ANCHOR QEA

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MEMORANDUM

To:	Dana Bayuk Oregon Department of Environmental Quality(DEQ)	**Date:**	March 24, 2016
From:	John Renda, Anchor QEA, LLC	**Project:**	000029-02.41
Cc:	Henning Larsen and Dan Haffley (DEQ); Sean Sheldrake and Eva DeMaria (USEPA); Scott Coffey and Lance Peterson (CDM Smith); John Edwards, Ben Hung, Carl Stivers, and Jen Mott (Anchor QEA); Bob Wyatt (NW Natural); Patty Dost and Sarah Riddle (Pearl Legal Group); Myron Burr (Siltronic); James Peale and Kerry Gallagher (Maul Foster Alongi); Rob Ede (Hahn and Associates, Inc.)		
Re:	Response to DEQ's February 25, 2015 E-mail Regarding NW Natural HC&C System Hydraulic Data (May 2015 through October 2015)		

In a February 25, 2016 e-mail[1], the Oregon Department of Environmental Quality (DEQ) provided comments from DEQ and U.S. Environmental Protection Agency (USEPA) Region 10 on the Gasco hydraulic control and containment (HC&C) operational figures covering the period of May 12 through October 31, 2015. DEQ's request for written response is copied below:

> *DEQ requests that within 30-days of the date of this e-mail, NW Natural will provide written responses to Attachment 1, Specific Comment #2 (i.e., under the section of comments on the "May 12 to July 18, 2015 and the July, August, and September 2015" data packages); and Attachment 2, General Comment #1. The comments request detailed information regarding the adjustments being made to transducers based on manual measurements, including identification of installations where sensor adjustments have been made, and tabulations of the manual measurements, sensor readings, and the differences between the two. In addition, manual measurements should be added to the corresponding figures in the Figure 4-series for these wells. For clarification, DEQ's request for information regarding transducer calibration adjustments applies to the hydraulic data packages referenced in this e-mail, the November and December 2015 packages in review, and to future packages. Tabulations of transducer checks for all installations is also requested. As indicated in the comments, DEQ considers this an important technical question for NW Natural to address as it influences presentations and interpretations of hydraulic data, and potentially the conclusions regarding HC&C system performance.*

[1] E-mail from Dana Bayuk to John Renda on February 25, 2016, with DEQ comments and USEPA's (CDM Smith) comments attached.

Consistent with the HC&C System Operations and Maintenance Manual[2], transducers in monitoring wells, piezometers, and observation wells are checked monthly and calibrated if the difference between the manual measurement and the transducer reading is greater than or equal to ±0.05 foot. Each time the transducers are checked, the date, time, manual depth to water, manual elevation, and instrument reading are recorded on the transducer data field form. The difference in readings is calculated (Δ feet), and the transducer is calibrated if needed. Because figures have now been provided to DEQ from May 12, 2015, through January 31, 2016, the transducer data field forms for the period of May 2015 through February 2016 are provided as Attachment A. The attached Table 1, Calibration Adjustment Log, lists the monitoring wells, observation wells, and piezometers where transducer readings were greater than 0.05 foot and required calibration adjustments. Only wells that required calibration adjustment are shown in the table.

As requested, calibration adjustment information will be added to future HC&C operational figures beginning with the April 15, 2016 submittal, which will include the HC&C operational figures for February 2016.

[2] Anchor QEA, LLC, 2015. *Hydraulic Control and Containment System Operations and Maintenance Manual*. NW Natural Gasco Site. May 1, 2015.

TABLE

Table 1
Calibration Adjustment Log – May 2015 through February 2016

Well ID	Date	Δ feet	Notes
MW-01-55	07/21/15	+0.15	--
MW-01-55	09/15/15	+0.05	--
MW-01-55	02/04/16	+0.09	--
MW-01-82	07/21/15	+0.07	--
MW-01-82	09/15/15	+0.60	--
MW-01-82	10/13/15	+0.54	--
MW-01-82	11/06/15	-0.53	Replaced transducer
MW-03-56	07/21/15	+0.06	--
MW-03-56	08/18/15	-0.06	--
MW-03-56	11/06/15	+0.06	--
MW-04-57	07/21/15	+0.10	--
MW-04-57	10/12/15	+0.11	--
MW-04-57	11/06/15	-0.05	--
MW-04-57	12/08/15	+0.09	--
MW-04-57	02/02/16	-0.08	--
MW-05-175	07/20/15	+0.05	--
MW-05-32	07/20/15	+0.05	--
MW-16-45	05/12/15	-0.06	--
MW-16-45	07/21/15	+0.11	--
MW-16-45	08/18/15	-0.05	--
MW-16-45	12/08/15	+0.10	--
MW-16-45	02/02/16	-0.08	--
MW-16-65	08/18/15	-3.02	--
MW-16-65	10/13/15	+0.10	--
MW-16-65	02/02/16	-0.17	--
MW-18-30	10/13/15	-0.05	--
MW-18-30	12/08/15	+0.08	--
MW-19-125	05/11/15	-0.05	--
MW-19-125	07/21/15	+0.05	--
MW-19-125	12/08/15	+0.11	--
MW-19-125	02/02/16	-0.11	--
MW-19-180	07/21/15	+0.05	--
MW-19-180	12/08/15	+0.09	--
MW-19-180	01/11/16	-0.09	--
MW-19-22	07/21/15	+0.07	--
MW-19-22	12/08/15	+0.15	--
MW-19-22	01/11/16	-0.14	--
MW-21-115	05/12/15	-0.07	--
MW-21-115	07/21/15	+0.10	--
MW-21-165	07/21/15	+0.11	--
MW-21U	07/15/15	+0.06	--
MW-22-80	09/14/15	-0.06	--
MW-22-80	02/03/16	-0.08	--
MW-22U	07/15/15	-0.08	--
MW-23U	07/15/15	-0.05	--
MW-24-130	07/15/15	-0.05	--

Table 1
Calibration Adjustment Log – May 2015 through February 2016

Well ID	Date	Δ feet	Notes
MW-25L	02/03/16	+0.11	--
MW-26U	06/15/15	+0.05	--
MW-26U	11/03/15	+0.11	--
MW-26U	12/08/15	+0.13	--
MW-26U	02/02/16	+0.15	--
MW-27U	05/12/15	-0.06	--
MW-27U	07/21/15	+0.13	--
MW-27U	09/15/15	-0.11	--
MW-27U	12/08/15	+0.18	--
MW-28U	09/14/15	+0.09	--
MW-30U	05/12/15	+0.06	--
MW-30U	10/12/15	+0.05	--
MW-31U	07/21/15	+0.06	--
MW-31U	12/08/15	+0.05	--
MW-31U	02/04/16	+0.05	--
MW-34U	07/20/15	+0.07	--
MW-35U	06/15/15	-0.17	--
MW-35U	08/17/15	-0.05	--
MW-35U	12/07/15	+0.05	--
MW-35U	01/04/16	-0.10	--
MW-36U	02/02/16	+0.10	--
MW-37U	02/02/16	+0.06	--
MW-38U	07/15/15	-0.15	--
OW-01F	10/12/15	+0.05	--
OW-02F	07/20/15	+0.05	--
OW-02F	10/12/15	+0.05	--
OW-05F	07/21/15	+0.09	--
OW-05F	11/06/15	+0.05	--
OW-05F	02/02/16	-0.06	--
OW-07-17	05/11/15	-0.09	--
OW-07-17	06/16/15	+0.08	--
OW-07-17	07/21/15	+0.07	--
OW-07-17	08/18/15	-0.05	--
OW-08-15	07/21/15	+0.08	--
OW-09-25	07/21/15	+0.09	--
OW-09-25	08/18/15	-0.05	--
OW-09-25	11/06/15	-0.01	--
OW-09-25	02/04/16	-0.06	--
OW-10F	07/21/15	+0.09	--
OW-10F	02/04/16	-0.07	--
PW-03-85	07/20/15	+0.08	--
PW-03-85	10/12/15	+0.05	--
PW-03-85	01/11/16	-0.07	--
PZ1-20	07/15/15	-0.07	--
PZ1-5	07/15/15	-0.08	--
PZ1-5	11/03/15	+0.12	--

Table 1
Calibration Adjustment Log – May 2015 through February 2016

Well ID	Date	Δ feet	Notes
PZ1-5	02/03/16	-0.08	--
PZ2-20	06/15/15	-0.15	--
PZ2-20	07/15/15	+0.08	--
PZ2-43	07/15/15	-0.06	--
PZ2-43	11/03/15	-0.06	--
PZ2-5	07/15/15	-0.08	--
PZ2-5	10/12/15	+0.06	--
PZ2-77	07/15/15	-0.07	--
PZ2-77	12/08/15	+0.08	--
PZ4-12	06/15/15	-0.13	--
PZ4-12	07/15/15	-0.05	--
PZ4-12	12/08/15	-0.07	--
PZ4-41	07/15/15	-0.08	--
PZ5-20	08/27/15	-0.07	Replaced transducer
PZ5-20	09/14/15	+0.07	--
PZ5-20	02/04/16	+0.07	--
PZ5-5	07/20/15	+0.08	--
PZ5-5	09/14/15	+0.1	--
PZ5-5	02/04/16	+0.09	--
PZ5-55	07/20/15	+0.05	--
PZ5-55	09/14/15	+0.08	--
PZ5-55	01/11/16	+0.05	--
PZ5-85	07/20/15	+0.10	--
PZ5-85	09/14/15	+0.12	--
PZ5-85	01/11/16	+0.07	--
PZ5-85	02/04/16	+0.12	--
PZ6-115	07/20/15	+0.05	--
PZ6-115	09/14/15	+0.07	--
PZ6-115	02/04/16	+0.10	--
PZ6-150	07/20/15	+0.07	--
PZ6-150	09/14/15	+2.41	--
PZ6-150	02/04/16	+0.13	--
PZ6-5	07/20/15	+0.09	--
PZ6-5	09/14/15	+0.08	--
PZ6-5	02/04/16	+0.10	--
PZ6-50	07/20/15	+0.09	--
PZ6-50	09/14/15	+0.07	--
PZ6-50	10/12/15	-2.27	--
PZ6-50	02/04/16	+0.08	--
PZ7-100	07/20/15	+0.10	--
PZ7-100	09/14/15	+0.12	--
PZ7-100	01/11/16	+0.05	--
PZ7-150	07/20/15	+0.08	--
PZ7-150	09/14/15	+0.06	--
PZ7-150	10/12/15	+0.06	--
PZ7-5	07/20/15	+0.10	--

Table 1
Calibration Adjustment Log – May 2015 through February 2016

Well ID	Date	Δ feet	Notes
PZ7-5	09/14/15	+0.10	--
PZ7-5	10/12/15	-0.07	--
PZ7-50	07/20/15	+0.06	--
PZ7-50	09/14/15	+0.09	--
PZ7-50	02/04/16	-0.05	--
PZ8-5	07/15/15	+0.09	--
PZ8-5	09/14/15	+0.26	--
PZ8-5	10/12/15	-0.39	--
PZ8-5	01/11/16	-0.31	--
PZ8-5	02/04/16	+0.12	--
PZ8-50	09/14/15	+0.07	--
PZ8-50	02/04/16	-0.06	--
PZ9-110	07/20/15	+0.11	--
PZ9-110	09/14/15	+0.07	--
PZ9-150	07/20/15	+0.11	--
PZ9-150	09/14/15	+0.06	--
PZ9-5	07/20/15	+0.14	--
PZ9-5	09/14/15	+0.2	--
PZ9-5	10/12/15	-0.35	--
PZ9-5	11/03/15	+0.08	--
PZ9-5	01/11/16	+0.20	--
PZ9-5	02/04/16	+0.16	--
PZ9-50	07/20/15	+0.12	--
PZ9-50	02/04/16	+0.42	--
PZ9-75	07/20/15	+0.06	--
River 1 (U/S)	06/15/15	-0.13	--
River 1 (U/S)	07/15/15	+0.23	--
River 1 (U/S)	09/14/15	+0.07	--
River 1 (U/S)	12/08/15	-0.06	--
River 2 (D/S)	06/15/15	-0.12	--
River 2 (D/S)	07/15/15	-0.08	--
River 2 (D/S)	09/14/15	+0.09	--
River 2 (D/S)	12/08/15	-0.08	--
WS-08-33	06/15/15	+0.09	--
WS-08-59	07/20/15	+0.06	--
WS-12-161	07/20/15	+0.06	--
WS-12-161	01/04/16	-0.10	--
WS-21-112	07/15/15	+0.05	--
WS-47-183	05/11/15	-0.14	New transducer installed
WS-47-183	06/15/15	+0.07	--
WS-47-183	07/20/15	+0.14	--
WS-47-183	10/12/15	+0.12	--
WS-47-183	12/07/15	+0.10	--

