	09:00:00	29.3	1749.3	195.0	1,944.3
02/27/15	10:00:00	29.5	1749.8	195.0	1,944.8
02/27/15	11:00:00	29.8	1749.9	195.0	1,944.9
02/27/15	12:00:00	30.0	1749.9	195.0	1,944.9
02/27/15	13:00:00	30.2	1750.1	195.0	1,945.1
02/27/15	14:00:00	30.4	1750.7	195.0	1,945.7
02/27/15	15:00:00	30.7	1750.7	195.0	1,945.7
02/27/15	16:00:00	30.9	1750.8	195.0	1,945.8
02/27/15	17:00:00	31.1	1751.5	195.0	1,946.5
02/27/15	18:00:00	31.4	1751.6	195.0	1,946.6
02/27/15	19:00:00	31.6	1751.8	195.0	1,946.8
02/27/15	20:00:00	31.8	1752.2	195.0	1,947.2

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
02/27/15	21:00:00	32.1	1752.6	195.0	1,947.6
02/27/15	22:00:00	32.3	1753.0	195.0	1,948.0
02/27/15	23:00:00	32.6	1753.1	195.0	1,948.1
02/28/15	00:00:00	32.8	1753.5	195.0	1,948.5
02/28/15	01:00:00	33.0	1753.6	195.0	1,948.6
02/28/15	02:00:00	33.3	1753.6	195.0	1,948.6
02/28/15	03:00:00	33.5	1753.3	195.0	1,948.3
02/28/15	04:00:00	33.7	1753.6	195.0	1,948.6
02/28/15	05:00:00	34.0	1753.9	195.0	1,948.9
02/28/15	06:00:00	34.2	1754.5	195.0	1,949.5
02/28/15	07:00:00	34.4	1754.5	195.0	1,949.5
02/28/15	08:00:00	34.7	1754.5	195.0	1,949.5
02/28/15	09:00:00	34.9	1754.8	195.0	1,949.8
02/28/15	10:00:00	35.1	1754.9	195.0	1,949.9
02/28/15	11:00:00	35.4	1755.1	195.0	1,950.1
02/28/15	12:00:00	35.6	1755.2	195.0	1,950.2
02/28/15	13:00:00	35.9	1755.9	195.0	1,950.9
02/28/15	14:00:00	36.1	1756.1	195.0	1,951.1
02/28/15	15:00:00	36.4	1756.5	195.0	1,951.5
02/28/15	16:00:00	36.6	1756.5	195.0	1,951.5
02/28/15	17:00:00	36.9	1757.1	195.0	1,952.1
02/28/15	18:00:00	37.1	1757.4	195.0	1,952.4
02/28/15	19:00:00	37.4	1757.6	195.0	1,952.6
02/28/15	20:00:00	37.6	1757.8	195.0	1,952.8
02/28/15	21:00:00	37.9	1757.9	195.0	1,952.9
02/28/15	22:00:00	38.2	1757.9	195.0	1,952.9
02/28/15	23:00:00	38.4	1758.0	195.0	1,953.0
03/01/15	00:00:00	38.6	1757.9	195.0	1,952.9
03/01/15	01:00:00	38.9	1758.5	195.0	1,953.5
03/01/15	02:00:00	39.1	1757.9	195.0	1,952.9
03/01/15	03:00:00	39.3	1756.5	195.0	1,951.5
03/01/15	04:00:00	39.4	1755.9	195.0	1,950.9
03/01/15	05:00:00	39.6	1755.7	195.0	1,950.7
03/01/15	06:00:00	39.8	1755.0	195.0	1,950.0
03/01/15	07:00:00	39.9	1755.0	195.0	1,950.0
03/01/15	08:00:00	40.1	1755.1	195.0	1,950.1
03/01/15	09:00:00	40.3	1756.0	195.0	1,951.0
03/01/15	10:00:00	40.6	1757.2	195.0	1,952.2
03/01/15	11:00:00	40.8	1757.4	195.0	1,952.4
03/01/15	12:00:00	41.0	1757.7	195.0	1,952.7

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/01/15	13:00:00	41.3	1757.9	195.0	1,952.9
03/01/15	14:00:00	41.5	1757.9	195.0	1,952.9
03/01/15	15:00:00	41.8	1758.6	195.0	1,953.6
03/01/15	16:00:00	42.0	1758.8	195.0	1,953.8
03/01/15	17:00:00	42.2	1758.8	195.0	1,953.8
03/01/15	18:00:00	42.5	1759.5	195.0	1,954.5
03/01/15	19:00:00	42.7	1759.9	195.0	1,954.9
03/01/15	20:00:00	43.0	1760.2	195.0	1,955.2
03/01/15	21:00:00	43.2	1760.2	195.0	1,955.2
03/01/15	22:00:00	43.5	1760.7	195.0	1,955.7
03/01/15	23:00:00	43.7	1761.1	195.0	1,956.1
03/02/15	00:00:00	44.0	1761.1	195.0	1,956.1
03/02/15	01:00:00	44.3	1761.6	195.0	1,956.6
03/02/15	02:00:00	44.5	1761.6	195.0	1,956.6
03/02/15	03:00:00	44.8	1761.6	195.0	1,956.6
03/02/15	04:00:00	45.0	1762.1	195.0	1,957.1
03/02/15	05:00:00	45.3	1762.5	195.0	1,957.5
03/02/15	06:00:00	45.5	1762.5	195.0	1,957.5
03/02/15	07:00:00	45.8	1762.6	195.0	1,957.6
03/02/15	08:00:00	46.0	1763.1	195.0	1,958.1
03/02/15	09:00:00	46.3	1763.1	195.0	1,958.1
03/02/15	10:00:00	46.5	1763.2	195.0	1,958.2
03/02/15	11:00:00	46.8	1763.3	195.0	1,958.3
03/02/15	12:00:00	47.0	1763.8	195.0	1,958.8
03/02/15	13:00:00	47.3	1763.9	195.0	1,958.9
03/02/15	14:00:00	47.5	1763.8	195.0	1,958.8
03/02/15	15:00:00	47.7	1762.1	195.0	1,957.1
03/02/15	16:00:00	47.8	1761.3	195.0	1,956.3
03/02/15	17:00:00	48.1	1762.4	195.0	1,957.4
03/02/15	18:00:00	48.3	1763.1	195.0	1,958.1
03/02/15	19:00:00	48.6	1763.4	195.0	1,958.4
03/02/15	20:00:00	48.8	1764.0	195.0	1,959.0
03/02/15	21:00:00	49.1	1764.1	195.0	1,959.1
03/02/15	22:00:00	49.3	1764.6	195.0	1,959.6
03/02/15	23:00:00	49.6	1764.6	195.0	1,959.6
03/03/15	00:00:00	49.8	1764.6	195.0	1,959.6
03/03/15	01:00:00	50.1	1765.4	195.0	1,960.4
03/03/15	02:00:00	50.3	1765.4	195.0	1,960.4
03/03/15	03:00:00	50.6	1765.6	195.0	1,960.6
03/03/15	04:00:00	50.8	1765.6	195.0	1,960.6

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/03/15	05:00:00	51.1	1766.2	195.0	1,961.2
03/03/15	06:00:00	51.3	1766.3	195.0	1,961.3
03/03/15	07:00:00	51.6	1765.9	195.0	1,960.9
03/03/15	08:00:00	51.7	1764.9	195.0	1,959.9
03/03/15	09:00:00	51.7	1760.9	195.0	1,955.9
03/03/15	10:00:00	51.7	1758.7	195.0	1,953.7
03/03/15	11:00:00	51.7	1756.9	195.0	1,951.9
03/03/15	12:00:00	51.7	1755.7	195.0	1,950.7
03/03/15	13:00:00	51.7	1754.8	195.0	1,949.8
03/03/15	14:00:00	51.7	1753.8	195.0	1,948.8
03/03/15	15:00:00	51.7	1753.0	195.0	1,948.0
03/03/15	16:00:00	51.7	1752.2	195.0	1,947.2
03/03/15	17:00:00	51.7	1751.9	195.0	1,946.9
03/03/15	18:00:00	51.9	1754.0	195.0	1,949.0
03/03/15	19:00:00	52.1	1755.8	195.0	1,950.8
03/03/15	20:00:00	52.3	1758.1	195.0	1,953.1
03/03/15	21:00:00	52.6	1759.4	195.0	1,954.4
03/03/15	22:00:00	52.8	1760.5	195.0	1,955.5
03/03/15	23:00:00	53.0	1761.2	195.0	1,956.2
03/04/15	00:00:00	53.3	1761.8	195.0	1,956.8
03/04/15	01:00:00	53.5	1762.5	195.0	1,957.5
03/04/15	02:00:00	53.8	1763.0	195.0	1,958.0
03/04/15	03:00:00	54.0	1763.1	195.0	1,958.1
03/04/15	04:00:00	54.3	1763.7	195.0	1,958.7
03/04/15	05:00:00	54.5	1764.3	195.0	1,959.3
03/04/15	06:00:00	54.8	1764.5	195.0	1,959.5
03/04/15	07:00:00	55.0	1765.3	195.0	1,960.3
03/04/15	08:00:00	55.3	1766.0	195.0	1,961.0
03/04/15	09:00:00	55.5	1766.3	195.0	1,961.3
03/04/15	10:00:00	55.8	1766.7	195.0	1,961.7
03/04/15	11:00:00	56.0	1766.8	195.0	1,961.8
03/04/15	12:00:00	56.2	1766.8	195.0	1,961.8
03/04/15	13:00:00	56.5	1766.8	195.0	1,961.8
03/04/15	14:00:00	56.7	1766.9	195.0	1,961.9
03/04/15	15:00:00	57.0	1767.0	195.0	1,962.0
03/04/15	16:00:00	57.2	1767.7	195.0	1,962.7
03/04/15	17:00:00	57.5	1767.7	195.0	1,962.7
03/04/15	18:00:00	57.7	1768.0	195.0	1,963.0
03/04/15	19:00:00	58.0	1768.3	195.0	1,963.3
03/04/15	20:00:00	58.2	1768.7	195.0	1,963.7

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/04/15	21:00:00	58.5	1769.2	195.0	1,964.2
03/04/15	22:00:00	58.7	1769.2	195.0	1,964.2
03/04/15	23:00:00	59.0	1769.4	195.0	1,964.4
03/05/15	00:00:00	59.2	1769.6	195.0	1,964.6
03/05/15	01:00:00	59.5	1769.8	195.0	1,964.8
03/05/15	02:00:00	59.7	1769.8	195.0	1,964.8
03/05/15	03:00:00	60.0	1770.0	195.0	1,965.0
03/05/15	04:00:00	60.2	1770.6	195.0	1,965.6
03/05/15	05:00:00	60.5	1770.6	195.0	1,965.6
03/05/15	06:00:00	60.7	1770.6	195.0	1,965.6
03/05/15	07:00:00	61.0	1770.9	195.0	1,965.9
03/05/15	08:00:00	61.2	1771.2	195.0	1,966.2
03/05/15	09:00:00	61.5	1771.7	195.0	1,966.7
03/05/15	10:00:00	61.7	1771.9	195.0	1,966.9
03/05/15	11:00:00	62.0	1772.0	195.0	1,967.0
03/05/15	12:00:00	62.2	1772.0	195.0	1,967.0
03/05/15	13:00:00	62.5	1771.8	195.0	1,966.8
03/05/15	14:00:00	62.7	1771.6	195.0	1,966.6
03/05/15	15:00:00	62.9	1771.7	195.0	1,966.7
03/05/15	16:00:00	63.2	1772.0	195.0	1,967.0
03/05/15	17:00:00	63.4	1772.2	195.0	1,967.2
03/05/15	18:00:00	63.7	1772.7	195.0	1,967.7
03/05/15	19:00:00	64.0	1773.0	195.0	1,968.0
03/05/15	20:00:00	64.2	1773.4	195.0	1,968.4
03/05/15	21:00:00	64.5	1773.5	195.0	1,968.5
03/05/15	22:00:00	64.7	1773.5	195.0	1,968.5
03/05/15	23:00:00	65.0	1773.5	195.0	1,968.5
03/06/15	00:00:00	65.2	1773.7	195.0	1,968.7
03/06/15	01:00:00	65.5	1774.1	195.0	1,969.1
03/06/15	02:00:00	65.7	1774.3	195.0	1,969.3
03/06/15	03:00:00	66.0	1774.3	195.0	1,969.3
03/06/15	04:00:00	66.2	1774.4	195.0	1,969.4
03/06/15	05:00:00	66.5	1774.7	195.0	1,969.7
03/06/15	06:00:00	66.7	1774.9	195.0	1,969.9
03/06/15	07:00:00	67.0	1774.9	195.0	1,969.9
03/06/15	08:00:00	67.2	1775.6	195.0	1,970.6
03/06/15	09:00:00	67.5	1775.7	195.0	1,970.7
03/06/15	10:00:00	67.7	1775.8	195.0	1,970.8
03/06/15	11:00:00	68.0	1775.8	195.0	1,970.8
03/06/15	12:00:00	68.2	1775.2	195.0	1,970.2

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/06/15	13:00:00	68.4	1775.4	195.0	1,970.4
03/06/15	14:00:00	68.7	1775.6	195.0	1,970.6
03/06/15	15:00:00	68.9	1775.8	195.0	1,970.8
03/06/15	16:00:00	69.2	1775.8	195.0	1,970.8
03/06/15	17:00:00	69.4	1776.0	195.0	1,971.0
03/06/15	18:00:00	69.7	1776.3	195.0	1,971.3
03/06/15	19:00:00	69.9	1776.4	195.0	1,971.4
03/06/15	20:00:00	70.2	1776.5	195.0	1,971.5
03/06/15	21:00:00	70.4	1777.0	195.0	1,972.0
03/06/15	22:00:00	70.7	1777.2	195.0	1,972.2
03/06/15	23:00:00	70.9	1777.2	195.0	1,972.2
03/07/15	00:00:00	71.2	1777.2	195.0	1,972.2
03/07/15	01:00:00	71.4	1777.3	195.0	1,972.3
03/07/15	02:00:00	71.7	1777.5	195.0	1,972.5
03/07/15	03:00:00	71.9	1777.8	195.0	1,972.8
03/07/15	04:00:00	72.2	1777.7	195.0	1,972.7
03/07/15	05:00:00	72.4	1777.7	195.0	1,972.7
03/07/15	06:00:00	72.7	1777.9	195.0	1,972.9
03/07/15	07:00:00	72.9	1778.1	195.0	1,973.1
03/07/15	08:00:00	73.2	1778.6	195.0	1,973.6
03/07/15	09:00:00	73.4	1778.7	195.0	1,973.7
03/07/15	10:00:00	73.7	1778.9	195.0	1,973.9
03/07/15	11:00:00	73.9	1778.8	195.0	1,973.8
03/07/15	12:00:00	74.2	1778.8	195.0	1,973.8
03/07/15	13:00:00	74.4	1779.2	195.0	1,974.2
03/07/15	14:00:00	74.7	1779.3	195.0	1,974.3
03/07/15	15:00:00	74.9	1779.2	195.0	1,974.2
03/07/15	16:00:00	75.2	1779.3	195.0	1,974.3
03/07/15	17:00:00	75.4	1779.3	195.0	1,974.3
03/07/15	18:00:00	75.7	1779.8	195.0	1,974.8
03/07/15	19:00:00	75.9	1780.0	195.0	1,975.0
03/07/15	20:00:00	76.2	1780.0	195.0	1,975.0
03/07/15	21:00:00	76.4	1780.1	195.0	1,975.1
03/07/15	22:00:00	76.7	1780.3	195.0	1,975.3
03/07/15	23:00:00	76.9	1780.6	195.0	1,975.6
03/08/15	00:00:00	77.2	1780.7	195.0	1,975.7
03/08/15	01:00:00	77.4	1780.8	195.0	1,975.8
03/08/15	02:00:00	77.4		195.0	
03/08/15	03:00:00	77.7	1780.8	195.0	1,975.8
03/08/15	04:00:00	77.9	1780.8	195.0	1,975.8

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/08/15	05:00:00	78.2	1780.9	195.0	1,975.9
03/08/15	06:00:00	78.4	1781.5	195.0	1,976.5
03/08/15	07:00:00	78.7	1781.5	195.0	1,976.5
03/08/15	08:00:00	78.9	1781.5	195.0	1,976.5
03/08/15	09:00:00	79.2	1782.2	195.0	1,977.2
03/08/15	10:00:00	79.4	1782.4	195.0	1,977.4
03/08/15	11:00:00	79.7	1782.4	195.0	1,977.4
03/08/15	12:00:00	79.9	1782.4	195.0	1,977.4
03/08/15	13:00:00	80.1	1782.4	195.0	1,977.4
03/08/15	14:00:00	80.4	1782.4	195.0	1,977.4
03/08/15	15:00:00	80.6	1782.4	195.0	1,977.4
03/08/15	16:00:00	80.9	1782.4	195.0	1,977.4
03/08/15	17:00:00	81.1	1782.4	195.0	1,977.4
03/08/15	18:00:00	81.4	1782.7	195.0	1,977.7
03/08/15	19:00:00	81.6	1782.9	195.0	1,977.9
03/08/15	20:00:00	81.9	1782.9	195.0	1,977.9
03/08/15	21:00:00	82.1	1783.0	195.0	1,978.0
03/08/15	22:00:00	82.4	1783.3	195.0	1,978.3
03/08/15	23:00:00	82.6	1783.8	195.0	1,978.8
03/09/15	00:00:00	82.9	1783.8	195.0	1,978.8
03/09/15	01:00:00	83.1	1783.8	195.0	1,978.8
03/09/15	02:00:00	83.4	1783.8	195.0	1,978.8
03/09/15	03:00:00	83.6	1783.8	195.0	1,978.8
03/09/15	04:00:00	83.9	1784.3	195.0	1,979.3
03/09/15	05:00:00	84.1	1784.4	195.0	1,979.4
03/09/15	06:00:00	84.4	1784.4	195.0	1,979.4
03/09/15	07:00:00	84.6	1784.4	195.0	1,979.4
03/09/15	08:00:00	84.9	1784.8	195.0	1,979.8
03/09/15	09:00:00	85.1	1785.3	195.0	1,980.3
03/09/15	10:00:00	85.4	1785.4	195.0	1,980.4
03/09/15	11:00:00	85.6	1785.4	195.0	1,980.4
03/09/15	12:00:00	85.9	1785.4	195.0	1,980.4
03/09/15	13:00:00	86.1	1785.3	195.0	1,980.3
03/09/15	14:00:00	86.3	1785.3	195.0	1,980.3
03/09/15	15:00:00	86.6	1785.3	195.0	1,980.3
03/09/15	16:00:00	86.8	1785.3	195.0	1,980.3
03/09/15	17:00:00	87.1	1785.4	195.0	1,980.4
03/09/15	18:00:00	87.3	1785.7	195.0	1,980.7
03/09/15	19:00:00	87.6	1785.8	195.0	1,980.8
03/09/15	20:00:00	87.8	1785.8	195.0	1,980.8

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/09/15	21:00:00	88.1	1785.8	195.0	1,980.8
03/09/15	22:00:00	88.3	1786.2	195.0	1,981.2
03/09/15	23:00:00	88.6	1786.6	195.0	1,981.6
03/10/15	00:00:00	88.8	1786.6	195.0	1,981.6
03/10/15	01:00:00	89.1	1786.7	195.0	1,981.7
03/10/15	02:00:00	89.3	1787.0	195.0	1,982.0
03/10/15	03:00:00	89.6	1787.1	195.0	1,982.1
03/10/15	04:00:00	89.8	1786.7	195.0	1,981.7
03/10/15	05:00:00	90.0	1786.6	195.0	1,981.6
03/10/15	06:00:00	90.3	1786.7	195.0	1,981.7
03/10/15	07:00:00	90.5	1786.7	195.0	1,981.7
03/10/15	08:00:00	90.7	1787.2	195.0	1,982.2
03/10/15	09:00:00	90.9	1785.8	195.0	1,980.8
03/10/15	10:00:00	91.1	1786.5	195.0	1,981.5
03/10/15	11:00:00	91.4	1787.3	195.0	1,982.3
03/10/15	12:00:00	91.6	1787.4	195.0	1,982.4
03/10/15	13:00:00	91.8	1787.4	195.0	1,982.4
03/10/15	14:00:00	92.1	1787.4	195.0	1,982.4
03/10/15	15:00:00	92.3	1787.4	195.0	1,982.4
03/10/15	16:00:00	92.6	1787.8	195.0	1,982.8
03/10/15	17:00:00	92.8	1788.1	195.0	1,983.1
03/10/15	18:00:00	93.1	1788.1	195.0	1,983.1
03/10/15	19:00:00	93.3	1788.5	195.0	1,983.5
03/10/15	20:00:00	93.7	1789.6	195.0	1,984.6
03/10/15	21:00:00	93.9	1789.5	195.0	1,984.5
03/10/15	22:00:00	94.1	1789.2	195.0	1,984.2
03/10/15	23:00:00	94.3	1788.0	195.0	1,983.0
03/11/15	00:00:00	94.5	1787.7	195.0	1,982.7
03/11/15	01:00:00	94.8	1789.1	195.0	1,984.1
03/11/15	02:00:00	95.0	1789.5	195.0	1,984.5
03/11/15	03:00:00	95.3	1789.5	195.0	1,984.5
03/11/15	04:00:00	95.5	1789.7	195.0	1,984.7
03/11/15	05:00:00	95.8	1790.4	195.0	1,985.4
03/11/15	06:00:00	96.1	1790.3	195.0	1,985.3
03/11/15	07:00:00	96.3	1790.2	195.0	1,985.2
03/11/15	08:00:00	96.5	1789.9	195.0	1,984.9
03/11/15	09:00:00	96.8	1789.5	195.0	1,984.5
03/11/15	10:00:00	97.0	1790.3	195.0	1,985.3
03/11/15	11:00:00	97.3	1790.6	195.0	1,985.6
03/11/15	12:00:00	97.6	1791.5	195.0	1,986.5

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/11/15	13:00:00	97.8	1791.0	195.0	1,986.0
03/11/15	14:00:00	98.1	1791.1	195.0	1,986.1
03/11/15	15:00:00	98.4	1792.1	195.0	1,987.1
03/11/15	16:00:00	98.7	1792.4	195.0	1,987.4
03/11/15	17:00:00	99.0	1792.3	195.0	1,987.3
03/11/15	18:00:00	99.2	1792.1	195.0	1,987.1
03/11/15	19:00:00	99.5	1792.3	195.0	1,987.3
03/11/15	20:00:00	99.8	1792.4	195.0	1,987.4
03/11/15	21:00:00	100.0	1792.4	195.0	1,987.4
03/11/15	22:00:00	100.3	1792.4	195.0	1,987.4
03/11/15	23:00:00	100.5	1792.4	195.0	1,987.4
03/12/15	00:00:00	100.8	1792.4	195.0	1,987.4
03/12/15	01:00:00	101.1	1792.6	195.0	1,987.6
03/12/15	02:00:00	101.3	1793.0	195.0	1,988.0
03/12/15	03:00:00	101.6	1793.2	195.0	1,988.2
03/12/15	04:00:00	101.9	1793.2	195.0	1,988.2
03/12/15	05:00:00	102.1	1793.2	195.0	1,988.2
03/12/15	06:00:00	102.4	1793.2	195.0	1,988.2
03/12/15	07:00:00	102.7	1793.7	195.0	1,988.7
03/12/15	08:00:00	102.9	1794.0	195.0	1,989.0
03/12/15	09:00:00	103.2	1794.0	195.0	1,989.0
03/12/15	10:00:00	103.5	1794.1	195.0	1,989.1
03/12/15	11:00:00	103.7	1794.1	195.0	1,989.1
03/12/15	12:00:00	104.0	1794.0	195.0	1,989.0
03/12/15	13:00:00	104.2	1794.1	195.0	1,989.1
03/12/15	14:00:00	104.5	1794.0	195.0	1,989.0
03/12/15	15:00:00	104.7	1794.0	195.0	1,989.0
03/12/15	16:00:00	105.0	1794.3	195.0	1,989.3
03/12/15	17:00:00	105.3	1794.4	195.0	1,989.4
03/12/15	18:00:00	105.5	1794.6	195.0	1,989.6
03/12/15	19:00:00	105.8	1794.7	195.0	1,989.7
03/12/15	20:00:00	106.0	1794.7	195.0	1,989.7
03/12/15	21:00:00	106.3	1794.7	195.0	1,989.7
03/12/15	22:00:00	106.6	1795.0	195.0	1,990.0
03/12/15	23:00:00	106.9	1795.4	195.0	1,990.4
03/13/15	00:00:00	107.2	1796.3	195.0	1,991.3
03/13/15	01:00:00	107.5	1797.0	195.0	1,992.0
03/13/15	02:00:00	107.8	1796.1	195.0	1,991.1
03/13/15	03:00:00	107.9	1794.2	195.0	1,989.2
03/13/15	04:00:00	108.2	1795.0	195.0	1,990.0

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/13/15	05:00:00	108.5	1795.8	195.0	1,990.8
03/13/15	06:00:00	108.7	1795.5	195.0	1,990.5
03/13/15	07:00:00	109.0	1795.6	195.0	1,990.6
03/13/15	08:00:00	109.2	1795.5	195.0	1,990.5
03/13/15	09:00:00	109.5	1796.0	195.0	1,991.0
03/13/15	10:00:00	109.7	1796.1	195.0	1,991.1
03/13/15	11:00:00	110.0	1796.0	195.0	1,991.0
03/13/15	12:00:00	110.3	1797.0	195.0	1,992.0
03/13/15	13:00:00	110.5	1796.7	195.0	1,991.7
03/13/15	14:00:00	110.8	1797.4	195.0	1,992.4
03/13/15	15:00:00	111.2	1797.5	195.0	1,992.5
03/13/15	16:00:00	111.5	1797.9	195.0	1,992.9
03/13/15	17:00:00	111.8	1798.4	195.0	1,993.4
03/13/15	18:00:00	112.1	1798.7	195.0	1,993.7
03/13/15	19:00:00	112.4	1798.9	195.0	1,993.9
03/13/15	20:00:00	112.8	1799.1	195.0	1,994.1
03/13/15	21:00:00	113.1	1799.7	195.0	1,994.7
03/13/15	22:00:00	113.4	1799.8	195.0	1,994.8
03/13/15	23:00:00	113.7	1799.5	195.0	1,994.5
03/14/15	00:00:00	114.0	1799.2	195.0	1,994.2
03/14/15	01:00:00	114.3	1799.8	195.0	1,994.8
03/14/15	02:00:00	114.6	1800.2	195.0	1,995.2
03/14/15	03:00:00	115.0	1800.5	195.0	1,995.5
03/14/15	04:00:00	115.3	1800.6	195.0	1,995.6
03/14/15	05:00:00	115.6	1800.8	195.0	1,995.8
03/14/15	06:00:00	115.9	1801.3	195.0	1,996.3
03/14/15	07:00:00	116.3	1801.2	195.0	1,996.2
03/14/15	08:00:00	116.6	1801.7	195.0	1,996.7
03/14/15	09:00:00	116.9	1802.0	195.0	1,997.0
03/14/15	10:00:00	117.2	1802.0	195.0	1,997.0
03/14/15	11:00:00	117.6	1801.9	195.0	1,996.9
03/14/15	12:00:00	117.9	1802.3	195.0	1,997.3
03/14/15	13:00:00	118.2	1802.2	195.0	1,997.2
03/14/15	14:00:00	118.5	1802.6	195.0	1,997.6
03/14/15	15:00:00	118.7	1801.3	195.0	1,996.3
03/14/15	16:00:00	118.9	1799.6	195.0	1,994.6
03/14/15	17:00:00	119.0	1798.8	195.0	1,993.8
03/14/15	18:00:00	119.1	1798.3	195.0	1,993.3
03/14/15	19:00:00	119.3	1798.5	195.0	1,993.5
03/14/15	20:00:00	119.6	1798.9	195.0	1,993.9

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/14/15	21:00:00	119.8	1798.9	195.0	1,993.9
03/14/15	22:00:00	120.1	1799.0	195.0	1,994.0
03/14/15	23:00:00	120.3	1799.1	195.0	1,994.1
03/15/15	00:00:00	120.5	1799.0	195.0	1,994.0
03/15/15	01:00:00	120.8	1799.3	195.0	1,994.3
03/15/15	02:00:00	121.0	1799.4	195.0	1,994.4
03/15/15	03:00:00	121.3	1799.8	195.0	1,994.8
03/15/15	04:00:00	121.5	1799.8	195.0	1,994.8
03/15/15	05:00:00	121.8	1799.8	195.0	1,994.8
03/15/15	06:00:00	122.0	1799.8	195.0	1,994.8
03/15/15	07:00:00	122.3	1799.8	195.0	1,994.8
03/15/15	08:00:00	122.5	1799.8	195.0	1,994.8
03/15/15	09:00:00	122.7	1799.9	195.0	1,994.9
03/15/15	10:00:00	122.9	1799.6	195.0	1,994.6
03/15/15	11:00:00	123.2	1800.0	195.0	1,995.0
03/15/15	12:00:00	123.4	1799.3	195.0	1,994.3
03/15/15	13:00:00	123.5	1797.8	195.0	1,992.8
03/15/15	14:00:00	123.5	1796.8	195.0	1,991.8
03/15/15	15:00:00	123.8	1797.6	195.0	1,992.6
03/15/15	16:00:00	124.0	1797.8	195.0	1,992.8
03/15/15	17:00:00	124.2	1798.4	195.0	1,993.4
03/15/15	18:00:00	124.5	1798.7	195.0	1,993.7
03/15/15	19:00:00	124.7	1798.9	195.0	1,993.9
03/15/15	20:00:00	125.0	1799.2	195.0	1,994.2
03/15/15	21:00:00	125.2	1799.7	195.0	1,994.7
03/15/15	22:00:00	125.5	1799.8	195.0	1,994.8
03/15/15	23:00:00	125.7	1799.9	195.0	1,994.9
03/16/15	00:00:00	126.0	1800.1	195.0	1,995.1
03/16/15	01:00:00	126.3	1800.5	195.0	1,995.5
03/16/15	02:00:00	126.4	1800.0	195.0	1,995.0
03/16/15	03:00:00	126.7	1799.3	195.0	1,994.3
03/16/15	04:00:00	126.9	1800.1	195.0	1,995.1
03/16/15	05:00:00	127.2	1800.5	195.0	1,995.5
03/16/15	06:00:00	127.4	1800.5	195.0	1,995.5
03/16/15	07:00:00	127.7	1800.5	195.0	1,995.5
03/16/15	08:00:00	127.9	1800.6	195.0	1,995.6
03/16/15	09:00:00	128.2	1801.0	195.0	1,996.0
03/16/15	10:00:00	128.4	1801.2	195.0	1,996.2
03/16/15	11:00:00	128.7	1801.3	195.0	1,996.3
03/16/15	12:00:00	129.0	1801.3	195.0	1,996.3

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/16/15	13:00:00	129.2	1801.3	195.0	1,996.3
03/16/15	14:00:00	129.4	1801.0	195.0	1,996.0
03/16/15	15:00:00	129.8	1802.0	195.0	1,997.0
03/16/15	16:00:00	130.0	1801.8	195.0	1,996.8
03/16/15	17:00:00	130.3	1802.8	195.0	1,997.8
03/16/15	18:00:00	130.7	1803.4	195.0	1,998.4
03/16/15	19:00:00	131.0	1804.0	195.0	1,999.0
03/16/15	20:00:00	131.4	1804.1	195.0	1,999.1
03/16/15	21:00:00	131.7	1804.7	195.0	1,999.7
03/16/15	22:00:00	132.0	1805.0	195.0	2,000.0
03/16/15	23:00:00	132.4	1805.2	195.0	2,000.2
03/17/15	00:00:00	132.7	1805.6	195.0	2,000.6
03/17/15	01:00:00	133.1	1805.6	195.0	2,000.6
03/17/15	02:00:00	133.4	1806.3	195.0	2,001.3
03/17/15	03:00:00	133.7	1806.4	195.0	2,001.4
03/17/15	04:00:00	134.1	1806.4	195.0	2,001.4
03/17/15	05:00:00	134.4	1806.8	195.0	2,001.8
03/17/15	06:00:00	134.7	1807.0	195.0	2,002.0
03/17/15	07:00:00	135.1	1807.0	195.0	2,002.0
03/17/15	08:00:00	135.4	1807.3	195.0	2,002.3
03/17/15	09:00:00	135.8	1807.8	195.0	2,002.8
03/17/15	10:00:00	136.1	1808.1	195.0	2,003.1
03/17/15	11:00:00	136.4	1808.5	195.0	2,003.5
03/17/15	12:00:00	136.8	1808.5	195.0	2,003.5
03/17/15	13:00:00	137.1	1808.6	195.0	2,003.6
03/17/15	14:00:00	137.4	1808.5	195.0	2,003.5
03/17/15	15:00:00	137.8	1808.6	195.0	2,003.6
03/17/15	16:00:00	138.1	1808.6	195.0	2,003.6
03/17/15	17:00:00	138.4	1809.1	195.0	2,004.1
03/17/15	18:00:00	138.8	1809.3	195.0	2,004.3
03/17/15	19:00:00	139.1	1809.3	195.0	2,004.3
03/17/15	20:00:00	139.4	1809.5	195.0	2,004.5
03/17/15	21:00:00	139.8	1809.8	195.0	2,004.8
03/17/15	22:00:00	140.1	1810.0	195.0	2,005.0
03/17/15	23:00:00	140.5	1810.0	195.0	2,005.0
03/18/15	00:00:00	140.8	1810.0	195.0	2,005.0
03/18/15	01:00:00	141.1	1810.2	195.0	2,005.2
03/18/15	02:00:00	141.5	1810.2	195.0	2,005.2
03/18/15	03:00:00	141.8	1810.6	195.0	2,005.6
03/18/15	04:00:00	142.1	1810.7	195.0	2,005.7

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/18/15	05:00:00	142.5	1810.7	195.0	2,005.7
03/18/15	06:00:00	142.8	1810.9	195.0	2,005.9
03/18/15	07:00:00	143.1	1810.3	195.0	2,005.3
03/18/15	08:00:00	143.3	1810.0	195.0	2,005.0
03/18/15	09:00:00	143.5	1809.9	195.0	2,004.9
03/18/15	10:00:00	143.7	1808.9	195.0	2,003.9
03/18/15	11:00:00	144.0	1809.0	195.0	2,004.0
03/18/15	12:00:00	144.2	1809.2	195.0	2,004.2
03/18/15	13:00:00	144.5	1809.2	195.0	2,004.2
03/18/15	14:00:00	144.7	1808.7	195.0	2,003.7
03/18/15	15:00:00	145.0	1808.8	195.0	2,003.8
03/18/15	16:00:00	145.3	1808.8	195.0	2,003.8
03/18/15	17:00:00	145.5	1808.8	195.0	2,003.8
03/18/15	18:00:00	145.8	1809.0	195.0	2,004.0
03/18/15	19:00:00	146.0	1809.2	195.0	2,004.2
03/18/15	20:00:00	146.3	1809.1	195.0	2,004.1
03/18/15	21:00:00	146.5	1809.3	195.0	2,004.3
03/18/15	22:00:00	146.8	1809.3	195.0	2,004.3
03/18/15	23:00:00	147.1	1809.3	195.0	2,004.3
03/19/15	00:00:00	147.3	1809.3	195.0	2,004.3
03/19/15	01:00:00	147.6	1809.3	195.0	2,004.3
03/19/15	02:00:00	147.9	1809.3	195.0	2,004.3
03/19/15	03:00:00	148.1	1809.3	195.0	2,004.3
03/19/15	04:00:00	148.4	1809.6	195.0	2,004.6
03/19/15	05:00:00	148.7	1809.7	195.0	2,004.7
03/19/15	06:00:00	148.9	1809.8	195.0	2,004.8
03/19/15	07:00:00	149.2	1809.8	195.0	2,004.8
03/19/15	08:00:00	149.4	1810.0	195.0	2,005.0
03/19/15	09:00:00	149.5	1808.5	195.0	2,003.5
03/19/15	10:00:00	149.7	1807.6	195.0	2,002.6
03/19/15	11:00:00	149.9	1808.1	195.0	2,003.1
03/19/15	12:00:00	150.1	1808.6	195.0	2,003.6
03/19/15	13:00:00	150.4	1808.6	195.0	2,003.6
03/19/15	14:00:00	150.6	1809.0	195.0	2,004.0
03/19/15	15:00:00	150.9	1809.2	195.0	2,004.2
03/19/15	16:00:00	151.1	1809.2	195.0	2,004.2
03/19/15	17:00:00	151.3	1808.0	195.0	2,003.0
03/19/15	18:00:00	151.5	1808.2	195.0	2,003.2
03/19/15	19:00:00	151.8	1808.8	195.1	2,003.9
03/19/15	20:00:00	152.0	1809.3	195.2	2,004.5

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/19/15	21:00:00	152.3	1809.3	195.3	2,004.6
03/19/15	22:00:00	152.6	1809.4	195.4	2,004.8
03/19/15	23:00:00	152.8	1809.5	195.5	2,005.0
03/20/15	00:00:00	153.1	1809.9	195.6	2,005.5
03/20/15	01:00:00	153.3	1809.9	195.7	2,005.5
03/20/15	02:00:00	153.5	1808.9	195.8	2,004.7
03/20/15	03:00:00	153.8	1809.3	195.9	2,005.2
03/20/15	04:00:00	154.0	1810.0	196.0	2,006.0
03/20/15	05:00:00	154.3	1810.1	196.1	2,006.1
03/20/15	06:00:00	154.6	1810.1	196.2	2,006.2
03/20/15	07:00:00	154.8	1810.3	196.3	2,006.6
03/20/15	08:00:00	155.1	1810.8	196.3	2,007.1
03/20/15	09:00:00	155.4	1810.9	196.4	2,007.3
03/20/15	10:00:00	155.6	1810.9	196.5	2,007.4
03/20/15	11:00:00	155.9	1810.8	196.6	2,007.4
03/20/15	12:00:00	156.1	1810.2	196.7	2,006.9
03/20/15	13:00:00	156.3	1810.7	196.8	2,007.5
03/20/15	14:00:00	156.6	1810.7	196.9	2,007.7
03/20/15	15:00:00	156.8	1811.1	197.0	2,008.1
03/20/15	16:00:00	157.1	1811.3	197.1	2,008.5
03/20/15	17:00:00	157.4	1811.4	197.2	2,008.6
03/20/15	18:00:00	157.6	1811.4	197.3	2,008.7
03/20/15	19:00:00	157.9	1811.5	197.4	2,008.9
03/20/15	20:00:00	158.2	1811.6	197.5	2,009.1
03/20/15	21:00:00	158.4	1811.9	197.6	2,009.5
03/20/15	22:00:00	158.7	1812.0	197.7	2,009.7
03/20/15	23:00:00	159.0	1812.1	197.8	2,009.9
03/21/15	00:00:00	159.2	1812.2	197.9	2,010.1
03/21/15	01:00:00	159.5	1812.2	198.0	2,010.2
03/21/15	02:00:00	159.8	1812.2	198.1	2,010.3
03/21/15	03:00:00	160.0	1812.2	198.2	2,010.4
03/21/15	04:00:00	160.3	1813.0	198.3	2,011.2
03/21/15	05:00:00	160.6	1812.7	198.4	2,011.1
03/21/15	06:00:00	160.8	1812.9	198.5	2,011.4
03/21/15	07:00:00	161.1	1813.1	198.6	2,011.6
03/21/15	08:00:00	161.4	1813.1	198.7	2,011.7
03/21/15	09:00:00	161.6	1813.3	198.8	2,012.1
03/21/15	10:00:00	161.9	1813.4	198.8	2,012.2
03/21/15	11:00:00	162.1	1813.6	198.9	2,012.6
03/21/15	12:00:00	162.4	1813.7	199.0	2,012.7

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/21/15	13:00:00	162.7	1813.7	199.1	2,012.8
03/21/15	14:00:00	162.9	1813.6	199.2	2,012.9
03/21/15	15:00:00	163.2	1813.7	199.3	2,013.0
03/21/15	16:00:00	163.5	1813.7	199.4	2,013.1
03/21/15	17:00:00	163.7	1813.6	199.5	2,013.1
03/21/15	18:00:00	164.0	1813.6	199.6	2,013.2
03/21/15	19:00:00	164.2	1813.7	199.7	2,013.4
03/21/15	20:00:00	164.5	1813.7	199.8	2,013.5
03/21/15	21:00:00	164.8	1813.9	199.9	2,013.8
03/21/15	22:00:00	165.0	1814.3	200.0	2,014.3
03/21/15	23:00:00	165.3	1814.4	200.1	2,014.5
03/22/15	00:00:00	165.6	1814.5	200.2	2,014.7
03/22/15	01:00:00	165.8	1814.5	200.3	2,014.8
03/22/15	02:00:00	166.1	1814.5	200.4	2,014.9
03/22/15	03:00:00	166.4	1814.5	200.5	2,015.0
03/22/15	04:00:00	166.6	1814.8	200.6	2,015.4
03/22/15	05:00:00	166.9	1815.0	200.7	2,015.7
03/22/15	06:00:00	167.2	1815.1	200.8	2,015.8
03/22/15	07:00:00	167.4	1815.2	200.9	2,016.0
03/22/15	08:00:00	167.7	1815.2	201.0	2,016.1
03/22/15	09:00:00	168.0	1815.3	201.1	2,016.4
03/22/15	10:00:00	168.3	1815.7	201.2	2,016.9
03/22/15	11:00:00	168.5	1815.9	201.3	2,017.1
03/22/15	12:00:00	168.8	1815.8	201.3	2,017.1
03/22/15	13:00:00	169.1	1815.9	201.4	2,017.4
03/22/15	14:00:00	169.3	1815.9	201.5	2,017.4
03/22/15	15:00:00	169.6	1815.8	201.6	2,017.4
03/22/15	16:00:00	169.8	1815.8	201.7	2,017.5
03/22/15	17:00:00	170.1	1815.9	201.8	2,017.7
03/22/15	18:00:00	170.4	1815.9	201.9	2,017.8
03/22/15	19:00:00	170.6	1815.9	202.0	2,018.0
03/22/15	20:00:00	170.9	1815.9	202.1	2,018.1
03/22/15	21:00:00	171.2	1816.0	202.2	2,018.2
03/22/15	22:00:00	171.4	1816.1	202.3	2,018.4
03/22/15	23:00:00	171.7	1816.5	202.4	2,018.9
03/23/15	00:00:00	172.0	1816.6	202.5	2,019.1
03/23/15	01:00:00	172.2	1816.6	202.6	2,019.2
03/23/15	02:00:00	172.5	1816.6	202.7	2,019.3
03/23/15	03:00:00	172.8	1816.6	202.8	2,019.4
03/23/15	04:00:00	173.0	1816.6	202.9	2,019.5

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/23/15	05:00:00	173.3	1816.6	203.0	2,019.6
03/23/15	06:00:00	173.6	1816.7	203.1	2,019.8
03/23/15	07:00:00	173.8	1817.1	203.2	2,020.3
03/23/15	08:00:00	174.1	1816.8	203.3	2,020.0
03/23/15	09:00:00	174.3	1817.3	203.4	2,020.7
03/23/15	10:00:00	174.6	1817.4	203.5	2,020.8
03/23/15	11:00:00	174.9	1817.4	203.6	2,020.9
03/23/15	12:00:00	175.2	1817.5	203.7	2,021.2
03/23/15	13:00:00	175.4	1817.5	203.7	2,021.3
03/23/15	14:00:00	175.7	1817.6	203.8	2,021.4
03/23/15	15:00:00	176.0	1817.4	203.9	2,021.3
03/23/15	16:00:00	176.2	1817.6	204.0	2,021.6
03/23/15	17:00:00	176.5	1817.7	204.1	2,021.9
03/23/15	18:00:00	176.8	1817.9	204.2	2,022.2
03/23/15	19:00:00	177.0	1818.1	204.3	2,022.4
03/23/15	20:00:00	177.3	1818.1	204.4	2,022.5
03/23/15	21:00:00	177.6	1818.1	204.5	2,022.6
03/23/15	22:00:00	177.9	1818.1	204.6	2,022.7
03/23/15	23:00:00	178.1	1818.2	204.7	2,022.9
03/24/15	00:00:00	178.4	1818.7	204.8	2,023.5
03/24/15	01:00:00	178.7	1818.5	204.9	2,023.5
03/24/15	02:00:00	178.9	1818.7	205.0	2,023.7
03/24/15	03:00:00	179.2	1818.6	205.1	2,023.7
03/24/15	04:00:00	179.5	1818.8	205.2	2,024.0
03/24/15	05:00:00	179.7	1818.8	205.3	2,024.1
03/24/15	06:00:00	180.0	1818.7	205.4	2,024.1
03/24/15	07:00:00	180.3	1818.8	205.5	2,024.2
03/24/15	08:00:00	180.5	1818.9	205.6	2,024.4
03/24/15	09:00:00	180.8	1819.5	205.7	2,025.1
03/24/15	10:00:00	181.1	1819.4	205.8	2,025.2
03/24/15	11:00:00	181.3	1819.6	205.9	2,025.5
03/24/15	12:00:00	181.6	1819.7	206.0	2,025.6
03/24/15	13:00:00	181.9	1819.7	206.1	2,025.7
03/24/15	14:00:00	182.1	1819.7	206.2	2,025.8
03/24/15	15:00:00	182.4	1819.7	206.2	2,026.0
03/24/15	16:00:00	182.7	1819.7	206.3	2,026.0
03/24/15	17:00:00	182.9	1819.7	206.4	2,026.1
03/24/15	18:00:00	183.2	1819.7	206.5	2,026.2
03/24/15	19:00:00	183.5	1819.7	206.6	2,026.3
03/24/15	20:00:00	183.7	1819.4	206.7	2,026.1

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/24/15	21:00:00	183.9	1819.6	206.8	2,026.4
03/24/15	22:00:00	184.2	1819.7	206.9	2,026.6
03/24/15	23:00:00	184.5	1819.7	207.0	2,026.8
03/25/15	00:00:00	184.7	1820.0	207.1	2,027.2
03/25/15	01:00:00	185.0	1820.2	207.2	2,027.4
03/25/15	02:00:00	185.3	1820.2	207.3	2,027.5
03/25/15	03:00:00	185.5	1820.2	207.4	2,027.6
03/25/15	04:00:00	185.8	1820.2	207.5	2,027.7
03/25/15	05:00:00	186.1	1820.2	207.6	2,027.8
03/25/15	06:00:00	186.3	1820.2	207.7	2,027.9
03/25/15	07:00:00	186.6	1820.2	207.8	2,028.0
03/25/15	08:00:00	186.8	1820.5	207.9	2,028.3
03/25/15	09:00:00	187.1	1821.0	208.0	2,029.0
03/25/15	10:00:00	187.3	1821.1	208.1	2,029.2
03/25/15	11:00:00	187.3	1818.7	208.2	2,026.8
03/25/15	12:00:00	187.3	1817.0	208.3	2,025.2
03/25/15	13:00:00	187.3	1815.8	208.4	2,024.1
03/25/15	14:00:00	187.3	1814.9	208.5	2,023.3
03/25/15	15:00:00	187.3	1814.0	208.6	2,022.6
03/25/15	16:00:00	187.3	1813.4	208.7	2,022.0
03/25/15	17:00:00	187.4	1812.9	208.7	2,021.7
03/25/15	18:00:00	187.5	1813.3	208.8	2,022.1
03/25/15	19:00:00	187.5	1813.0	208.9	2,022.0
03/25/15	20:00:00	187.6	1813.1	209.0	2,022.1
03/25/15	21:00:00	187.8	1813.8	209.1	2,022.9
03/25/15	22:00:00	188.2	1816.3	209.2	2,025.5
03/25/15	23:00:00	188.6	1817.8	209.3	2,027.1
03/26/15	00:00:00	189.0	1818.7	209.4	2,028.1
03/26/15	01:00:00	189.4	1819.7	209.5	2,029.2
03/26/15	02:00:00	189.8	1820.2	209.6	2,029.8
03/26/15	03:00:00	190.2	1820.7	209.7	2,030.4
03/26/15	04:00:00	190.6	1821.8	209.8	2,031.6
03/26/15	05:00:00	191.0	1822.5	209.9	2,032.4
03/26/15	06:00:00	191.4	1823.2	210.0	2,033.2
03/26/15	07:00:00	191.8	1823.4	210.1	2,033.5
03/26/15	08:00:00	192.2	1824.2	210.2	2,034.4
03/26/15	09:00:00	192.7	1825.0	210.3	2,035.2
03/26/15	10:00:00	193.0	1825.2	210.4	2,035.6
03/26/15	11:00:00	193.3	1824.4	210.5	2,034.9
03/26/15	12:00:00	193.7	1824.9	210.6	2,035.5

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/26/15	13:00:00	194.1	1825.3	210.7	2,036.0
03/26/15	14:00:00	194.4	1825.3	210.8	2,036.1
03/26/15	15:00:00	194.8	1825.3	210.9	2,036.1
03/26/15	16:00:00	195.2	1826.0	211.0	2,036.9
03/26/15	17:00:00	195.6	1826.4	211.1	2,037.5
03/26/15	18:00:00	196.0	1826.8	211.2	2,037.9
03/26/15	19:00:00	196.4	1827.2	211.2	2,038.5
03/26/15	20:00:00	196.8	1827.7	211.3	2,039.0
03/26/15	21:00:00	197.2	1828.1	211.4	2,039.5
03/26/15	22:00:00	197.6	1828.4	211.5	2,040.0
03/26/15	23:00:00	198.0	1828.7	211.6	2,040.3
03/27/15	00:00:00	198.4	1829.0	211.7	2,040.7
03/27/15	01:00:00	198.8	1829.1	211.8	2,041.0
03/27/15	02:00:00	199.2	1829.8	211.9	2,041.7
03/27/15	03:00:00	199.6	1829.8	212.0	2,041.8
03/27/15	04:00:00	200.0	1830.0	212.1	2,042.1
03/27/15	05:00:00	200.4	1830.5	212.2	2,042.7
03/27/15	06:00:00	200.9	1830.5	212.3	2,042.9
03/27/15	07:00:00	201.3	1830.8	212.4	2,043.2
03/27/15	08:00:00	201.7	1831.4	212.5	2,043.9
03/27/15	09:00:00	202.1	1832.0	212.6	2,044.6
03/27/15	10:00:00	202.5	1832.0	212.7	2,044.7
03/27/15	11:00:00	202.9	1832.2	212.8	2,045.0
03/27/15	12:00:00	203.3	1832.5	212.9	2,045.4
03/27/15	13:00:00	203.8	1832.5	213.0	2,045.5
03/27/15	14:00:00	204.1	1832.5	213.1	2,045.5
03/27/15	15:00:00	204.5	1832.5	213.2	2,045.7
03/27/15	16:00:00	204.9	1832.6	213.3	2,045.9
03/27/15	17:00:00	205.3	1832.6	213.4	2,046.0
03/27/15	18:00:00	205.7	1832.9	213.5	2,046.4
03/27/15	19:00:00	206.2	1833.4	213.6	2,046.9
03/27/15	20:00:00	206.6	1833.4	213.7	2,047.0
03/27/15	21:00:00	207.0	1833.7	213.7	2,047.4
03/27/15	22:00:00	207.4	1834.0	213.8	2,047.8
03/27/15	23:00:00	207.8	1834.1	213.9	2,048.0
03/28/15	00:00:00	208.2	1834.1	214.0	2,048.2
03/28/15	01:00:00	208.6	1834.5	214.1	2,048.7
03/28/15	02:00:00	209.1	1834.8	214.2	2,049.0
03/28/15	03:00:00	209.5	1834.9	214.3	2,049.2
03/28/15	04:00:00	209.9	1835.1	214.4	2,049.5

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/28/15	05:00:00	210.3	1835.6	214.5	2,050.2
03/28/15	06:00:00	210.7	1835.7	214.6	2,050.3
03/28/15	07:00:00	211.2	1835.7	214.7	2,050.4
03/28/15	08:00:00	211.6	1836.3	214.8	2,051.1
03/28/15	09:00:00	212.0	1836.5	214.9	2,051.4
03/28/15	10:00:00	212.4	1836.6	215.0	2,051.6
03/28/15	11:00:00	212.8	1836.6	215.1	2,051.7
03/28/15	12:00:00	213.2	1836.9	215.2	2,052.1
03/28/15	13:00:00	213.7	1837.0	215.3	2,052.3
03/28/15	14:00:00	214.1	1837.0	215.4	2,052.4
03/28/15	15:00:00	214.5	1837.0	215.5	2,052.5
03/28/15	16:00:00	214.9	1837.1	215.6	2,052.7
03/28/15	17:00:00	215.3	1837.1	215.7	2,052.8
03/28/15	18:00:00	215.7	1837.2	215.8	2,053.0
03/28/15	19:00:00	216.1	1837.7	215.9	2,053.6
03/28/15	20:00:00	216.5	1837.9	216.0	2,053.8
03/28/15	21:00:00	216.9	1837.9	216.1	2,053.9
03/28/15	22:00:00	217.0	1835.0	216.2	2,051.1
03/28/15	23:00:00	217.3	1835.1	216.2	2,051.3
03/29/15	00:00:00	217.6	1835.8	216.3	2,052.1
03/29/15	01:00:00	217.9	1836.0	216.4	2,052.4
03/29/15	02:00:00	218.3	1836.2	216.5	2,052.8
03/29/15	03:00:00	218.6	1836.3	216.6	2,052.9
03/29/15	04:00:00	219.0	1836.4	216.7	2,053.1
03/29/15	05:00:00	219.3	1836.5	216.8	2,053.3
03/29/15	06:00:00	219.6	1836.5	216.9	2,053.4
03/29/15	07:00:00	220.0	1836.5	217.0	2,053.5
03/29/15	08:00:00	220.3	1836.7	217.1	2,053.8
03/29/15	09:00:00	220.7	1837.2	217.2	2,054.4
03/29/15	10:00:00	221.0	1837.2	217.3	2,054.5
03/29/15	11:00:00	221.3	1837.1	217.4	2,054.5
03/29/15	12:00:00	221.7	1836.8	217.5	2,054.3
03/29/15	13:00:00	222.0	1836.7	217.6	2,054.3
03/29/15	14:00:00	222.3	1836.4	217.7	2,054.1
03/29/15	15:00:00	222.7	1836.5	217.8	2,054.3
03/29/15	16:00:00	223.0	1836.6	217.9	2,054.5
03/29/15	17:00:00	223.3	1836.4	218.0	2,054.4
03/29/15	18:00:00	223.7	1836.8	218.1	2,054.9
03/29/15	19:00:00	224.0	1837.0	218.2	2,055.2
03/29/15	20:00:00	224.3	1837.1	218.3	2,055.4

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/29/15	21:00:00	224.7	1837.2	218.4	2,055.5
03/29/15	22:00:00	225.0	1837.2	218.5	2,055.6
03/29/15	23:00:00	225.4	1837.3	218.6	2,055.8
03/30/15	00:00:00	225.7	1837.5	218.7	2,056.1
03/30/15	01:00:00	226.1	1837.6	218.7	2,056.3
03/30/15	02:00:00	226.4	1837.9	218.8	2,056.7
03/30/15	03:00:00	226.7	1837.9	218.9	2,056.9
03/30/15	04:00:00	227.1	1837.9	219.0	2,057.0
03/30/15	05:00:00	227.4	1837.9	219.1	2,057.1
03/30/15	06:00:00	227.8	1837.9	219.2	2,057.2
03/30/15	07:00:00	228.1	1838.0	219.3	2,057.3
03/30/15	08:00:00	228.5	1838.4	219.4	2,057.9
03/30/15	09:00:00	228.8	1838.7	219.5	2,058.2
03/30/15	10:00:00	229.1	1838.6	219.6	2,058.2
03/30/15	11:00:00	229.5	1839.2	219.7	2,058.9
03/30/15	12:00:00	229.9	1839.7	219.8	2,059.5
03/30/15	13:00:00	230.3	1840.1	219.9	2,060.0
03/30/15	14:00:00	230.7		220.0	2,059.8
03/30/15	15:00:00	231.1	1158.1	220.0	2,060.1
03/30/15	16:00:00	231.5	1840.1	220.0	2,060.1
03/30/15	17:00:00	232.0	1840.5	220.1	2,060.5
03/30/15	18:00:00	232.4	1840.8	220.1	2,060.9
03/30/15	19:00:00	232.8	1840.8	220.1	2,061.0
03/30/15	20:00:00	233.2	1841.4	220.2	2,061.5
03/30/15	21:00:00	233.6	1841.5	220.2	2,061.7
03/30/15	22:00:00	234.0	1841.5	220.2	2,061.8
03/30/15	23:00:00	234.3	1841.3	220.3	2,061.6
03/31/15	00:00:00	234.7	1840.9	220.3	2,061.2
03/31/15	01:00:00	235.0	1841.0	220.4	2,061.3
03/31/15	02:00:00	235.4	1841.4	220.4	2,061.8
03/31/15	03:00:00	235.8	1841.5	220.4	2,061.9
03/31/15	04:00:00	236.1	1841.5	220.5	2,061.9
03/31/15	05:00:00	236.5	1841.5	220.5	2,062.0
03/31/15	06:00:00	236.8	1841.5	220.5	2,062.0
03/31/15	07:00:00	237.2	1841.5	220.6	2,062.0
03/31/15	08:00:00	237.5	1841.5	220.6	2,062.1
03/31/15	09:00:00	237.9	1841.5	220.6	2,062.2
03/31/15	10:00:00	238.2	1841.7	220.7	2,062.4
03/31/15	11:00:00	238.6	1842.0	220.7	2,062.7
03/31/15	12:00:00	238.9	1841.7	220.7	2,062.5