ATTACHMENT A
TRANSDUCER DATA FIELD FORMS

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Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U	5/12/15	—	1007	22.38	15.61	6.77	6.80	+0.03	N	NA	—
MW-21-75	5/12/15	—	1005	23.03	17.41	5.62	5.65	+0.03	N	NA	—
MW-22-80	5/12/15	—	1018	35.89	30.23	5.66	5.67	+0.01	N	NA	—
MW-22U	5/12/15	—	1020	36.37	30.46	5.91	5.91	Ø	N	NA	—
MW-23-75	5/12/15	—	1012	34.78	29.17	5.61	5.63	+0.02	N	NA	—
MW-23U	5/12/15	—	1010	35.51	29.72	5.79	5.80	+0.01	N	NA	—
MW-24-70	5/12/15	—	0932	33.74	27.88	5.86	5.88	+0.02	N	NA	—
MW-24-130	5/12/15	—	0934	33.66	28.14	5.52	5.52	Ø	N	NA	—
MW-25L	5/12/15	—	1014	34.12	28.60	5.52	5.51	-0.01	N	NA	—
MW-26U	5/12/15	—	0909	33.93	27.79	6.14	6.15	+0.01	N	NA	—
MW-27L	5/12/15	—	0904	34.16	28.63	5.53	5.57	+0.04	N	NA	—
MW-28U	5/12/15	—	0850	34.73	29.09	5.64	5.65	+0.01	N	NA	—
MW-28L	5/12/15	—	0848	34.87	29.29	5.58	5.58	Ø	N	NA	—
MW-29U	5/12/15	—	0816	34.84	28.81	6.03	6.07	+0.04	N	NA	—
MW-30U	5/12/15	—	0819	30.46	24.52	5.94	6.00	+0.06	N	5.95	—
MW-31L	5/12/15	—	0837	28.53	22.88	5.65	5.65	Ø	N	NA	—
MW-32U	5/12/15	—	0835	28.48	22.59	5.89	5.92	+0.03	N	NA	—
MW-37U	5/12/15	—	0902	34.90	28.85	6.05	6.04	-0.01	N	NA	—
MW-38U	5/12/15	—	0854	34.74	28.83	5.91	5.92	+0.01	N	NA	—
PW-4U	5/12/15	—	0845	31.01	25.10	5.91	5.95	+0.04	N	NA	—
PW-4L	5/12/15	—	0843	30.27	24.68	5.59	5.61	+0.02	N	NA	—
PW-5U	5/12/15	—	0857	34.82	28.95	5.87	5.82	-0.05	N	5.87	—
PW-5L	5/12/15	—	0859	34.19	28.67	5.52	5.55	+0.03	N	NA	—
PW-6U	5/12/15	—	0914	33.93	28.05	5.88	5.89	+0.01	N	NA	—
PW-6L	5/12/15	—	0916	33.32	27.85	5.47	5.47	Ø	N	NA	—
PW-7-93	5/12/15	—	0929	26.81	21.34	5.47	5.14	-0.33	N	5.47	—
PW-8-39	5/12/15	—	1026	25.75	19.13	6.62	6.61	-0.01	N	NA	—
PW-8-68	5/12/15	—	1024	27.18	21.44	5.74	5.77	+0.03	N	NA	—
PW-9-92	5/12/15	—	1022	35.84	30.14	5.70	5.71	+0.01	N	NA	—
PW-10L	5/12/15	—	1016	33.40	27.85	5.55	5.58	+0.03	N	NA	—
PW-12U	5/12/15	—	0840	28.58	22.73	5.85	5.87	+0.02	N	NA	—
PW-13U	5/12/15	—	0852	34.60	28.77	5.83	5.82	-0.01	N	NA	—
PW-14U	5/12/15	—	0906	34.68	28.85	5.83	5.86	+0.03	N	NA	—
PW-15U	5/12/15	—	0923	27.01	21.20	5.81	5.86	+0.05	N	5.81	—
PW-16U	5/12/15	—	0919	28.13	22.59	5.54	5.59	+0.05	N	5.55	—
PZ1-5	5/12/15	—	0958	35.98	29.08	6.90	6.89	-0.01	N	NA	—
PZ1-20	5/12/15	—	1000	36.34	30.07	6.27	6.28	+0.01	N	NA	—
PZ1-50	5/12/15	—	1002	37.58	32.03	5.55	5.53	-0.02	N	NA	—
PZ2-5	5/12/15	—	0949	37.83	32.41	5.42	5.44	+0.02	N	NA	—
PZ2-20	5/12/15	—	0951	37.81	32.25	5.56	5.56	Ø	N	NA	—
PZ2-43	5/12/15	—	0955	37.87	32.36	5.51	5.53	+0.02	N	NA	—
PZ2-77	5/12/15	—	0953	38.55	33.06	5.49	5.50	+0.01	N	NA	—
PZ4-12	5/12/15	—	0937	34.59	28.94	5.65	5.65	Ø	N	NA	—
PZ4-41	5/12/15	—	0939	34.48	29.09	5.39	5.39	Ø	N	NA	
River 1 (U/S)	5/12/15	—	0941	34.41	28.98	5.43	5.39	-0.04	N	5.43	—
River 2 (D/S)	5/12/15	—	0941	34.39	28.98	5.43	5.43	Ø	N	NA	—

Technicain: B. Johnson / D. Leffler Water Level Meter #: 23294

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

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Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

3/31/15

					Calibration Check						
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-1-55	5/12/15	1116	1114	35.64	29.59		29.62	+0.03	N	N	-1:30
MW-1-82	5/12/15	1121	1119	35.95	29.72		29.71	-0.01	Y	29.68	+5:30
MW-3-56	5/12/15	1150	1148	34.02	27.62		27.63	+0.01	N	N	-2:54
MW-4-57	5/11/15	1225	1219	34.48	28.87	–	28.91	0.04	N	N	-1:30
MW-16-45	5/12/15	1157	1156	33.10	26.43		26.37	-0.06	N	26.42	+0:32
MW-16-65	5/11/15	1335	1332	33.13	26.73	–	26.74	0.01	N	N	-3:17
MW-18-30	5/12/15	1223	1221	34.18	28.81		28.79	-0.02	N	N	+1:04
MW-18-125	5/11/15	1232	1229	34.57	27.50	–	27.56	0.04	N	N	+0:16
MW-18-180	5/11/15	1241	1232	33.81	26.75	–	26.74	0.01	N	N	-1:01
MW-19-22	5/11/15	1206	1202	29.72	21.17	–	21.18	0.01	N	N	-3:14
MW-19-125	5/11/15	1211	1204	29.33	22.51	–	22.46	0.05	N	22.50	-4:19
MW-19-180	5/11/15	1217	1209	29.73	22.68	–	22.67	0.01	N	N	-3:53
MW-21-115	5/12/15	1138	1136	23.35	16.82		16.75	-0.07	Y	16.78	-5:13
MW-21-165	5/12/15	1143	1141	23.06	16.30		16.27	-0.03	N	N	-0:07
MW-27U	5/12/15	1210	1208	34.18	27.67		27.61	-0.06	Y	27.65	-4:11
MW-31U	5/11/15	1201	1154	28.37	21.74	–	21.72	0.02	N	N	-3:34
OW-5F	5/11/15	1120	1113	34.70	27.95	–	27.96	0.01	N	N	-2:02
OW-7-17	5/11/15	1345	1340	26.42	15.35	–	15.26	0.09	N	15.36	-1:07
OW-8-15	5/11/15	1357	1348	26.31	14.94	–	14.92	0.02	N	N	-0:39
OW-9-25	5/11/15	1358	1354	35.29	25.64	–	25.64	0.00	Y	25.64	-8:56
OW-10F	5/11/15	1407	1403	33.75	24.93	–	24.93	0.00	N	N	-0:41
PZ5-5	5/11/15	1430	1424	16.46	7.37	–	7.39	0.02	N	N	-3:42
*1 PZ5-20	5/11/15	1435	1431	16.20	8.52	–	8.49	0.03	N	N	-0:49
PZ5-55	5/11/15	1439	1435	16.25	9.87	–	9.86	0.01	N	N	-1:25
PZ5-85	5/11/15	1443	1435	16.38	10.02	–	10.02	0.00	Y	10.04	+5:35
PZ6-5	5/11/15	1457	1450	14.72	8.35	–	8.37	0.02	N	N	+0:45
PZ6-50	5/11/15	1456	1452	14.88	8.52	–	8.53	0.01	N	N	-2:28
PZ6-115	5/11/15	1500	1500	13.79	7.46	–	7.43	0.03	N	N	-3:21
PZ6-150	5/11/15	1505	1459	14.15	7.84	–	7.83	0.01	N	N	-3:15
*1 PZ7-5	5/11/15	1511	1509	16.36	8.26	–	8.28	0.02	N	N	+0:30
PZ7-50	5/11/15	1515	1512	16.40	10.10	–	10.10	0.00	N	N	-0:23
PZ7-100	5/11/15	1520	1516	16.13	9.82	–	9.84	0.02	N	N	-0:42
PZ7-150	5/11/15	1523	1526	15.50	9.19	–	9.15	0.04	Y	9.22	+5:19
*1 PZ8-5	5/11/15	1415	1415	12.21	5.55	–	5.52	0.03	N	N	+0:28
PZ8-50	5/11/15	1421	1417	12.45	6.09	–	6.08	0.01	N	N	-0:02

Technicain: B. Johnson/Laffoon Water Level Meter #: 232494

*1 Said device failed when logging in with Rugged Reader. Seems Inc. Hardware reset [illegible]

ANCHOR QEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

			Calibration Check								
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
Elevation Wells											
MW-33U	5/12/15	—	0831	27.66	21.70	5.96	5.98	+0.02	N	NA	—
MW-34L	5/12/15	—	0829	26.91	21.16	5.75	5.76	+0.01	N	NA	—
MW-35U	5/11/15	—	0922	36.45	31.87	4.58	4.55	0.03	N	4.60	-0:36
MW-36U	5/11/15	—	1015	37.93	32.11	5.82	5.83	+0.01	N	NA	—
WS-12-125	5/11/15	—	1011	34.01	27.76	6.25	6.28	+0.03	N	NA	—
WS-21-112	5/11/15	—	1026	34.69	28.52	6.17	6.20	+0.03	N	NA	—
WS-26-86	5/11/15	—	1024	34.43	28.13	6.30	6.34	+0.04	N	NA	—
PW-1U	5/11/15	—	1019	37.5	48.92	-11.42	-11.39	+0.03	N	NA	—
PW-1L	5/11/15	—	1021	37.32	33.62	3.70	4.56	+0.86	N	5.71	—
PW-2U	5/11/15	—	1028	36.7	33.17	3.52	3.53	+0.01	NA	NA	—
PW-2L	5/11/15	—	1031	37.14	30.14	7.00	6.75	-0.25	NA	6.22	—
PW-3U	5/12/15	—	0822	27.52	21.63	5.89	5.93	+0.04	N	NA	—
PW-3-118	5/12/15	—	0832	27.01	21.36	5.65	5.40	-0.25	N	5.66	—
PW-11U	5/12/15	—	0826	26.78	20.89	5.89	5.90	+0.01	N	NA	—
Depth to Water Wells											
MW-5-32	5/11/15	1138	1130	27.72	22.24	—	22.23	0.01	N	N	-4:05
MW-5-175	5/11/15	1143	1135	27.12	20.15	—	20.12	0.03	N	N	-2:34
MW-34U	5/11/15	1149	1140	26.81	21.49	—	21.49	0.00	N	N	-3:52
OW-1F	5/11/15	0943	0935	37.60	30.15	—	30.13	0.02	N	N	-2:38
OW-2F	5/11/15	0936	0929	36.86	29.58	—	29.55	0.03	N	N	-2:48
PW-3-85	5/11/15	1155	1158	26.72	20.38	—	20.35	0.03	N	N	-3:52
WS-8-33	5/11/15	0955	0947	34.33	26.72	—	26.58	0.14	N	N	-4:04
WS-8-59	5/11/15	1002	0959	34.21	27.99	—	27.99	0.00	N	N	-0:33
WS-12-161	5/11/15	1006	1003	34.02	27.91	—	27.89	0.02	N	N	-2:07
PZ9-5	5/11/15	1533	1531	12.09	5.91	—	5.92	0.01	N	N	+1:57
PZ9-50	5/11/15	1539	1536	11.62	5.30	—	5.30	0.00	N	N	+2:07
PZ9-75	5/11/15	1555	1550	11.57	5.33		5.31	0.02	N	N	+2:44
PZ9-110	5/11/15	1545	1543	12.19	5.95	—	5.95	0.00	N	N	-3:50
PZ9-150	5/11/15	1559	1556	11.33	5.57	—	5.59	0.02	N	N	+0:25
WS-47-183	5/11/15	—	0910	—	—	—	—	—	Y	27.55	0:00

Technicain: Ben Johnson Water Level Meter #: 232494

Notes: Level at PW-3-85 taken at old electrical port.

New trans in WS-47-183
- Trans #: 390304 30psi
- Cable #: 241594 50'

3/11/15 @ 1200 am → present

ANCHOR OEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U	6/15/15	—	1339	22.38	17.51	4.87	4.84	0.03	—	N	—
MW-21-75	6/15/15	—	1341	23.03	17.81	5.22	5.19	0.03	—	N	—
MW-22-80	6/15/15	—	1356	35.89	31.08	4.81	4.78	0.03	—	N	—
MW-22U	6/15/15	—	1359	36.37	30.74	5.63	5.60	0.03	—	N	—
MW-23-75	6/15/15	—	1345	34.78	29.75	5.03	5.04	0.01	—	N	—
MW-23U	6/15/15	—	1344	35.51	30.22	5.29	5.26	0.03	—	N	—
MW-24-70	6/15/15	—	1209	33.74	29.12	4.62	4.61	0.01	—	N	—
MW-24-130	6/15/15	—	1203	33.66	27.76	5.90	5.89	0.01	—	N	—
MW-25L	6/15/15	—	1403	34.12	29.50	4.62	4.58	0.04	—	N	—
MW-26U	6/15/15	—	1132	33.93	28.91	5.01	5.06	0.05	—	4.97	—
MW-27L	6/15/15	—	1129	34.16	26.06	8.10	6.10	0.00	—	N	—
MW-28U	6/15/15	—	1113	34.73	28.61	6.12	6.12	0.00	—	N	—
MW-28L	6/15/15	—	1112	34.87	28.90	6.17	6.18	0.01	—	N	—
MW-29U	6/15/15	—	1107	34.84	31.87	2.97	2.96	0.01	—	N	—
MW-30U	6/15/15	—	1105	30.46	26.57	3.89	3.87	0.02	—	N	—
MW-31L	6/15/15	—	1049	28.53	22.12	6.41	6.38	0.03	—	N	—
MW-32U	6/15/15	—	1051	28.48	24.89	3.59	3.60	0.01	—	N	—
MW-37U	6/15/15	—	1127	34.90	29.82	5.08	5.09	0.01	—	N	—
MW-38U	6/15/15	—	1116	34.74	30.07	4.67	4.66	0.01	—	N	—
PW-4U	6/15/15	—	1043	31.01	38.46	-7.45	-7.48	0.03	—	N	—
PW-4L	6/15/15	—	1046	30.27	23.77	6.5	6.45	0.05	—	N	—
PW-5U	6/15/15	—	1122	34.82	39.40	-4.58	-4.69	0.11	—	N	—
PW-5L	6/15/15	—	1125	34.19	28.11	6.08	6.13	0.05	—	N	—
PW-6U	6/15/15	—	1157	33.93	35.47	-1.54	-1.56	0.02	—	N	—
PW-6L	6/15/15	—	1159	33.32	27.47	5.85	5.87	0.02	—	N	—
PW-7-93	6/15/15	—	1204	26.81	30.27	-3.46	-3.44	0.02	—	N	—
PW-8-39	6/15/15	—	1351	25.75	22.96	2.79	2.77	0.02	—	N	—
PW-8-68	6/15/15	—	1349	27.18	33.15	-5.97	-5.91	0.06	—	N	—
PW-9-92	6/15/15	—	1353	35.84	32.14	3.70	3.64	0.06	—	N	—
PW-10L	6/15/15		1401	33.40	41.86	8.46	-8.42	0.06	—	N	—
PW-12U	6/15/15	—	1048	28.58	32.03	-3.45	-3.48	0.03	—	N	—
PW-13U	6/15/15	—	1113	34.60	45.13	-10.53	-10.51	0.02	—	N	—
PW-14U	6/15/15	—	1131	34.68	32.75	1.93	1.97	0.04	—	N	—
PW-15U	6/15/15	—	1207	27.01	26.22	0.81	0.79	0.01	—	N	—
PW-16U	6/15/15	—	1210	28.13	35.47	1.69	-1.66	0.03	—	N	—
PZ1-5	6/15/15	—	1330	35.98	28.43	7.55	7.52	0.03	—	N	—
PZ1-20	6/15/15	—	1332	36.34	29.81	6.53	6.54	0.01	—	N	—
PZ1-50	6/15/15	—	1334	37.58	32.46	5.12	5.11	0.01	—	N	—
PZ2-5	6/15/15	—	1372	37.83	32.01	5.82	5.79	0.03	—	N	—
PZ2-20	6/15/15	—	1324	37.81	31.99	5.82	5.67	0.15	—	5.82	—
PZ2-43	6/15/15	—	1327	37.87	32.40	5.47	5.45	0.02	—	N	—
PZ2-77	6/15/15	—	1329	38.55	33.17	5.38	5.36	0.02	—	N	—
PZ4-12	6/15/15	—	1214	34.59	28.28	6.31	6.18	0.13	—	6.25	—
PZ4-41	6/15/15	—	1219	34.48	28.61	5.87	5.84	0.03	—	N	—
River 1 (U/S)	6/15/15	—	1220	34.41	28.28	6.13	6.00	0.13	—	6.09	—
River 2 (D/S)	6/15/15	—	1220	34.39	—	6.13	6.01	0.12	—	6.09	—

Technicain: Water Level Meter #:

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-1-55	6-16-15	1137	1135	35.64	29.64		29.65	+0.01	N	—	-2:07
MW-1-82		1143	1141	35.95	30.20		30.20	Ø	N	—	-6:23
MW-3-56		1208	1207	34.02	28.81		28.80	-0.01	N	—	-3:17
MW-4-57		0843	0841	34.48	27.92		27.94	+0.02	N	—	-2:19
MW-16-45		1320	1318	33.10	26.76		26.79	+0.03	N	—	+0:10
MW-16-65		1314	1313	33.13	28.54		28.53	-0.01	N	—	-3:37
MW-18-30		1336	1334	34.18	26.30		26.33	+0.03	N	—	+1:31
MW-18-125		1042	1040	34.57	27.45		27.42	-0.03	N	—	-6:08
MW-18-180		1047	1045	33.81	26.44		26.42	-0.02	N	—	-1:07
MW-19-22		0849	0847	29.72	21.67		21.69	+0.02	N	—	-3:28
MW-19-125		0853	0851	29.33	21.49		21.49	Ø	N	—	-3:41
MW-19-180		0856	0855	29.73	21.73		21.72	-0.01	N	—	-4:10
MW-21-115		1154	1152	23.35	16.85		16.87	+0.02	N	—	-0:24
MW-21-165		1202	1201	23.06	16.13		16.12	-0.01	N	—	-0:10
MW-27U		1329	1327	34.18	29.55		29.51	-0.04	N	—	-0:21
MW-31U		0904	0903	28.37	20.64		20.65	+0.01	N	—	-3:51
OW-5F		0955	0953	34.70	27.88		27.91	+0.03	N	—	-2:11
OW-7-17		1059	1057	26.42	15.54		15.62	+0.08	N	15.53	-1:40
OW-8-15		1111	1109	26.31	15.39		15.39	Ø	N	—	-6:34
OW-9-25		1117	1115	35.29	25.80		25.80	Ø	N	—	-4:28
OW-10F		1127	1125	33.75	24.97		24.97	Ø	N	—	-1:05
PZ5-5	6/15/15	1421	1417	16.46	7.57	—	7.60	0.03	N	N	-3:57
*1 PZ5-20	6/15/15	1426	1423	16.20	4.81	—	4.83	0.02	N	N	-0:23
PZ5-55	6/15/15	1429	1427	16.25	11.14	—	11.14	0.00	N	N	-0:52
*2 PZ5-85	6/15/15	1432	1431	16.38	11.24	—	11.27	0.03	N	N	+0:59
PZ6-5	6/15/15	1438	1437	14.72	8.76	—	8.80	0.04	N	N	+1:30
PZ6-50	6/15/15	1441	1439	14.88	10.84	—	10.88	0.04	N	N	-2:57
PZ6-115	6/15/15	1443	1447	13.79	8.40	—	8.42	0.02	N	N	+5:18
PZ6-150	6/15/15	1446	1441	14.15	8.58		8.58	0.00	N	N	-2:48
*1 PZ7-5	6/15/15	1453	1452	16.36	8.39	—	8.43	0.04	N	N	+1:10
PZ7-50	6/15/15	1456	1454	16.40	12.05	—	12.07	0.02	N	N	+0:14
PZ7-100	6/15/15	1459	1457	16.13	10.69	—	10.72	0.03	N	N	-0:07
PZ7-150	6/15/15	1502	1501	15.50	9.96	—	9.97	0.01	N	N	+1:06
*1 PZ8-5	6/15/15	1410	1411	12.21	5.98	—	5.96	0.02	N	N	-1:08
PZ8-50	6/15/15	1415	1413	12.45	7.60	—	7.63	0.03	N	N	-0:38

Technicain: Ben G + Doug L Water Level Meter #:

*1 Missing - Hardware reset, Battery dead or hardware failure.

*2 Test name missing date

ANCHOR QEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
Elevation Wells											
MW-33U	6/15/15	—	1055	27.66	23.41	4.25	4.25	0.00	—	N	—
MW-34L	6/15/15	—	1057	26.91	20.64	6.27	6.27	0.00	—	N	—
MW-35U	6/15/15	—	0900	36.45	30.48	5.97	5.80	0.17	N	5.96	-0:16
MW-36U	6/15/15	—	1004	37.93	31.45	6.48	6.46	-0.02	—	—	—
WS-12-125	6/15/15	—	0942	34.01	27.20	6.81	6.82	+0.01	—	—	—
WS-21-112	6/15/15	—	0959	34.69	28.28	6.41	6.43	+0.02	—	—	—
WS-26-86	6/15/15	—	0955	34.43	27.74	6.69	6.71	+0.02	—	—	—
PW-1U	6/15/15	—	0947	37.5	34.61	-17.11	-17.07	+0.04	—	—	—
PW-1L	6/15/15	—	0951	37.32	43.65	-6.33	-7.14	-0.81	N	-6.35	—
PW-2U	6/15/15	—	1006	36.7	32.72	3.98	4.02	+0.04	—	—	—
PW-2L	6/15/15	—	1008	37.14	30.65	6.49	6.45	-0.04	—	—	—
PW-3U	6/15/15	—	1003	27.52	37.26	-10.36	-10.31	0.05	—	N	—
PW-3-118	6/15/15	—	1053	27.01	20.80	6.21	6.09	0.12	N	6.24	—
PW-11U	6/15/15	—	1059	26.78	35.32	-8.54	-8.51	0.03	—	N	—
Depth to Water Wells											
MW-5-32	6/16/15	0942	0940	27.72	21.14		21.14	Ø	N	—	-4:23
MW-5-175	6/16/15	0937	0935	27.12	19.39		19.37	-0.02	N	—	-2:47
MW-34U	6/16/15	0927	0925	26.81	20.50		20.51	+0.01	N	—	-4:09
OW-1F	6/15/15	0937	0935	37.60	30.04		30.01	-0.03	N	—	-3:54
OW-2F	6/15/15	0921	0918	36.86	29.53		29.51	-0.02	N	—	-3:01
PW-3-85	6/16/15	0916	0915	26.72	19.32		19.32	Ø	Y *	19.34	+6:58
WS-8-33	6/15/15	0923	0920	34.33	26.56	—	26.65	0.09	N	26.57	-3:41
WS-8-59	6/15/15	0929	0926	34.21	27.16	—	27.13	0.03	N	N	-0:28
WS-12-161	6/15/15	0937	0934	34.02	27.48	—	27.46	0.02	N	N	-2:26
PZ9-5	6/15/15	1510	1510	12.09	6.20	—	6.21	0.01	N	N	+2:44
PZ9-50	6/15/15	1513	1513	11.62	6.63	—	6.64	0.01	N	N	+2:50
PZ9-75	6/15/15	1520	1521	11.57	6.22	—	6.22	0.00	N	N	~~+3:04~~ +3:02
PZ9-110	6/15/15	1514	1510	12.19	6.79	—	6.82	0.03	N	N	-3:47
PZ9-150	6/16/15	1523	1521	11.33	6.30	—	6.32	0.02	N	N	-0:04
WS-47-183	6/15/15	0928	0926	—	26.55	—	26.62	+0.07	N	26.57	+0:46

Technicain: Ben J Water Level Meter #: 221523

Notes: Level at PW-3-85 taken at old electrical port.

Start 5/18/15 1200 Am

* - time > 5 min

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)	
MW-21U				22.38								
MW-21-75				23.03								
MW-22-80				35.89								
MW-22U				36.37								
MW-23-75				34.78								
MW-23U				35.51								
MW-24-70				33.74								
MW-24-130				33.66								
MW-25L				34.12								
MW-26U	7/15/15	1535	1533	33.93	27.56	6.37	6.34	-0.03	Y	6.30	-0:16	N-1
MW-27L		1519	1518	34.16	28.46	5.70	5.72	+0.02	Y	5.64	-1:09	
MW-28U		1431	1429	34.73	28.80	5.93	5.91	-0.02	Y	5.86	-0:58	
MW-28L		1407	1405	34.87	28.93	5.94	5.92	-0.02	Y	5.85	+3:34	
MW-29U		1402	1359	34.84	28.36	6.48	6.46	-0.02	Y	6.40	-5:09	
MW-30U		1351	1349	30.46	24.05	6.41	6.37	-0.04	Y	6.33	+1:12	N-1
MW-31L		1138	1136	28.53	21.78	6.75	6.78	+0.03	Y	6.72	-0:09	N-1
MW-32U		1148	1146	28.48	21.50	6.98	6.98	Ø	Y	6.86	+1:20	
MW-37U		1511	1509	34.90	28.59	6.31	6.27	-0.04	Y	6.23	-0:47	N-1
MW-38U		1449	1447	34.74	28.54	6.34	6.19	-0.15	Y	6.12	-3:08	
PW-4U		1114	1110	31.01	23.81	7.20	7.23	+0.03	Y	7.11	-4:59	N-1
PW-4L		1120	1118	30.27	23.39	6.88	6.91	+0.03	Y	6.79	-0:50	
PW-5U		1459	1457	34.82	28.67	6.15	5.99	-0.16	Y	6.08	-0:44	
PW-5L		1505	1503	34.19	28.54	5.65	5.72	+0.07	Y	5.61	-0:55	
PW-6U				33.93								
PW-6L				33.32								
PW-7-93				26.81								
PW-8-39				25.75								
PW-8-68				27.18								
PW-9-92				35.84								
PW-10L				33.40								
PW-12U	7/15/15	1128	1126	28.58	21.49	7.09	7.11	+0.02	Y	7.00	-2:39	N-1
PW-13U	7/15/15	1438	1436	34.60	28.42	6.18	6.15	-0.03	Y	6.10	-0:41	N-1
PW-14U			1524	34.68	28.65	6.03	6.05	+0.02	Y	5.98	-0:04	N-1
PW-15U				27.01								
PW-16U				28.13								
PZ1-5				35.98								
PZ1-20				36.34								
PZ1-50				37.58								
PZ2-5				37.83								
PZ2-20				37.81								
PZ2-43				37.87								
PZ2-77				38.55								
PZ4-12				34.59								
PZ4-41				34.48								
River 1 (U/S)				34.41								
River 2 (D/S)				34.39								

Technicain: Water Level Meter #:

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

N-1 → updated firmware

Date/Seconds/Temp/Level/Cond

orthopedic + fra
Tebound ortl

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U	7/15/15	0917	0907	22.38	14.09	8.29	8.23	0.06	Y	8.15	-5:20
MW-21-75	7/15/15	0906	0901	23.03	15.39	7.64	7.60	0.04	Y	7.52	-5:04
MW-22-80	7/15/15	1030	1025	35.89	28.85	7.04	7.00	0.04	Y	6.91	-0:06
MW-22U	7/15/15	1019	1009	36.37	28.85	7.52	7.44	0.08	Y	7.37	-5:37
MW-23-75	7/15/15	0930	0924	34.78	27.35	7.43	7.41	0.02	Y	7.29	-1:21
MW-23U	7/15/15	0940	0936	35.51	27.78	7.73	7.68	0.05	Y	7.60	0:00
MW-24-70	7/15/15	1414	1408	33.74	27.40	6.34	6.37	0.03	Y	6.23	-1:23
MW-24-130	7/15/15	1429	1425	33.66	27.82	5.84	5.79	0.05	Y	5.69	+3:38
MW-25L	7/15/15	0956	0951	34.12	27.03	7.08	7.10	0.02	Y	6.96	-1:02
MW-26U				33.93							
MW-27L				34.16							
MW-28U				34.73							
MW-28L				34.87							
MW-29U				34.84							
MW-30U				30.46							
MW-31L				28.53							
MW-32U				28.48							
MW-37U				34.90							
MW-38U				34.74							
PW-4U				31.01							
PW-4L				30.27							
PW-5U				34.82							
PW-5L				34.19							
*3 PW-6U	7/15/15	1401	1354	33.93	27.35	5.97	5.94	0.03	Y	5.82	-4:54
PW-6L	7/15/15	1348	1342	33.32	27.39	6.54	6.50	0.04	Y	6.64	-3:35
PW-7-93	7/15/15	1154	1159	26.81	20.15	6.66	6.64	0.02	Y	7	-1:09
PW-8-39	7/15/15	1116	1115	25.75	17.99	7.76	7.70	0.06	Y	7.62	+3:59
PW-8-68	7/15/15	1127	1122	27.18	20.37	6.81	6.78	0.03	Y	6.65	-0:41
PW-9-92	7/15/15	1042	1037	35.84	28.86	6.98	6.96	0.02	Y	6.84	-0:04
PW-10L	7/15/15	1007	1002	33.40	26.28	7.12	7.10	0.02	Y	6.96	+1:11
PW-12U				28.58							
PW-13U				34.60							
PW-14U				34.68							
*2*1 PW-15U	7/15/15	1141	1016	27.01	19.94	7.07	6.98	0.09	Y	6.91	-82:19
*2*1 PW-16U	7/15/15	1101	0954	28.13	21.59	6.54	6.96	0.42	Y	6.86	62:53
PZ1-5	7/15/15	1508	1504	35.98	28.46	7.52	7.44	0.08	Y	7.41	+0:07
PZ1-20	7/15/15	1457	1458	36.34	29.70	6.64	6.57	0.07	Y	6.52	+1:00
PZ1-50	7/15/15	1445	1440	37.58	31.92	5.66	5.62	0.04	Y	5.53	-0:46
PZ2-5	7/15/15	1550	1545	37.83	32.16	5.67	5.59	0.08	Y	5.58	+0:22
PZ2-20	7/15/15	1539	1536	37.81	32.02	5.79	5.87	0.08	Y	5.70	+0:48
PZ2-43	7/15/15	1519	1515	37.87	32.25	5.62	5.56	0.06	Y	5.51	+0:12
PZ2-77	7/15/15	1529	1524	38.55	32.97	5.58	5.51	0.07	Y	5.49	-0:10
PZ4-12	7/15/15	1607	1602	34.59	28.59	6.00	5.95	0.05	Y	5.95	-0:46
PZ4-41	7/15/15	1558	1548	34.48	28.83	5.65	5.57	0.08	Y	5.59	-5:20
River 1 (U/S)	7/15/15	1617	1611	34.41	28.79	5.62	5.85	0.23	Y	5.91	-1:23
River 2 (D/S)		1627	1622	34.39	28.39	6.08	5.97	0.08	Y	6.04	+2:49

Technicain: Ben Johnson Water Level Meter #: 1537275

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'. *3 PW-6U drop pipe too sticky
*1 Warning message battery + time *2 updated Firmware wouldn't sync
Date / Cable / Tape / level / Cond -0.10'