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
03/31/15	13:00:00	239.3	1841.7	220.8	2,062.5
03/31/15	14:00:00	239.6	1841.6	220.8	2,062.5
03/31/15	15:00:00	240.0	1841.6	220.8	2,062.4
03/31/15	16:00:00	240.3	1841.6	220.9	2,062.5
03/31/15	17:00:00	240.7	1841.9	220.9	2,062.8
03/31/15	18:00:00	241.0	1842.0	221.0	2,062.9
03/31/15	19:00:00	241.4	1842.2	221.0	2,063.2
03/31/15	20:00:00	241.7	1842.2	221.0	2,063.2
03/31/15	21:00:00	242.1	1842.2	221.1	2,063.3
03/31/15	22:00:00	242.4	1842.4	221.1	2,063.5
03/31/15	23:00:00	242.8	1842.7	221.1	2,063.8
04/01/15	00:00:00	243.2	1842.8	221.2	2,064.0
04/01/15	01:00:00	243.5	1843.1	221.2	2,064.3
04/01/15	02:00:00	243.9	1843.1	221.2	2,064.3
04/01/15	03:00:00	244.2	1843.1	221.3	2,064.4
04/01/15	04:00:00	244.6	1843.1	221.3	2,064.4
04/01/15	05:00:00	245.0	1843.2	221.3	2,064.5
04/01/15	06:00:00	245.3	1843.5	221.4	2,064.9
04/01/15	07:00:00	245.7	1843.6	221.4	2,065.1
04/01/15	08:00:00	245.7	1841.3	221.5	2,062.7
04/01/15	09:00:00	245.7	1839.0	221.5	2,060.5
04/01/15	10:00:00	245.7	1837.8	221.5	2,059.3
04/01/15	11:00:00	245.7	1836.9	221.6	2,058.5
04/01/15	12:00:00	245.7	1836.0	221.6	2,057.6
04/01/15	13:00:00	245.7	1835.2	221.6	2,056.8
04/01/15	14:00:00	245.7	1834.4	221.7	2,056.1
04/01/15	15:00:00	245.7	1833.6	221.7	2,055.3
04/01/15	16:00:00	245.7	1833.0	221.7	2,054.8
04/01/15	17:00:00	245.7	1832.4	221.8	2,054.1
04/01/15	18:00:00	245.7	1831.9	221.8	2,053.7
04/01/15	19:00:00	245.7	1831.4	221.8	2,053.2
04/01/15	20:00:00	245.7	1831.0	221.9	2,052.9
04/01/15	21:00:00	245.7	1830.6	221.9	2,052.5
04/01/15	22:00:00	245.7	1830.0	221.9	2,051.9
04/01/15	23:00:00	245.7	1829.8	222.0	2,051.8
04/02/15	00:00:00	245.7	1829.2	222.0	2,051.3
04/02/15	01:00:00	245.7	1828.9	222.1	2,050.9
04/02/15	02:00:00	245.7	1828.4	222.1	2,050.5
04/02/15	03:00:00	245.7	1828.3	222.1	2,050.4
04/02/15	04:00:00	245.7	1827.7	222.2	2,049.9

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/02/15	05:00:00	245.7	1827.6	222.2	2,049.8
04/02/15	06:00:00	245.7	1827.2	222.2	2,049.4
04/02/15	07:00:00	245.7	1826.9	222.3	2,049.1
04/02/15	08:00:00	245.7	1826.6	222.3	2,048.9
04/02/15	09:00:00	245.7	1826.2	222.3	2,048.5
04/02/15	10:00:00	245.7	1826.2	222.4	2,048.5
04/02/15	11:00:00	245.7	1826.0	222.4	2,048.4
04/02/15	12:00:00	245.7	1825.6	222.4	2,048.0
04/02/15	13:00:00	245.7	1825.5	222.5	2,047.9
04/02/15	14:00:00	245.7	1824.9	222.5	2,047.4
04/02/15	15:00:00	245.7	1824.7	222.5	2,047.3
04/02/15	16:00:00	245.7	1824.7	222.6	2,047.3
04/02/15	17:00:00	245.7	1824.3	222.6	2,046.9
04/02/15	18:00:00	245.7	1824.1	222.7	2,046.8
04/02/15	19:00:00	245.7	1824.0	222.7	2,046.7
04/02/15	20:00:00	245.7	1824.0	222.7	2,046.7
04/02/15	21:00:00	245.7	1823.8	222.8	2,046.6
04/02/15	22:00:00	245.7	1823.5	222.8	2,046.3
04/02/15	23:00:00	245.7	1823.3	222.8	2,046.1
04/03/15	00:00:00	245.7	1823.3	222.9	2,046.2
04/03/15	01:00:00	245.7	1823.0	222.9	2,045.9
04/03/15	02:00:00	245.7	1822.7	222.9	2,045.6
04/03/15	03:00:00	245.7	1822.6	223.0	2,045.6
04/03/15	04:00:00	245.7	1822.6	223.0	2,045.6
04/03/15	05:00:00	245.7	1822.4	223.0	2,045.5
04/03/15	06:00:00	245.7	1822.2	223.1	2,045.2
04/03/15	07:00:00	245.7	1821.9	223.1	2,045.0
04/03/15	08:00:00	245.7		223.2	2,045.1
04/03/15	09:00:00	245.7	1821.9	223.2	2,045.1
04/03/15	10:00:00	245.6	1821.9	223.2	2,045.1
04/03/15	11:00:00	246.0	1824.6	223.3	2,047.9
04/03/15	12:00:00	246.4	1826.9	223.3	2,050.2
04/03/15	13:00:00	246.8	1828.2	223.3	2,051.5
04/03/15	14:00:00	247.2	1829.3	223.4	2,052.7
04/03/15	15:00:00	247.6	1830.1	223.4	2,053.5
04/03/15	16:00:00	248.0	1830.9	223.4	2,054.4
04/03/15	17:00:00	248.3	1831.2	223.5	2,054.7
04/03/15	18:00:00	248.7	1832.4	223.5	2,055.9
04/03/15	19:00:00	249.1	1833.1	223.5	2,056.7
04/03/15	20:00:00	249.5	1833.9	223.6	2,057.4

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/03/15	21:00:00	250.0	1834.4	223.6	2,058.0
04/03/15	22:00:00	250.4	1835.2	223.6	2,058.8
04/03/15	23:00:00	250.8	1835.9	223.7	2,059.6
04/04/15	00:00:00	251.2	1836.5	223.7	2,060.2
04/04/15	01:00:00	251.6	1837.1	223.8	2,060.8
04/04/15	02:00:00	252.1	1837.6	223.8	2,061.4
04/04/15	03:00:00	252.5	1838.0	223.8	2,061.8
04/04/15	04:00:00	252.9	1838.5	223.9	2,062.4
04/04/15	05:00:00	253.3	1839.0	223.9	2,062.9
04/04/15	06:00:00	253.7	1839.4	223.9	2,063.3
04/04/15	07:00:00	254.2	1839.6	224.0	2,063.5
04/04/15	08:00:00	254.6	1840.1	224.0	2,064.1
04/04/15	09:00:00	255.0	813.9	224.0	2,064.3
04/04/15	10:00:00	255.4	15.0	224.0	
04/04/15	11:00:00	255.8	15.0	224.0	
04/04/15	12:00:00	256.2	15.0	224.0	
04/04/15	13:00:00	256.6	14.8	224.0	
04/04/15	14:00:00	257.0	15.3	224.0	
04/04/15	15:00:00	257.4	15.0	224.0	
04/04/15	16:00:00	257.8	647.0	224.0	2,059.4
04/04/15	17:00:00	258.1	1835.4	224.0	2,059.4
04/04/15	18:00:00	258.5	1835.2	224.0	2,059.2
04/04/15	19:00:00	258.9	1835.7	224.0	2,059.7
04/04/15	20:00:00	259.3	1835.8	224.0	2,059.8
04/04/15	21:00:00	259.7	1836.4	224.0	2,060.4
04/04/15	22:00:00	260.2	1836.4	224.0	2,060.4
04/04/15	23:00:00	260.6	1836.6	224.0	2,060.6
04/05/15	00:00:00	261.0	1837.2	224.1	2,061.3
04/05/15	01:00:00	261.4	1837.2	224.2	2,061.4
04/05/15	02:00:00	261.8	1837.6	224.3	2,061.9
04/05/15	03:00:00	262.2	1837.9	224.4	2,062.3
04/05/15	04:00:00	262.7	1837.9	224.5	2,062.4
04/05/15	05:00:00	263.1	1838.0	224.6	2,062.7
04/05/15	06:00:00	263.5	1838.5	224.8	2,063.3
04/05/15	07:00:00	263.9	1838.6	224.9	2,063.5
04/05/15	08:00:00	264.3	1838.8	225.0	2,063.8
04/05/15	09:00:00	264.7	1838.9	225.1	2,064.0
04/05/15	10:00:00	265.1	1839.3	225.2	2,064.5
04/05/15	11:00:00	265.6	1839.3	225.3	2,064.6
04/05/15	12:00:00	266.0	1839.3	225.4	2,064.7

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/05/15	13:00:00	266.4	1839.6	225.5	2,065.1
04/05/15	14:00:00	266.8	1840.0	225.6	2,065.6
04/05/15	15:00:00	267.2	1840.0	225.7	2,065.7
04/05/15	16:00:00	267.6	1840.0	225.8	2,065.9
04/05/15	17:00:00	268.0	1840.1	225.9	2,066.0
04/05/15	18:00:00	268.4	1840.2	226.0	2,066.3
04/05/15	19:00:00	268.9	1840.5	226.1	2,066.7
04/05/15	20:00:00	269.3	1840.7	226.3	2,067.0
04/05/15	21:00:00	269.7	1840.8	226.4	2,067.1
04/05/15	22:00:00	270.1	1840.8	226.5	2,067.3
04/05/15	23:00:00	270.5	1841.1	226.6	2,067.6
04/06/15	00:00:00	270.9	1840.9	226.7	2,067.6
04/06/15	01:00:00	271.3	1841.2	226.8	2,068.0
04/06/15	02:00:00	271.7	1841.5	226.9	2,068.4
04/06/15	03:00:00	272.2	1841.5	227.0	2,068.5
04/06/15	04:00:00	272.6	1841.7	227.1	2,068.8
04/06/15	05:00:00	273.0	1842.0	227.2	2,069.2
04/06/15	06:00:00	273.4	1842.1	227.3	2,069.5
04/06/15	07:00:00	273.8	1842.2	227.4	2,069.6
04/06/15	08:00:00	274.2	1842.5	227.5	2,070.1
04/06/15	09:00:00	274.7	1843.0	227.7	2,070.7
04/06/15	10:00:00	275.1	1843.1	227.8	2,070.8
04/06/15	11:00:00	275.5	1843.1	227.9	2,070.9
04/06/15	12:00:00	275.9	1843.3	228.0	2,071.2
04/06/15	13:00:00	276.3	1843.2	228.1	2,071.3
04/06/15	14:00:00	276.7	1843.0	228.2	2,071.2
04/06/15	15:00:00	277.1	1843.1	228.3	2,071.4
04/06/15	16:00:00	277.5	1843.4	228.4	2,071.8
04/06/15	17:00:00	277.9	1843.5	228.5	2,072.0
04/06/15	18:00:00	278.3	1843.7	228.6	2,072.4
04/06/15	19:00:00	278.7	1843.8	228.7	2,072.5
04/06/15	20:00:00	279.1	1843.8	228.8	2,072.6
04/06/15	21:00:00	279.5	1843.8	228.9	2,072.8
04/06/15	22:00:00	280.0	1843.9	229.1	2,073.0
04/06/15	23:00:00	280.4	1844.5	229.2	2,073.7
04/07/15	00:00:00	280.8	1844.5	229.3	2,073.8
04/07/15	01:00:00	281.2	1844.5	229.4	2,073.9
04/07/15	02:00:00	281.6	1844.5	229.5	2,074.0
04/07/15	03:00:00	282.0	1844.7	229.6	2,074.3
04/07/15	04:00:00	282.5	1845.1	229.7	2,074.8

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/07/15	05:00:00	282.9	1845.2	229.8	2,075.0
04/07/15	06:00:00	283.3	1845.2	229.9	2,075.1
04/07/15	07:00:00	283.7	1845.2	230.0	2,075.2
04/07/15	08:00:00	284.1	1845.3	230.1	2,075.4
04/07/15	09:00:00	284.5	1845.4	230.2	2,075.6
04/07/15	10:00:00	284.9	1845.7	230.3	2,076.0
04/07/15	11:00:00	285.3	1845.9	230.4	2,076.3
04/07/15	12:00:00	285.8	1845.9	230.6	2,076.5
04/07/15	13:00:00	286.2	1845.9	230.7	2,076.6
04/07/15	14:00:00	286.6	1845.9	230.8	2,076.7
04/07/15	15:00:00	287.0	1846.0	230.9	2,076.9
04/07/15	16:00:00	287.4	1846.4	231.0	2,077.3
04/07/15	17:00:00	287.8	1846.5	231.1	2,077.6
04/07/15	18:00:00	288.2	1846.6	231.2	2,077.8
04/07/15	19:00:00	288.6	1846.6	231.3	2,077.9
04/07/15	20:00:00	289.1	1846.6	231.4	2,078.0
04/07/15	21:00:00	289.5	1846.8	231.5	2,078.4
04/07/15	22:00:00	289.8	1846.8	231.6	2,078.4
04/07/15	23:00:00	290.2	1846.6	231.7	2,078.3
04/08/15	00:00:00	290.6	1847.0	231.8	2,078.9
04/08/15	01:00:00	291.1	1847.4	232.0	2,079.3
04/08/15	02:00:00	291.5	1847.4	232.1	2,079.4
04/08/15	03:00:00	291.9	1847.6	232.2	2,079.7
04/08/15	04:00:00	292.3	1847.8	232.3	2,080.1
04/08/15	05:00:00	292.8	1848.0	232.4	2,080.3
04/08/15	06:00:00	293.2	1848.1	232.5	2,080.6
04/08/15	07:00:00	293.6	1848.1	232.6	2,080.7
04/08/15	08:00:00	294.0	1848.2	232.7	2,080.9
04/08/15	09:00:00	294.4	1848.5	232.8	2,081.4
04/08/15	10:00:00	294.9	1848.8	232.9	2,081.7
04/08/15	11:00:00	295.3	1848.9	233.0	2,081.9
04/08/15	12:00:00	295.7	1849.0	233.1	2,082.1
04/08/15	13:00:00	296.1	1848.8	233.2	2,082.1
04/08/15	14:00:00	296.5	1849.2	233.4	2,082.5
04/08/15	15:00:00	296.9	1849.2	233.5	2,082.6
04/08/15	16:00:00	297.3	1848.9	233.6	2,082.5
04/08/15	17:00:00	297.7	1849.2	233.7	2,082.9
04/08/15	18:00:00	298.1	1849.4	233.8	2,083.2
04/08/15	19:00:00	298.5	1849.6	233.9	2,083.5
04/08/15	20:00:00	298.9	1849.7	234.0	2,083.6

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/08/15	21:00:00	299.3	1849.7	234.1	2,083.8
04/08/15	22:00:00	299.8	1849.7	234.2	2,084.0
04/08/15	23:00:00	300.2	1849.9	234.3	2,084.2
04/09/15	00:00:00	300.6	1850.2	234.4	2,084.6
04/09/15	01:00:00	301.0	1850.4	234.5	2,085.0
04/09/15	02:00:00	301.4	1850.5	234.6	2,085.1
04/09/15	03:00:00	301.9	1850.5	234.7	2,085.2
04/09/15	04:00:00	302.3	1850.8	234.9	2,085.6
04/09/15	05:00:00	302.7	1851.0	235.0	2,086.0
04/09/15	06:00:00	303.1	1851.1	235.1	2,086.2
04/09/15	07:00:00	303.5	1851.1	235.2	2,086.3
04/09/15	08:00:00	304.0	1851.4	235.3	2,086.7
04/09/15	09:00:00	304.4	1851.8	235.4	2,087.2
04/09/15	10:00:00	304.8	1851.8	235.5	2,087.3
04/09/15	11:00:00	305.2	1851.9	235.6	2,087.5
04/09/15	12:00:00	305.6	1851.8	235.7	2,087.5
04/09/15	13:00:00	306.0	1851.9	235.8	2,087.7
04/09/15	14:00:00	306.4	1852.2	235.9	2,088.1
04/09/15	15:00:00	306.8	1852.2	236.0	2,088.2
04/09/15	16:00:00	307.2	1852.1	236.1	2,088.3
04/09/15	17:00:00	307.6	1852.3	236.3	2,088.6
04/09/15	18:00:00	308.0	1852.5	236.4	2,088.9
04/09/15	19:00:00	308.4	1852.5	236.5	2,088.9
04/09/15	20:00:00	308.9	1852.5	236.6	2,089.1
04/09/15	21:00:00	309.3	1852.5	236.7	2,089.2
04/09/15	22:00:00	309.7	1852.6	236.8	2,089.3
04/09/15	23:00:00	310.1	1853.0	236.9	2,089.9
04/10/15	00:00:00	310.5	1852.8	237.0	2,089.8
04/10/15	01:00:00	310.8	1852.4	237.1	2,089.5
04/10/15	02:00:00	311.1	1852.0	237.2	2,089.3
04/10/15	03:00:00	311.5	1852.0	237.3	2,089.3
04/10/15	04:00:00	311.8	1851.9	237.4	2,089.3
04/10/15	05:00:00	312.2	1851.8	237.5	2,089.4
04/10/15	06:00:00	312.5	1851.8	237.7	2,089.5
04/10/15	07:00:00	312.9	1851.8	237.8	2,089.6
04/10/15	08:00:00	313.2	1852.0	237.9	2,089.9
04/10/15	09:00:00	313.5	1852.4	238.0	2,090.4
04/10/15	10:00:00	313.9	1852.4	238.1	2,090.5
04/10/15	11:00:00	314.2	1852.5	238.2	2,090.6
04/10/15	12:00:00	314.5	1852.4	238.3	2,090.7

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/10/15	13:00:00	314.9	1852.4	238.4	2,090.8
04/10/15	14:00:00	315.2	1852.3	238.5	2,090.8
04/10/15	15:00:00	315.5	1851.9	238.6	2,090.5
04/10/15	16:00:00	315.9	1851.8	238.7	2,090.5
04/10/15	17:00:00	316.2	1851.8	238.8	2,090.6
04/10/15	18:00:00	316.5	1851.8	238.9	2,090.7
04/10/15	19:00:00	316.9	1851.8	239.0	2,090.8
04/10/15	20:00:00	317.2	1851.8	239.2	2,091.0
04/10/15	21:00:00	317.5	1851.8	239.3	2,091.1
04/10/15	22:00:00	317.9	1851.9	239.4	2,091.3
04/10/15	23:00:00	318.2	1852.0	239.5	2,091.5
04/11/15	00:00:00	318.6	1852.2	239.6	2,091.8
04/11/15	01:00:00	318.9	1852.3	239.7	2,092.0
04/11/15	02:00:00	319.3	1852.5	239.8	2,092.3
04/11/15	03:00:00	319.6	1852.5	239.9	2,092.4
04/11/15	04:00:00	319.9	1852.5	240.0	2,092.6
04/11/15	05:00:00	320.3	1852.5	240.1	2,092.6
04/11/15	06:00:00	320.6	1852.5	240.2	2,092.8
04/11/15	07:00:00	321.0	1852.5	240.3	2,092.9
04/11/15	08:00:00	321.3	1852.7	240.4	2,093.2
04/11/15	09:00:00	321.7	1853.1	240.6	2,093.7
04/11/15	10:00:00	322.0	1853.3	240.7	2,094.0
04/11/15	11:00:00	322.3	1853.3	240.8	2,094.1
04/11/15	12:00:00	322.7	1853.1	240.9	2,094.0
04/11/15	13:00:00	323.0	1853.3	241.0	2,094.3
04/11/15	14:00:00	323.3	1853.3	241.1	2,094.4
04/11/15	15:00:00	323.6	1853.3	241.2	2,094.5
04/11/15	16:00:00	324.0	1853.3	241.3	2,094.6
04/11/15	17:00:00	324.3	1853.3	241.4	2,094.7
04/11/15	18:00:00	324.6	1853.3	241.5	2,094.8
04/11/15	19:00:00	325.0	1853.3	241.6	2,094.9
04/11/15	20:00:00	325.3	1853.3	241.7	2,095.0
04/11/15	21:00:00	325.6	1853.3	241.8	2,095.2
04/11/15	22:00:00	326.0	1853.3	242.0	2,095.2
04/11/15	23:00:00	326.3	1853.3	242.1	2,095.4
04/12/15	00:00:00	326.7	1853.3	242.2	2,095.5
04/12/15	01:00:00	327.0	1853.8	242.3	2,096.1
04/12/15	02:00:00	327.3	1853.8	242.4	2,096.2
04/12/15	03:00:00	327.7	1854.0	242.5	2,096.5
04/12/15	04:00:00	328.0	1854.0	242.6	2,096.6

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/12/15	05:00:00	328.4	1854.0	242.7	2,096.7
04/12/15	06:00:00	328.7	1854.0	242.8	2,096.8
04/12/15	07:00:00	329.1	1854.0	242.9	2,096.9
04/12/15	08:00:00	329.4	1854.5	243.0	2,097.5
04/12/15	09:00:00	329.5	1853.3	243.1	2,096.5
04/12/15	10:00:00	329.7	1852.5	243.2	2,095.7
04/12/15	11:00:00	330.0	1852.6	243.3	2,096.0
04/12/15	12:00:00	330.3	1853.4	243.5	2,096.9
04/12/15	13:00:00	330.6	1853.9	243.6	2,097.4
04/12/15	14:00:00	330.9	1853.6	243.7	2,097.2
04/12/15	15:00:00	331.2	1853.3	243.8	2,097.1
04/12/15	16:00:00	331.5	1853.7	243.9	2,097.6
04/12/15	17:00:00	331.8	1853.9	244.0	2,097.9
04/12/15	18:00:00	332.2	1853.9	244.1	2,098.0
04/12/15	19:00:00	332.5	1854.0	244.2	2,098.2
04/12/15	20:00:00	332.8	1854.0	244.3	2,098.3
04/12/15	21:00:00	333.2	1854.0	244.4	2,098.4
04/12/15	22:00:00	333.5	1854.1	244.5	2,098.6
04/12/15	23:00:00	333.8	1854.2	244.6	2,098.9
04/13/15	00:00:00	334.2	1854.5	244.7	2,099.3
04/13/15	01:00:00	334.5	1854.6	244.9	2,099.5
04/13/15	02:00:00	334.9	1854.7	245.0	2,099.7
04/13/15	03:00:00	335.2	1854.7	245.1	2,099.8
04/13/15	04:00:00	335.5	1854.5	245.2	2,099.7
04/13/15	05:00:00	335.8	1854.3	245.3	2,099.6
04/13/15	06:00:00	336.1	1854.7	245.4	2,100.1
04/13/15	07:00:00	336.5	1854.7	245.5	2,100.2
04/13/15	08:00:00	336.8	1855.4	245.6	2,101.0
04/13/15	09:00:00	337.1	1855.5	245.7	2,101.2
04/13/15	10:00:00	337.5	1855.5	245.8	2,101.3
04/13/15	11:00:00	337.8	1855.6	245.9	2,101.5
04/13/15	12:00:00	338.1	1855.6	246.0	2,101.7
04/13/15	13:00:00	338.4	1855.4	246.1	2,101.5
04/13/15	14:00:00	338.7	1855.5	246.3	2,101.8
04/13/15	15:00:00	339.0	1855.4	246.4	2,101.7
04/13/15	16:00:00	339.4	1855.5	246.5	2,101.9
04/13/15	17:00:00	339.7	1855.5	246.6	2,102.1
04/13/15	18:00:00	340.0	1855.7	246.7	2,102.3
04/13/15	19:00:00	340.4	1855.8	246.8	2,102.6
04/13/15	20:00:00	340.7	1856.0	246.9	2,102.9

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/13/15	21:00:00	341.1	1856.2	247.0	2,103.2
04/13/15	22:00:00	341.4	1856.2	247.1	2,103.3
04/13/15	23:00:00	341.7	1856.2	247.2	2,103.4
04/14/15	00:00:00	342.1	1856.2	247.3	2,103.5
04/14/15	01:00:00	342.4	1856.3	247.4	2,103.7
04/14/15	02:00:00	342.8	1856.5	247.5	2,104.0
04/14/15	03:00:00	343.1	1856.7	247.6	2,104.4
04/14/15	04:00:00	343.4	1856.9	247.8	2,104.6
04/14/15	05:00:00	343.8	1856.9	247.9	2,104.7
04/14/15	06:00:00	344.1	1856.8	248.0	2,104.8
04/14/15	07:00:00	344.5	1856.9	248.1	2,105.0
04/14/15	08:00:00	344.7	1856.7	248.2	2,104.9
04/14/15	09:00:00	345.1	1857.5	248.3	2,105.8
04/14/15	10:00:00	345.5	1858.3	248.4	2,106.7
04/14/15	11:00:00	346.0	1858.5	248.5	2,107.0
04/14/15	12:00:00	346.3	1858.4	248.6	2,107.0
04/14/15	13:00:00	346.7	1859.0	248.7	2,107.7
04/14/15	14:00:00	347.1	1859.2	248.8	2,108.0
04/14/15	15:00:00	347.5	1859.2	248.9	2,108.1
04/14/15	16:00:00	347.9	1859.5	249.0	2,108.5
04/14/15	17:00:00	348.4	1859.7	249.2	2,108.8
04/14/15	18:00:00	348.8	1859.9	249.3	2,109.2
04/14/15	19:00:00	349.2	1859.9	249.4	2,109.3
04/14/15	20:00:00	349.6	1860.1	249.5	2,109.6
04/14/15	21:00:00	350.0	1860.5	249.6	2,110.1
04/14/15	22:00:00	350.4	1860.6	249.7	2,110.3
04/14/15	23:00:00	350.8	1860.6	249.8	2,110.4
04/15/15	00:00:00	351.2	1861.0	249.9	2,110.9
04/15/15	01:00:00	351.7	1861.3	250.0	2,111.4
04/15/15	02:00:00	352.1	1861.4	250.1	2,111.5
04/15/15	03:00:00	352.5	1861.4	250.2	2,111.7
04/15/15	04:00:00	352.9	1861.9	250.3	2,112.3
04/15/15	05:00:00	353.4	1862.0	250.4	2,112.5
04/15/15	06:00:00	353.8	1862.0	250.6	2,112.6
04/15/15	07:00:00	354.2	1862.3	250.7	2,113.0
04/15/15	08:00:00	354.6	1862.8	250.8	2,113.5
04/15/15	09:00:00	355.1	1862.9	250.9	2,113.8
04/15/15	10:00:00	355.5	1863.2	251.0	2,114.1
04/15/15	11:00:00	355.9	1863.3	251.1	2,114.4
04/15/15	12:00:00	356.3	1863.5	251.2	2,114.7

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/15/15	13:00:00	356.7	1863.6	251.3	2,114.9
04/15/15	14:00:00	357.1	1863.6	251.4	2,115.0
04/15/15	15:00:00	357.5	1863.6	251.5	2,115.1
04/15/15	16:00:00	357.9	1863.6	251.6	2,115.2
04/15/15	17:00:00	358.3	1863.7	251.7	2,115.5
04/15/15	18:00:00	358.7	1864.2	251.8	2,116.0
04/15/15	19:00:00	359.1	1864.1	251.9	2,116.0
04/15/15	20:00:00	359.6	1864.3	252.1	2,116.4
04/15/15	21:00:00	360.0	1864.4	252.2	2,116.6
04/15/15	22:00:00	360.4	1864.4	252.3	2,116.7
04/15/15	23:00:00	360.8	1864.4	252.4	2,116.8
04/16/15	00:00:00	361.2	1864.6	252.5	2,117.1
04/16/15	01:00:00	361.7	1864.9	252.6	2,117.5
04/16/15	02:00:00	362.1	1865.0	252.7	2,117.7
04/16/15	03:00:00	362.5	1864.9	252.8	2,117.7
04/16/15	04:00:00	362.9	1865.0	252.9	2,117.9
04/16/15	05:00:00	363.4	1865.5	253.0	2,118.5
04/16/15	06:00:00	363.8	1865.7	253.1	2,118.9
04/16/15	07:00:00	364.2	1865.8	253.2	2,119.0
04/16/15	08:00:00	364.6	1866.2	253.3	2,119.5
04/16/15	09:00:00	365.0	1866.5	253.5	2,119.9
04/16/15	10:00:00	365.4	1866.5	253.6	2,120.1
04/16/15	11:00:00	365.8	1866.6	253.7	2,120.3
04/16/15	12:00:00	366.2	1866.6	253.8	2,120.4
04/16/15	13:00:00	366.6	1866.6	253.9	2,120.5
04/16/15	14:00:00	366.7	1865.0	254.0	2,118.9
04/16/15	15:00:00	366.7	1862.3	254.1	2,116.4
04/16/15	16:00:00	366.7	1861.0	254.2	2,115.2
04/16/15	17:00:00	366.7	1860.2	254.3	2,114.5
04/16/15	18:00:00	366.7	1859.3	254.4	2,113.7
04/16/15	19:00:00	366.7	1858.4	254.5	2,112.9
04/16/15	20:00:00	366.7	1857.6	254.6	2,112.2
04/16/15	21:00:00	366.7	1856.9	254.7	2,111.6
04/16/15	22:00:00	366.7	1856.2	254.9	2,111.0
04/16/15	23:00:00	366.7	1855.6	255.0	2,110.5
04/17/15	00:00:00	366.7	1855.2	255.1	2,110.2
04/17/15	01:00:00	366.7	1854.7	255.2	2,109.8
04/17/15	02:00:00	366.7	1854.0	255.3	2,109.3
04/17/15	03:00:00	366.7	1853.6	255.4	2,108.9
04/17/15	04:00:00	366.7	1853.3	255.5	2,108.8