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-1-55	7/21/15	1334	1329	35.64	29.68		29.83	0.15	Y	29.86	-2:28
MW-1-82	7/21/15	1341	1336	35.95	30.09		30.16	0.07	Y	30.24	-0:34
MW-3-56	7/21/15	1421	1415	34.02	28.05	—	28.11	0.06		28.22	-3:29
MW-4-57	7/21/15	0950	0941	34.48	27.67	—	27.77	0.10	Y	28.80	-3:00
MW-16-45	7/21/15	1042	1039	33.10	26.17		26.28	0.11	Y	26.29	0:09
MW-16-65	7/21/15	1034	1027	33.13	26.21	—	26.23	0.02	Y	26.35	-3:47
MW-18-30	7/21/15	1132	1132	34.18	26.53	—	26.55	0.02	Y	26.61	+2:08
MW-18-125	7/21/15	1115	1113	34.57	27.83	—	27.84	0.01	Y	27.95	-0:22
MW-18-180	7/21/15	1122	1119	33.81	27.06	—	27.08	0.02		27.21	-3:25
MW-19-22	7/21/15	1014	1007	29.72	22.05	—	22.12	0.07	Y	22.15	-6:00
MW-19-125	7/21/15	1006	0958	29.33	22.23		22.28	0.05	Y	22.35	-3:53
MW-19-180	7/21/15	0958	0951	29.73	22.49	—	22.54	0.05	Y	22.61	-4:17
MW-21-115	7/21/15	1401	1358	23.35	17.49	—	17.59	0.10	Y	17.62	-0:36
MW-21-165	7/21/15	1409	1405	23.06	17.15	—	17.24	0.01	Y	17.30	-2:25
MW-27U	7/21/15	1104	1101	34.18	27.38	—	27.51	0.13	Y	27.50	-2:46
MW-31U	7/21/15	1024	1017	28.37	21.34	—	21.40	0.06	Y	21.45	-3:56
OW-5F	7/21/15	1053	1048	34.70	27.93		28.02	0.09	Y	28.02	-4:38
OW-7-17	7/21/15	1241	1236	26.42	15.76	—	15.83	0.07	Y	15.85	-1:25
OW-8-15	7/21/15	1250	1246	26.31	15.91		15.99	0.08	Y	16.01	-2:52
OW-9-25	7/21/15	1301	1250	35.29	26.30		26.39	0.09	Y	26.40	-11:03
OW-10F	7/21/15	1324	1319	33.75	25.39	—	25.48	0.09	Y	25.49	-1:18
PZ5-5				16.46							
PZ5-20				16.20							
PZ5-55				16.25							
PZ5-85				16.38							
PZ6-5				14.72							
PZ6-50				14.88							
PZ6-115				13.79							
PZ6-150				14.15							
PZ7-5	7/21/15	0840	0841	16.36	9.20	—	9.20	0.00	Y	9.20	-0:05
PZ7-50	7/21/15	0845	0846	16.40	9.71	—	9.73	0.02	Y	9.69	-0:11
PZ7-100	7/21/15	0852	0853	16.13	9.23	—	9.23	0.00	Y	9.21	-0:05
PZ7-150				15.50							
PZ8-5				12.21							
PZ8-50				12.45							

Technicain: Ben J Water Level Meter #: 153727 -0.10 initial reading

* No slip C-P

0 -> 1.18
1 -> 2.02
2-3 -> 2.07
* [4 -> 3.02]

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-1-55				35.64							
MW-1-82				35.95							
MW-3-56				34.02							
MW-4-57				34.48							
MW-16-45				33.10							
MW-16-65				33.13							
MW-18-30				34.18							
MW-18-125				34.57							
MW-18-180				33.81							
MW-19-22				29.72							
MW-19-125				29.33							
MW-19-180				29.73							
MW-21-115				23.35							
MW-21-165				23.06							
MW-27U				34.18							
MW-31U				28.37							
OW-5F				34.70							
OW-7-17				26.42							
OW-8-15				26.31							
OW-9-25				35.29							
OW-10F				33.75							
PZ5-5	7/20/15	1243	1239	16.46	7.61	–	7.69	0.08	Y	7.71	-6:16
PZ5-20		1250	1246	16.20	8.33	–	8.37	0.04	Y	8.44	-0:56
PZ5-55		1258	1254	16.25	9.85	–	9.90	0.05	Y	9.98	-1:36
PZ5-85		1305	1301	16.38	10.01	–	10.11	0.10	Y	10.15	+0:40
PZ6-5		1316	1312	14.72	8.25	–	8.34	0.09	Y	8.37	+1:00
PZ6-50		1323	1320	14.88	8.26	–	8.35	0.09	Y	8.38	-4:25
PZ6-115		1331	1328	13.79	7.50	–	7.55	0.05	Y	7.63	+5:48
PZ6-150		~~13~~ N/A	1335	14.15	7.94	–	8.01	0.07	Y	8.08	N/A
PZ7-5		1406	1402	16.36	9.04	–	9.14	0.10	Y	9.15	+0:42
PZ7-50		1415	1411	16.40	10.16	–	10.22	0.06	Y	10.30	-0:18
PZ7-100		1423	1419	16.13	10.10	–	10.20	0.10	Y	10.23	-0:41
PZ7-150		1431	1428	15.50	9.52	–	9.60	0.08	Y	9.65	~~+0:5~~ +1:04
PZ8-5	7/20/15	1216	1211	12.21	5.35	–	5.44	0.09	Y	5.50	+0:39
PZ8-50	~~7/20/15~~		~~1211~~	12.45	~~5.35~~		~~5.44~~				
PZ8-50	7/21/15	–	–	–	–	–	–	–	Y	5.63	–
PZ8-5	7/21/15	0826	0826	–	5.53	–	5.53	0.00	Y	5.47	-0:04

Technicain: Water Level Meter #:

7/20- PZ8-50 not able to connect to transducer
PZ6-150 test file was accidentally deleted before full download
#396406 in PZ8-50 to repl. cc #321309

Date

More→Setup → hardware update

ANCHOR QEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

Well ID	Date	Test Extract Time	Calibration Check: DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss) *	
Elevation Wells												
MW-33U	7/15/15	1314	1311	27.66	21.07	6.59	6.58	-0.01	Y	6.54	+0:47	
MW-34L		1323	1321	26.91	20.60	6.31	6.31	Ø	Y	6.23	-1:08	
MW-35U		0924	0922	36.45	28.76	7.69	7.69	Ø	Y	7.61	-1:07	
MW-36U		0939	0936	37.93	30.28	7.65	7.68	+0.03	Y	7.58	+3:57	
WS-12-125		1008	1001	34.01	26.56	7.45	7.45	Ø	Y	7.33	-1:13	N-1
WS-21-112		1029	1026	34.69	27.30	7.39	7.44	+0.05	Y	7.32	-0:41	
WS-26-86		1020	1017	34.43	26.96	7.47	7.50	+0.03	Y	7.40	-0:57	
PW-1U		0950	0946	37.5	29.80	7.70	7.81	+0.11	Y	7.61	-0:49	N-1
PW-1L		0957	0955	37.32	29.87	7.45	7.47	+0.02	Y	7.39	-2:46	
PW-2U		1036	1034	36.7	29.41	7.29	7.38	+0.09	Y	7.21	+3:33	
PW-2L		1043	1042	37.14	30.02	7.12	7.09	-0.03	Y	7.05	-0:53	
PW-3U		1342	1340	27.52	21.10	6.42	6.44	+0.02	Y	6.33	-0:50	
PW-3-118		1158	1156	27.01	20.34	6.67	6.45	-0.22	Y	6.59	-0:39	
PW-11U		1132	1130	26.78	20.33	6.45	6.44	-0.01	Y	6.36	-0:48	
Depth to Water Wells												
MW-5-32	7/20/15	1628	1626	27.72	21.69	—	21.74	0.05	Y	21.52	~~16:20~~	-6:53
MW-5-175	7/20/15	1619	1616	27.12	21.61	—	21.66	0.05	Y	21.74	-5:11	
MW-34U	7/20/15	1602	1559	26.81	22.08	—	21.15	0.07	Y	21.19	-4:12	
OW-1F	7/20/15	1003	955	37.60	32.56	—	30.60	0.04	Y	30.62	-4:04	
OW-2F	7/20/15	1014	1007	36.86	29.96	—	30.01	0.05	Y	30.07	-5:00	
~~PW-3-85~~	~~7/20/15~~		~~1044~~	~~26.72~~	~~30.56~~		~~30.60~~	~~0.04~~				
WS-8-33	7/20/15	0906	0902	34.33	27.10	—	27.09	-0.01	Y	27.19	-4:27	
WS-8-59	7/20/15	0920	0915	34.21	26.40	—	26.46	+0.06	Y	26.51	-1:30	
WS-12-161		0935	0924	34.02	26.27		26.33	0.06	Y	26.40	-3:52	
PZ9-5	7/20/15	1458	1438	12.09	6.12	—	6.26	0.14	Y	6.36	+1:17:41	
PZ9-50	7/20/15	1520	1517	11.62	5.71	—	5.83	0.12	Y	5.88	+2:25	
PZ9-75	7/20/15	1539	1532	11.57	5.86	—	5.92	0.06	Y	6.01	+2:41	
PZ9-110	7/20/15	1531	1522	12.19	6.46	—	6.57	0.11	Y	6.60	-4:51	
PZ9-150	7/20/15	1551	1547	11.33	6.12	—	6.23	0.11	Y	6.25	-0:54	
WS-43-193	7/20/15	0949	0943	—	25.83	—	25.97	0.14	Y	25.96	+1.48	
PW-3-85	7/20/15	1609	1602	—	21.11	—	21.19	0.08	Y	21.24	-1:29	

Technicain: Water Level Meter #: meter reading -0.01' initial

Notes: Level at PW-3-85 taken at old electrical port.

* - all transducers time sync'ed

N-1 → updated firmware

Δ - Error occurred while downloading, downloaded ALL data as time stamp was off

May 1st, 12am

from DL → More, Logs, Stop
More, Delete x2

Time ▷ Home, More, Sync ← UPDATE before time
More, Logs, More, New

logfile: wellspace 072015
☑ temp
☑ level (depth to water)

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-1-55	7-28-15	—	1251	35.64	32.21		32.21	Ø	N	NA	-0:09
MW-1-82		—	1254	35.95	32.74		32.75	+0.01	N	NA	-0:07
MW-3-56		—	1236	34.02	31.06		31.03	-0.03	N	NA	-0:07
MW-4-57		—	1036	34.48	30.50		30.50	Ø	N	NA	-0:12
MW-16-45		—	1324	33.10	28.20		28.18	-0.02	N	NA	-0:06
MW-16-65		—	1319	33.13	27.60		30.60	+3.00	N	27.61	-0:06
MW-18-30		—	1352	34.18	27.49		27.46	-0.03	N	NA	+0:04
MW-18-125		—	1114	34.57	29.99		29.99	Ø	N	NA	-0:07
MW-18-180		—	1117	33.81	28.97		28.97	Ø	N	NA	-0:04
MW-19-22		—	1040	29.72	22.28		22.28	Ø	N	NA	-0:05
MW-19-125		—	1042	29.33	24.50		24.49	-0.01	N	NA	-0:06
MW-19-180		—	1044	29.73	24.74		24.73	-0.01	N	NA	-0:05
MW-21-115		—	1244	23.35	19.33		19.31	-0.02	N	NA	-0:08
MW-21-165		—	1241	23.06	18.57		18.54	-0.03	N	NA	-0:02
MW-27U		—	1342	34.18	31.49		31.33	-0.16	N	31.53	-0:06 (1)
MW-31U		—	1049	28.37	23.60		23.59	-0.01	N	NA	-0:05
OW-5F		—	1109	34.70	28.99		28.97	-0.02	N	NA	-0:03
OW-7-17		—	1314	26.42	15.92		15.90	-0.02	N	NA	-0:06
OW-8-15		—	1310	26.31	16.22		16.22	Ø	N	NA	-0:03
OW-9-25		—	1305	35.29	23.66		23.63	-0.03	N	NA	-0:55
OW-10F		—	1300	33.75	21.78		21.75	-0.03	N	NA	-0:07
PZ5-5	7/27/15	—	1457	16.46	8.03	—	8.06	0.03	N	N	-0:13
PZ5-20	7/27/15	—	1459	16.20	9.82	—	9.84	0.02	N	N	0:00
PZ5-55	7/27/15	—	1500	16.25	10.94	—	10.96	0.02	N	N	+0:01
PZ5-85	7/27/15	—	1502	16.38	11.02	—	11.03	0.01	N	N	+0:05
PZ6-5	7/27/15	—	1505	14.72	9.24	—	9.26	0.02	N	N	+0:01
PZ6-50	7/27/15	—	1507	14.88	11.30	—	11.26	0.04	N	N	-0:11
PZ6-115	7/27/15	—	1510	13.79	8.21		8.20	0.01	N	N	+0:13
PZ6-150	7/27/15	—	1508	14.15	8.25	—	8.26	0.01	N	N	-3:29
PZ7-5	7/27/15	—	1522	16.36	9.44	—	9.43	0.01	N	N	+0:07
PZ7-50	7/27/15	—	1531	16.40	12.05	—	12.05	0.00	N	N	+0:06
PZ7-100	7/27/15	—	1540	16.13	10.28	—	10.31	0.03	N	N	+0:05
PZ7-150	7/27/15	—	1543	15.50	9.52	—	9.52	0.00	N	N	+0:07
PZ8-5	7/27/15	—	1448	12.21	6.50	—	6.64	0.14	N	6.49	+0:06
PZ8-50	7/27/15	—	1452	12.45	7.17	—	7.18	0.01	N	N	+0:07

Technicain: LAFFOON / JOHNSON Water Level Meter #: 1537274

(1) transducer not hanging properly – adjusted

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U	7/27/15	—	1216	22.38	18.81	3.57	3.56	0.01	N	N	—
MW-21-75	7/27/15	—	1216	23.03	19.28	3.75	3.77	0.02	N	N	—
MW-22-80	7/27/15	—	1226	35.89	32.43	3.46	3.43	0.03	N	N	—
MW-22U	7/27/15	—	1226	36.37	32.14	4.23	4.22	0.01	N	N	—
MW-23-75	7/27/15	—	1223	34.78	31.15	3.63	3.61	0.02	N	N	—
MW-23U	7/27/15	—	1221	35.51	31.72	3.79	3.81	0.02	N	N	—
MW-24-70	7/27/15	—	1120	33.74	30.82	2.92	2.86	0.06	N	2.91 NA	—
MW-24-130	7/27/15	—	1125	33.66	29.58	4.08	4.08	0.00	N	NA	—
MW-25L	7/27/15	—	1231	34.12	30.83	3.29	3.18	0.11	N	3.28	—
MW-26U	7/27/15	—	1111	33.93	30.55	3.38	3.38	Ø	N	NA	—
MW-27L	7-27-15	—	1109	34.16	29.98	4.18	4.19	+0.01	N	NA	—
MW-28U		—	1102	34.73	30.59	4.14	4.17	+0.03	N	NA	—
MW-28L		—	1100	34.87	30.61	4.26	4.26	Ø	N	NA	—
MW-29U		—	1012	34.84	33.18	1.66	1.67	+0.01	N	NA	—
MW-30U		—	1015	30.46	28.13	2.33	2.34	+0.01	N	NA	—
MW-31L		—	1025	28.53	24.07	4.46	4.45	-0.01	N	NA	—
MW-32U		—	1023	28.48	26.71	1.77	1.79	+0.02	N	NA	—
MW-37U		—	1107	34.90	31.55	3.35	3.34	-0.01	N	NA	—
MW-38U		—	1104	34.74	30.97	3.77	3.79	Ø	N	NA	—
PW-4U				31.01							
PW-4L				30.27							
PW-5U				34.82							
PW-5L				34.19							
PW-6U				33.93							
PW-6L				33.32							
PW-7-93				26.81							
PW-8-39				25.75							
PW-8-68				27.18							
PW-9-92				35.84							
PW-10L				33.40							
PW-12U				28.58							
PW-13U				34.60							
PW-14U				34.68							
PW-15U				27.01							
PW-16U				28.13							
PZ1-5	7/27/15	—	1208	35.98	29.46	6.52	6.60	0.02	N	N	—
PZ1-20	7/27/15	—	1209	36.34	31.18	5.16	5.17	0.01	N	N	—
PZ1-50	7/27/15	—	1211	37.58	33.90	3.68	3.67	0.01	N	N	—
* PZ2-5	7/27/15	—	1159	37.83	33.55	4.28	4.31	0.03	N	N	—
PZ2-20	7/27/15	—	1202	37.81	33.61	4.20	4.20	0.00	N	N	—
PZ2-43	7/27/15	—	1204	37.87	33.89	3.98	3.98	0.00	N	N	—
PZ2-77	7/27/15	—	—	38.55	34.66	3.89	3.88	0.01	N	N	
PZ4-12	7/27/15	—	1130	34.59	30.12	4.47	4.49	0.02	N	N	—
PZ4-41	7/27/15	—	1131	34.48	30.35	4.13	4.12	0.01	N	N	—
River 1 (U/S)	7/27/15	—	1133	34.41	30.08	4.33	4.39	0.06	N	4.30	—
River 2 (D/S)	7/27/15	—		34.39	—	4.33	4.36	0.03	N	4.30	—

Technicain: LAFFOON & JOHNSON Water Level Meter #: 1537272

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

* Not Connecting to the Control Box 50' # 254689 in
50' # 225212 out

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ANCHOR QEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
Elevation Wells											
MW-33U	7/27/15	—	1021	27.66	25.26	2.40	2.46	+0.06	N	2.40	—
MW-34L		—	1018	26.91	22.54	4.37	4.40	+0.03	N	NA	—
MW-35U		—	0832	36.45	32.23	4.22	4.21	-0.01	N	NA	+0:06
MW-36U		—	0858	37.93	32.97	4.96	4.91	-0.05	N	4.96	—
WS-12-125		—	0857	34.01	28.99	5.02	5.00	-0.02	N	NA	—
WS-21-112		—	0904	34.69	30.01	4.68	4.65	-0.03	N	NA	—
WS-26-86		—	0901	34.43	29.45	4.98	4.97	-0.01	N	NA	—
PW-1U				37.5							
PW-1L				37.32							
PW-2U				36.7							
PW-2L				37.14							
PW-3U				27.52							
PW-3-118				27.01							
PW-11U	7/27/15	—	1053	26.78	38.48	-11.70	-11.63	-0.07	N	NA	—
PW-11U		—	1055	26.78			38.76	-12.01 / -12.03	/ +0.02		①
Depth to Water Wells											
MW-5-32	7/28/15	—	1103	27.72	23.39		23.35	-0.04	N	NA	-0:11
MW-5-175	7/28/15	—	1100	27.12	22.23		22.20	-0.03	N	NA	-0:09
MW-34U	7/28/15	—	1055	26.81	23.29		23.28	-0.01	N	NA	-0:11
OW-1F	7/27/15	—	0847	37.60	31.09		30.04	-0.05	N	31.08	-0:09
OW-2F	7/27/15	—	0842	36.86	30.62		30.62	Ø	N	NA	-0:03
PW-3-85	7/28/15	—	1051	26.72	22.21		22.20	-0.01	N	NA	+0:03
WS-8-33				34.33							
WS-8-59				34.21							
WS-12-161				34.02							
WS-47-183				32.37							
PZ9-5	7/27/15	—	1550	12.09	5.93	—	5.93	0.00	N	N	+0:03
PZ9-50	7/27/15	—	1557	11.62	5.54	—	6.09	0.35	N	N	+0:03
PZ9-75	7/27/15	—	1611	11.57	5.59	—	5.61	0.02	N	N	+0:04
PZ9-110	7/27/15	—	1612	12.19	6.26	—	6.26	0.00	N	N	-0:06
PZ9-150	7/27/15	—	1615	11.33	5.77	—	5.77	0.00	N	N	0:00

Technicain: LAFFOON / JOHNSON Water Level Meter #: 1537274

Notes: Level at PW-3-85 taken at old electrical port.

① Second check of well transducer elevation OK.

ANCHOR QEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
Elevation Wells											
MW-33U				27.66							
MW-34L				26.91							
MW-35U				36.45							
MW-36U				37.93							
WS-12-125				34.01							
WS-21-112				34.69							
WS-26-86				34.43							
PW-1U				37.5							
PW-1L				37.32							
PW-2U				36.7							
PW-2L				37.14							
PW-3U				27.52							
PW-3-118				27.01							
PW-11U				26.78							
Depth to Water Wells											
MW-5-32				27.72							
MW-5-175				27.12							
MW-34U				26.81							
OW-1F				37.60							
OW-2F				36.86							
PW-3-85				26.72							
WS-8-33	7/27/15	—	0845	34.33	27.64	—	27.64	0.00	N	N	-0:02
WS-8-59	7/27/15	—	0848	34.21	28.84	—	28.84	0.00	N	N	-0:04
WS-12-161	7/27/15	—	0851	34.02	29.29	—	29.29	0.00	N	N	-0:10
WS-47-183	7/27/15	—	0841	32.37	28.41	—	28.38	0.03	N	N	+0:12
PZ9-5				12.09							
PZ9-50				11.62							
PZ9-75				11.57							
PZ9-110				12.19							
PZ9-150				11.33							

Technicain: LOFFOON / JOHNSON Water Level Meter #: 153 7274

Notes: Level at PW-3-85 taken at old electrical port.

PW-11U in# 324891 out # 155815

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

				Calibration Check							
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U				22.38							
MW-21-75				23.03							
MW-22-80				35.89							
MW-22U				36.37							
MW-23-75				34.78							
MW-23U				35.51							
MW-24-70				33.74							
MW-24-130				33.66							
MW-25L				34.12							
MW-26U				33.93							
MW-27L				34.16							
MW-28U				34.73							
MW-28L				34.87							
MW-29U				34.84							
MW-30U				30.46							
MW-31L				28.53							
MW-32U				28.48							
MW-37U				34.90							
MW-38U				34.74							
PW-4U				31.01							
PW-4L				30.27							
PW-5U				34.82							
PW-5L				34.19							
PW-6U				33.93							
PW-6L				33.32							
PW-7-93				26.81							
PW-8-39				25.75							
PW-8-68				27.18							
PW-9-92				35.84							
PW-10L				33.40							
PW-12U				28.58							
PW-13U				34.60							
PW-14U				34.68							
PW-15U				27.01							
PW-16U				28.13							
PZ1-5				35.98							
PZ1-20				36.34							
PZ1-50				37.58							
PZ2-5	7/20/15	—	0916	37.83	32.30	5.53	3.27	-2.26	Y	5.53	— (1)
PZ2-20				37.81							
PZ2-43				37.87							
PZ2-77				38.55							
PZ4-12				34.59							
PZ4-41				34.48							
River 1 (U/S)				34.41							
River 2 (D/S)				34.39							

Technicain: D. LAFFOON Water Level Meter #: 1537274

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

(1) - Removed AquaTroll # 370168 & installed # 321309

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U	8/18/15	—	0906	22.38	17.11	5.27	5.26	0.01	N	—	—
MW-21-75		—	0908	23.03	16.28	6.75	6.77	0.02	N	—	—
MW-22-80		—	0933	35.89	29.43 ~~29.35~~	6.46	6.48	0.04	N	—	—
MW-22U		—	0935	36.37	29.50	6.87	6.85	0.02	N	—	—
MW-23-75		—	0914	34.78	28.12	6.66	6.62	0.04	N	—	—
MW-23U		—	0912	35.51	29.12	6.39	6.38	0.01	N	—	—
MW-24-70	8/17/15	—	1558	33.74	30.32	3.42	3.44	+0.02	N	—	—
MW-24-130	8/17/15	—	1556	33.66	29.04	4.62	4.62	Ø	N	—	—
MW-25L	8/18/15	—	0945	34.12	28.05	6.07	6.07	0.00	N	—	—
MW-26U	8/17/15	—	1452	33.93	29.85	4.08	4.10	+0.02	N	—	—
MW-27L		—	1633	34.16	29.56	4.60	4.59	-0.01	N	—	—
MW-28U		—	1433	34.73	29.75	4.98	5.01	+0.03	N	—	—
MW-28L		—	1431	34.87	29.86	5.09	5.06	-0.03	N	—	—
MW-29U	8/17/15	—	1428	34.84	33.51	2.33	2.33	0.00	N	—	—
MW-30U	8/17/15	—	1425	30.46	27.41	3.05	3.06	0.01	N	—	—
MW-31L	8/17/15	—	1357	28.53	23.20	5.33	5.32	0.01	N	N	—
MW-32U		—	1400	28.48	25.72	2.76	2.75	0.01	N	N	—
MW-37U	8/17/15	—	1443	34.90	30.81	4.09	4.10	+0.01	N	—	—
MW-38U		—	1439	34.74	31.16	3.58	3.59	+0.01	N	—	—
PW-4U	8/17/15	—	1335	31.01	44.14	-13.13	-13.11	0.02	N	N	—
PW-4L		—	1336	30.27	24.84 ~~24.76~~	5.43	5.43	~~0.08~~ 0.00	N	N ①	—
PW-5U	8/17/15	—	1545	34.82	40.28	-5.46	-5.50	+0.04	N	N	—
PW-5L		—	1548	34.19	29.51	4.68	4.69	+0.01	N	N	—
PW-6U		—	1551	33.93	37.58	-3.65	-3.66	-0.01	N	N	—
PW-6L		—	1553	33.32	28.71	4.61	4.59	-0.02	N	N	—
PW-7-93		—	1601	26.81	31.67	-4.86	-4.83	+0.03	N	N	—
PW-8-39	8/18/15	—	0919	25.75	19.54	6.21	6.18	0.03	N	N	—
PW-8-68		—	0921	27.18	37.98 ~~38.00~~	-10.80	-10.78	0.02	N	N	—
PW-9-92		—	0929	35.84	30.48	5.36	5.29	0.07	N	—	—
PW-10L		—	0943	33.40	40.53	-7.13	-6.88	0.25	N	-7.18	—
PW-12U	8/17/15	—	1347	28.58	35.69	-7.11	-7.40	0.29	N	-6.92	—
PW-13U		—	1435	34.60	49.29	-14.69	-14.70	+0.01	N	—	—
PW-14U		—	1448	34.68	33.71	0.97	0.97	Ø	N	—	—
PW-15U		—	1607	27.01	27.50	-0.49	-0.47	+0.02	N	—	—
PW-16U		—	1615	28.13	36.89	-3.76	-3.74	+0.02	N	—	—
PZ1-5	8/18/15	—	~~0847~~	35.98	~~38.43~~	~~5.55~~	~~7.43~~	0.03	N	—	—
PZ1-20		—	0849	36.34	38.44	7.04	7.01	0.02	N	—	—
PZ1-50		—	0901	37.58	29.71 30.86	6.63 6.72	6.61 6.70	0.02	N	—	—
PZ2-5	8/18/15	—	0847	37.83	30.43	7.40	7.43	0.03	N	—	—
PZ2-20		—	0851	37.81	30.99	6.82	6.84	0.02	N	—	—
PZ2-43		—	0853	37.87	30.94	6.93	6.95	0.02	N	—	—
PZ2-77		—	0855	38.55	31.58	6.97	6.96	0.01	N	—	—
PZ4-12	8-17-15	—	1620	34.59	29.59	5.00	5.01	+0.01	N	N	—
PZ4-41		—	1628	34.48	29.89	4.59	4.61	+0.02	N	N	—
River 1 (U/S)		—	1623	34.41	29.54	4.87	4.85	-0.02	N	//	—
River 2 (D/S)		—	1623	34.39	29.54	4.87	4.84	-0.03	N	//	—

Technicain: LAFOON / WILSON Water Level Meter #: 1537274

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

① ~~Water level fluctuating~~ to Much to adjust reference.

40.53 - 6.88 29.43 10.78 6.42 30.45 5.30 30.46 5.31 30.48 5.29

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-1-55				35.64							
MW-1-82				35.95							
MW-3-56	8/18/15	0647	0645	34.02	30.13	~~30.07~~	30.07 0.06	0.06	N	30.12	00:05
MW-4-57				34.48							
MW-16-45	8/18/15	0802	0759	33.10	27.91		27.86	0.05	N	27.91	00:05
MW-16-65	8/18/15	0756	0752	33.13	28.87		25.85	3.02	N	28.87	00:06
MW-18-30	8/18/15	0814	0811	34.18	27.28		27.30	+0.02	N	NA	+0:44
MW-18-125				34.57							
MW-18-180				33.81							
MW-19-22				29.72							
MW-19-125				29.33							
MW-19-180				29.73							
MW-21-115	8/18/15	0734	0733	23.35	16.87		16.86	0.01	N	—	00:03
MW-21-165	↓	1134	1133	23.06	16.72		16.71	0.01	N	—	00:21
MW-27U	8/18/15	0806	0805	34.18	29.54		29.58	+0.04	N	—	-0:06
MW-31U				28.37							
OW-5F	8/18/15	0746	0744	34.70	28.80		28.82	0.02	N	—	00:13
OW-7-17	8/18/15	0656	0653	26.42	16.23		16.18	0.05	N	16.23	00:11
OW-8-15	↓	0703	0703	26.31	16.63		16.60	0.03	N	—	00:18
OW-9-25	↓	0716	0712	35.29	26.74		26.69	0.05	N	26.73	03:05
OW-10F	↓	0723	0721	33.75	25.73		25.69	0.04	N	—	00:02
PZ5-5				16.46							
PZ5-20				16.20							
PZ5-55				16.25							
PZ5-85				16.38							
PZ6-5				14.72							
PZ6-50				14.88							
PZ6-115				13.79							
PZ6-150				14.15							
PZ7-5				16.36							
PZ7-50				16.40							
PZ7-100				16.13							
PZ7-150				15.50							
PZ8-5				12.21							
PZ8-50				12.45							