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/17/15	05:00:00	366.7	1852.8	255.6	2,108.4
04/17/15	06:00:00	366.7	1852.4	255.7	2,108.1
04/17/15	07:00:00	366.7	1851.9	255.8	2,107.7
04/17/15	08:00:00	366.7	1851.9	255.9	2,107.8
04/17/15	09:00:00	366.7	1851.8	256.0	2,107.9
04/17/15	10:00:00	366.7	1851.5	256.1	2,107.7
04/17/15	11:00:00	366.7	1851.2	256.2	2,107.5
04/17/15	12:00:00	366.7	1851.0	256.4	2,107.4
04/17/15	13:00:00	366.7	1850.6	256.5	2,107.0
04/17/15	14:00:00	366.7	1850.3	256.6	2,106.9
04/17/15	15:00:00	366.7	1849.9	256.7	2,106.6
04/17/15	16:00:00	366.7	1849.6	256.8	2,106.4
04/17/15	17:00:00	366.7	1849.0	256.9	2,105.9
04/17/15	18:00:00	366.7	1848.9	257.0	2,105.9
04/17/15	19:00:00	366.7	1848.6	257.1	2,105.7
04/17/15	20:00:00	366.7	1848.2	257.2	2,105.4
04/17/15	21:00:00	366.7	1848.2	257.3	2,105.5
04/17/15	22:00:00	366.7	1847.9	257.4	2,105.4
04/17/15	23:00:00	366.7	1847.5	257.5	2,105.0
04/18/15	00:00:00	366.7	1847.4	257.6	2,105.0
04/18/15	01:00:00	366.7	1847.2	257.8	2,104.9
04/18/15	02:00:00	366.7	1846.7	257.9	2,104.6
04/18/15	03:00:00	366.7	1846.7	258.0	2,104.6
04/18/15	04:00:00	366.7	1846.6	258.1	2,104.7
04/18/15	05:00:00	366.7	1846.5	258.2	2,104.6
04/18/15	06:00:00	366.8	1846.8	258.3	2,105.1
04/18/15	07:00:00	366.9	1847.5	258.4	2,105.9
04/18/15	08:00:00	367.0	1847.8	258.5	2,106.3
04/18/15	09:00:00	367.1	1848.2	258.6	2,106.8
04/18/15	10:00:00	367.3	1848.5	258.7	2,107.2
04/18/15	11:00:00	367.4	1848.7	258.8	2,107.5
04/18/15	12:00:00	367.6	1849.1	258.9	2,108.1
04/18/15	13:00:00	367.9	1849.7	259.0	2,108.8
04/18/15	14:00:00	368.1	1850.2	259.2	2,109.3
04/18/15	15:00:00	368.3	1850.4	259.3	2,109.7
04/18/15	16:00:00	368.6	1850.7	259.4	2,110.0
04/18/15	17:00:00	368.9	1851.8	259.5	2,111.2
04/18/15	18:00:00	369.2	1852.2	259.6	2,111.8
04/18/15	19:00:00	369.5	1852.6	259.7	2,112.3
04/18/15	20:00:00	369.8	1853.1	259.8	2,112.9

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/18/15	21:00:00	370.2	1853.3	259.9	2,113.3
04/18/15	22:00:00	370.5	1853.7	260.0	2,113.8
04/18/15	23:00:00	370.8	1854.0	260.1	2,114.2
04/19/15	00:00:00	371.1	1854.5	260.2	2,114.8
04/19/15	01:00:00	371.5	1854.8	260.3	2,115.1
04/19/15	02:00:00	371.8	1855.2	260.4	2,115.7
04/19/15	03:00:00	372.1	1855.4	260.5	2,116.0
04/19/15	04:00:00	372.5	1855.8	260.7	2,116.5
04/19/15	05:00:00	372.8	1856.1	260.8	2,116.9
04/19/15	06:00:00	373.1	1856.3	260.9	2,117.1
04/19/15	07:00:00	373.5	1856.7	261.0	2,117.7
04/19/15	08:00:00	373.8	1856.9	261.1	2,118.0
04/19/15	09:00:00	374.1	1857.5	261.2	2,118.7
04/19/15	10:00:00	374.5	1857.7	261.3	2,119.0
04/19/15	11:00:00	374.8	1857.8	261.4	2,119.2
04/19/15	12:00:00	375.1	1858.1	261.5	2,119.6
04/19/15	13:00:00	375.4	1858.3	261.6	2,119.9
04/19/15	14:00:00	375.8	1858.4	261.7	2,120.2
04/19/15	15:00:00	376.1	1858.4	261.8	2,120.3
04/19/15	16:00:00	376.4	1858.4	261.9	2,120.4
04/19/15	17:00:00	376.7	1858.4	262.1	2,120.5
04/19/15	18:00:00	377.0	1858.5	262.2	2,120.6
04/19/15	19:00:00	377.4	1858.7	262.3	2,120.9
04/19/15	20:00:00	377.7	1859.0	262.4	2,121.3
04/19/15	21:00:00	378.0	1859.1	262.5	2,121.6
04/19/15	22:00:00	378.4	1859.1	262.6	2,121.7
04/19/15	23:00:00	378.7	1859.2	262.7	2,121.9
04/20/15	00:00:00	379.0	1859.6	262.8	2,122.4
04/20/15	01:00:00	379.3	1859.7	262.9	2,122.7
04/20/15	02:00:00	379.7	1859.8	263.0	2,122.8
04/20/15	03:00:00	380.0	1859.8	263.1	2,123.0
04/20/15	04:00:00	380.3	1859.8	263.2	2,123.1
04/20/15	05:00:00	380.7	1860.1	263.3	2,123.5
04/20/15	06:00:00	381.0	1860.5	263.5	2,123.9
04/20/15	07:00:00	381.3	1860.6	263.6	2,124.1
04/20/15	08:00:00	381.7	1860.6	263.7	2,124.2
04/20/15	09:00:00	382.0	1860.8	263.8	2,124.6
04/20/15	10:00:00	382.3	1860.7	263.9	2,124.6
04/20/15	11:00:00	382.6	1861.0	264.0	2,125.0
04/20/15	12:00:00	382.8	1860.1	264.1	2,124.2

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/20/15	13:00:00	383.1	1859.8	264.2	2,124.0
04/20/15	14:00:00	383.5	1861.2	264.3	2,125.5
04/20/15	15:00:00	383.8	1861.4	264.4	2,125.8
04/20/15	16:00:00	384.2	1862.0	264.5	2,126.5
04/20/15	17:00:00	384.6	1862.0	264.6	2,126.6
04/20/15	18:00:00	385.0	1862.3	264.7	2,127.0
04/20/15	19:00:00	385.4	1862.7	264.8	2,127.5
04/20/15	20:00:00	385.8	1862.7	265.0	2,127.7
04/20/15	21:00:00	386.2	1863.0	265.1	2,128.1
04/20/15	22:00:00	386.6	1863.4	265.2	2,128.6
04/20/15	23:00:00	387.0	1863.5	265.3	2,128.7
04/21/15	00:00:00	387.4	1863.8	265.4	2,129.2
04/21/15	01:00:00	387.8	1863.8	265.5	2,129.3
04/21/15	02:00:00	388.1	1863.4	265.6	2,129.0
04/21/15	03:00:00	388.4	1863.4	265.7	2,129.1
04/21/15	04:00:00	388.8	1863.6	265.8	2,129.4
04/21/15	05:00:00	389.2	1864.3	265.9	2,130.2
04/21/15	06:00:00	389.6	1864.4	266.0	2,130.5
04/21/15	07:00:00	390.0	1864.9	266.1	2,131.0
04/21/15	08:00:00	390.4	1864.9	266.2	2,131.2
04/21/15	09:00:00	390.9	1865.7	266.4	2,132.0
04/21/15	10:00:00	391.3	1865.8	266.5	2,132.2
04/21/15	11:00:00	391.6	1865.9	266.6	2,132.5
04/21/15	12:00:00	392.0	1865.7	266.7	2,132.4
04/21/15	13:00:00	392.2	1865.2	266.8	2,132.0
04/21/15	14:00:00	392.6	1864.8	266.9	2,131.7
04/21/15	15:00:00	393.0	1865.8	267.0	2,132.8
04/21/15	16:00:00	393.4	1865.8	267.1	2,132.9
04/21/15	17:00:00	393.8	1866.1	267.2	2,133.4
04/21/15	18:00:00	394.2	1866.4	267.3	2,133.8
04/21/15	19:00:00	394.6	1866.4	267.4	2,133.9
04/21/15	20:00:00	395.0	1866.5	267.5	2,134.0
04/21/15	21:00:00	395.3	1866.4	267.6	2,134.0
04/21/15	22:00:00	395.7	1866.4	267.8	2,134.1
04/21/15	23:00:00	396.1	1867.0	267.9	2,134.8
04/22/15	00:00:00	396.5	1867.2	268.0	2,135.1
04/22/15	01:00:00	396.9	1867.2	268.1	2,135.3
04/22/15	02:00:00	397.3	1867.4	268.2	2,135.6
04/22/15	03:00:00	397.7	1867.9	268.3	2,136.2
04/22/15	04:00:00	398.2	1867.9	268.4	2,136.3

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/22/15	05:00:00	398.6	1867.9	268.5	2,136.4
04/22/15	06:00:00	399.0	1868.3	268.6	2,136.9
04/22/15	07:00:00	399.4	1868.5	268.7	2,137.2
04/22/15	08:00:00	399.8	1868.6	268.8	2,137.5
04/22/15	09:00:00	400.2	1868.7	268.9	2,137.7
04/22/15	10:00:00	400.6	1869.0	269.0	2,138.0
04/22/15	11:00:00	401.0	1869.3	269.1	2,138.5
04/22/15	12:00:00	401.4	1869.4	269.3	2,138.6
04/22/15	13:00:00	401.7	1869.1	269.4	2,138.5
04/22/15	14:00:00	402.0	1868.6	269.5	2,138.1
04/22/15	15:00:00	402.3	1868.1	269.6	2,137.7
04/22/15	16:00:00	402.5	1867.6	269.7	2,137.3
04/22/15	17:00:00	402.9	1868.4	269.8	2,138.2
04/22/15	18:00:00	403.3	1868.6	269.9	2,138.5
04/22/15	19:00:00	403.7	1868.8	270.0	2,138.8
04/22/15	20:00:00	404.1	1869.2	270.1	2,139.4
04/22/15	21:00:00	404.5	1869.3	270.2	2,139.6
04/22/15	22:00:00	404.9	1869.4	270.3	2,139.7
04/22/15	23:00:00	405.3	1869.6	270.4	2,140.0
04/23/15	00:00:00	405.7	1869.9	270.5	2,140.4
04/23/15	01:00:00	406.1	1870.0	270.7	2,140.7
04/23/15	02:00:00	406.5	1870.1	270.8	2,140.9
04/23/15	03:00:00	407.0	1870.2	270.9	2,141.1
04/23/15	04:00:00	407.4	1870.9	271.0	2,141.9
04/23/15	05:00:00	407.8	1870.9	271.1	2,142.0
04/23/15	06:00:00	408.2	1870.9	271.2	2,142.1
04/23/15	07:00:00	408.6	1871.0	271.3	2,142.3
04/23/15	08:00:00	409.0	1871.5	271.4	2,142.9
04/23/15	09:00:00	409.4	1871.6	271.5	2,143.1
04/23/15	10:00:00	409.8	1871.9	271.6	2,143.5
04/23/15	11:00:00	410.2	1872.3	271.7	2,144.1
04/23/15	12:00:00	410.6	1872.4	271.8	2,144.2
04/23/15	13:00:00	411.0	1872.4	271.9	2,144.3
04/23/15	14:00:00	411.4	1872.4	272.1	2,144.4
04/23/15	15:00:00	411.8	1872.4	272.2	2,144.5
04/23/15	16:00:00	412.2	1872.4	272.3	2,144.6
04/23/15	17:00:00	412.6	1872.4	272.4	2,144.7
04/23/15	18:00:00	413.0	1872.4	272.5	2,144.8
04/23/15	19:00:00	413.4	1872.4	272.6	2,145.0
04/23/15	20:00:00	413.8	1872.5	272.7	2,145.2

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/23/15	21:00:00	414.2	1872.7	272.8	2,145.6
04/23/15	22:00:00	414.6	1873.1	272.9	2,146.0
04/23/15	23:00:00	415.0	1873.1	273.0	2,146.1
04/24/15	00:00:00	415.4	1873.1	273.1	2,146.2
04/24/15	01:00:00	415.8	1873.2	273.2	2,146.4
04/24/15	02:00:00	416.2	1873.4	273.3	2,146.7
04/24/15	03:00:00	416.6	1873.7	273.4	2,147.2
04/24/15	04:00:00	417.1	1873.8	273.6	2,147.3
04/24/15	05:00:00	417.5	1873.8	273.7	2,147.5
04/24/15	06:00:00	417.9	1873.8	273.8	2,147.6
04/24/15	07:00:00	417.9	1872.3	273.9	2,146.1
04/24/15	08:00:00	417.9	1869.5	274.0	2,143.5
04/24/15	09:00:00	417.9	1868.7	274.1	2,142.8
04/24/15	10:00:00	417.9	1867.9	274.2	2,142.1
04/24/15	11:00:00	417.9	1867.2	274.3	2,141.5
04/24/15	12:00:00	417.9	1866.7	274.4	2,141.1
04/24/15	13:00:00	417.9	1866.1	274.5	2,140.7
04/24/15	14:00:00	417.9	1865.4	274.6	2,140.0
04/24/15	15:00:00	418.2	1866.7	274.7	2,141.5
04/24/15	16:00:00	418.6	1868.3	274.8	2,143.2
04/24/15	17:00:00	419.0	1869.0	275.0	2,144.0
04/24/15	18:00:00	419.4	1869.4	275.1	2,144.5
04/24/15	19:00:00	419.8	1870.0	275.2	2,145.1
04/24/15	20:00:00	420.2	1870.1	275.3	2,145.4
04/24/15	21:00:00	420.6	1870.8	275.4	2,146.2
04/24/15	22:00:00	421.0	1871.0	275.5	2,146.5
04/24/15	23:00:00	421.4	1871.4	275.6	2,147.0
04/25/15	00:00:00	421.9	1871.5	275.7	2,147.2
04/25/15	01:00:00	422.3	1871.5	275.8	2,147.4
04/25/15	02:00:00	422.7	1872.2	275.9	2,148.1
04/25/15	03:00:00	423.1	1872.4	276.0	2,148.4
04/25/15	04:00:00	423.5	1872.5	276.1	2,148.6
04/25/15	05:00:00	423.9	1873.1	276.2	2,149.3
04/25/15	06:00:00	424.3	1873.1	276.4	2,149.4
04/25/15	07:00:00	424.7	1873.2	276.5	2,149.7
04/25/15	08:00:00	425.1	1873.8	276.6	2,150.4
04/25/15	09:00:00	425.5	1873.9	276.7	2,150.5
04/25/15	10:00:00	425.9	1874.2	276.8	2,151.0
04/25/15	11:00:00	426.3	1874.5	276.9	2,151.3
04/25/15	12:00:00	426.7	1874.6	277.0	2,151.5

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/25/15	13:00:00	427.1	1874.6	277.1	2,151.7
04/25/15	14:00:00	427.5	1874.6	277.2	2,151.8
04/25/15	15:00:00	427.9	1874.6	277.3	2,151.9
04/25/15	16:00:00	428.3	1875.1	277.4	2,152.5
04/25/15	17:00:00	428.7	1875.2	277.5	2,152.7
04/25/15	18:00:00	429.1	1875.2	277.6	2,152.9
04/25/15	19:00:00	429.5	1875.3	277.7	2,153.0
04/25/15	20:00:00	429.9	1875.3	277.9	2,153.2
04/25/15	21:00:00	430.3	1875.7	278.0	2,153.7
04/25/15	22:00:00	430.7	1876.0	278.1	2,154.0
04/25/15	23:00:00	431.1	1876.0	278.2	2,154.1
04/26/15	00:00:00	431.5	1876.0	278.3	2,154.3
04/26/15	01:00:00	432.0	1876.4	278.4	2,154.8
04/26/15	02:00:00	432.4	1876.6	278.5	2,155.1
04/26/15	03:00:00	432.8	1876.7	278.6	2,155.3
04/26/15	04:00:00	433.2	1876.7	278.7	2,155.4
04/26/15	05:00:00	433.6	1877.0	278.8	2,155.8
04/26/15	06:00:00	434.0	1877.3	278.9	2,156.2
04/26/15	07:00:00	434.4	1877.5	279.0	2,156.6
04/26/15	08:00:00	434.9	1877.7	279.1	2,156.8
04/26/15	09:00:00	435.3	1877.9	279.3	2,157.1
04/26/15	10:00:00	435.7	1878.1	279.4	2,157.5
04/26/15	11:00:00	436.1	1878.1	279.5	2,157.6
04/26/15	12:00:00	436.5	1878.1	279.6	2,157.7
04/26/15	13:00:00	436.9	1878.1	279.7	2,157.8
04/26/15	14:00:00	437.3	1878.1	279.8	2,157.9
04/26/15	15:00:00	437.7	1878.1	279.9	2,158.0
04/26/15	16:00:00	438.0	1878.2	280.0	2,158.2
04/26/15	17:00:00	438.4	1878.1	280.1	2,158.2
04/26/15	18:00:00	438.8	1878.2	280.2	2,158.4
04/26/15	19:00:00	439.2	1878.3	280.3	2,158.6
04/26/15	20:00:00	439.6	1878.8	280.4	2,159.2
04/26/15	21:00:00	440.0	1879.0	280.5	2,159.5
04/26/15	22:00:00	440.4	1879.0	280.7	2,159.6
04/26/15	23:00:00	440.8	1879.0	280.8	2,159.8
04/27/15	00:00:00	441.2	1879.3	280.9	2,160.1
04/27/15	01:00:00	441.6	1879.4	281.0	2,160.4
04/27/15	02:00:00	442.1	1879.5	281.1	2,160.6
04/27/15	03:00:00	442.5	1879.6	281.2	2,160.7
04/27/15	04:00:00	442.9	1879.6	281.3	2,160.9

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/27/15	05:00:00	443.3	1879.6	281.4	2,161.0
04/27/15	06:00:00	443.7	1880.0	281.5	2,161.5
04/27/15	07:00:00	444.1	1880.1	281.6	2,161.7
04/27/15	08:00:00	444.5	1880.4	281.7	2,162.2
04/27/15	09:00:00	444.9	1880.5	281.8	2,162.4
04/27/15	10:00:00	445.3	1880.7	281.9	2,162.7
04/27/15	11:00:00	445.7	1881.0	282.0	2,163.1
04/27/15	12:00:00	446.1	1881.1	282.2	2,163.3
04/27/15	13:00:00	446.5	1881.2	282.3	2,163.4
04/27/15	14:00:00	446.9	1881.1	282.4	2,163.5
04/27/15	15:00:00	447.3	1881.1	282.5	2,163.6
04/27/15	16:00:00	447.7	1881.0	282.6	2,163.6
04/27/15	17:00:00	448.0	1881.1	282.7	2,163.8
04/27/15	18:00:00	448.4	1881.1	282.8	2,163.9
04/27/15	19:00:00	448.8	1881.1	282.9	2,164.0
04/27/15	20:00:00	449.2	1881.1	283.0	2,164.1
04/27/15	21:00:00	449.6	1881.1	283.1	2,164.2
04/27/15	22:00:00	450.0	1881.2	283.2	2,164.4
04/27/15	23:00:00	450.4	1881.4	283.3	2,164.7
04/28/15	00:00:00	450.8	1881.7	283.4	2,165.2
04/28/15	01:00:00	451.2	1881.8	283.6	2,165.4
04/28/15	02:00:00	451.6	1881.8	283.7	2,165.5
04/28/15	03:00:00	452.0	1881.8	283.8	2,165.6
04/28/15	04:00:00	452.4	1882.2	283.9	2,166.1
04/28/15	05:00:00	452.8	1882.4	284.0	2,166.4
04/28/15	06:00:00	453.2	1882.5	284.1	2,166.6
04/28/15	07:00:00	453.7	1882.6	284.2	2,166.8
04/28/15	08:00:00	454.1	1883.0	284.3	2,167.3
04/28/15	09:00:00	454.5	1883.3	284.4	2,167.7
04/28/15	10:00:00	454.9	1883.3	284.5	2,167.8
04/28/15	11:00:00	455.3	1883.3	284.6	2,167.9
04/28/15	12:00:00	455.6	1883.3	284.7	2,168.0
04/28/15	13:00:00	456.0	1883.3	284.8	2,168.1
04/28/15	14:00:00	456.4	1883.3	285.0	2,168.2
04/28/15	15:00:00	456.8	1883.2	285.1	2,168.3
04/28/15	16:00:00	457.2	1883.2	285.2	2,168.4
04/28/15	17:00:00	457.6	1883.2	285.3	2,168.5
04/28/15	18:00:00	458.0	1883.3	285.4	2,168.7
04/28/15	19:00:00	458.3	1883.2	285.5	2,168.7
04/28/15	20:00:00	458.7	1883.5	285.6	2,169.1

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/28/15	21:00:00	459.1	1883.7	285.7	2,169.4
04/28/15	22:00:00	459.5	1883.8	285.8	2,169.7
04/28/15	23:00:00	459.9	1884.0	285.9	2,169.9
04/29/15	00:00:00	460.4	1884.0	286.0	2,170.0
04/29/15	01:00:00	460.8	1884.1	286.1	2,170.2
04/29/15	02:00:00	461.2	1884.4	286.2	2,170.6
04/29/15	03:00:00	461.6	1884.6	286.3	2,171.0
04/29/15	04:00:00	462.0	1884.7	286.5	2,171.2
04/29/15	05:00:00	462.4	1884.7	286.6	2,171.3
04/29/15	06:00:00	462.8	1884.7	286.7	2,171.4
04/29/15	07:00:00	463.2	1885.0	286.8	2,171.8
04/29/15	08:00:00	463.6	1885.6	286.9	2,172.5
04/29/15	09:00:00	464.0		287.0	
04/29/15	10:00:00	464.4		287.1	
04/29/15	11:00:00	464.8		287.2	
04/29/15	12:00:00	465.2		287.3	
04/29/15	13:00:00	465.6		287.4	
04/29/15	14:00:00	466.0	1875.6	287.5	2,163.1
04/29/15	15:00:00	466.4	1875.8	287.6	2,163.4
04/29/15	16:00:00	466.8	1875.4	287.7	2,163.1
04/29/15	17:00:00	467.2	1875.5	287.9	2,163.4
04/29/15	18:00:00	467.6	1875.5	288.0	2,163.4
04/29/15	19:00:00	467.9	1875.5	288.1	2,163.5
04/29/15	20:00:00	468.3	1875.6	288.2	2,163.8
04/29/15	21:00:00	468.7	1875.7	288.3	2,164.0
04/29/15	22:00:00	469.1	1875.9	288.4	2,164.3
04/29/15	23:00:00	469.5	1875.9	288.5	2,164.4
04/30/15	00:00:00	469.9	1875.9	288.6	2,164.6
04/30/15	01:00:00	470.3	1876.0	288.7	2,164.7
04/30/15	02:00:00	470.7	1876.0	288.8	2,164.8
04/30/15	03:00:00	471.1	1876.2	288.9	2,165.1
04/30/15	04:00:00	471.6	1876.5	289.0	2,165.6
04/30/15	05:00:00	472.0	1876.7	289.1	2,165.8
04/30/15	06:00:00	472.4	1876.7	289.3	2,165.9
04/30/15	07:00:00	472.8	1876.7	289.4	2,166.1
04/30/15	08:00:00	473.2	1877.4	289.5	2,166.9
04/30/15	09:00:00	473.6	1877.5	289.6	2,167.1
04/30/15	10:00:00	474.0	1877.5	289.7	2,167.2
04/30/15	11:00:00	474.4	1877.5	289.8	2,167.3
04/30/15	12:00:00	474.7	1877.5	289.9	2,167.4

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
04/30/15	13:00:00	475.1	1877.5	290.0	2,167.5
04/30/15	14:00:00	475.5	1877.5	290.1	2,167.6
04/30/15	15:00:00	475.9	1877.5	290.2	2,167.7
04/30/15	16:00:00	476.3	1875.9	290.3	2,166.2
04/30/15	17:00:00	476.7	1875.7	290.4	2,166.2
04/30/15	18:00:00	477.0	1875.2	290.5	2,165.7
04/30/15	19:00:00	477.4	1874.7	290.6	2,165.4
04/30/15	20:00:00	477.8	1874.4	290.8	2,165.2
04/30/15	21:00:00	478.2	1874.0	290.9	2,164.9
04/30/15	22:00:00	478.6	1873.9	291.0	2,164.8
04/30/15	23:00:00	479.0	1873.8	291.1	2,164.9
05/01/15	00:00:00	479.4	1873.9	291.2	2,165.0
05/01/15	01:00:00	479.8	1874.0	291.3	2,165.3
05/01/15	02:00:00	480.2	1874.2	291.4	2,165.6
05/01/15	03:00:00	480.6	1874.5	291.5	2,166.0
05/01/15	04:00:00	481.0	1874.5	291.6	2,166.1
05/01/15	05:00:00	481.4	1874.5	291.7	2,166.2
05/01/15	06:00:00	481.8	1874.5	291.8	2,166.3
05/01/15	07:00:00	482.2	1874.7	291.9	2,166.7
05/01/15	08:00:00	482.6	1875.2	292.0	2,167.3
05/01/15	09:00:00	483.0	1875.3	292.2	2,167.4
05/01/15	10:00:00	483.4	1875.2	292.3	2,167.5
05/01/15	11:00:00	483.8	1874.7	292.4	2,167.1
05/01/15	12:00:00	484.0	1873.3	292.5	2,165.8
05/01/15	13:00:00	484.0	1869.8	292.6	2,162.4
05/01/15	14:00:00	484.0	1868.1	292.7	2,160.8
05/01/15	15:00:00	484.0	1866.8	292.8	2,159.6
05/01/15	16:00:00	484.0	1865.9	292.9	2,158.8
05/01/15	17:00:00	484.0	1865.0	293.0	2,158.0
05/01/15	18:00:00	484.0	1864.3	293.1	2,157.4
05/01/15	19:00:00	484.0	1863.6	293.2	2,156.8
05/01/15	20:00:00	484.0	1862.8	293.3	2,156.2
05/01/15	21:00:00	484.0	1862.3	293.4	2,155.7
05/01/15	22:00:00	484.0	1861.7	293.6	2,155.2
05/01/15	23:00:00	484.0	1861.2	293.7	2,154.9
05/02/15	00:00:00	484.0	1860.6	293.8	2,154.3
05/02/15	01:00:00	484.0	1860.0	293.9	2,153.8
05/02/15	02:00:00	484.0	1859.7	294.0	2,153.7
05/02/15	03:00:00	484.0	1859.1	294.1	2,153.2
05/02/15	04:00:00	484.0	1858.8	294.2	2,153.0