Technicain: M Wilson / D Hoffman Water Level Meter #: 1537274

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

Calibration Check												
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)	
MW-1-55	8/18/15	0954	0953	35.64	29.65		29.66	0.01	N	—	00:04	
MW-1-82	↓	0957	0956	35.95	30.20		30.23	0.03	N	—	00:05	★55%
MW-3-56				34.02								
MW-4-57	8/18/15			34.48								
MW-16-45		0719	0718	33.10	29.70		29.70	Ø	N	NA	-0:42	
MW-16-65				33.13								
MW-18-30				34.18								
MW-18-125	8/18/15	0754	0751	34.57	27.86		27.87	+0.01	N	NA	-0:22	
MW-18-180		0758	0757	33.81	27.59		25.58	-0.01	N	NA	-0:07	
MW-19-22		0725	0724	29.72	22.44		22.44	Ø	N	NA	-0:14	
MW-19-125		0728	0727	29.33	22.78		22.76	-0.02	N	NA	-0:20	
MW-19-180	↓	0732	0731	29.73	22.84		22.84	Ø	N	NA	-0:16	
MW-21-115				23.35								
MW-21-165				23.06								
MW-27U				34.18								
MW-31U	8/18/15	0739	0738	28.37	21.80		21.80	Ø	N	NA	-0:14	
OW-5F				34.70								
OW-7-17				26.42								
OW-8-15				26.31								
OW-9-25				35.29								
OW-10F				33.75								
PZ5-5	8/18/15	1015	1014	16.46	7.98		7.98	Ø	N	NA	-0:48	
PZ5-20		1020	1018	16.20	8.90		8.86	-0.04	N	NA	+0:05	★96%
PZ5-55		1023	1022	16.25	9.99		10.01	+0.02	N	NA	+0:11	
PZ5-85		1026	1025	16.38	10.10		10.12	+0.02	N	NA	+0.33	
PZ6-5		1034	1033	14.72	7.94		7.94	Ø	N	NA	+0:16	
PZ6-50		1037	1036	14.88	10.04		10.03	-0.01	N	NA	-0:36	
PZ6-115		1042	1040	13.79	7.38		7.39	+0.01	N	NA	+1:04	
PZ6-150		1044	1043	14.15	7.58		7.60	+0.02	N	NA	-3.23	
PZ7-5		1049	1048	16.36	9.44		9.46	+0.02	N	NA	+0:21	★35%
PZ7-50		1052	1051	16.40	11.17		11.18	+0.01	N	NA	+0:19	
PZ7-100		1055	1054	16.13	9.78		9.80	+0.02	N	NA	+0:17	
PZ7-150		1059	1058	15.50	9.07		9.08	+0.01	N	NA	+0:89	
PZ8-5		1004	1002	12.21	5.26		5.26	Ø	N	NA	+0:21	★35%
PZ8-50	↓	1008	1006	12.45	6.38		6.40	+0.02	N	NA	+0:20	

Technicain: LAFFOON/WILSON Water Level Meter #: 537274

★ - Indicates warning screen (% power left in battery)

ANCHOR QEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
Elevation Wells											
MW-33U	8/17/15	—	1407	27.66	24.38	3.28	3.28	0.0	N	—	—
MW-34L	8/17/15	—	1411	26.91	21.77	5.14	5.14	0.0	N	—	—
MW-35U	8/17/15	—	1021	36.45	30.95	5.50	5.56	0.06	(Y) ~~N~~	~~5.50~~ 30.95	13:28 5.47
MW-36U	8/17/15	—	1003	37.93	31.52	6.41	6.43	0.02	N	N	—
WS-12-125		—	1017	34.01	27.49	6.52	6.49	0.03	N	N	—
WS-21-112		—	1012	34.69	28.47	6.22	6.18	0.04	N	N	—
WS-26-86		—	1010	34.43	27.89 49.31	6.54	6.50 -11.84	0.04	N	N	—
PW-1U	8/17/15	—	1006	37.5	~~50.24~~	-11.81	~~-18.44~~	0.03	N	N	—
PW-1L		—	1008	37.32	44.08	-6.76	-6.72	0.04	N	N	—
PW-2U	8/17/15 ~~0957~~	—	0958	36.7	32.66	4.04	4.01	0.03	N	N	—
PW-2L		—	1000	37.14	30.70	6.44	6.40	0.04	N	N	—
PW-3U	8/17/15	—	1420	27.52	41.35	-13.83	-13.82	0.01	N	N	—
PW-3-118	8/17/15	—	1402	27.01	21.79	5.25	5.10	0.15	N	5.24 0.01	—
PW-11U	8/17/15	—	1414	26.78	40.10	-13.32	-13.23	0.09	N	N (1)	—
Depth to Water Wells											
MW-5-32	8/17/15	1122	1120	27.72	22.34		22.34	Ø	N	NA	-0:22
MW-5-175		1127	1126	27.12	20.82		20.80	-0.02	N	NA	-0:17
MW-34U		1139	1138	26.81	22.05		22.05	Ø	N	NA	-0:22
OW-1F		0909	0908	37.60	30.88		30.87	-0.01	N	NA	-0:20
OW-2F		0904	0901	36.86	30.24		30.22	-0.02	N	NA	-0:17
PW-3-85		1133	1132	26.72	20.91		20.90	-0.01	N	NA	+0:27
WS-8-33		0932	0931	34.33	27.36		27.38	+0.02	N	NA	-0:22
WS-8-59		0935	0934	34.21	27.22		27.23	+0.01	N	NA	-0:35
WS-11-161		—	—	33.06	—		—	—	—	—	— (2)
WS-12-161		0925	0923	34.02	27.47		27.46	-0.01	N	NA	-0:54
WS-47-183		0914	0913	32.37	26.57		26.58	+0.01	N	NA	+0:32
PZ9-5	8/18/15	1105	1104	12.09	5.56		5.52	-0.04	N	NA	+0:20 ☆ 40%
PZ9-50		1109	1108	11.62	5.77		5.74	-0.03	N	NA	+0:21
PZ9-75		1112	1111	11.57	6.04		6.04	Ø	N	NA	-0:13
PZ9-110		1117	1116	12.19	5.48		5.47	-0.01	N	NA	+0:23
PZ9-150		1121	1119	11.33	5.60		5.58	-0.02	N	NA	+0:06

Technicain: Wilson/Laffoon Water Level Meter #: 1537274

Notes: Level at PW-3-85 taken at old electrical port.

(1) - Water level fluctuating too rapidly to set new reference

(2) - not installed

☆ - indicates recieved warning screen (% power left in battery)

21.74 5.10 21.76 5.25 41.35 -13.82

40.10 -13.23

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U				22.38							
MW-21-75				23.03							
MW-22-80				35.89							
MW-22U				36.37							
MW-23-75				34.78							
MW-23U				35.51							
MW-24-70				33.74							
MW-24-130				33.66							
MW-25L				34.12							
MW-26U				33.93							
MW-27L				34.16							
MW-28U				34.73							
MW-28L				34.87							
MW-29U				34.84							
MW-30U				30.46							
MW-31L				28.53							
MW-32U				28.48							
MW-37U				34.90							
MW-38U				34.74							
PW-4U				31.01							
PW-4L				30.27							
PW-5U				34.82							
PW-5L				34.19							
PW-6U				33.93							
PW-6L				33.32							
PW-7-93				26.81							
PW-8-39				25.75							
PW-8-68				27.18							
PW-9-92				35.84							
PW-10L				33.40							
PW-12U				28.58							
PW-13U				34.60							
PW-14U				34.68							
PW-15U				27.01							
PW-16U				28.13							
PZ1-5				35.98							
PZ1-20				36.34							
PZ1-50				37.58							
PZ2-5				37.83							
PZ2-20				37.81							
PZ2-43				37.87							
PZ2-77				38.55							
PZ4-12	8/21/15	—	1345	34.59	29.15	5.43	5.44	0.01	N	N	—
PZ4-41				34.48							
River 1 (U/S)	8/21/15	—	1344	34.41	28.98	5.43	—	—	N	5.43	—
River 2 (D/S)	↓	—	1344	34.39	—	~~5.46~~	—	—	N	5.44	—

Technicain: M. Wilson / LAFerson Water Level Meter #: 1537274

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

	Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
					Calibration Check							
	MW-1-55				35.64							
*1	MW-1-82	6/27/15		1348	35.95	32.34	–	32.34	0.00	Y	32.29	-1:24
	MW-3-56				34.02							
	MW-4-57				34.48							
	MW-16-45				33.10							
	MW-16-65				33.13							
	MW-18-30				34.18							
	MW-18-125				34.57							
	MW-18-180				33.81							
	MW-19-22				29.72							
	MW-19-125				29.33							
	MW-19-180				29.73							
	MW-21-115				23.35							
	MW-21-165				23.06							
	MW-27U				34.18							
	MW-31U				28.37							
	OW-5F				34.70							
	OW-7-17				26.42							
	OW-8-15				26.31							
	OW-9-25				35.29							
	OW-10F				33.75							
	PZ5-5				16.46							
*1	PZ5-20	6/27/15	1315	1317	16.20	9.45	–	9.52	0.07	Y	9.45	-1:23
	PZ5-55				16.25							
	PZ5-85				16.38							
	PZ6-5				14.72							
	PZ6-50				14.88							
	PZ6-115				13.79							
	PZ6-150				14.15							
	PZ7-5				16.36							
	PZ7-50				16.40							
	PZ7-100				16.13							
	PZ7-150				15.50							
*1	PZ8-5	6/27/15	1330	1331	12.21	6.67	–	6.68	0.01	Y	6.67	-1:03
	PZ8-50				12.45							~~-1:03~~ BJ
*1	PZ9-5	6/27/15	1426	1426	–	6.62	–	6.62	0.00	Y	6.57	-1:02

Technicain: Johnson / Laffoon Water Level Meter #: 1537274

*1 installed new probe

- PZ5-20 # 385155 out, # 382231 in
- PZ8-5 # 322253 out, # 420196 in
- MW-1-82 # 119052 out, # 396703 in
- PZ9-5 # 321814 out, # 420132 in

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

			Calibration Check								
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U				22.38							
MW-22U				36.37							
MW-23U				35.51							
MW-24-130				33.66							
MW-25L				34.12							
MW-26U				33.93							
MW-27L				34.16							
MW-28U				34.73							
MW-28L				34.87							
MW-29U				34.84							
MW-30U				30.46							
MW-31L				28.53							
MW-32U				28.48							
MW-37U				34.90							
MW-38U				34.74							
PW-4U				31.01							
PW-4L				30.27							
PW-5U				34.82							
PW-5L				34.19							
PW-6U				33.93							
PW-6L				33.32							
PW-7-93				26.81							
PW-8-39				25.75							
PW-8-68				27.18							
PW-9-92				35.84							
PW-10L				33.40							
PW-12U				28.58							
PW-13U				34.60							
PW-14U				34.68							
PZ1-5				35.98							
PZ1-20				36.34							
PZ1-50				37.58							
PZ2-5				37.83							
PZ2-20				37.81							
PZ2-43				37.87							
PZ2-77				38.55							
PZ4-12				34.59							
PZ4-41				34.48							
River 1 (U/S)	8/28/15	—	0924	34.41	27.63	6.78	6.64	-0.14	N	6.75	<1m
River 2 (D/S)	↓	—	0932	34.39	27.69	6.72	6.59	-0.13	N	6.70	<1m

Technicain: LAFOON Water Level Meter #: 1537274

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

* River 1 — 0.03 psi - rezeroed, River 2 — 0.02 psi - rezeroed

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U	9/14/15	—	1231	22.38	18.49	3.98	3.95	0.03	N	N	—
MW-21-75	9/14/15	—	1233	23.03	18.99	4.04	4.05	0.01	N	N	—
MW-22-80	9/14/15	—	1241	35.89	32.39	3.50	3.44	0.06	N	3.50	—
MW-22U	9/14/15	—	1243	36.37	31.77	4.60	4.58	0.02	N	N	—
MW-23-75	9/14/15	—	1237	34.78	31.02	3.76	3.74	0.02	N	N	—
MW-23U	9/14/15	—	1235	35.51	31.18	4.33	4.32	0.01	N	N	—
MW-24-70	9/14/15	—	1151	33.74	30.27	3.47	3.47	0.00	N	N	—
MW-24-130	9/14/15	—	1152	33.66	28.99	4.67	4.67	0.00	N	N	—
MW-25L	9/14/15	—	1246	34.12	30.59	3.53	3.49	0.04	N	N	—
MW-26U	9/14/15	—	1140	33.93	30.11	3.82	3.84	0.02	N	N	—
MW-27L	9/14/15	—	1138	34.16	29.36	4.80	4.80	0.00	N	N	—
MW-28U	9/14/15	—	1125	34.73	29.97	4.76	4.85	0.09	N	4.81	—
MW-28L	9/14/15	—	1123	34.87	29.97	4.91	4.90	0.01	N	N	—
MW-29U	9/14/15	—	1110	34.84	32.54	2.30	2.32	0.02	N	N	—
MW-30U	9/14/15	—	1107	30.46	27.38	3.08	3.11	0.03	N	N	—
MW-31L	9/14/15	—	1047	28.53	23.38	5.15	5.16	0.01	N	N	—
MW-32U	9/14/15	—	1048	28.48	25.63	2.85	2.89	0.04	N	N	—
MW-37U	9/14/15	—	1136	34.90	31.05	3.85	3.86	0.01	N	N	—
MW-38U	9/14/15	—	1130	34.74	31.29	3.45	3.45	0.00	N	N	—
PW-4U	9/14/15	—	1042	31.01	44.26	-13.25	-13.26	0.01	N	N	—
PW-4L	9/14/15	—	1044	30.27	25.05	5.22	5.20	0.02	N	N	—
PW-5U	9/14/15	—	1133	34.82	40.96	-6.14	-6.17	0.03	N	N	—
PW-5L	9/14/15	—	1135	34.19	29.39	4.80	4.84	0.04	N	N	—
PW-6U	9/14/15	—	1146	33.93	37.82	-3.89	-3.93	0.04	N	N	—
PW-6L	9/14/15	—	1147	33.32	28.60	4.72	4.68	0.04	N	N	—
PW-7-93	9/14/15	—	1154	26.81	31.25	-4.44	-4.46	0.02	N	N	—
PW-8-39	9/14/15	—	1250	25.75	21.24	4.51	4.47	0.04	N	N	—
*1 PW-8-68	9/14/15	—	1251	27.18	30.00	-2.82	-13.10	10.28	N	13.12	—
PW-9-92	9/14/15	—	1238	35.84	38.98	-3.14	-3.14	0.00	N	N	—
PW-10L	9/14/15	—	1248	33.40	42.50	-9.10	-9.10	0.00	N	N	—
PW-12U	9/14/15	—	1045	28.58	39.85	-11.27	-11.27	0.00	N	N	—
PW-13U	9/14/15	—	1128	34.60	50.58	-15.98	-15.96	0.00	N	N	—
PW-14U	9/14/15	—	1139	34.68	33.90	0.78	0.80	0.02	N	N	—
PW-15U	9/14/15	—	1157	27.01	27.41	-0.40	-0.39	0.01	N	N	—
PW-16U	9/14/15	—	1159	28.13	32.39	-4.26	-4.24	0.02	N	N	—
PZ1-5	9/14/15	—	1224	35.98	29.56	6.42	6.39	0.03	N	N	—
PZ1-20	9/14/15	—	1227	36.34	30.91	5.43	5.40	0.03	N	N	—
PZ1-50	9/14/15	—	1228	37.58	33.56	4.02	3.99	0.03	N	N	—
PZ2-5	9/14/15	—	1218	37.83	33.07	4.76	4.79	0.03	N	N	—
PZ2-20	9/14/15	—	1219	37.81	33.11	4.70	4.72	0.02	N	N	—
PZ2-43	9/14/15	—	1220	37.87	33.44	4.43	4.44	0.01	N	N	—
PZ2-77	9/14/15	—	1223	38.55	34.27	4.28	4.26	0.02	N	N	—
PZ4-12	9/14/15	—	1205	34.59	29.63	4.96	4.98	0.02	N	N	—
PZ4-41	9/14/15	—	1206	34.48	29.90	4.58	4.58	0.00	N	N	—
River 1 (U/S)	9/14/15	—	1207	34.41	29.64	4.77	4.84	0.07	N	4.76	—
River 2 (D/S)			1207	34.39	—	4.77	4.86	0.09	N	4.78	—

Technicain: LAFOON / JOHNSON Water Level Meter #: 153727

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P. at this point is 34.41'.

*1 Reding V. Erratic due to pumping

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

					Calibration Check						
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-1-55	9/15/15	1139	1138	35.64	31.25		31.30	+0.05	N	31.28	-0:51
MW-1-82	9/15/15	1144	1143	35.95	31.85		32.45	+0.60	N	31.86	+0:50
MW-3-56	9/15/15	1049	1048	34.02	30.08		30.10	+0.02	N	N	-0:36
MW-4-57	9/15/15	0829	0828	34.48	29.55		29.56	+0.01	N	N	-1:21
MW-16-45	9/15/15	1314	1313	33.10	28.31		28.33	+0.02	N	N	-0:33
MW-16-65	9/15/15	1312	1311	33.13	30.23		30.20	-0.03	N	N	-0:34
MW-18-30	9/15/15	1346	1345	34.18	28.12		28.09	-0.03	N	N	+0:44
MW-18-125	9/15/15	0914	0913	34.57	28.38		28.39	+0.01	N	N	-0:39
MW-18-180	9/15/15	0919	0918	33.81	27.36		27.36	Ø	N	N	-0:10
MW-19-22	9/15/15	0834	0833	29.72	22.72		22.72	Ø	N	N	-0:26
MW-19-125	9/15/15	0838	0837	29.33	22.77		22.76	-0.01	N	N	-0:36
MW-19-180	9/15/15	0842	0841	29.73	23.00		23.00	Ø	N	N	-0:28
MW-21-115	9/15/15	1127	1126	23.35	18.37		18.35	-0.02	N	N	-0:36
MW-21-165	9/15/15	1131	1130	23.06	17.62		17.61	-0.01	N	N	-0:03
MW-27U	9/15/15	1337	1330	34.18	31.29		31.18	-0.11	N	31.28	-0:32
MW-31U	9/15/15	0846	0845	28.37	21.94		21.93	-0.01	N	N	-0:26
OW-5F	9/15/15	0909	0908	34.70	29.42		29.41	-0.01	N	N	-0:18
OW-7-17	9/15/15	1306	1305	26.42	16.39		16.42	+0.03	N	N	-0:24
OW-8-15	9/15/15	1301	1300	26.31	17.10		17.08	-0.02	N	N	-0:10
OW-9-25	9/15/15	1156	1155	35.29	27.10		27.13	+0.03	Y	27.10	-0:55
OW-10F	9/15/15	1150	1149	33.75	26.01		25.99	-0.02	N	N	-0:39
PZ5-5	9/14/15	1601	1558	16.46	8.59	–	8.69	0.10	N	8.58	-0:58
PZ5-20	9/14/15	1604	1604	16.20	10.15	–	10.22	0.07	N	10.15	+0:28
PZ5-55	9/14/15	1608	1607	16.25	12.58	–	12.58	0.08	N	12.46	+0:58
PZ5-85	9/14/15	1612	1612	16.38	12.49	–	12.61	0.12	N	12.47	+1:41
PZ6-5	9/14/15	1539	1538	14.72	9.89	–	9.97	0.08	N	9.90	+1:09
*2 PZ6-50	9/14/15	1543	1541	14.88	12.45	–	12.52	0.07	Y	12.44	-0:33
*2 PZ6-115	9/14/15	1549	1545	13.79	10.02	–	10.09	0.07	Y	9.99	+2:41
*2,3 PZ6-150	9/14/15	1553	1551	14.15	10.11	–	12.52	2.41	Y	10.08	-0:01
*2,4 PZ7-5	9/14/15	1514	1513	16.36	9.81	–	9.91	0.10	Y	9.80	+1:12
*2 PZ7-50	9/14/15	1520	1518	16.40	13.51	–	13.60	0.09	Y	13.50	+2:41
*2 PZ7-100	9/14/15	1526	1525	16.13	12.40	–	12.52	0.12	Y	12.37	+1:05
PZ7-150	9/14/15	1532	1532	15.50	11.67	–	11.73	0.06	N	11.66	+1:59
PZ8-5	9/14/15	1618	1620	12.21	7.36	–	7.62	0.26	N	7.36	+2:14
PZ8-50	9/14/15	1623	1622	12.45	8.46		8.53	0.07	N	8.44	+1:08

Technicain: LAFFOON / JOHNSON Water Level Meter #: 1537275

*1 Hardware Failure

*2 Time not on 1/4 hours.

*3 Bad data

503-494-4314
Ent 503-494-5356

ANCHOR QEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
Elevation Wells											
MW-33U	9/14/15	—	1053	27.66	24.30	3.36	3.40	0.04	N	N	—
MW-34L	9/14/15	—	1056	26.91	21.93	4.98	5.02	0.04	N	N	—
MW-35U	9/14/15	—	0922	36.45	31.55	4.90	4.90	0.00	N	N	—
MW-36U	9/14/15	—	0946	37.93	32.34	5.59	5.57	0.02	N	N	—
WS-12-125	9/14/15	—	0943	34.01	28.42	5.59	5.58	0.01	N	N	—
WS-21-112	9/14/15	—	1000	34.69	29.49	5.20	5.17	0.03	N	N	—
WS-26-86	9/14/15	—	0958	34.43	28.92	5.51	5.49	0.02	N	N	—
*1 PW-1U	9/14/15	—	0946	37.5	50.27	-12.77	-17.24	4.47	N	-13.02	—
PW-1L	9/14/15	—	0955	37.32	45.38	-8.06	-8.01	0.05	N	N	—
PW-2U	9/14/15	—	1005	36.7	33.80	2.90	2.92	0.02	N	N	—
PW-2L	9/14/15	—	1003	37.14	31.86	5.28	5.28	0.00	N	N	—
PW-3U	9/14/15	—	1050	27.52	21.98	5.03	4.94	0.09	N	5.03	—
*2 PW-3-118	9/14/15	—	1103	27.01	38.55	-11.03	-11.22	0.19	N	N	—
PW-11U	9/14/15	—	1058	26.78	41.38	-14.60	-15.62	-1.02	N	-15.80	—
Depth to Water Wells											
MW-5-32	9/15/15	0903	0902	27.72	22.50		22.49	-0.01	N	N	-0:37
MW-5-175	9/15/15	0859	0858	27.12	20.60		20.58	-0.02	N	N	-0:26
MW-34U	9/15/15	0855	0854	26.81	21.73		21.72	-0.01	N	N	-0:34
OW-1F	9/14/15	0931	0931	37.60	31.43	—	31.43	0.00	N	N	+0:43
OW-2F	9/14/15	0926	0925	36.86	30.88	—	30.89	0.01	N	N	+0:59
PW-3-85	9/15/15	0850	0849	26.72	20.57		20.57	Ø	N	N	+1:03
WS-8-33	9/14/15	0926	0925	34.33	27.99		27.98	-0.01	N	N	-0:34
WS-8-59	9/14/15	0931	0930	34.21	28.22		28.23	+0.02	N	N	-1:06
*4 WS-11-161	— NOTE 4 —			33.06	—		—	—	—	—	—
WS-12-161	9/14/15	0939	0938	34.02	28.71		28.70	-0.01	N	N	-0:39
WS-47-183	9/14/15	0939	0940	32.37	27.93		27.94	0.01	N	N	+2:28
PZ9-5	9/14/15	1443	1437	12.09	7.53	—	7.73	0.20	N	7.53	+2:14
*3 PZ9-50	9/14/15	1445	1445	11.62	8.57	—	8.57	0.00	N	N	+1:16
*3 PZ9-75	9/14/15	1454	1454	11.57	8.00	—	8.02	0.02	N	N	+1:19
PZ9-110	9/14/15	1500	1449	12.19	8.54	—	8.61	0.07	N	8.55	+0:10
PZ9-150	9/14/15	1504	1500	11.33	8.08	—	8.14	0.06	N	8.08	+0:47

Technicain: Ben Johnson Water Level Meter #: PZS 1537275

Notes: Level at PW-3-85 taken at old electrical port.

8/15/15 @ 1200 am
*1 weird readings pumping and noisy *3 Time not old hrs
*2 PW-3U moving around a lot. *4 - well decommisioned

ANCHOR QEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
Elevation Wells											
MW-33U	10/12/15	—	1622	27.66	24.36	3.30	3.24	0.01	N	N	—
MW-34L	10/12/15	—	1616	26.91	21.64	5.27	5.50	0.03	N	N	—
MW-35U	10/12/15	—	0958	36.45	31.94	4.51	4.50	0.01	N	N	—
MW-36U	10/12/15	—	0955	37.93	32.87	5.06	5.07	+0.01	N	N	—
WS-12-125	10/12/15	—	0935	34.01	28.77	5.24	5.22	-0.02	N	N	—
WS-21-112	10/12/15	—	0953	34.69	29.90	4.79	4.77	-0.02	N	N	—
WS-26-86	10/12/15	—	0950	34.43	29.28	5.15	5.15	Ø	N	N	—
PW-1U	10/12/15	—	0941	37.5	52.72	-15.22	-15.24	+0.02	N	N	—
PW-1L	10/12/15	—	0947	37.32	45.92	-8.60	-8.57	+0.03	N	N	—
PW-2U	10/12/15	—	0957	36.7	34.31	2.39	2.39	Ø	N	N	—
PW-2L	10/12/15	—	1000	37.14	32.29	4.85	4.89	+0.04	N	N	—
PW-3U	10/12/15	—	1611	27.52	~~39.80~~	-9.66	-9.76	0.08	N	N	—
PW-3-118	10/12/15	—	1624	27.01	21.58	5.43	5.26	0.17	N	5.41	—
PW-11U	10/12/15	—	1615	26.78	44.50	-17.72	-17.72	0.00	N	N	—
Depth to Water Wells											
MW-5-32	10/12/15	1029	1027	27.72	23.22		23.23	0.01	N	N	+0:58
MW-5-175	10/12/15	1034	1034	27.12	22.10		22.11	0.01	N	N	+1:15
MW-34U	10/12/15	1040	1040	26.81	23.17		23.21	0.04	N	N	+1:03
OW-1F	10/12/15	0906	0906	37.60	31.42		31.47	0.05	N	31.42	+1:06
OW-2F	10/12/15	0902	0901	36.86	30.01		30.06	0.05	N	30.00	+1:15
PW-3-85	10/12/15	1045	1047	26.72	22.17		22.22	0.05	N	22.19	+3:28
WS-8-33	10/12/15	0923	0922	34.33	28.17	—	28.18	0.01	N	N	+1:01
WS-8-59	10/12/15	0927	0925	34.21	28.63		28.63	0.00	N	N	+0:21
~~WS-11-161~~	—	—	—	~~33.06~~	—	—	—	—	—	—	—
WS-12-161	10/12/15	0932	0930	34.02	29.13		29.14	0.01	N	N	-0:37
WS-47-183	10/12/15	0916	0914	32.37	28.18		28.30	0.12	N	28.19	+3:40
PZ9-5	10/12/15	1249	1250	12.09	7.31	—	6.96	0.35	N	7.32	+2:48
*1 PZ9-50	10/12/15	1256	1254	11.62	8.36		8.37	0.01	N	N	+1:03
PZ9-75	10/12/15	1303	1302	11.57	7.76		7.77	0.01	N	N	+0:39
PZ9-110	10/12/15	1259	1257	12.19	6.28		6.31	0.03	N	N	+0:14
PZ9-150	10/12/15	1306	1306	11.33	7.84		7.86	0.02	N	N	+1:10

Technicain: Water Level Meter #:

Notes: Level at PW-3-85 taken at old electrical port.

*1 Fill damaged

9/12/15 [illegible]

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U	10/12/15	—	1452	22.38	19.05	3.33	3.30	0.03	N	N	—
MW-21-75	10/12/15	—	1454	23.03	19.25	3.78	3.79	0.01	N	N	—
MW-22-80	10/12/15	—	1440	35.89	32.65	3.24	3.27	0.03	N	N	—
MW-22U	10/12/15	—	1438	36.37	32.46	3.91	3.88	0.03	N	N	—
MW-23-75	10/12/15	—	1450	34.78	31.13	3.65	3.62	0.03	N	N	
MW-23U	10/12/15	—	1449	35.51	31.95	3.56	3.55	0.01	N	N	—
MW-24-70	10/12/15	—	1534	33.74	30.92	2.84	2.82	0.02	N	N	—
MW-24-130	10/12/15	—	1536	33.66	28.99	4.67	4.66	0.01	N	N	—
MW-25L	10/12/15	—	1434	34.12	31.09	3.03	3.01	0.02	N	N	—
MW-26U	10/12/15	—	1546	33.93	30.78	3.15	3.18	0.03	N	N	—
MW-27L	10/12/15	—	1649	34.16	29.30	4.86	4.85	0.01	N	N	—
MW-28U	10/12/15	—	1600	34.73	29.92	4.81	4.80	0.01	N	N	—
MW-28L	10/12/15	—	1601	34.87	29.80	5.07	5.05	0.02	N	N	—
MW-29U	10/12/15	—	1604	34.84	32.81	2.03	2.03	0.00	N	N	—
MW-30U	10/12/15	—	1605	30.46	27.69	2.77	2.82	0.05	N	2.77	—
MW-31L	10/12/15	—	1630	28.53	22.97	5.56	5.58	0.02	N	N	—
MW-32U	10/12/15	—	1628	28.48	25.64	2.84	2.84	0.00	N	N	—
MW-37U	10/12/15	—	1552	34.90	31.67	3.23	3.24	0.01	N	N	—
*1 MW-38U	10/12/15	—	1556	34.74	31.84	2.90	2.90	0.00	N	N	—
PW-4U	10/12/15	—	1635	31.01	43.60	-12.59	-12.66	0.07	N	N	—
PW-4L	10/12/15	—	1633	30.27	24.55	5.72	5.72	0.00	N	N	—
PW-5U	10/12/15	—	1564	34.82	41.72	-6.90	-6.96	0.06	N	N	—
PW-5L	10/12/15	—	1553	34.19	29.26	4.93	4.91	0.02	N	N	—
PW-6U	10/12/15	—	1542	33.93	29.93	4.00	4.23	0.23	N	N	—
PW-6L	10/12/15	—	1540	33.32	28.66	4.66	4.63	0.03	N	N	—
PW-7-93	10/12/15	—	1532	26.81	32.74	-5.93	-5.88	0.05	N	N	—
PW-8-39	10/12/15	—	1444	25.75	21.62	4.13	4.10	0.03	N	N	—
PW-8-68	10/12/15	—	1446	27.18	27.10	0.08	0.10	0.02	N	N	—
PW-9-92	10/12/15	—	1442	35.84	33.00	2.84	2.84	0.00	N	N	—
PW-10L	10/12/15	—	1437	33.40	43.86	-10.46	-10.46	0.00	N	N	—
PW-12U	10/12/15	—	1631	28.58	42.30	-13.72	-13.64	0.08	N	N	—
PW-13U	10/12/15	—	1557	34.60	51.05	-16.45	-16.49	0.04	N	N	—
PW-14U	10/12/15	—	1547	34.68	34.70	-0.02	0.00	0.02	N	N	—
PW-15U	10/12/15	—	1531	27.01	28.00	-0.99	-0.92	0.07	N	N	—
*3 PW-16U	10/12/15	—	1525	28.13	30.10	-1.97	-2.37	0.40	N	N	—
*2 PZ1-5	10/12/15			35.98	DRY						
PZ1-20	10/12/15	—	1500	36.34	31.64	4.70	4.67	0.03	N	N	—
PZ1-50	10/12/15	—	1500	37.58	33.74	3.84	3.83	0.01	N	N	—
PZ2-5	10/12/15	—	1503	37.83	33.49	4.34	4.40	0.06	N	4.36	—
PZ2-20	10/12/15	—	1505	37.81	33.63	4.18	4.19	0.01	N	N	—
PZ2-43	10/12/15	—	1506	37.87	33.70	4.17	4.20	0.03	N	N	—
PZ2-77	10/12/15	—	1507	38.55	34.40	4.15	4.15	0.00	N	N	—
PZ4-12	10/12/15	—	1519	34.59	29.95	4.64	4.63	0.01	N	N	—
PZ4-41	10/12/15	—		34.48	30.03	4.45	4.46	0.01	N	N	—
River 1 (U/S)	10/12/15	—	1516	34.41	29.56	4.85	4.80	0.05	N		—
River 2 (D/S)				34.39	29.56	4.83	4.86	0.03	N	N	—