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/02/15	05:00:00	484.0	1858.4	294.3	2,152.7
05/02/15	06:00:00	484.0	1858.3	294.4	2,152.7
05/02/15	07:00:00	484.0	1857.7	294.5	2,152.2
05/02/15	08:00:00	484.0	1857.7	294.6	2,152.3
05/02/15	09:00:00	484.0	1857.7	294.7	2,152.5
05/02/15	10:00:00	484.0	1857.2	294.8	2,152.0
05/02/15	11:00:00	484.0	1856.8	294.9	2,151.8
05/02/15	12:00:00	484.0	1856.2	295.1	2,151.2
05/02/15	13:00:00	484.0	1855.5	295.2	2,150.7
05/02/15	14:00:00	484.0	1854.9	295.3	2,150.2
05/02/15	15:00:00	484.0	1854.1	295.4	2,149.5
05/02/15	16:00:00	484.0	1853.6	295.5	2,149.1
05/02/15	17:00:00	484.0	1852.9	295.6	2,148.5
05/02/15	18:00:00	484.0	1852.4	295.7	2,148.1
05/02/15	19:00:00	484.0	1851.8	295.8	2,147.6
05/02/15	20:00:00	484.0	1851.1	295.9	2,147.0
05/02/15	21:00:00	484.0	1851.0	296.0	2,147.0
05/02/15	22:00:00	484.0	1850.4	296.1	2,146.6
05/02/15	23:00:00	484.0	1850.3	296.2	2,146.6
05/03/15	00:00:00	484.0	1850.0	296.3	2,146.3
05/03/15	01:00:00	484.0	1849.7	296.5	2,146.2
05/03/15	02:00:00	484.0	1849.6	296.6	2,146.2
05/03/15	03:00:00	484.0	1849.5	296.7	2,146.2
05/03/15	04:00:00	484.0	1849.0	296.8	2,145.8
05/03/15	05:00:00	484.0	1848.8	296.9	2,145.7
05/03/15	06:00:00	484.0	1848.8	297.0	2,145.8
05/03/15	07:00:00	484.0	1848.7	297.1	2,145.8
05/03/15	08:00:00	484.0	1848.8	297.2	2,146.0
05/03/15	09:00:00	484.0	1848.7	297.3	2,146.0
05/03/15	10:00:00	484.0	1848.3	297.4	2,145.7
05/03/15	11:00:00	484.0	1848.1	297.5	2,145.6
05/03/15	12:00:00	484.0	1847.7	297.6	2,145.3
05/03/15	13:00:00	484.4	1849.6	297.7	2,147.4
05/03/15	14:00:00	484.8	1850.9	297.9	2,148.8
05/03/15	15:00:00	485.1	1851.4	298.0	2,149.3
05/03/15	16:00:00	485.5	1851.9	298.1	2,150.0
05/03/15	17:00:00	485.9	1852.5	298.2	2,150.6
05/03/15	18:00:00	486.3	1852.9	298.3	2,151.2
05/03/15	19:00:00	486.7	1853.3	298.4	2,151.7
05/03/15	20:00:00	487.1	1853.9	298.5	2,152.4

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/03/15	21:00:00	487.5	1854.5	298.6	2,153.1
05/03/15	22:00:00	487.9	1854.8	298.7	2,153.5
05/03/15	23:00:00	488.3	1855.4	298.8	2,154.2
05/04/15	00:00:00	488.7	1855.8	298.9	2,154.7
05/04/15	01:00:00	489.1	1856.1	299.0	2,155.2
05/04/15	02:00:00	489.5	1856.7	299.1	2,155.9
05/04/15	03:00:00	489.9	1857.3	299.2	2,156.5
05/04/15	04:00:00	490.3	1857.7	299.4	2,157.1
05/04/15	05:00:00	490.7	1857.9	299.5	2,157.4
05/04/15	06:00:00	491.1	1858.4	299.6	2,158.0
05/04/15	07:00:00	491.5	1858.6	299.7	2,158.3
05/04/15	08:00:00	491.9	1859.2	299.8	2,158.9
05/04/15	09:00:00	492.3	1859.9	299.9	2,159.8
05/04/15	10:00:00	492.7		300.0	
05/04/15	11:00:00	493.1	1859.5	300.0	2,159.5
05/04/15	12:00:00	493.3	1859.8	300.0	2,159.8
05/04/15	13:00:00	493.3	1857.8	300.0	2,157.8
05/04/15	14:00:00	493.3	1856.4	300.0	2,156.4
05/04/15	15:00:00	493.2	1854.4	300.0	2,154.4
05/04/15	16:00:00	493.0	1852.5	300.0	2,152.5
05/04/15	17:00:00	493.0	1852.5	300.0	2,152.5
05/04/15	18:00:00	493.0	1852.7	300.0	2,152.7
05/04/15	19:00:00	493.0	1852.5	300.0	2,152.5
05/04/15	20:00:00	493.0	1852.0	300.0	2,152.0
05/04/15	21:00:00	493.0	1851.9	300.0	2,151.9
05/04/15	22:00:00	493.0	1851.4	300.0	2,151.4
05/04/15	23:00:00	493.0	1851.1	300.0	2,151.1
05/05/15	00:00:00	493.0	1851.0	300.0	2,151.0
05/05/15	01:00:00	493.0	1850.4	300.0	2,150.4
05/05/15	02:00:00	493.0	1850.3	300.0	2,150.3
05/05/15	03:00:00	493.0	1850.1	300.0	2,150.1
05/05/15	04:00:00	493.0	1849.8	300.0	2,149.8
05/05/15	05:00:00	493.0	1849.6	300.0	2,149.6
05/05/15	06:00:00	493.0	1849.6	300.0	2,149.6
05/05/15	07:00:00	493.0	1849.2	300.0	2,149.2
05/05/15	08:00:00	493.0	1849.3	300.0	2,149.3
05/05/15	09:00:00	492.7	1847.7	300.0	2,147.7
05/05/15	10:00:00	492.7	1847.9	300.0	2,147.9
05/05/15	11:00:00	492.3	1845.8	300.0	2,145.8
05/05/15	12:00:00	492.3	1846.1	300.0	2,146.1

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/05/15	13:00:00	490.9	1838.9	300.0	2,138.9
05/05/15	14:00:00	490.9	1839.3	300.0	2,139.3
05/05/15	15:00:00	490.9	1842.9	300.0	2,142.9
05/05/15	16:00:00	490.9	1843.5	300.0	2,143.5
05/05/15	17:00:00	490.9	1843.8	300.0	2,143.8
05/05/15	18:00:00	490.3	1841.0	300.0	2,141.0
05/05/15	19:00:00	490.2	1838.8	300.0	2,138.8
05/05/15	20:00:00	490.5	1843.5	300.0	2,143.5
05/05/15	21:00:00	490.9	1846.0	300.0	2,146.0
05/05/15	22:00:00	491.3	1847.3	300.0	2,147.3
05/05/15	23:00:00	491.7	1848.5	300.0	2,148.5
05/06/15	00:00:00	492.1	1849.3	300.0	2,149.3
05/06/15	01:00:00	492.5	1850.3	300.0	2,150.3
05/06/15	02:00:00	492.9	1851.0	300.0	2,151.0
05/06/15	03:00:00	493.3	1851.7	300.0	2,151.7
05/06/15	04:00:00	493.7	1852.4	300.0	2,152.4
05/06/15	05:00:00	494.1	1853.0	300.0	2,153.0
05/06/15	06:00:00	494.5	1853.6	300.0	2,153.6
05/06/15	07:00:00	494.9	1854.2	300.0	2,154.2
05/06/15	08:00:00	495.3	1854.9	300.0	2,154.9
05/06/15	09:00:00	494.6	1849.9	300.0	2,149.9
05/06/15	10:00:00	493.7	1842.5	300.0	2,142.5
05/06/15	11:00:00	492.8	1839.2	300.0	2,139.2
05/06/15	12:00:00	491.9	1836.7	300.0	2,136.7
05/06/15	13:00:00	491.0	1834.4	300.0	2,134.4
05/06/15	14:00:00	490.2	1832.2	300.0	2,132.2
05/06/15	15:00:00	489.3	1830.3	300.0	2,130.3
05/06/15	16:00:00	488.4	1828.4	300.0	2,128.4
05/06/15	17:00:00	487.5	1826.5	300.0	2,126.5
05/06/15	18:00:00	486.6	1824.7	300.0	2,124.7
05/06/15	19:00:00	486.8	1829.5	300.0	2,129.5
05/06/15	20:00:00	487.2	1835.2	300.0	2,135.2
05/06/15	21:00:00	487.6	1837.5	300.0	2,137.5
05/06/15	22:00:00	488.0	1839.0	300.0	2,139.0
05/06/15	23:00:00	488.4	1840.4	300.0	2,140.4
05/07/15	00:00:00	488.8	1841.6	300.0	2,141.6
05/07/15	01:00:00	489.1	1842.5	300.0	2,142.5
05/07/15	02:00:00	489.5	1843.7	300.0	2,143.7
05/07/15	03:00:00	489.9	1844.5	300.0	2,144.5
05/07/15	04:00:00	490.2	1845.1	300.0	2,145.1

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/07/15	05:00:00	490.6	1845.9	300.0	2,145.9
05/07/15	06:00:00	490.9	1846.4	300.0	2,146.4
05/07/15	07:00:00	491.3	1847.1	300.0	2,147.1
05/07/15	08:00:00	491.7	1848.1	300.0	2,148.1
05/07/15	09:00:00	491.0	1842.7	300.0	2,142.7
05/07/15	10:00:00	490.0	1836.0	300.0	2,136.0
05/07/15	11:00:00	489.1	1832.5	300.0	2,132.5
05/07/15	12:00:00	488.1	1829.6	300.0	2,129.6
05/07/15	13:00:00	487.2	1827.3	300.0	2,127.3
05/07/15	14:00:00	486.2	1825.2	300.0	2,125.2
05/07/15	15:00:00	485.3	1823.2	300.0	2,123.2
05/07/15	16:00:00	484.4	1821.3	300.0	2,121.3
05/07/15	17:00:00	483.4	1819.5	300.0	2,119.5
05/07/15	18:00:00	482.5	1817.7	300.0	2,117.7
05/07/15	19:00:00	482.6	1822.8	300.0	2,122.8
05/07/15	20:00:00	483.0	1828.9	300.0	2,128.9
05/07/15	21:00:00	483.4	1831.2	300.0	2,131.2
05/07/15	22:00:00	483.8	1833.0	300.0	2,133.0
05/07/15	23:00:00	484.2	1834.4	300.0	2,134.4
05/08/15	00:00:00	484.6	1835.8	300.0	2,135.8
05/08/15	01:00:00	485.0	1837.1	300.0	2,137.1
05/08/15	02:00:00	485.4	1838.2	300.0	2,138.2
05/08/15	03:00:00	485.8	1839.2	300.0	2,139.2
05/08/15	04:00:00	486.2	1840.2	300.0	2,140.2
05/08/15	05:00:00	486.6	1841.2	300.0	2,141.2
05/08/15	06:00:00	487.0	1842.0	300.0	2,142.0
05/08/15	07:00:00	487.4	1843.0	300.0	2,143.0
05/08/15	08:00:00	487.6	1843.1	300.0	2,143.1
05/08/15	09:00:00	486.7	1835.8	300.0	2,135.8
05/08/15	10:00:00	485.8	1830.4	300.0	2,130.4
05/08/15	11:00:00	484.9	1827.1	300.0	2,127.1
05/08/15	12:00:00	484.0	1824.9	300.0	2,124.9
05/08/15	13:00:00	483.1	1823.1	300.0	2,123.1
05/08/15	14:00:00	482.2	1821.2	300.0	2,121.2
05/08/15	15:00:00	481.3	1819.2	300.0	2,119.2
05/08/15	16:00:00	480.4	1817.4	300.0	2,117.4
05/08/15	17:00:00	479.6	1815.7	300.0	2,115.7
05/08/15	18:00:00	478.7	1814.2	300.0	2,114.2
05/08/15	19:00:00	478.7	1818.4	300.0	2,118.4
05/08/15	20:00:00	478.9	1822.5	300.0	2,122.5

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/08/15	21:00:00	479.3	1825.9	300.0	2,125.9
05/08/15	22:00:00	479.7	1828.2	300.0	2,128.2
05/08/15	23:00:00	480.0	1829.7	300.0	2,129.7
05/09/15	00:00:00	480.4	1831.2	300.0	2,131.2
05/09/15	01:00:00	480.8	1832.5	300.0	2,132.5
05/09/15	02:00:00	481.2	1833.7	300.0	2,133.7
05/09/15	03:00:00	481.6	1834.8	300.0	2,134.8
05/09/15	04:00:00	482.0	1835.9	300.0	2,135.9
05/09/15	05:00:00	482.4	1837.0	300.0	2,137.0
05/09/15	06:00:00	482.8	1837.8	300.0	2,137.8
05/09/15	07:00:00	483.2	1838.8	300.0	2,138.8
05/09/15	08:00:00	483.6	1839.7	300.0	2,139.7
05/09/15	09:00:00	483.6	1838.5	300.0	2,138.5
05/09/15	10:00:00	483.6	1837.5	300.0	2,137.5
05/09/15	11:00:00	483.6	1836.9	300.0	2,136.9
05/09/15	12:00:00	483.6	1836.5	300.0	2,136.5
05/09/15	13:00:00	483.6	1836.4	300.0	2,136.4
05/09/15	14:00:00	483.6	1836.3	300.0	2,136.3
05/09/15	15:00:00	483.6	1835.8	300.0	2,135.8
05/09/15	16:00:00	483.6	1835.7	300.0	2,135.7
05/09/15	17:00:00	483.6	1835.7	300.0	2,135.7
05/09/15	18:00:00	483.6	1835.4	300.0	2,135.4
05/09/15	19:00:00	483.6	1835.1	300.0	2,135.1
05/09/15	20:00:00	483.6	1834.9	300.0	2,134.9
05/09/15	21:00:00	483.6	1834.9	300.0	2,134.9
05/09/15	22:00:00	483.6	1834.9	300.0	2,134.9
05/09/15	23:00:00	483.6	1834.9	300.0	2,134.9
05/10/15	00:00:00	483.6	1834.9	300.0	2,134.9
05/10/15	01:00:00	483.6	1834.9	300.0	2,134.9
05/10/15	02:00:00	483.6	1834.8	300.0	2,134.8
05/10/15	03:00:00	483.6	1834.7	300.0	2,134.7
05/10/15	04:00:00	483.6	1834.4	300.0	2,134.4
05/10/15	05:00:00	483.6	1834.2	300.0	2,134.2
05/10/15	06:00:00	483.6	1834.2	300.0	2,134.2
05/10/15	07:00:00	483.6	1834.2	300.0	2,134.2
05/10/15	08:00:00	483.6	1834.7	300.0	2,134.7
05/10/15	09:00:00	483.6	1834.8	300.0	2,134.8
05/10/15	10:00:00	483.6	1834.7	300.0	2,134.7
05/10/15	11:00:00	483.6	1834.5	300.0	2,134.5
05/10/15	12:00:00	483.6	1834.4	300.0	2,134.4

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/10/15	13:00:00	483.6	1834.3	300.0	2,134.3
05/10/15	14:00:00	483.6	1834.1	300.0	2,134.1
05/10/15	15:00:00	483.6	1834.1	300.0	2,134.1
05/10/15	16:00:00	483.6	1834.0	300.0	2,134.0
05/10/15	17:00:00	483.6	1834.0	300.0	2,134.0
05/10/15	18:00:00	483.6	1833.9	300.0	2,133.9
05/10/15	19:00:00	483.6	1833.6	300.0	2,133.6
05/10/15	20:00:00	483.6	1833.5	300.0	2,133.5
05/10/15	21:00:00	483.6	1833.6	300.0	2,133.6
05/10/15	22:00:00	483.6	1833.4	300.0	2,133.4
05/10/15	23:00:00	483.6	1833.4	300.0	2,133.4
05/11/15	00:00:00	483.6	1833.4	300.0	2,133.4
05/11/15	01:00:00	483.6	1833.4	300.0	2,133.4
05/11/15	02:00:00	483.6	1833.4	300.0	2,133.4
05/11/15	03:00:00	483.6	1833.5	300.0	2,133.5
05/11/15	04:00:00	483.6	1833.4	300.0	2,133.4
05/11/15	05:00:00	483.6	1833.4	300.0	2,133.4
05/11/15	06:00:00	483.6	1833.4	300.0	2,133.4
05/11/15	07:00:00	483.6	1833.4	300.0	2,133.4
05/11/15	08:00:00	483.6	1833.4	300.0	2,133.4
05/11/15	09:00:00	483.6	1833.5	300.0	2,133.5
05/11/15	10:00:00	483.6	1833.5	300.0	2,133.5
05/11/15	11:00:00	483.6	1833.5	300.0	2,133.5
05/11/15	12:00:00	483.6	1833.5	300.0	2,133.5
05/11/15	13:00:00	483.6	1833.5	300.0	2,133.5
05/11/15	14:00:00	483.6	1833.5	300.0	2,133.5
05/11/15	15:00:00	483.6	1833.3	300.0	2,133.3
05/11/15	16:00:00	483.6	1833.0	300.0	2,133.0
05/11/15	17:00:00	483.6	1833.0	300.0	2,133.0
05/11/15	18:00:00	483.6	1832.7	300.0	2,132.7
05/11/15	19:00:00	483.7	1833.0	300.0	2,133.0
05/11/15	20:00:00	484.1	1835.9	300.0	2,135.9
05/11/15	21:00:00	484.5	1837.0	300.0	2,137.0
05/11/15	22:00:00	484.9	1838.1	300.0	2,138.1
05/11/15	23:00:00	485.3	1839.0	300.0	2,139.0
05/12/15	00:00:00	485.7	1839.8	300.0	2,139.8
05/12/15	01:00:00	486.1	1840.6	300.0	2,140.6
05/12/15	02:00:00	486.5	1841.1	300.0	2,141.1
05/12/15	03:00:00	486.9	1841.8	300.0	2,141.8
05/12/15	04:00:00	487.2	1842.5	300.0	2,142.5

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/12/15	05:00:00	487.6	1843.1	300.0	2,143.1
05/12/15	06:00:00	488.0	1843.8	300.0	2,143.8
05/12/15	07:00:00	488.4	1844.4	300.0	2,144.4
05/12/15	08:00:00	488.8	1845.1	300.0	2,145.1
05/12/15	09:00:00	489.2	1845.5	300.0	2,145.5
05/12/15	10:00:00	489.6	1846.0	300.0	2,146.0
05/12/15	11:00:00	490.0	1846.5	300.0	2,146.5
05/12/15	12:00:00	490.0	1844.3	300.0	2,144.3
05/12/15	13:00:00	490.0	1843.1	300.0	2,143.1
05/12/15	14:00:00	489.8	1841.1	300.0	2,141.1
05/12/15	15:00:00	489.8	1840.6	300.0	2,140.6
05/12/15	16:00:00	489.4	1838.3	300.0	2,138.3
05/12/15	17:00:00	489.4	1838.1	300.0	2,138.1
05/12/15	18:00:00	488.6	1834.0	300.0	2,134.0
05/12/15	19:00:00	488.5	1834.2	300.0	2,134.2
05/12/15	20:00:00	487.3	1828.8	300.0	2,128.8
05/12/15	21:00:00	487.3	1829.9	300.0	2,129.9
05/12/15	22:00:00	487.6	1834.5	300.0	2,134.5
05/12/15	23:00:00	488.0	1837.1	300.0	2,137.1
05/13/15	00:00:00	488.4	1838.5	300.0	2,138.5
05/13/15	01:00:00	488.8	1839.6	300.0	2,139.6
05/13/15	02:00:00	489.2	1840.6	300.0	2,140.6
05/13/15	03:00:00	489.5	1841.3	300.0	2,141.3
05/13/15	04:00:00	489.8	1840.9	300.0	2,140.9
05/13/15	05:00:00	490.1	1841.7	300.0	2,141.7
05/13/15	06:00:00	490.4	1842.1	300.0	2,142.1
05/13/15	07:00:00	490.7	1842.6	300.0	2,142.6
05/13/15	08:00:00	491.0	1843.4	300.0	2,143.4
05/13/15	09:00:00	491.4	1843.9	300.0	2,143.9
05/13/15	10:00:00	491.7	1844.4	300.0	2,144.4
05/13/15	11:00:00	492.0	1844.9	300.0	2,144.9
05/13/15	12:00:00	492.3	1845.2	300.0	2,145.2
05/13/15	13:00:00	491.1	1836.3	300.0	2,136.3
05/13/15	14:00:00	490.0	1829.4	300.0	2,129.4
05/13/15	15:00:00	488.8	1825.1	300.0	2,125.1
05/13/15	16:00:00	487.6	1821.9	300.0	2,121.9
05/13/15	17:00:00	486.5	1819.1	300.0	2,119.1
05/13/15	18:00:00	486.4	1823.5	300.0	2,123.5
05/13/15	19:00:00	486.7	1827.9	300.0	2,127.9
05/13/15	20:00:00	487.0	1831.5	300.0	2,131.5

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/13/15	21:00:00	487.4	1833.2	300.0	2,133.2
05/13/15	22:00:00	487.8	1834.5	300.0	2,134.5
05/13/15	23:00:00	488.2	1835.9	300.0	2,135.9
05/14/15	00:00:00	488.6	1836.9	300.0	2,136.9
05/14/15	01:00:00	489.0	1837.9	300.0	2,137.9
05/14/15	02:00:00	489.4	1838.8	300.0	2,138.8
05/14/15	03:00:00	489.8	1839.6	300.0	2,139.6
05/14/15	04:00:00	490.2	1840.4	300.0	2,140.4
05/14/15	05:00:00	490.6	1841.1	300.0	2,141.1
05/14/15	06:00:00	491.0	1841.9	300.0	2,141.9
05/14/15	07:00:00	491.4	1842.6	300.0	2,142.6
05/14/15	08:00:00	491.8	1843.4	300.0	2,143.4
05/14/15	09:00:00	492.2	1844.0	300.0	2,144.0
05/14/15	10:00:00	492.6	1844.5	300.0	2,144.5
05/14/15	11:00:00	493.0	1845.2	300.0	2,145.2
05/14/15	12:00:00	493.2	1844.9	300.0	2,144.9
05/14/15	13:00:00	492.0	1836.1	300.0	2,136.1
05/14/15	14:00:00	490.4	1826.3	300.0	2,126.3
05/14/15	15:00:00	488.5	1818.8	300.0	2,118.8
05/14/15	16:00:00	486.7	1813.2	300.0	2,113.2
05/14/15	17:00:00	484.8	1808.9	300.0	2,108.9
05/14/15	18:00:00	484.8	1815.5	300.0	2,115.5
05/14/15	19:00:00	485.0	1822.0	300.0	2,122.0
05/14/15	20:00:00	485.4	1826.0	300.0	2,126.0
05/14/15	21:00:00	485.8	1828.2	300.0	2,128.2
05/14/15	22:00:00	486.2	1829.7	300.0	2,129.7
05/14/15	23:00:00	486.6	1831.2	300.0	2,131.2
05/15/15	00:00:00	487.0	1832.4	300.0	2,132.4
05/15/15	01:00:00	487.3	1833.6	300.0	2,133.6
05/15/15	02:00:00	487.7	1834.6	300.0	2,134.6
05/15/15	03:00:00	488.1	1835.7	300.0	2,135.7
05/15/15	04:00:00	488.5	1836.7	300.0	2,136.7
05/15/15	05:00:00	488.9	1837.6	300.0	2,137.6
05/15/15	06:00:00	489.3	1838.3	300.0	2,138.3
05/15/15	07:00:00	489.7	1839.2	300.0	2,139.2
05/15/15	08:00:00	490.1	1840.0	300.0	2,140.0
05/15/15	09:00:00	490.5	1840.9	300.0	2,140.9
05/15/15	10:00:00	490.9	1841.5	300.0	2,141.5
05/15/15	11:00:00	491.3	1842.1	300.0	2,142.1
05/15/15	12:00:00	491.5	1841.9	300.0	2,141.9

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/15/15	13:00:00	489.7	1830.5	300.0	2,130.5
05/15/15	14:00:00	487.9	1819.7	300.0	2,119.7
05/15/15	15:00:00	486.1	1814.0	300.0	2,114.0
05/15/15	16:00:00	484.2	1809.1	300.0	2,109.1
05/15/15	17:00:00	482.4	1804.7	300.0	2,104.7
05/15/15	18:00:00	482.3	1811.5	300.0	2,111.5
05/15/15	19:00:00	482.3	1817.1	300.0	2,117.1
05/15/15	20:00:00	482.3	1818.7	300.0	2,118.7
05/15/15	21:00:00	482.3	1819.8	300.0	2,119.8
05/15/15	22:00:00	482.3	1820.5	300.0	2,120.5
05/15/15	23:00:00	482.3	1821.2	300.0	2,121.2
05/16/15	00:00:00	482.3	1821.7	300.0	2,121.7
05/16/15	01:00:00	482.3	1822.1	300.0	2,122.1
05/16/15	02:00:00	482.3	1822.5	300.0	2,122.5
05/16/15	03:00:00	482.3	1822.9	300.0	2,122.9
05/16/15	04:00:00	482.3	1823.3	300.0	2,123.3
05/16/15	05:00:00	482.3	1823.8	300.0	2,123.8
05/16/15	06:00:00	482.3	1824.0	300.0	2,124.0
05/16/15	07:00:00	482.3	1824.0	300.0	2,124.0
05/16/15	08:00:00	482.3		300.0	
05/16/15	09:00:00	482.3		300.0	
05/16/15	10:00:00	482.3		300.0	
05/16/15	11:00:00	482.3		300.0	
05/16/15	12:00:00	482.3		300.0	
05/16/15	13:00:00	482.3	1825.4	300.0	2,125.4
05/16/15	14:00:00	482.3	1825.8	300.0	2,125.8
05/16/15	15:00:00	482.3	1825.6	300.0	2,125.6
05/16/15	16:00:00	482.3	1825.9	300.0	2,125.9
05/16/15	17:00:00	482.3	1826.1	300.0	2,126.1
05/16/15	18:00:00	482.3	1826.2	300.0	2,126.2
05/16/15	19:00:00	482.3	1826.2	300.0	2,126.2
05/16/15	20:00:00	482.3	1826.2	300.0	2,126.2
05/16/15	21:00:00	482.3	1826.2	300.0	2,126.2
05/16/15	22:00:00	482.3	1826.2	300.0	2,126.2
05/16/15	23:00:00	482.3	1826.3	300.0	2,126.3
05/17/15	00:00:00	482.3	1826.3	300.0	2,126.3
05/17/15	01:00:00	482.3	1826.5	300.0	2,126.5
05/17/15	02:00:00	482.3	1826.7	300.0	2,126.7
05/17/15	03:00:00	482.3	1826.7	300.0	2,126.7
05/17/15	04:00:00	482.3	1826.8	300.0	2,126.8

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/17/15	05:00:00	482.3	1826.8	300.0	2,126.8
05/17/15	06:00:00	482.3	1826.8	300.0	2,126.8
05/17/15	07:00:00	482.3	1826.8	300.0	2,126.8
05/17/15	08:00:00	482.3	1826.8	300.0	2,126.8
05/17/15	09:00:00	482.3	1826.9	300.0	2,126.9
05/17/15	10:00:00	482.3	1826.9	300.0	2,126.9
05/17/15	11:00:00	482.3	1827.0	300.0	2,127.0
05/17/15	12:00:00	482.3	1827.2	300.0	2,127.2
05/17/15	13:00:00	482.3	1827.4	300.0	2,127.4
05/17/15	14:00:00	482.3	1827.0	300.0	2,127.0
05/17/15	15:00:00	482.3	1827.0	300.0	2,127.0
05/17/15	16:00:00	482.3	1827.1	300.0	2,127.1
05/17/15	17:00:00	482.3	1827.0	300.0	2,127.0
05/17/15	18:00:00	482.3	1827.0	300.0	2,127.0
05/17/15	19:00:00	482.3	1826.9	300.0	2,126.9
05/17/15	20:00:00	482.3	1826.9	300.0	2,126.9
05/17/15	21:00:00	482.3	1826.9	300.0	2,126.9
05/17/15	22:00:00	482.3	1826.9	300.0	2,126.9
05/17/15	23:00:00	482.3	1826.9	300.0	2,126.9
05/18/15	00:00:00	482.3	1826.8	300.0	2,126.8
05/18/15	01:00:00	482.3	1826.8	300.0	2,126.8
05/18/15	02:00:00	482.3	1826.8	300.0	2,126.8
05/18/15	03:00:00	482.3	1826.9	300.0	2,126.9
05/18/15	04:00:00	482.3	1826.9	300.0	2,126.9
05/18/15	05:00:00	482.3	1826.9	300.0	2,126.9
05/18/15	06:00:00	482.3	1826.9	300.0	2,126.9
05/18/15	07:00:00	482.3	1826.8	300.0	2,126.8
05/18/15	08:00:00	482.3	1826.9	300.0	2,126.9
05/18/15	09:00:00	482.3	1827.0	300.0	2,127.0
05/18/15	10:00:00	482.3	1827.3	300.0	2,127.3
05/18/15	11:00:00	482.3	1827.2	300.0	2,127.2
05/18/15	12:00:00	482.3	1827.5	300.0	2,127.5
05/18/15	13:00:00	482.3	1827.3	300.0	2,127.3
05/18/15	14:00:00	482.3	1827.2	300.0	2,127.2
05/18/15	15:00:00	482.3	1827.0	300.0	2,127.0
05/18/15	16:00:00	482.3	1826.8	300.0	2,126.8
05/18/15	17:00:00	482.3	1826.8	300.0	2,126.8
05/18/15	18:00:00	482.3	1826.8	300.0	2,126.8
05/18/15	19:00:00	482.3	1826.8	300.0	2,126.8
05/18/15	20:00:00	482.3	1826.8	300.0	2,126.8

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/18/15	21:00:00	482.2	1826.8	300.0	2,126.8
05/18/15	22:00:00	482.2	1826.8	300.0	2,126.8
05/18/15	23:00:00	482.2	1826.8	300.0	2,126.8
05/19/15	00:00:00	482.2	1826.8	300.0	2,126.8
05/19/15	01:00:00	482.2	1826.8	300.0	2,126.8
05/19/15	02:00:00	482.2	1826.8	300.0	2,126.8
05/19/15	03:00:00	482.2	1826.8	300.0	2,126.8
05/19/15	04:00:00	482.2	1826.8	300.0	2,126.8
05/19/15	05:00:00	482.2	1826.8	300.0	2,126.8
05/19/15	06:00:00	482.2	1826.8	300.0	2,126.8
05/19/15	07:00:00	482.2	1826.7	300.0	2,126.7
05/19/15	08:00:00	482.2	1826.8	300.0	2,126.8
05/19/15	09:00:00	482.2	1826.9	300.0	2,126.9
05/19/15	10:00:00	482.2	1826.9	300.0	2,126.9
05/19/15	11:00:00	482.2	1826.9	300.0	2,126.9
05/19/15	12:00:00	482.2	1826.9	300.0	2,126.9
05/19/15	13:00:00	482.2	1826.9	300.0	2,126.9
05/19/15	14:00:00	482.2	1826.9	300.0	2,126.9
05/19/15	15:00:00	482.2	1826.8	300.0	2,126.8
05/19/15	16:00:00	482.2	1826.6	300.0	2,126.6
05/19/15	17:00:00	482.2	1826.8	300.0	2,126.8
05/19/15	18:00:00	482.2	1826.5	300.0	2,126.5
05/19/15	19:00:00	482.2	1826.5	300.0	2,126.5
05/19/15	20:00:00	482.2	1826.4	300.0	2,126.4
05/19/15	21:00:00	482.2	1826.5	300.0	2,126.5
05/19/15	22:00:00	482.2	1826.5	300.0	2,126.5
05/19/15	23:00:00	482.2	1826.4	300.0	2,126.4
05/20/15	00:00:00	482.2	1826.4	300.0	2,126.4
05/20/15	01:00:00	482.2	1826.2	300.0	2,126.2
05/20/15	02:00:00	482.2	1826.2	300.0	2,126.2
05/20/15	03:00:00	482.2	1826.2	300.0	2,126.2
05/20/15	04:00:00	482.2	1826.1	300.0	2,126.1
05/20/15	05:00:00	482.2	1826.1	300.0	2,126.1
05/20/15	06:00:00	482.2	1826.1	300.0	2,126.1
05/20/15	07:00:00	482.2	1826.1	300.0	2,126.1
05/20/15	08:00:00	482.2	1826.5	300.0	2,126.5
05/20/15	09:00:00	482.2	1826.7	300.0	2,126.7
05/20/15	10:00:00	482.2	1826.6	300.0	2,126.6
05/20/15	11:00:00	482.2	1826.5	300.0	2,126.5
05/20/15	12:00:00	482.2	1826.8	300.0	2,126.8

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/20/15	13:00:00	482.2	1826.8	300.0	2,126.8
05/20/15	14:00:00	482.2	1826.4	300.0	2,126.4
05/20/15	15:00:00	482.2	1826.2	300.0	2,126.2
05/20/15	16:00:00	482.2	1826.1	300.0	2,126.1
05/20/15	17:00:00	482.2	1826.1	300.0	2,126.1
05/20/15	18:00:00	482.2	1826.1	300.0	2,126.1
05/20/15	19:00:00	482.2	1826.1	300.0	2,126.1
05/20/15	20:00:00	482.2	1826.1	300.0	2,126.1
05/20/15	21:00:00	482.2	1826.1	300.0	2,126.1
05/20/15	22:00:00	482.2	1826.1	300.0	2,126.1
05/20/15	23:00:00	482.2	1826.1	300.0	2,126.1
05/21/15	00:00:00	482.2	1826.1	300.0	2,126.1
05/21/15	01:00:00	482.2	1826.1	300.0	2,126.1
05/21/15	02:00:00	482.2	1826.1	300.0	2,126.1
05/21/15	03:00:00	482.2	1826.1	300.0	2,126.1
05/21/15	04:00:00	482.2	1826.1	300.0	2,126.1
05/21/15	05:00:00	482.2	1826.0	300.0	2,126.0
05/21/15	06:00:00	482.2	1826.0	300.0	2,126.0
05/21/15	07:00:00	482.2	1826.0	300.0	2,126.0
05/21/15	08:00:00	482.3	1826.5	300.0	2,126.5
05/21/15	09:00:00	482.6	1828.5	300.0	2,128.5
05/21/15	10:00:00	483.1	1830.3	300.0	2,130.3
05/21/15	11:00:00	483.5	1831.9	300.0	2,131.9
05/21/15	12:00:00	483.8	1832.2	300.0	2,132.2
05/21/15	13:00:00	483.8	1830.2	300.0	2,130.2
05/21/15	14:00:00	483.8	1829.6	300.0	2,129.6
05/21/15	15:00:00	483.8	1829.1	300.0	2,129.1
05/21/15	16:00:00	483.8	1829.1	300.0	2,129.1
05/21/15	17:00:00	483.8	1828.7	300.0	2,128.7
05/21/15	18:00:00	483.8	1828.4	300.0	2,128.4
05/21/15	19:00:00	484.1	1830.2	300.0	2,130.2
05/21/15	20:00:00	484.6	1832.6	300.0	2,132.6
05/21/15	21:00:00	485.1	1833.9	300.0	2,133.9
05/21/15	22:00:00	485.5	1834.9	300.0	2,134.9
05/21/15	23:00:00	485.9	1835.5	300.0	2,135.5
05/22/15	00:00:00	486.3	1835.3	300.0	2,135.3
05/22/15	01:00:00	486.7	1836.9	300.0	2,136.9
05/22/15	02:00:00	487.2	1837.8	300.0	2,137.8
05/22/15	03:00:00	487.6	1838.4	300.0	2,138.4
05/22/15	04:00:00	488.1	1839.0	300.0	2,139.0

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/22/15	05:00:00	488.5	1839.7	300.0	2,139.7
05/22/15	06:00:00	489.0	1840.3	300.0	2,140.3
05/22/15	07:00:00	489.5	1840.8	300.0	2,140.8
05/22/15	08:00:00	489.9	1841.4	300.0	2,141.4
05/22/15	09:00:00	490.3	1841.8	300.0	2,141.8
05/22/15	10:00:00	490.8	1842.5	300.0	2,142.5
05/22/15	11:00:00	491.2	1843.2	300.0	2,143.2
05/22/15	12:00:00	491.4	1843.0	300.0	2,143.0
05/22/15	13:00:00	491.4	1840.4	300.0	2,140.4
05/22/15	14:00:00	491.4	1839.2	300.0	2,139.2
05/22/15	15:00:00	491.4	1838.5	300.0	2,138.5
05/22/15	16:00:00	491.4	1837.9	300.0	2,137.9
05/22/15	17:00:00	491.4	1837.2	300.0	2,137.2
05/22/15	18:00:00	491.4	1836.9	300.0	2,136.9
05/22/15	19:00:00	491.8	1838.1	300.0	2,138.1
05/22/15	20:00:00	492.2	1840.4	300.0	2,140.4
05/22/15	21:00:00	492.7	1841.4	300.0	2,141.4
05/22/15	22:00:00	493.2	1842.2	300.0	2,142.2
05/22/15	23:00:00	493.6	1843.0	300.0	2,143.0
05/23/15	00:00:00	494.1	1843.7	300.0	2,143.7
05/23/15	01:00:00	494.6	1844.2	300.0	2,144.2
05/23/15	02:00:00	495.0	1844.7	300.0	2,144.7
05/23/15	03:00:00	495.5	1845.2	300.0	2,145.2
05/23/15	04:00:00	495.8	1844.8	300.0	2,144.8
05/23/15	05:00:00	496.3	1845.8	300.0	2,145.8
05/23/15	06:00:00	496.7	1846.4	300.0	2,146.4
05/23/15	07:00:00	497.2	1846.8	300.0	2,146.8
05/23/15	08:00:00	497.6	1847.4	300.0	2,147.4
05/23/15	09:00:00	498.1	1847.9	300.0	2,147.9
05/23/15	10:00:00	498.5	1848.5	300.0	2,148.5
05/23/15	11:00:00	499.0	1848.9	300.0	2,148.9
05/23/15	12:00:00	499.4	1849.3	300.0	2,149.3
05/23/15	13:00:00	499.9	1849.7	300.0	2,149.7
05/23/15	14:00:00	500.4	1850.1	300.0	2,150.1
05/23/15	15:00:00	500.8	1850.3	300.0	2,150.3
05/23/15	16:00:00	501.2	1850.4	300.0	2,150.4
05/23/15	17:00:00	501.7	1850.9	300.0	2,150.9
05/23/15	18:00:00	502.1	1851.1	300.0	2,151.1
05/23/15	19:00:00	502.6	1851.2	300.0	2,151.2
05/23/15	20:00:00	503.0	1851.7	300.0	2,151.7

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/23/15	21:00:00	503.5	1851.9	300.0	2,151.9
05/23/15	22:00:00	503.9	1852.4	300.0	2,152.4
05/23/15	23:00:00	504.4	1852.6	300.0	2,152.6
05/24/15	00:00:00	504.9	1852.9	300.0	2,152.9
05/24/15	01:00:00	505.3	1853.3	300.0	2,153.3
05/24/15	02:00:00	505.8	1853.5	300.0	2,153.5
05/24/15	03:00:00	506.2	1854.0	300.0	2,154.0
05/24/15	04:00:00	506.7	1854.1	300.0	2,154.1
05/24/15	05:00:00	507.1	1854.6	300.0	2,154.6
05/24/15	06:00:00	507.6	1854.7	300.0	2,154.7
05/24/15	07:00:00	508.1	1855.0	300.0	2,155.0
05/24/15	08:00:00	508.5	1855.4	300.0	2,155.4
05/24/15	09:00:00	509.0	1855.7	300.0	2,155.7
05/24/15	10:00:00	509.4	1856.1	300.0	2,156.1
05/24/15	11:00:00	509.9	1856.4	300.0	2,156.4
05/24/15	12:00:00	510.4	1856.7	300.0	2,156.7
05/24/15	13:00:00	510.8	1856.8	300.0	2,156.8
05/24/15	14:00:00	511.3	1857.0	300.0	2,157.0
05/24/15	15:00:00	511.7	1857.0	300.0	2,157.0
05/24/15	16:00:00	512.2	1857.6	300.0	2,157.6
05/24/15	17:00:00	512.6	1857.6	300.0	2,157.6
05/24/15	18:00:00	513.1	1857.8	300.0	2,157.8
05/24/15	19:00:00	513.6	1858.1	300.0	2,158.1
05/24/15	20:00:00	514.0	1858.4	300.0	2,158.4
05/24/15	21:00:00	514.5	1858.7	300.0	2,158.7
05/24/15	22:00:00	515.0	1859.1	300.0	2,159.1
05/24/15	23:00:00	515.4	1859.2	300.0	2,159.2
05/25/15	00:00:00	515.9	1859.8	300.0	2,159.8
05/25/15	01:00:00	516.4	1859.8	300.0	2,159.8
05/25/15	02:00:00	516.8	1860.1	300.0	2,160.1
05/25/15	03:00:00	517.3	1860.6	300.0	2,160.6
05/25/15	04:00:00	517.8	1860.6	300.0	2,160.6
05/25/15	05:00:00	518.3	1860.8	300.0	2,160.8
05/25/15	06:00:00	518.7	1860.9	300.0	2,160.9
05/25/15	07:00:00	519.2	1861.2	300.0	2,161.2
05/25/15	08:00:00	519.7	1862.0	300.0	2,162.0
05/25/15	09:00:00	520.1	1862.1	300.0	2,162.1
05/25/15	10:00:00	520.6	1862.2	300.0	2,162.2
05/25/15	11:00:00	521.0	1862.7	300.0	2,162.7
05/25/15	12:00:00	521.5	1862.8	300.0	2,162.8

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/25/15	13:00:00	521.9	1862.8	300.0	2,162.8
05/25/15	14:00:00	522.3	1862.7	300.0	2,162.7
05/25/15	15:00:00	522.8	1862.8	300.0	2,162.8
05/25/15	16:00:00	523.3	1863.3	300.0	2,163.3
05/25/15	17:00:00	523.7	1863.4	300.0	2,163.4
05/25/15	18:00:00	524.2	1863.5	300.0	2,163.5
05/25/15	19:00:00	524.6	1863.6	300.0	2,163.6
05/25/15	20:00:00	525.1	1864.2	300.0	2,164.2
05/25/15	21:00:00	525.5	1864.2	300.0	2,164.2
05/25/15	22:00:00	525.7	1862.4	300.0	2,162.4
05/25/15	23:00:00	526.0	1862.8	300.0	2,162.8
05/26/15	00:00:00	526.3	1862.5	300.0	2,162.5
05/26/15	01:00:00	526.7	1863.2	300.0	2,163.2
05/26/15	02:00:00	527.1	1863.5	300.0	2,163.5
05/26/15	03:00:00	527.5	1863.5	300.0	2,163.5
05/26/15	04:00:00	527.9	1863.6	300.0	2,163.6
05/26/15	05:00:00	528.4	1864.4	300.0	2,164.4
05/26/15	06:00:00	528.9	1864.9	300.0	2,164.9
05/26/15	07:00:00	529.3	1865.2	300.0	2,165.2
05/26/15	08:00:00	529.8	1865.7	300.0	2,165.7
05/26/15	09:00:00	530.3	1866.2	300.0	2,166.2
05/26/15	10:00:00	530.8	1866.5	300.0	2,166.5
05/26/15	11:00:00	531.2	1866.8	300.0	2,166.8
05/26/15	12:00:00	531.5	1866.9	300.0	2,166.9
05/26/15	13:00:00	531.5	1863.7	300.0	2,163.7
05/26/15	14:00:00	531.5	1862.3	300.0	2,162.3
05/26/15	15:00:00	531.5	1861.3	300.0	2,161.3
05/26/15	16:00:00	531.5	1860.6	300.0	2,160.6
05/26/15	17:00:00	531.5	1859.9	300.0	2,159.9
05/26/15	18:00:00	531.5	1859.2	300.0	2,159.2
05/26/15	19:00:00	531.5	1858.6	300.0	2,158.6
05/26/15	20:00:00	532.0	1860.5	300.0	2,160.5
05/26/15	21:00:00	532.5	1862.5	300.0	2,162.5
05/26/15	22:00:00	532.9	1863.3	300.0	2,163.3
05/26/15	23:00:00	533.4	1864.0	300.0	2,164.0
05/27/15	00:00:00	533.9	1864.4	300.0	2,164.4
05/27/15	01:00:00	534.4	1864.9	300.0	2,164.9
05/27/15	02:00:00	534.8	1865.0	300.0	2,165.0
05/27/15	03:00:00	535.3	1865.8	300.0	2,165.8
05/27/15	04:00:00	535.8	1866.1	300.0	2,166.1

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/27/15	05:00:00	536.3	1866.6	300.0	2,166.6
05/27/15	06:00:00	536.7	1866.6	300.0	2,166.6
05/27/15	07:00:00	537.2	1867.3	300.0	2,167.3
05/27/15	08:00:00	537.7	1867.9	300.0	2,167.9
05/27/15	09:00:00	538.1	1868.1	300.0	2,168.1
05/27/15	10:00:00	538.6	1868.6	300.0	2,168.6
05/27/15	11:00:00	539.1	1869.2	300.0	2,169.2
05/27/15	12:00:00	539.5	1869.3	300.0	2,169.3
05/27/15	13:00:00	539.5	1866.0	300.0	2,166.0
05/27/15	14:00:00	539.5	1864.8	300.0	2,164.8
05/27/15	15:00:00	539.5	1863.8	300.0	2,163.8
05/27/15	16:00:00	539.5	1863.1	300.0	2,163.1
05/27/15	17:00:00	539.5	1862.5	300.0	2,162.5
05/27/15	18:00:00	539.5	1861.9	300.0	2,161.9
05/27/15	19:00:00	539.8	1863.1	300.0	2,163.1
05/27/15	20:00:00	540.3	1865.3	300.0	2,165.3
05/27/15	21:00:00	540.8	1866.3	300.0	2,166.3
05/27/15	22:00:00	541.3	1866.9	300.0	2,166.9
05/27/15	23:00:00	541.8	1867.3	300.0	2,167.3
05/28/15	00:00:00	542.3	1867.9	300.0	2,167.9
05/28/15	01:00:00	542.7	1868.4	300.0	2,168.4
05/28/15	02:00:00	543.2	1868.9	300.0	2,168.9
05/28/15	03:00:00	543.7	1869.3	300.0	2,169.3
05/28/15	04:00:00	544.2	1869.7	300.0	2,169.7
05/28/15	05:00:00	544.7	1870.1	300.0	2,170.1
05/28/15	06:00:00	545.2	1870.9	300.0	2,170.9
05/28/15	07:00:00	545.7	1871.1	300.0	2,171.1
05/28/15	08:00:00	546.2	1871.5	300.0	2,171.5
05/28/15	09:00:00	546.7	1872.1	300.0	2,172.1
05/28/15	10:00:00	547.1	1872.4	300.0	2,172.4
05/28/15	11:00:00	547.6	1872.7	300.0	2,172.7
05/28/15	12:00:00	547.9	1872.7	300.0	2,172.7
05/28/15	13:00:00	547.9	1869.5	300.0	2,169.5
05/28/15	14:00:00	547.9	1868.2	300.0	2,168.2
05/28/15	15:00:00	547.9	1867.4	300.0	2,167.4
05/28/15	16:00:00	547.9	1866.7	300.0	2,166.7
05/28/15	17:00:00	547.9	1865.9	300.0	2,165.9
05/28/15	18:00:00	547.9	1865.3	300.0	2,165.3
05/28/15	19:00:00	548.3	1866.6	300.0	2,166.6
05/28/15	20:00:00	548.8	1868.6	300.0	2,168.6

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/28/15	21:00:00	549.3	1869.5	300.0	2,169.5
05/28/15	22:00:00	549.8	1870.1	300.0	2,170.1
05/28/15	23:00:00	550.2	1870.9	300.0	2,170.9
05/29/15	00:00:00	550.7	1871.3	300.0	2,171.3
05/29/15	01:00:00	551.2	1871.6	300.0	2,171.6
05/29/15	02:00:00	551.7	1872.3	300.0	2,172.3
05/29/15	03:00:00	552.2	1872.5	300.0	2,172.5
05/29/15	04:00:00	552.7	1873.1	300.0	2,173.1
05/29/15	05:00:00	553.2	1873.5	300.0	2,173.5
05/29/15	06:00:00	553.6	1873.8	300.0	2,173.8
05/29/15	07:00:00	554.1	1874.3	300.0	2,174.3
05/29/15	08:00:00	554.6	1874.9	300.0	2,174.9
05/29/15	09:00:00	555.1	1875.3	300.0	2,175.3
05/29/15	10:00:00	555.6	1875.5	300.0	2,175.5
05/29/15	11:00:00	556.1	1876.0	300.0	2,176.0
05/29/15	12:00:00	556.4	1875.7	300.0	2,175.7
05/29/15	13:00:00	556.4	1872.9	300.0	2,172.9
05/29/15	14:00:00	556.4	1871.4	300.0	2,171.4
05/29/15	15:00:00	556.4	1870.5	300.0	2,170.5
05/29/15	16:00:00	556.4	1869.8	300.0	2,169.8
05/29/15	17:00:00	556.4	1869.1	300.0	2,169.1
05/29/15	18:00:00	556.4	1868.5	300.0	2,168.5
05/29/15	19:00:00	556.7	1869.5	300.0	2,169.5
05/29/15	20:00:00	557.2	1871.8	300.0	2,171.8
05/29/15	21:00:00	557.7	1872.7	300.0	2,172.7
05/29/15	22:00:00	558.2	1873.4	300.0	2,173.4
05/29/15	23:00:00	558.6	1873.8	300.0	2,173.8
05/30/15	00:00:00	559.1	1874.4	300.0	2,174.4
05/30/15	01:00:00	559.6	1874.6	300.0	2,174.6
05/30/15	02:00:00	560.1	1875.1	300.0	2,175.1
05/30/15	03:00:00	560.1	1872.8	300.0	2,172.8
05/30/15	04:00:00	560.1	1871.2	300.0	2,171.2
05/30/15	05:00:00	560.1	1870.4	300.0	2,170.4
05/30/15	06:00:00	560.1	1869.7	300.0	2,169.7
05/30/15	07:00:00	560.1	1869.4	300.0	2,169.4
05/30/15	08:00:00	560.1	1868.9	300.0	2,168.9
05/30/15	09:00:00	560.1		300.0	
05/30/15	10:00:00	560.1		300.0	
05/30/15	11:00:00	560.1	1867.3	300.0	2,167.3
05/30/15	12:00:00	559.8	1865.8	300.0	2,165.8

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
05/30/15	13:00:00	559.8	1865.7	300.0	2,165.7
05/30/15	14:00:00	559.4	1863.5	300.0	2,163.5
05/30/15	15:00:00	559.4	1863.5	300.0	2,163.5
05/30/15	16:00:00	558.6	1859.5	300.0	2,159.5
05/30/15	17:00:00	558.6	1859.9	300.0	2,159.9
05/30/15	18:00:00	557.3	1854.8	300.0	2,154.8
05/30/15	19:00:00	557.3	1855.7	300.0	2,155.7
05/30/15	20:00:00	556.7	1854.8	300.0	2,154.8
05/30/15	21:00:00	555.2	1847.4	300.0	2,147.4
05/30/15	22:00:00	553.9	1843.8	300.0	2,143.8
05/30/15	23:00:00	552.6	1841.1	300.0	2,141.1
05/31/15	00:00:00	551.4	1838.6	300.0	2,138.6
05/31/15	01:00:00	550.1	1836.2	300.0	2,136.2
05/31/15	02:00:00	548.8	1833.8	300.0	2,133.8
05/31/15	03:00:00	547.6	1831.7	300.0	2,131.7
05/31/15	04:00:00	546.3	1829.7	300.0	2,129.7
05/31/15	05:00:00	545.1	1827.8	300.0	2,127.8
05/31/15	06:00:00	543.8	1825.4	300.0	2,125.4
05/31/15	07:00:00	542.5	1823.5	300.0	2,123.5
05/31/15	08:00:00	541.3	1821.8	300.0	2,121.8
05/31/15	09:00:00	540.0	1820.1	300.0	2,120.1
05/31/15	10:00:00	538.8	1818.1	300.0	2,118.1
05/31/15	11:00:00	537.5	1816.6	300.0	2,116.6
05/31/15	12:00:00	536.3	1814.9	300.0	2,114.9
05/31/15	13:00:00	535.0	1813.2	300.0	2,113.2
05/31/15	14:00:00	533.8	1811.4	300.0	2,111.4
05/31/15	15:00:00	532.6	1810.0	300.0	2,110.0
05/31/15	16:00:00	531.3	1808.6	300.0	2,108.6
05/31/15	17:00:00	530.1	1807.1	300.0	2,107.1
05/31/15	18:00:00	528.9	1805.6	300.0	2,105.6
05/31/15	19:00:00	527.6	1804.1	300.0	2,104.1
05/31/15	20:00:00	526.4	1802.8	300.0	2,102.8
05/31/15	21:00:00	525.1	1801.5	300.0	2,101.5
05/31/15	22:00:00	523.9	1800.2	300.0	2,100.2
05/31/15	23:00:00	522.7	1799.4	300.0	2,099.4
06/01/15	00:00:00	521.5	1797.9	300.0	2,097.9
06/01/15	01:00:00	520.2	1796.5	300.0	2,096.5
06/01/15	02:00:00	519.0	1795.2	300.0	2,095.2
06/01/15	03:00:00	517.7	1794.0	300.0	2,094.0
06/01/15	04:00:00	516.5	1792.7	300.0	2,092.7

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
06/01/15	05:00:00	515.2	1791.4	300.0	2,091.4
06/01/15	06:00:00	513.9	1790.1	300.0	2,090.1
06/01/15	07:00:00	512.7	1789.1	300.0	2,089.1
06/01/15	08:00:00	511.4	1787.8	300.0	2,087.8
06/01/15	09:00:00	510.1	1786.8	300.0	2,086.8
06/01/15	10:00:00	508.9	1785.6	300.0	2,085.6
06/01/15	11:00:00	507.6	1784.3	300.0	2,084.3
06/01/15	12:00:00	506.3	1783.2	300.0	2,083.2
06/01/15	13:00:00	505.1	1782.1	300.0	2,082.1
06/01/15	14:00:00	503.8	1780.7	300.0	2,080.7
06/01/15	15:00:00	503.3	1783.2	300.0	2,083.2
06/01/15	16:00:00	502.8	1788.2	300.0	2,088.2
06/01/15	17:00:00	501.5	1783.2	300.0	2,083.2
06/01/15	18:00:00	500.3	1780.5	300.0	2,080.5
06/01/15	19:00:00	499.1	1779.1	300.0	2,079.1
06/01/15	20:00:00	497.9	1777.8	300.0	2,077.8
06/01/15	21:00:00	496.7	1776.7	300.0	2,076.7
06/01/15	22:00:00	495.4	1775.5	300.0	2,075.5
06/01/15	23:00:00	495.0	1778.1	300.0	2,078.1
06/02/15	00:00:00	495.0	1785.2	300.0	2,085.2
06/02/15	01:00:00	495.0	1788.3	300.0	2,088.3
06/02/15	02:00:00	495.0	1790.4	300.0	2,090.4
06/02/15	03:00:00	495.0	1792.2	300.0	2,092.2
06/02/15	04:00:00	495.0	1793.8	300.0	2,093.8
06/02/15	05:00:00	495.0	1795.2	300.0	2,095.2
06/02/15	06:00:00	495.0	1796.5	300.0	2,096.5
06/02/15	07:00:00	495.0	1797.8	300.0	2,097.8
06/02/15	08:00:00	495.0	1799.1	300.0	2,099.1
06/02/15	09:00:00	495.0	1800.2	300.0	2,100.2
06/02/15	10:00:00	495.0	1801.1	300.0	2,101.1
06/02/15	11:00:00	495.0	1802.2	300.0	2,102.2
06/02/15	12:00:00	494.8	1802.0	300.0	2,102.0
06/02/15	13:00:00	494.6	1801.2	300.0	2,101.2
06/02/15	14:00:00	494.3	1801.1	300.0	2,101.1
06/02/15	15:00:00	494.1	1801.5	300.0	2,101.5
06/02/15	16:00:00	493.9	1801.3	300.0	2,101.3
06/02/15	17:00:00	493.7	1801.5	300.0	2,101.5
06/02/15	18:00:00	493.4	1801.7	300.0	2,101.7
06/02/15	19:00:00	493.2	1801.9	300.0	2,101.9
06/02/15	20:00:00	493.0	1802.0	300.0	2,102.0

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
06/02/15	21:00:00	492.7	1802.0	300.0	2,102.0
06/02/15	22:00:00	492.5	1802.0	300.0	2,102.0
06/02/15	23:00:00	492.3	1802.0	300.0	2,102.0
06/03/15	00:00:00	492.1	1802.0	300.0	2,102.0
06/03/15	01:00:00	491.8	1802.4	300.0	2,102.4
06/03/15	02:00:00	491.6	1802.3	300.0	2,102.3
06/03/15	03:00:00	491.4	1802.5	300.0	2,102.5
06/03/15	04:00:00	491.2	1802.5	300.0	2,102.5
06/03/15	05:00:00	490.9	1802.6	300.0	2,102.6
06/03/15	06:00:00	490.7	1802.5	300.0	2,102.5
06/03/15	07:00:00	490.7	1803.7	300.0	2,103.7
06/03/15	08:00:00	490.7	1805.3	300.0	2,105.3
06/03/15	09:00:00	490.7	1806.0	300.0	2,106.0
06/03/15	10:00:00	490.6	1806.6	300.0	2,106.6
06/03/15	11:00:00	490.4	1805.6	300.0	2,105.6
06/03/15	12:00:00	490.4	1806.5	300.0	2,106.5
06/03/15	13:00:00	490.0	1804.4	300.0	2,104.4
06/03/15	14:00:00	489.9	1805.9	300.0	2,105.9
06/03/15	15:00:00	489.1	1801.2	300.0	2,101.2
06/03/15	16:00:00	489.1	1802.3	300.0	2,102.3
06/03/15	17:00:00	488.3	1800.1	300.0	2,100.1
06/03/15	18:00:00	487.5	1796.7	300.0	2,096.7
06/03/15	19:00:00	486.6	1794.7	300.0	2,094.7
06/03/15	20:00:00	485.8	1792.8	300.0	2,092.8
06/03/15	21:00:00	484.9	1791.3	300.0	2,091.3
06/03/15	22:00:00	484.1	1789.9	300.0	2,089.9
06/03/15	23:00:00	483.2	1788.4	300.0	2,088.4
06/04/15	00:00:00	482.3	1787.0	300.0	2,087.0
06/04/15	01:00:00	481.5	1785.7	300.0	2,085.7
06/04/15	02:00:00	480.6	1784.7	300.0	2,084.7
06/04/15	03:00:00	480.0	1784.0	300.0	2,084.0
06/04/15	04:00:00	480.0	1789.1	300.0	2,089.1
06/04/15	05:00:00	480.0	1791.7	300.0	2,091.7
06/04/15	06:00:00	480.0	1793.2	300.0	2,093.2
06/04/15	07:00:00	480.0	1794.3	300.0	2,094.3
06/04/15	08:00:00	480.0	1795.5	300.0	2,095.5
06/04/15	09:00:00	480.0	1796.5	300.0	2,096.5
06/04/15	10:00:00	480.0	1797.2	300.0	2,097.2
06/04/15	11:00:00	480.0	1798.0	300.0	2,098.0
06/04/15	12:00:00	480.0	1798.6	300.0	2,098.6

Attachment 9a - Observed Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Date	Hour	Cumulative Gas Injection Volume	Piacentine 1-27 Tubing	Piacentine 1-27 Gradient	Piacentine 1-27 Est BHP
		MMSCF	PSIA	PSIA	PSIA
06/04/15	13:00:00	480.0	1799.2	300.0	2,099.2
06/04/15	14:00:00	480.0	1799.9	300.0	2,099.9
06/04/15	15:00:00	480.0	1800.2	300.0	2,100.2
06/04/15	16:00:00	480.0	1800.6	300.0	2,100.6
06/04/15	17:00:00	480.0	1801.1	300.0	2,101.1
06/04/15	18:00:00	480.0	1801.3	300.0	2,101.3
06/04/15	19:00:00	480.0	1801.8	300.0	2,101.8
06/04/15	20:00:00	480.0	1802.1	300.0	2,102.1
06/04/15	21:00:00	480.0	1802.7	300.0	2,102.7
06/04/15	22:00:00	480.0	1802.8	300.0	2,102.8
06/04/15	23:00:00	480.0	1803.3	300.0	2,103.3
06/05/15	00:00:00	480.0	1803.4	300.0	2,103.4

Attachment 9b - Predicted Bottomhole Pressure Data and Gas Injection Volume for Piacentine 1-27

Cumulative Injection Volume (MMSCF)	Predicted Pressures for Scenario Sh2Kl			
	Pressure relative to hydrostatic (ft H2O)	Pressure relative to hydrostatic (psi)	Pressure increase (psi)	Well Screen Midpoint Pressure (psi)
0.0	-367.6	-161.4	0.0	1882.6
22.3	-249.0	-109.3	52.1	1934.7
44.6	-194.0	-85.2	76.2	1958.8
66.8	-155.0	-68.0	93.4	1976.0
89.1	-122.6	-53.8	107.6	1990.2
111.4	-94.1	-41.3	120.1	2002.7
133.6	-68.0	-29.9	131.5	2014.1
155.9	-43.6	-19.1	142.3	2024.9
178.2	-20.3	-8.9	152.5	2035.1
200.5	2.1	0.9	162.3	2044.9
222.7	23.9	10.5	171.9	2054.5
245.0	45.2	19.8	181.2	2063.8
267.3	66.0	29.0	190.4	2073.0
289.6	86.5	38.0	199.4	2082.0
311.8	106.6	46.8	208.2	2090.8
334.1	126.4	55.5	216.9	2099.5
356.4	145.9	64.1	225.5	2108.1
378.6	165.2	72.5	233.9	2116.5
400.9	184.1	80.8	242.2	2124.8
423.2	202.9	89.1	250.5	2133.1
445.5	221.4	97.2	258.6	2141.2
467.7	239.6	105.2	266.6	2149.2
490.0	257.7	113.1	274.5	2157.1

ATTACHMENT 10

Updated Evaluation of Annular Pressure-Temperature Relationship

June 8, 2015

Energy Procurement
Renewable Energy
Development
245 Market Street, Room 1344
San Francisco, CA 94105-1702

Mailing Address
Mail Code N13W
P. O. Box 770000
San Francisco, CA 94177-0001

June 8, 2015

Ms. Michele Dermer
EPA Region 9, WTR-9
75 Hawthorne St.
San Francisco, CA 94105

Subject: Updated Evaluation of Annular Pressure-Temperature Relationship
PG&E Test Injection/Withdrawal Well 1
Permit No. R9UIC-CA5-FY13-1
King Island, San Joaquin County, California

Dear Ms. Dermer:

As required under Section D.6.c of Permit No. R9UIC-CA5-FY13-1 (the Permit), PG&E has been evaluating the annular pressure-temperature relationship in Test Injection/Withdrawal Well 1 to assess the range of pressures that would be expected during normal operations and what changes might be indicative of a loss of mechanical integrity. PG&E's initial evaluation was submitted on March 27, 2015 and updated on April 1, April 17, May 1, and May 14, 2015 due to changes in injection rates and temperatures, and in response to EPA's comments on the prior submittals. The threshold for reporting annular pressure exceedances under Section D.6.b was initially set at 100 psia. After the initial operating period it was concluded that annular pressure is influenced by a complex set of variables, but is expected to remain between 30 and 600 psia during normal injection operating conditions. In addition, it was noted that a leak in the well tubing string, packer system or casing would result in a characteristic departure from the established cyclical pressure-temperature response during injection. In comments that accompanied their letter to PG&E dated April 17, 2015, EPA provided an interim upper annular pressure limit of 200 psia. Subsequent pressure excursions above the interim 200 psia reporting limit were found to be solely due to variations in annular temperature.

As part of the May 14, 2015 extended evaluation of the annular pressure-temperature relationship, PG&E requested that EPA grant an annular pressure limit of 400 psia. The EPA responded in a letter dated May 18, 2015 and accepted this revised reporting limit, stipulating that if the annulus pressure exceeds the 400 psia limit for a period greater than 24 hours, the EPA must be notified in accordance with paragraphs 2.c, 6.b, and 6.c in part II.D of the permit. During withdrawal flow testing between May 31, 2015 and June 2, 2015, the 400 psia notification limit on annular pressure was exceeded for a period greater than 24 hours. The notification limit

was again exceeded during withdrawal flow testing, on June 3 and 4, 2015, but withdrawal testing was completed and the well shut in before the exceedance reached 24 hours in duration. Specifically, the following annular and injection pressures and temperatures were measured:

Time Period that Annular Pressure Exceeded 400 psia		Duration of Exceedance	Peak Annular Pressure Date and Time	Peak Annular Temperature and Time	Tubing Head Pressure During Withdrawal	Peak Bottom Hole Temperature
Start Date and Time	End Date and Time					
May 31, 2015 @11:38 hr	June 2, 2015 @17:05 hr	41.4 hours	642 psia June 1, 2015 @ 22:21 hr	93.2°F June 1, 2015 @ 14:24 hr	1560-1810 psia	125°F
June 3, 2015 @14:49 hr	June 4, 2015 @09:36 hr	18.8 hours	646 psia June 4, 2015 @ 02:48 hr	88.5°F June 4, 2015 @ 02:50 hr	0-1812 psia	126°F

PG&E notified EPA via email within 24 hours of the first reportable annular pressure exceedance (which reached the 24 hour reporting time limit on June 1). As a result of the above exceedances, PG&E has prepared an updated evaluation of the annular pressure-temperature relationship for Test Injection/Withdrawal Well 1, dated June 8, 2015.

The review and updated evaluation of the annular pressure-temperature relationship for Test Injection/Withdrawal Well 1 is attached. The updated evaluation concludes that the observed I/W well annulus pressure excursions above the 400 psia limit may be attributed solely to thermal effects and do not reflect a loss of mechanical integrity. Unlike previous evaluations where the ambient air and annulus temperatures were cycling diurnally in correlation with the annulus pressures during air injection, the recent annulus pressure excursions occurred during an extended air withdrawal cycle. Based on the evaluation, it appears that the sustained release of hot air from the reservoir resulted in heating for the annular fluids and caused the I/W well annulus pressure to rise over a longer period of time. The observed temperatures and annular pressures are consistent with the updated response function calculated based upon the available data to date. Since the suspension of withdrawal and injection on June 4, 2015, the I/W well annular pressures are continuing to decrease and are expected to eventually return to the normal range under static shut-in conditions. As of the date of this submittal, the I/W well annulus pressure was less than 170 psia.

PG&E completed its planned compression test and the I/W well will now remain shut in. We will continue to monitor the annular pressures and temperatures while the well is shut in, in accordance with the permit requirements, and will report any fluctuations outside of the range limit, or any unexpected pressure trends that do not correspond with the predicted annular pressure-temperature relationship, to EPA in accordance with Section D.6.b.

The updated evaluation of the annular pressure-temperature relationship for Test Injection/Withdrawal Well 1 is enclosed as one hard copy and as a PDF in a data CD. The document has also been uploaded to PG&E's Dropbox account, which can be accessed at the following link:

https://www.dropbox.com/sh/mf2qnl5v016e78f/AABIm-gfjIKWPpVCKe7hUgA6a?dl=0

If you have any questions regarding this submittal or require additional information, please feel free to contact me at (415) 973-6270.

Sincerely,

Mike Medeiros
Manager, Renewable Energy Development

Cc: Mr. James Walker, EPA Consultant
Mr. Michael Woods, Division of Oil, Gas and Geothermal Resources
Ms. Anne L. Olson, Central Valley Regional Water Quality Control Board

Enclosures: Updated Evaluation of Tubing/Casing Annulus Pressure Excursions

June 8, 2015

EPA UIC Permit No. R9UIC-CA5-FY13-1

FIFTH EVALUATION OF ANNULAR PRESSURE-TEMPERATURE BEHAVOIR DURING NORMAL OPERATING CONDITIONS OF TEST I/W WELL 1

This is the fifth evaluation of the annulus pressure-temperature relationship for the Test Injection/Withdrawal (I/W) Well 1. The initial evaluation submitted on March 27, 2015 and the subsequent evaluations on April 1, May 1 and May 14, 2015 have assessed the range of annulus pressures both observed and expected during normal well operations that are due to the thermal effects from changes in wellbore temperatures and injection/withdrawal rates.

In the previous PG&E evaluation submitted on May 14, 2015, it was concluded that the observed annular pressure behavior during the compression testing program operations, and in particular the pressure increases above 200 psia (including up to 367 psia) were due solely to the injection/withdrawal operating conditions of the well and not related to any loss of wellbore integrity related to the packer, tubing or casing. EPA, in a letter dated May 18, 2015, agreed that the annulus pressures observed to date were due primarily to thermal and injection pressure effects, rather than a loss of mechanical integrity. EPA recommended, and PG&E accepted, a maximum annulus pressure limit of 400 psia. In addition, EPA stipulated that if the annulus pressure exceeded 400 psia for a period greater than 24 hours, a notification must be made to the EPA followed by a written submission within 5 days of the pressure exceedance in accordance with Parts D.6.2.b and D.6.2.c of the permit.

The I/W well annulus pressure exceeded 400 psia for a period of 41.5 hours between May 31 and June 2, 2015. This was subsequent to the new annulus pressure limitation of 400 psia and during the final withdrawal flow testing of ambient air, which included a longer sustained withdrawal period than had previously been implemented. The 400 psia limitation was again exceeded during resumption of the final withdrawal testing on June 3 – 4, 2015; however, the withdrawal testing program ended on June 4, 2015, and the I/W well shut-in, before the exceedance reached 24 hours in duration. After the well was shut-in, the annular pressures fell below the 400 psia threshold consistent with the previously seen behavior where the pressure increases or decreases as a function of thermal effects.

At this point, PG&E's compression testing program is complete and the I/W well is scheduled to remain shut-in. Since the end of the compression testing program on June 4, 2015, the I/W well annular pressures have continued to decline and are expected to eventually return to the normal range under static shut-in conditions. As of the date of this report, the I/W well annulus pressure was less than 170 psia.

Pursuant to the conditions of the subject permit, PG&E submits this evaluation of the pressure exceedance described above, as to whether or not it represents a loss of mechanical integrity. For this evaluation, the graphs and exhibits in the previous May 14, 2015 submission are updated for the observed and calculated annular pressures since that last report. **EXHIBIT 1** is a graph of the observed variation in the I/W well annulus pressure and temperature since the

start of injection operations on February 14 to June 5, 2015. The same graph of annulus pressure and temperature but focused on the recent period May 3 to June 5, 2015 is presented by **EXHIBIT 2**. A graph of the associated tubing pressure and injection/withdrawal rates is given in **EXHIBIT 3**.

Other previous diagnostic graphs of 1) the observed daily maximum annulus pressure versus maximum annulus temperature and 2) the maximum daily injection pressure versus maximum annulus pressure are updated from the May 14, 2015 report and presented by **EXHIBITS 4** and **5**, respectively. The additional data on these diagnostic plots further confirm the previous conclusions that there are no meaningful correlations to be made between these variables and the annulus pressure readings.

The pressure-temperature relationship developed previously by PG&E to predict the thermal effects on I/W well annular pressures is shown graphically by **EXHIBIT 6**. This relationship is based on the assumption that the primary factor affecting the annulus pressure is the thermal expansion, or contraction, of the confined annular fluids (KCL water). The change in water density as a function of the temperature will cause a change in the water volume in the annulus, increasing or decreasing the volume and pressure of the nitrogen cap which was placed on top of the annulus fluid (initially at 100 psia). The delta temperature used by this equation is calculated as the difference between the final average wellbore temperature, T_f[1] and the initial wellbore temperature, T_i established when the nitrogen cap was placed on the annulus (94.3 °F). The underlying methodology and equations presented in previous submittals are given in **EXHIBITS 7** and **8**.

Applying the above pressure-temperature relationship used in the May 14, 2015 evaluation, the predicted and observed annular pressures versus time are presented graphically in **EXHIBIT 9** for the recent period May 3 to June 5, 2015. The delta temperatures used in the exponential equation are shown in **EXHIBIT 10**.

The observed annular pressures in **EXHIBIT 9**, particularly those pressures greater than 400 psia, are shown to be consistent with the predicted pressures based on the available temperature data. The timing of the high and low peaks in annular pressure is generally in sync with the highs and lows for the predicted pressures. The pressure-temperature relationship is able to predict the two maximum pressures observed on June 2 and June 4, 2015, although better for the second than the first peak, again showing how the evaluation of the annular pressure-temperature response is very difficult to predict.

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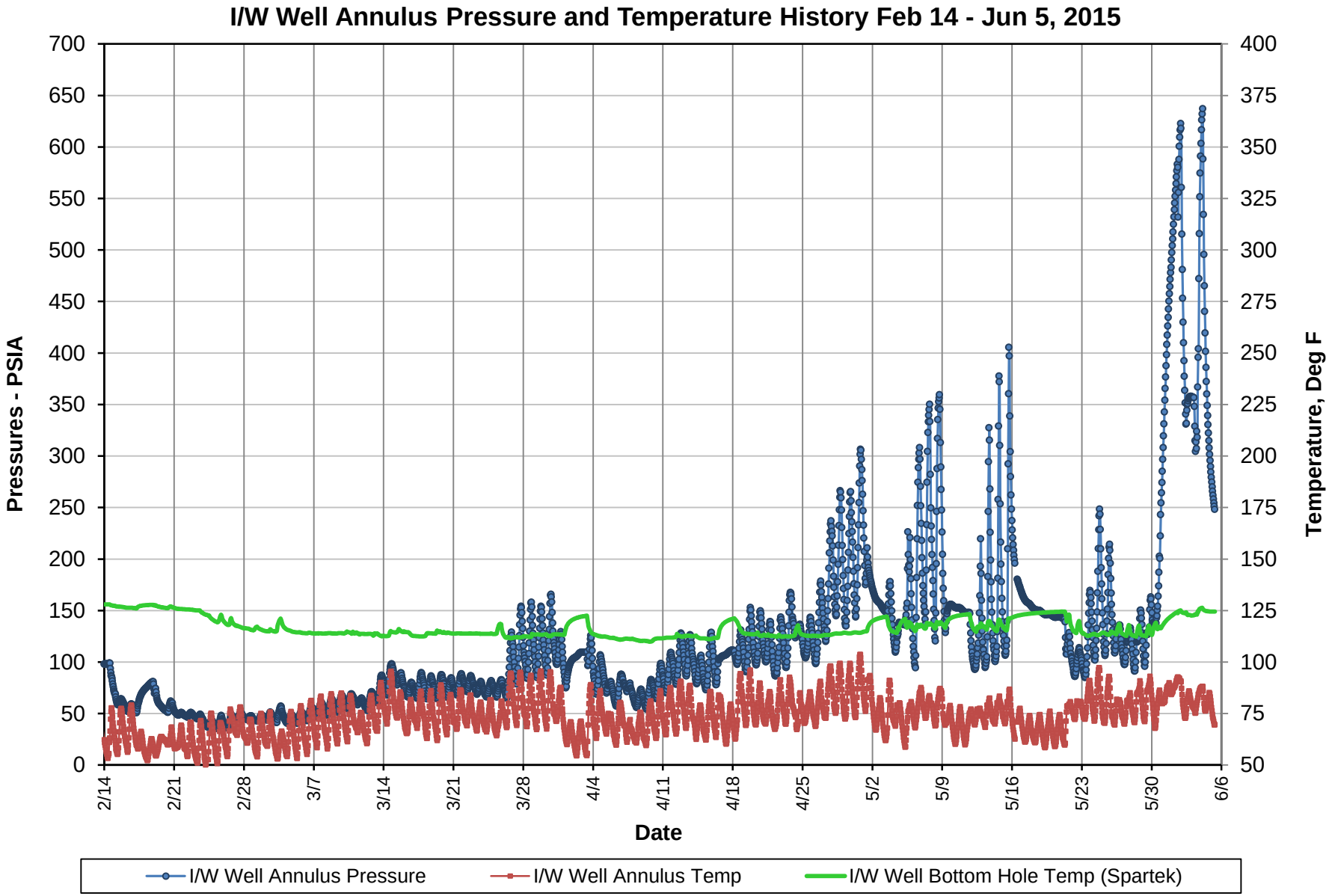
[1] T_f is determined from an average of the surface well temperature and the bottomhole temperature. The bottomhole temperature is measured continuously by a surface readout gauge. The surface well temperature is determined in most cases as a 24-hr trailing average (less for cycling injection/withdrawal periods) of the variation in the measured I/W well annulus temperatures.

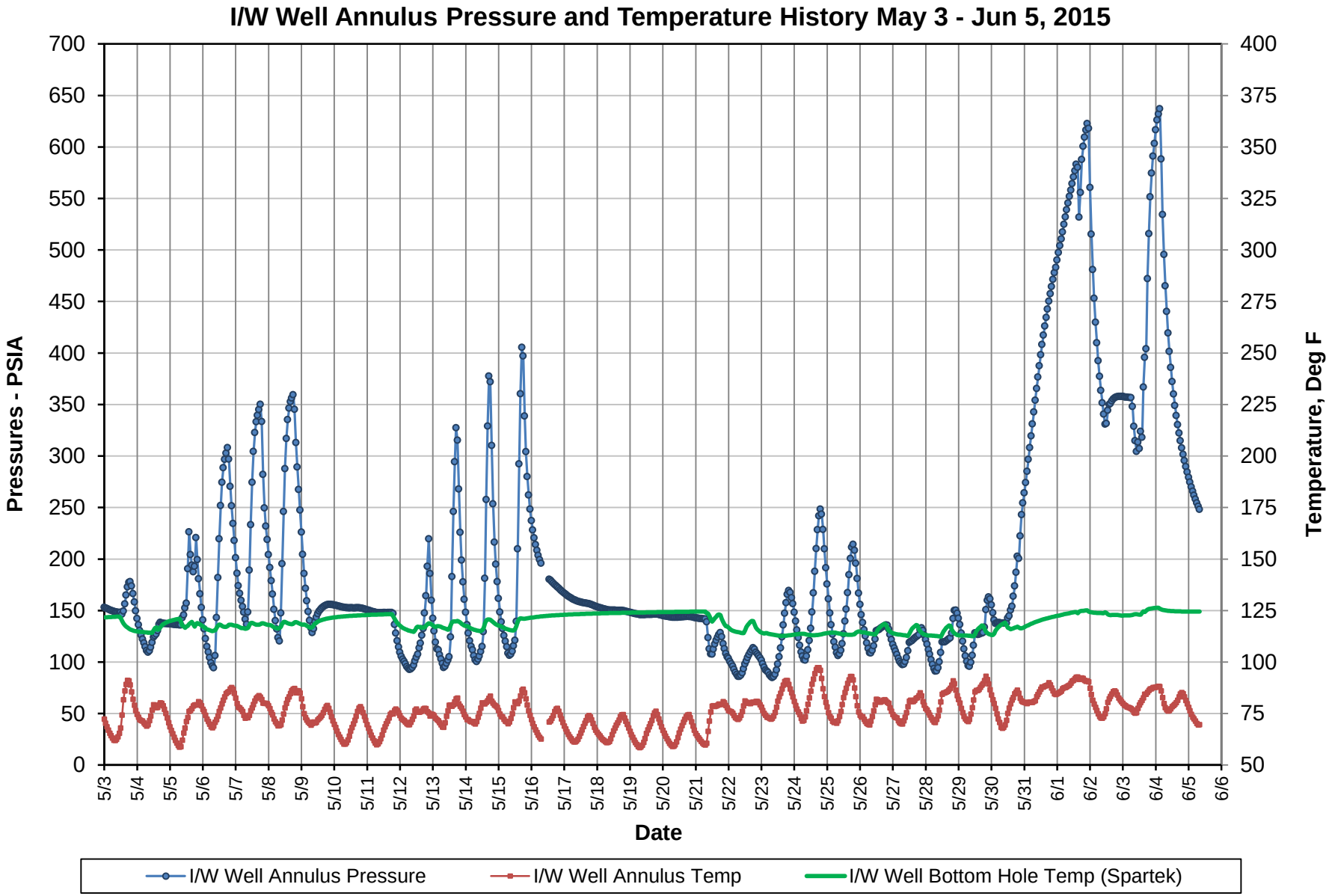
We believe that the annular pressure excursions above 400 psia are related to sustained high temperatures of the withdrawal air during the extended flow period. This is unlike previous evaluations where the annulus pressures were cycling daily in correlation to the ambient air, bottomhole temperature, and annulus temperature during air injection and during injection/withdrawal cycling. Based on the predicted annular pressures using the exponential function, it appears that the sustained release of hot air from the reservoir caused a steady heating of the annular fluids, resulting in a constant increase of the I/W well annulus pressure, which pressure increase was ended only by the termination of the withdrawal flow. Previous PG&E evaluations had concluded that the annular pressure could be expected to remain between 30 and 600 psia during the anticipated operating conditions solely due to thermal effects, which is now generally confirmed by the recorded annular pressures.

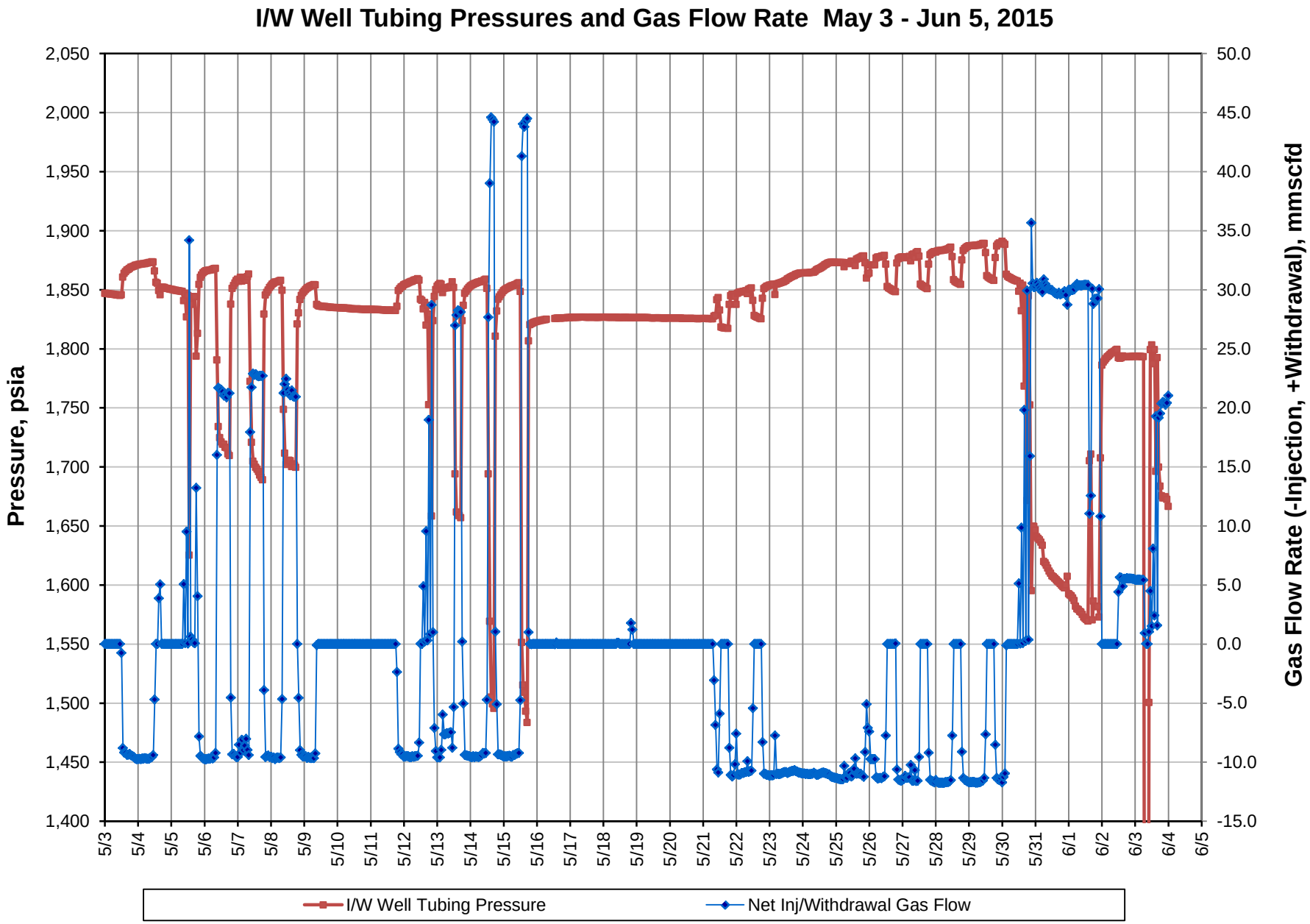
CONCLUSIONS AND LIMITATIONS

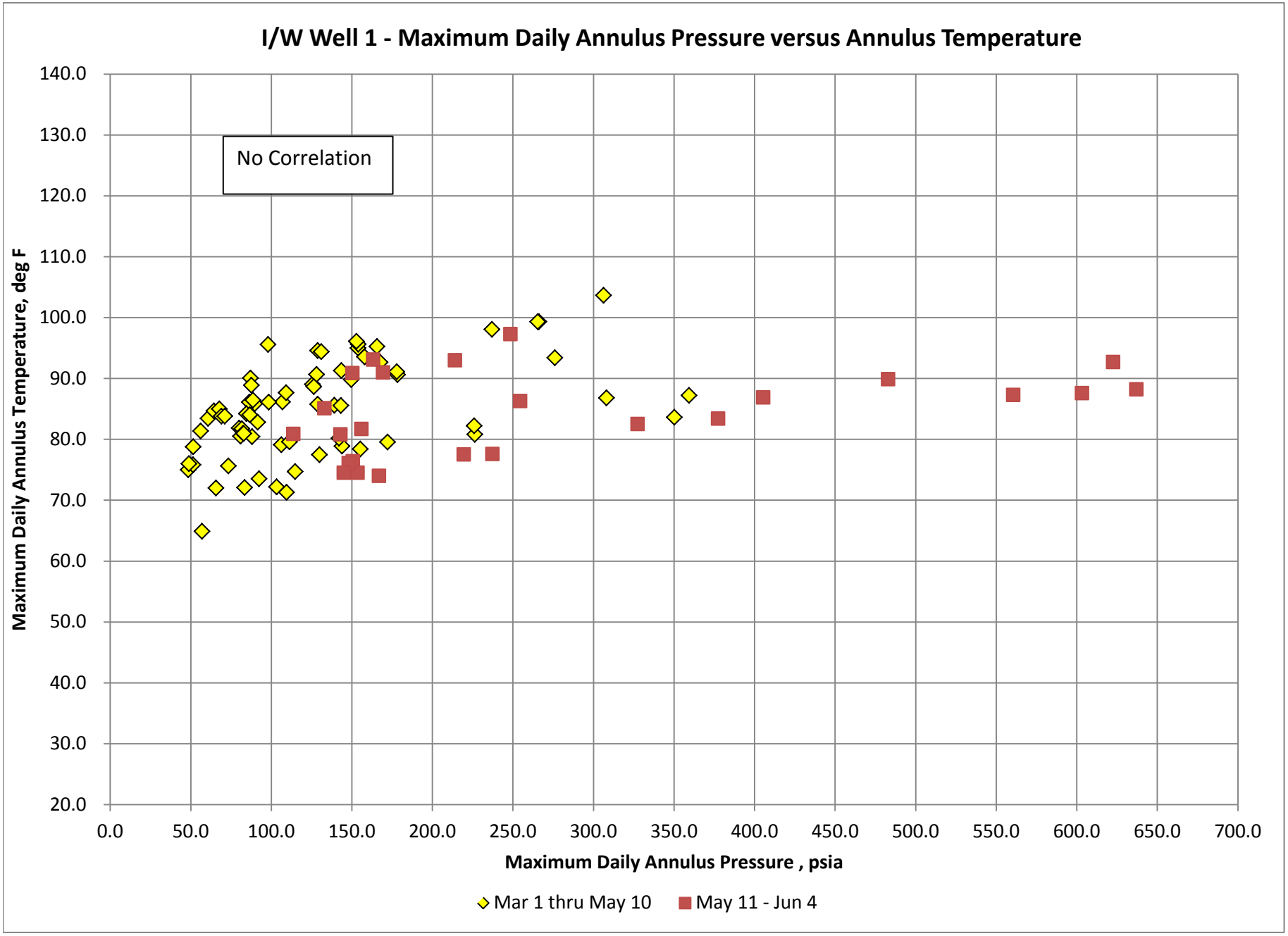
We have evaluated a number of key variables as a surrogate for the more complex system, and have curve matched the past relationship. While the operational process (e.g. injection flow versus withdrawal flow) appears to affect the magnitude of the annular pressure response, nevertheless, there is enough general agreement between the predicted and observed annular pressure trends and values in this updated evaluation to conclude that the observed annular pressure readings above 400 psia are solely a reflection of the thermal effects due to the extended withdrawal operating conditions and do not reflect a loss of mechanical integrity. This is reinforced by the fact that the annulus pressures are returning to the normal range under static shut-in and ambient air temperatures conditions.

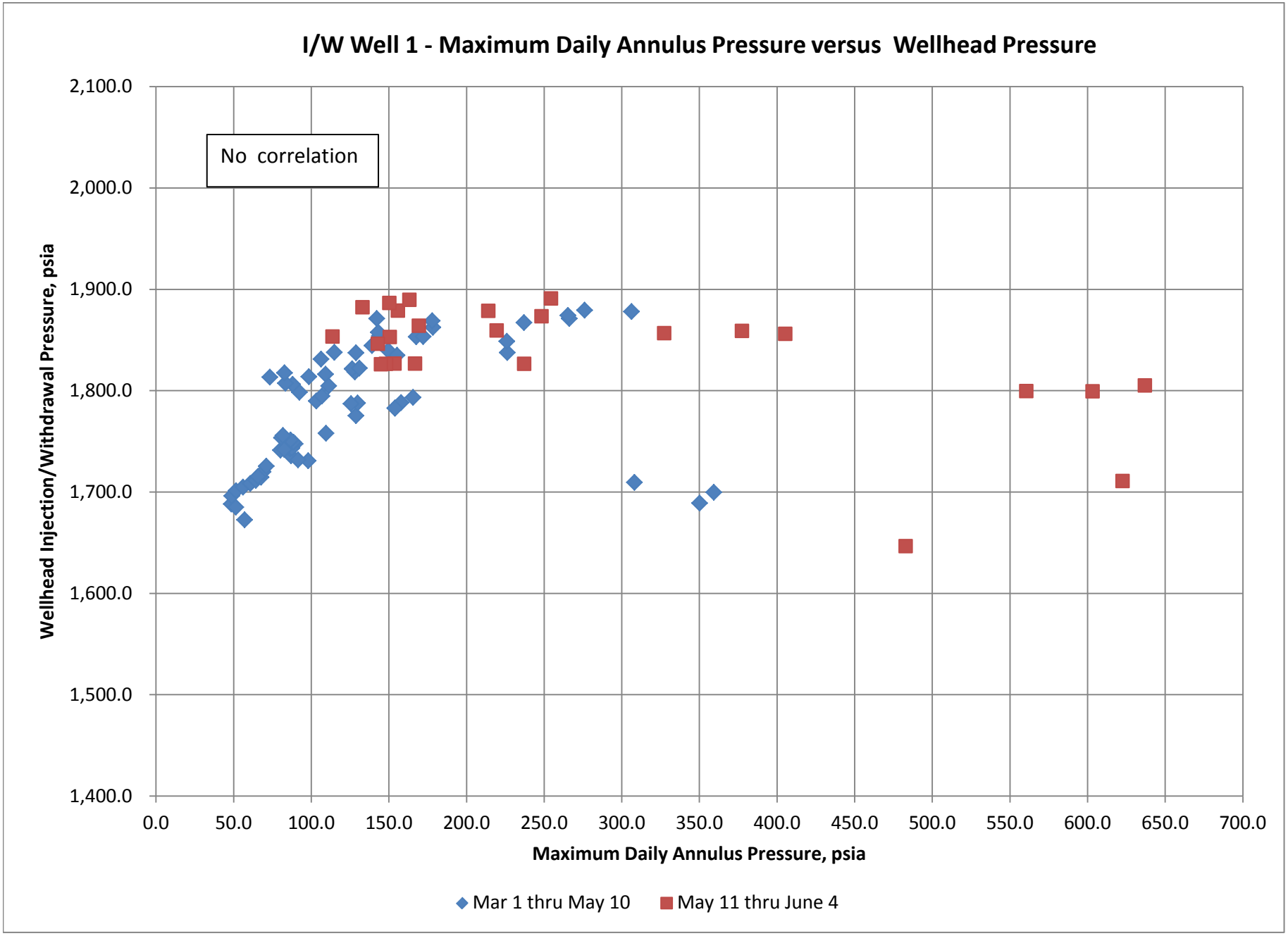
The evaluation of annular pressure-temperature response is very complex and outside of the scope of a typical annular pressure-temperature monitoring program. Although it has significant predictive limitations, we believe our evaluation methodology is reasonable and defensible for the purpose of demonstrating maintenance of I/W well mechanical integrity and compliance with the UIC permit for the well. A full scientific evaluation would involve modeling more variables than a simple spreadsheet model can realistically handle (e.g., variations in mass flow, variations in heat flow due to instrument and ambient effects, temperature gradients, pressure gradients, thermal effects on casing and tubing, etc.). This is beyond the resources, scope and available data for investigation by PG&E.

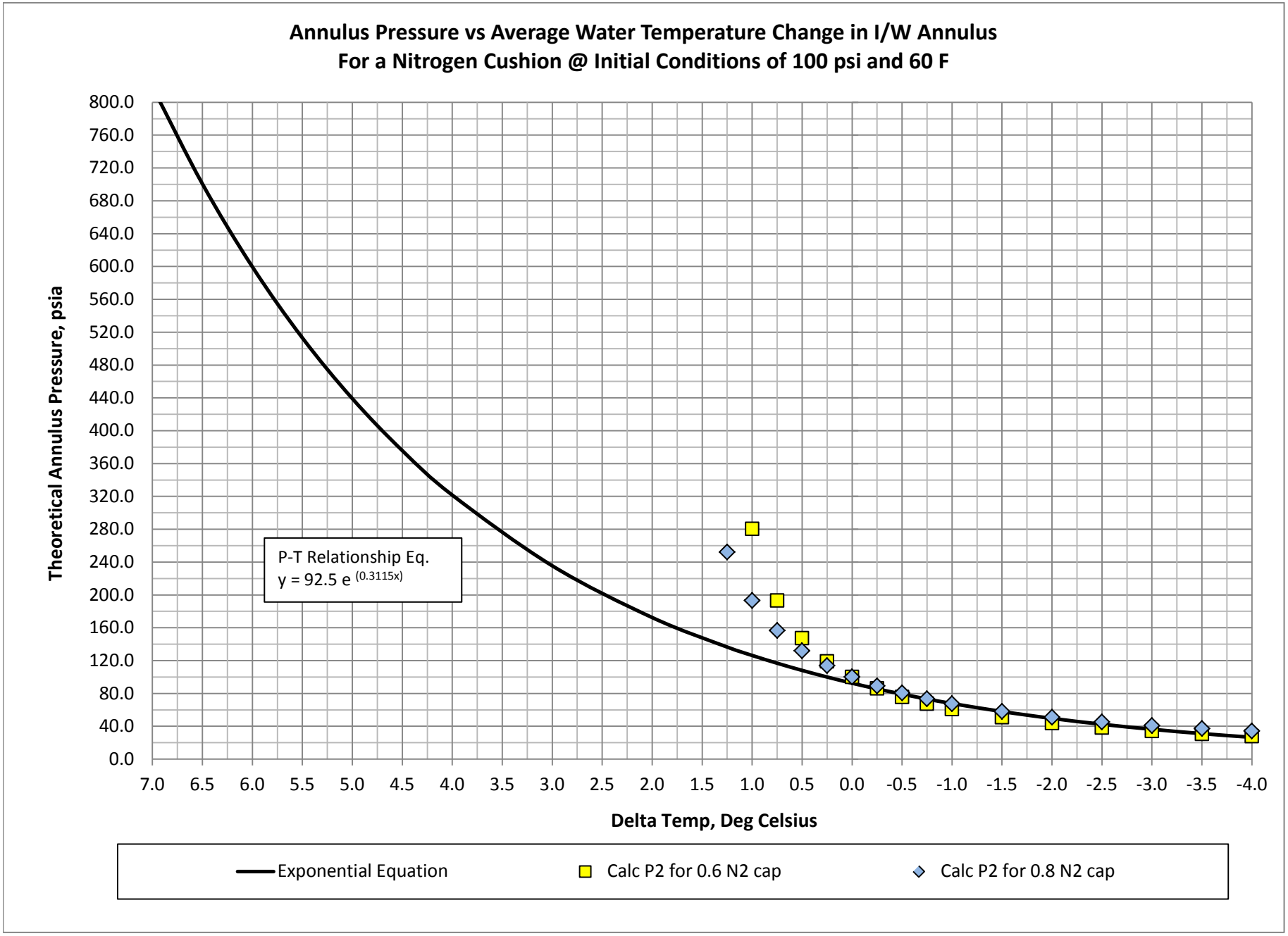

I/W Well Annulus Pressure and Temperature History Feb 14 - Jun 5, 2015
Pressures - PSIA
Temperature, Deg F
Date
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
400
375
350
325
300
275
250
225
200
175
150
125
100
75
50
2/14
2/21
2/28
3/7
3/14
3/21
3/28
4/4
4/11
4/18
4/25
5/2
5/9
5/16
5/23
5/30
6/6
I/W Well Annulus Pressure
I/W Well Annulus Temp
I/W Well Bottom Hole Temp (Spartek)


I/W Well Annulus Pressure and Temperature History May 3 - Jun 5, 2015
Pressures - PSIA
Temperature, Deg F
Date
I/W Well Annulus Pressure
I/W Well Annulus Temp
I/W Well Bottom Hole Temp (Spartek)

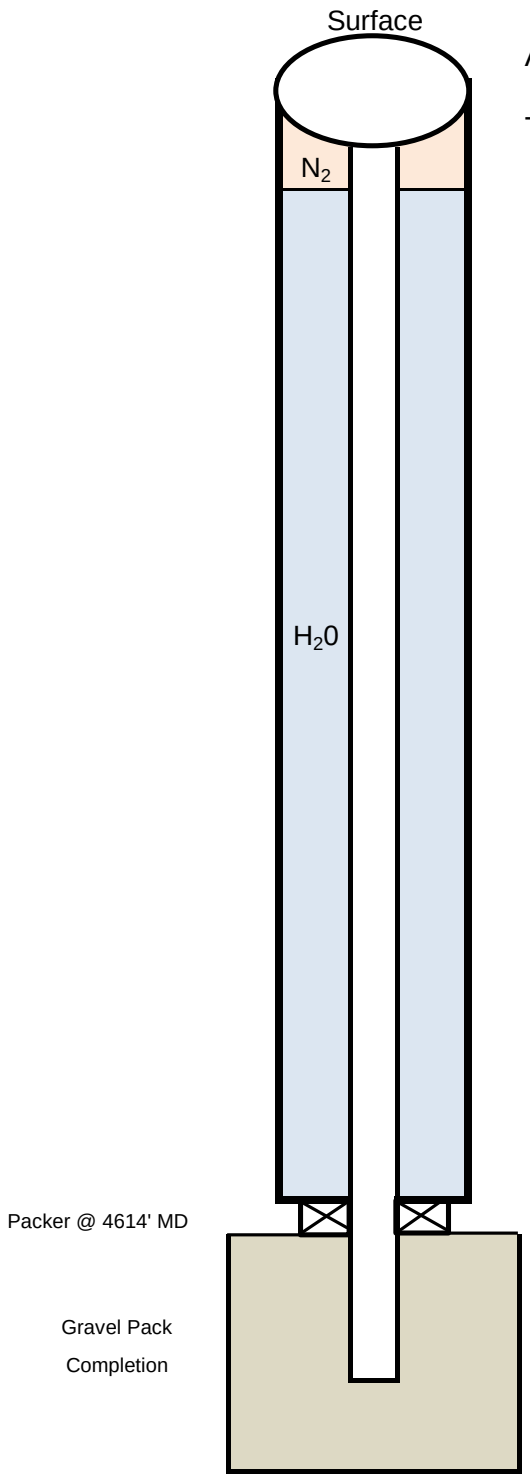

I/W Well Tubing Pressures and Gas Flow Rate May 3 - Jun 5, 2015
Pressure, psia
Gas Flow Rate (-Injection, +Withdrawal), mmscfd
2,050
2,000
1,950
1,900
1,850
1,800
1,750
1,700
1,650
1,600
1,550
1,500
1,450
1,400
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
-5.0
-10.0
-15.0
5/3
5/4
5/5
5/6
5/7
5/8
5/9
5/10
5/11
5/12
5/13
5/14
5/15
5/16
5/17
5/18
5/19
5/20
5/21
5/22
5/23
5/24
5/25
5/26
5/27
5/28
5/29
5/30
5/31
6/1
6/2
6/3
6/4
6/5
I/W Well Tubing Pressure
Net Inj/Withdrawal Gas Flow


I/W Well 1 - Maximum Daily Annulus Pressure versus Annulus Temperature
No Correlation
Maximum Daily Annulus Temperature, deg F
140.0
130.0
120.0
110.0
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
0.0
50.0
100.0
150.0
200.0
250.0
300.0
350.0
400.0
450.0
500.0
550.0
600.0
650.0
700.0
Maximum Daily Annulus Pressure , psia
Mar 1 thru May 10
May 11 - Jun 4


I/W Well 1 - Maximum Daily Annulus Pressure versus Wellhead Pressure
No correlation
Wellhead Injection/Withdrawal Pressure, psia
2,100.0
2,000.0
1,900.0
1,800.0
1,700.0
1,600.0
1,500.0
1,400.0
0.0
50.0
100.0
150.0
200.0
250.0
300.0
350.0
400.0
450.0
500.0
550.0
600.0
650.0
700.0
Maximum Daily Annulus Pressure, psia
Mar 1 thru May 10
May 11 thru June 4


Annulus Pressure vs Average Water Temperature Change in I/W Annulus
For a Nitrogen Cushion @ Initial Conditions of 100 psi and 60 F
Theoretical Annulus Pressure, psia
800.0
760.0
720.0
680.0
640.0
600.0
560.0
520.0
480.0
440.0
400.0
360.0
320.0
280.0
240.0
200.0
160.0
120.0
80.0
40.0
0.0
P-T Relationship Eq.
y = 92.5 e (0.3115x)
7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 -1.0 -1.5 -2.0 -2.5 -3.0 -3.5 -4.0
Delta Temp, Deg Celsius
Exponential Equation
Calc P2 for 0.6 N2 cap
Calc P2 for 0.8 N2 cap

PG&E Test I/W Well 1 Annulus Pressure Calculations



Assume that the water in the annulus acts like a piston on the N_2 cap.

The change in water density (ρ) as a function of temperature is:

$$\rho_{wf} = \rho_{wi} / [\, 1 + \beta\, (T_f - T_i) \,]$$

but, ρ = mass/vol and mass is constant; therefore:

$$\frac{1}{V_{wf}} = \frac{1}{V_{wi}} \Big/ [\, 1 + \beta\, (T_f - T_i) \,]$$

$$V_{wf} = V_{wi} \times [\, 1 + \beta\, (T_f - T_i) \,]$$

$$\Delta V_w = V_{wf} - V_{wi}$$

Where:

V_{wi} = Initial water volume, m^3
V_{wf} = Final water volume, m^3
Ti = Initial water temperature, ^0C
Tf = Final water temperature, ^0C
β = Volumetric temperature co-efficient of water, $m^3/m^3\ ^0C$
(www.engineeringtoolbox.com)

For N_2 cushion:

$$PV = z\, n\, R\, T$$

P_1 = 100 psi

$$P_2 = \frac{z\, n\, R\, T_2}{V_2} \longrightarrow$$

N_2 volume adjusted for ΔV_w

I/W Test Well Annulus Pressure Calculations based on the change in Water Density as a Function of Temperature

ASSUMPTIONS & INPUT PARAMETERS

Annular space between 9-5/8" 40# and 5-1/2" 17# pipe =	0.2607	cuft/ft
Length of annular space (packer @ 4614' MD) =	4,614.0	ft
Total annular space =	1,202.9	$feet^3$
Total annular space =	214.2	barrels
Estimated initial wellhead volume available for N2 =	0.80	cuft
P1 = Initial pressure of N2 =	100.0	psia
T1 & T2 = temperature of N2 =	60.0	F
z factor for N2 @ 100 psi and 60 deg F =	0.995	
No of moles N2 =[100 psia x N2 cuft]/[0.995 x 10.732 x (460+60)] =	0.0144	moles

Volumetric Temperature Coefficient of Water, β (www.engineering toolbox.com)

Deg C	Deg F	β, m3/m3 deg C
10.0	50.0	0.000088
20.0	68.0	0.000207
30.0	86.0	0.000303
32.2	90.0	0.000321
40.0	104.0	0.000385

0.000321

P2 = znR(T2)/(V2) $y=92.5e^{0.3115x}$

delta Temp, deg C	β	delta Vol, m3	Vwi, m3	Vwf, m3	Delta Vol, m3	Delta Vol, cuft	V2, cuft	Calc P2 for 0.8 N2 cap	Calc P2 for 0.6 N2 cap	Exponential Equation
7.00										818.69
6.50										700.62
6.00										599.57
5.50										513.09
5.00										439.09
4.50										375.76
4.00										321.57
3.00										235.50
2.00										172.47
1.25	0.000321	1.000401	34.0617	34.0753	0.013667	0.482652	0.317348	252.09		136.54
1.00	0.000321	1.000321	34.0617	34.0726	0.010934	0.386121	0.413879	193.29	280.53	126.31
0.75	0.000321	1.000241	34.0617	34.0699	0.008200	0.289591	0.510409	156.74	193.29	116.84
0.50	0.000321	1.000161	34.0617	34.0671	0.005467	0.193061	0.606939	131.81	147.44	108.09
0.25	0.000321	1.000080	34.0617	34.0644	0.002733	0.096530	0.703470	113.72	119.17	99.99
0.00	0.000321	1.000000	34.0617	34.0617	0.000000	0.000000	0.800000	100.00	100.0	92.50
-0.25	0.000321	0.999920	34.0617	34.0589	-0.002733	-0.096530	0.896530	89.2	86.1	85.57
-0.50	0.000321	0.999840	34.0617	34.0562	-0.005467	-0.193061	0.993061	80.6	75.7	79.16
-0.75	0.000321	0.999759	34.0617	34.0535	-0.008200	-0.289591	1.089591	73.4	67.4	73.23
-1.00	0.000321	0.999679	34.0617	34.0507	-0.010934	-0.386121	1.186121	67.4	60.8	67.74
-1.50	0.000321	0.999519	34.0617	34.0453	-0.016401	-0.579182	1.379182	58.0	50.9	57.97
-2.00	0.000321	0.999358	34.0617	34.0398	-0.021868	-0.772242	1.572242	50.9	43.7	49.61
-2.50	0.000321	0.999198	34.0617	34.0343	-0.027334	-0.965303	1.765303	45.3	38.3	42.46
-3.00	0.000321	0.999037	34.0617	34.0289	-0.032801	-1.158364	1.958364	40.9	34.1	36.33
-3.50	0.000321	0.998877	34.0617	34.0234	-0.038268	-1.351424	2.151424	37.2	30.7	31.09
-4.00	0.000321	0.998716	34.0617	34.0179	-0.043735	-1.544485	2.344485	34.1	28.0	26.61
-4.50	0.000321	0.998556	34.0617	34.0125	-0.049202	-1.737545	2.537545	31.5	25.7	22.77

$V_{wf} = V_{wi} \times [1 + \beta (T_f - T_i)]$

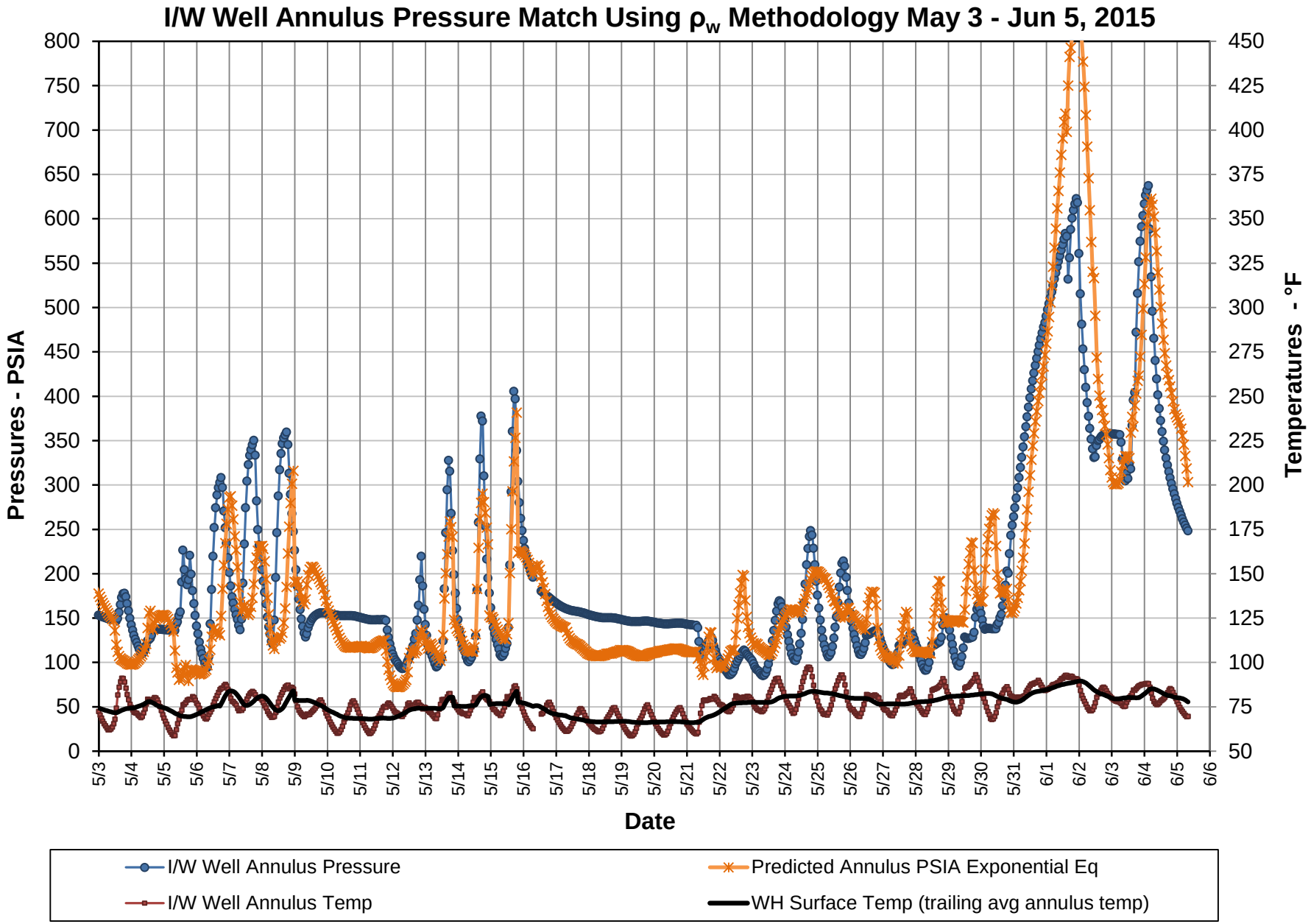
V_{wi} = Initial water volume, m^3

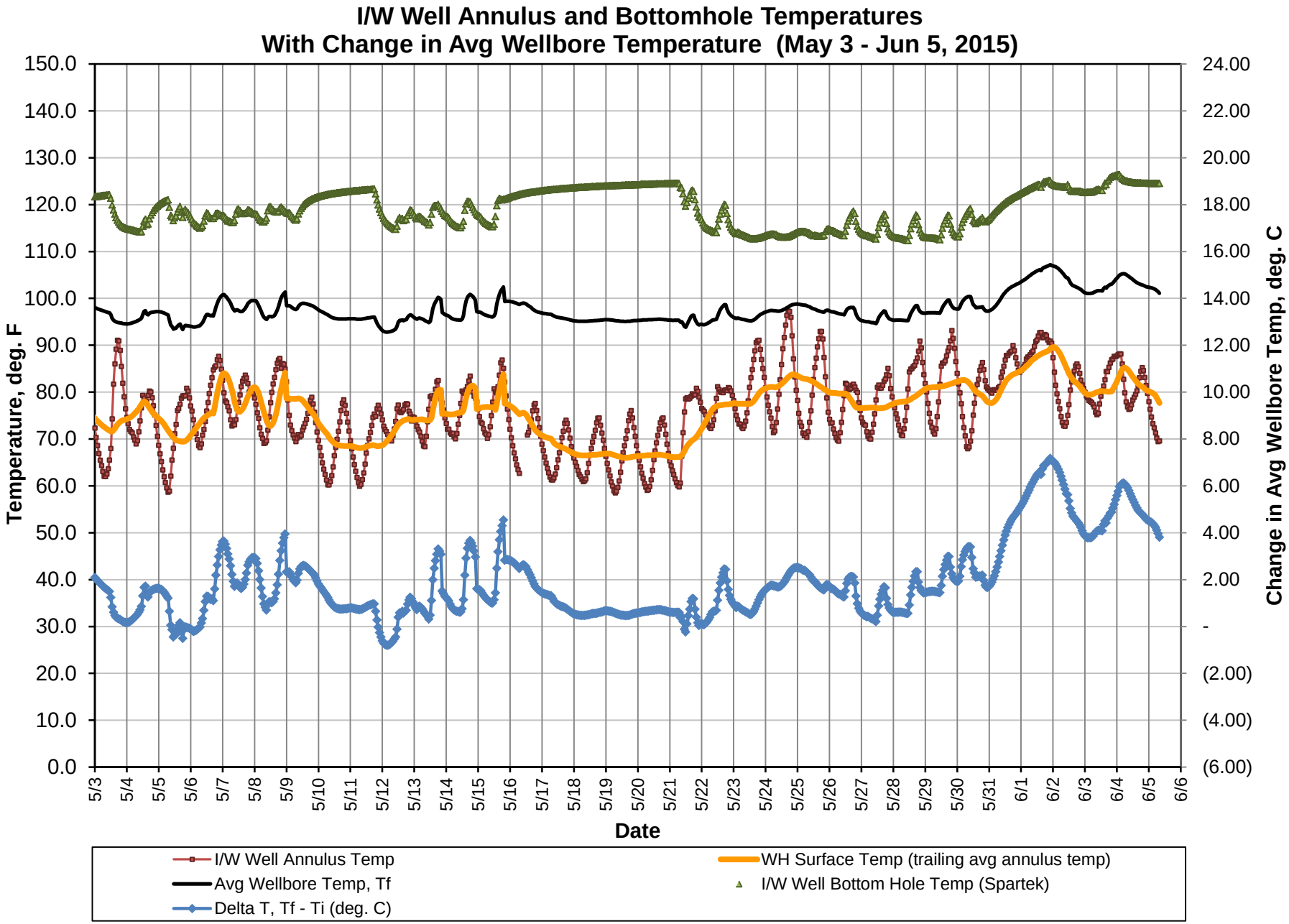
V_{wf} = Final water volume, m^3

Ti = Initial water temperature, ^0C

Tf = Final water temperature, ^0C

β = Volumetric temperature co-efficient of water, $m^3/m^3\ ^0C$


I/W Well Annulus Pressure Match Using ρw Methodology May 3 - Jun 5, 2015
Pressures - PSIA
Temperatures - °F
Date
I/W Well Annulus Pressure
Predicted Annulus PSIA Exponential Eq
I/W Well Annulus Temp
WH Surface Temp (trailing avg annulus temp)


I/W Well Annulus and Bottomhole Temperatures
With Change in Avg Wellbore Temperature (May 3 - Jun 5, 2015)
Temperature, deg. F
Change in Avg Wellbore Temp, deg. C
Date
I/W Well Annulus Temp
WH Surface Temp (trailing avg annulus temp)
Avg Wellbore Temp, Tf
I/W Well Bottom Hole Temp (Spartek)
Delta T, Tf - Ti (deg. C)