Technicain: Water Level Meter #:

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

*1 Full download
*2 Couldn't get it past the transducer.
*3 Bad fluctuations hard to get reading

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-1-55	10/13/15	0925	0927	35.64	30.11		30.12	0.01	N	N	+0:37
MW-1-82	10/13/15	0932	0935	35.95	31.71		32.25	0.54	N	31.71	+1:32
MW-3-56	10/13/15	1013	1015	34.02	30.42		30.46	0.04	N	N	+1:03
MW-4-57	10/12/15	1115	1110	34.48	30.65		30.76	0.11	N	~~30.44~~ 30.44	-0:08
MW-16-45	10/13/15	1114	1116	33.10	28.59		28.57	0.02	N	N	+1:05
MW-16-65	10/13/15	1020	1023	33.13	29.89		29.99	0.10	N	29.88	+1:05
MW-18-30	10/13/15	1057	1101	34.18	27.79		27.74	0.05	N	27.79	+3:02
MW-18-125	10/13/15	1044	1046	34.57	29.79		29.79	0.00	N	N	+0:58
MW-18-180	10/13/15	1050	1052	33.81	28.77		28.80	0.03	N	N	+1:41
MW-19-22	10/12/15	1055	1055	29.72	22.98		23.01	0.03	N	N	+1:12
MW-19-125	10/12/15	1101	1059	29.33	24.63		24.64	0.01	N	N	+0:57
MW-19-180	10/12/15	1106	1105	29.73	24.89		24.88	0.01	N	N	+1:09
MW-21-115	10/13/15	0916	0917	23.35	16.21		16.20	0.01	N	N	+0:59
MW-21-165	10/13/15	0913	0913	23.06	17.39		17.38	0.01	N	N	+1:50
MW-27U	10/13/15	1107	1109	34.18	31.04		31.05	0.01	N	N	+1:07
MW-31U	10/12/15	1045	1050	28.37	23.65		23.68	0.03	N	N	+1:12
OW-5F	10/12/15	1023	1023	34.70	29.58		29.60	0.02	N	N	+1:23
OW-7-17	10/13/15	1006	1009	26.42	16.42		16.44	0.02	N	N	+1:20
*4 OW-8-15	10/13/15	1001	0959	26.31	Dry?		17.08	—	N	N	+2:39
*3 *1 OW-9-25	10/13/15	0949	0951	35.29	27.31		27.33	0.02	X	27.21	-8:31
*1 OW-10F	10/13/15	0941	0944	33.75	26.17		26.18	0.01	N	N	+0:57
PZ5-5	10/12/15	1403	1400	16.46	8.76		8.80	0.04	N	N	-1:27
PZ5-20	10/12/15	1406	1408	16.20	10.08		10.11	0.03	N	N	-0:08
PZ5-55	10/12/15	1410	1413	16.25	12.69		12.72	0.03	N	N	+1:27
PZ5-85	10/12/15	1415	1418	16.38	12.78		12.79	0.01	N	N	+2:32
PZ6-5	10/12/15	1341	1341	14.72	9.76		9.77	0.01	N	N	+1:45
PZ6-50	10/12/15	1345	1343	14.88	12.33		10.06	2.27	N	12.34	-0:18
PZ6-115	10/12/15	1351	1351	13.79	10.03		10.07	0.04	N	N	+1:20
PZ6-150	10/12/15	1356	1354	14.15	10.25		10.28	0.03	N	N	-2:18
*2 PZ7-5	10/12/15	1312	1311	16.36	9.38		9.38	0.07	N	9.37	+0:32
PZ7-50	10/12/15	1317	1315	16.40	13.24		13.24	0.00	N	N	+0:30
PZ7-100	10/12/15	1321	1319	16.13	12.28		12.30	0.04	N	N	+1:36
PZ7-150	10/12/15	1325	1325	15.50	11.55		11.61	0.06	N	11.56	+2:47
PZ8-5	10/12/15	1421	1425	12.21	7.51		7.12	0.39	Y	7.54	+2:49
PZ8-50	10/12/15	1428	1430	12.45	9.20		9.21	0.01	N	N	+1:39

Technicain: Water Level Meter #: 1537275 (clean wells)

*2 F-11 downloaded Warning 9/12/15 @0000

*3 Downloaded two tests one started on 9/15/15? Had to get water level

*4 OW-8-15 dry? no DTW possible pressure = Ø

Rugged Tender DTW Readings visible upon hoisting up? 0.2' then drops into agreement?

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)	
PZ1-5	10/21/15	N/A	0817	35.98	29.99	5.99	0.00	+5.99	N	—	—	
↓	↓	↓	0836	↓	29.86	6.12	6.08	-0.04	N	6.14	-3:35	(1)
			1531		29.83	6.15	6.42	+0.27	N	6.15	-3:37	
			1602		29.83	6.15	NEW	—	N	6.15	0:00	(2)

Technicain: D. Laffoon Water Level Meter #: 1537275

(1) DTB = 31.30, moved transducer to 0.3' off bottom

(2) Transducer not connecting to ConTroll Pro, pulled transducer #155849 & cable #225277. Installed transducer #424760 & cable #254690

ANCHOR QEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
Elevation Wells											
MW-33U	11/3/15	—	1242	27.66	22.93	4.73	4.73	Ø	N	NA	—
MW-34L	11/3/15	—	1244	26.91	20.60	6.31	6.34	+0.03	N	NA	—
MW-35U	11/3/15	—	0858	36.45	30.62	5.83	5.86	0.03	N	N	+0:42
MW-36U	11/2/15	1503	1030	37.93	30.80	7.13	7.12	-0.01	N	N	+3:02
WS-12-125	11/2/15	—	1051	34.01	26.53	7.48	7.46	-0.02	N	N	—
WS-21-112	11/2/15	1156	1039	34.69	27.38	7.31	7.27	-0.04	N	N	-0:48
WS-26-86	11/2/15	—	1046	34.43	26.97	7.46	7.45	-0.01	N	N	—
PW-1U	11/2/15	—	1121	37.5	53.80	-16.30	-16.26	+0.04	N	N	— *
PW-1L	11/2/15	—	1128	37.32	43.94	-6.62	-6.57	Ø	N	N	—
PW-2U	11/2/15	1142	1141	36.7	31.97	4.73	4.71	-0.02	N	N	—
PW-2L	11/2/15	1246	1244	37.14	30.55	6.59	6.62	+0.03	N	N	—
PW-3U	11/3/15	—	1254	27.52	36.24	-8.72	~~-11.~~ -8.76	-0.04	N	NA	—
PW-3-118		—	1239	27.01	20.54	6.50	6.30	-0.20	N	~~6.46~~	—
PW-11U	↓	—	1251	26.78	43.94	-17.15	-17.16	-0.01	N	NA	—
Depth to Water Wells											
MW-5-32	11/6/15	1526	1528	27.72	22.34		22.34	0.00	N	N	+0:33
MW-5-175	11/5/15	1532	1534	27.12	20.94		20.95	+0.01	N	N	+0:53
MW-34U	11/5/15	1539	1541	26.81	22.07		22.09	+0.02	N	N	+0:36
OW-1F	11/2/15	0910	0910	37.60	30.72		30.73	0.01	N	N	+0:31
OW-2F	11/2/15	0903	0904	36.86	28.87		28.87	0.00	N	N	+0:31
PW-3-85	11/5/15	1545	1549	26.72	21.06		21.07	+0.01	N	N	+3:44
WS-8-33	11/2/15	1103	1102	34.33	27.39		27.39	Ø	N	N	-0:57
WS-8-59	11/2/15	1107	1106	34.21	26.66		26.67	+0.01	N	N	-1:48
~~WS-11-161~~	—	—	—	33.06	—		—	—	—	—	—
WS-12-161	11/2/15	1058	1056	34.02	26.73		26.72	-0.01	N	N	-3:00
WS-47-183	11/2/15	0920	0922	32.37	26.34		26.35	0.01	N	N	+3:43
PZ9-5	11/3/15	1540	1541	12.09	6.09		6.17	+0.08	N	6.08	+2:27
PZ9-50		1545	1546	11.62	6.46		6.44	-0.02		NA	+1:35
PZ9-75		1547	1548	11.57	6.66		6.64	-0.02			-0:30
PZ9-110		1549	1550	12.19	6.08		6.09	+0.01			+0:21
PZ9-150	↓	1552	1553	11.33	6.17		6.17	Ø	↓	↓	+0:40

Technicain: LAFFOON / JOHNSON Water Level Meter #:

Notes: Level at PW-3-85 taken at old electrical port.

10/1/15 @ 1200 AM

* - need to clean out iron oxide in drop tube

* WS-47-183 test named incorrectly as WS-43-187

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
					Calibration Check						
MW-21U	11/3/15	—	1428	22.38	17.33	5.05	5.05	Ø	N	NA	—
MW-21-75		—	1426	23.03	17.37	5.66	5.68	+0.02			—
MW-22-80		—	1445	35.89	30.63	5.26	5.28	+0.02			—
MW-22U		—	1447	36.37	30.41	5.96	5.92	-0.04			—
MW-23-75		—	1431	34.78	29.27	5.51	5.50	-0.01			—
MW-23U		—	1433	35.51	29.80	5.71	5.69	-0.02			—
MW-24-70		—	1356	33.74	29.16	4.58	4.59	+0.01			—
MW-24-130		—	1358	33.66	27.63	6.03	6.01	-0.02			—
MW-25L		—	1453	34.12	29.08	5.04	5.02	+0.02			—
MW-26U		—	1327	33.93	29.19	4.74	4.85	+0.11	N	4.75	—
MW-27L		—	1323	34.16	27.93	6.23	6.23	Ø	N	NA	—
MW-28U		—	1307	34.73	28.50	6.23	6.21	-0.02			—
MW-28L		—	1304	34.87	28.52	6.35	6.32	-0.03			—
MW-29U		—	1301	34.84	31.04	3.80	3.80	Ø			—
MW-30U		—	1259	30.46	25.99	4.47	4.43	-0.04			—
MW-31L		—	1236	28.53	21.97	6.56	6.54	-0.02			—
MW-32U		—	1238	28.48	24.24	4.24	4.22	-0.02			—
MW-37U		—	1321	34.90	29.95	4.95	4.91	-0.04			—
MW-38U		—	1311	34.74	30.17	4.57	4.61	+0.04			—
PW-4U	11/3/15	—	1229	31.01	42.96	-11.95	-12.98	+0.03	N	NA	—
PW-4L		—	1231	30.27	23.60	6.67	6.67	Ø	N	NA	—
PW-5U		—	1315	34.82	38.87	-4.05	-4.30	+0.25	N	-4.05	—
PW-5L		—	1318	34.19	27.95	6.24	6.26	+0.02	N	NA	—
PW-6U		—	1337	33.93	36.90	-2.97	-2.94	-0.03	N	NA	—
PW-6L		—	1340	33.32	27.26	6.06	6.06	Ø			—
PW-7-93		—	1353	26.81	32.40	-5.59	-5.57	+0.02			—
PW-8-39		—	1408	25.75	19.87	5.88	5.89	+0.01			—
PW-8-68		—	1440	27.18	42.10	-14.92	-14.95	-0.03			—
PW-9-92		—	1443	35.84	31.73	4.11	4.11	Ø			—
PW-10L		—	1450	33.40	41.68	-8.28	-8.11	+0.17		-8.28	—
PW-12U		—	1234	28.58	42.93	-13.35	-13.31	+0.04		NA	—
PW-13U		—	1309	34.60	48.89	-14.29	-14.27	+0.02			—
PW-14U		—	1325	34.68	32.80	1.88	1.86	-0.02			—
PW-15U		—	1349	27.01	26.20	0.81	0.82	+0.01			—
PW-16U		—	1346	28.13	24.00	4.13	4.15	+0.02			—
PZ1-5	11/3/15	—	1417	35.98	28.71	7.27	7.39	+0.12	N	7.29	—
* PZ1-20		—	1420	36.34							
PZ1-50		—	1423	37.58	31.97	5.61	5.60	-0.01	N	NA	—
* PZ2-5		—	1408	37.83	31.68	6.15	6.12	-0.03			—
PZ2-20		—	1410	37.81	31.87	5.94	6.97	+0.03			—
PZ2-43		—	1414	37.87	31.98	5.88	5.82	-0.06		5.87	—
PZ2-77		—	1412	38.55	32.70	5.85	5.85	Ø		NA	—
PZ4-12		—	1402	34.59	28.34	6.25	6.29	+0.04			—
PZ4-41		—	1404	34.48	28.50	5.98	6.01	+0.03			—
River 1 (U/S)	11/3/15	—	1406	34.41	28.16	6.25	6.28	+0.03	N	NA	—
River 2 (D/S)		—	1406	34.39	28.16	6.25	6.28	+0.03	N	NA	—

Technicain: LAFFOON / JOHNSON Water Level Meter #:

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

* Replaced probes PZ1-20 not connecting to Control Pc
PZ2-5 not connecting at -11.

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check												
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U	11/6/15	1017	—	22.38	—	—	—	—	N	N	-2:53
MW-21-75	11/6/15	1020	—	23.03	—	—	—	—	N	N	-3:39
MW-22-80	11/6/15	0910	—	35.89	—	—	—	—	N	N	+1:25
MW-22U	11/6/15	0913	—	36.37	—	—	—	—	N	N	-3:09
MW-23-75	11/6/15	0945	—	34.78	—	—	—	—	N	N	+0:23
MW-23U	11/6/15	0947	—	35.51	—	—	—	—	N	N	+1:30
MW-24-70				33.74							
MW-24-130				33.66							
MW-25L	11/6/15	0925	—	34.12	—	—	—	—	N	N	+0:48
MW-26U				33.93							
MW-27L				34.16							
MW-28U				34.73							
MW-28L				34.87							
MW-29U				34.84							
MW-30U				30.46							
MW-31L				28.53							
MW-32U				28.48							
MW-37U				34.90							
MW-38U				34.74							
PW-4U				31.01							
PW-4L				30.27							
PW-5U				34.82							
PW-5L				34.19							
PW-6U				33.93							
PW-6L				33.32							
PW-7-93				26.81							
PW-8-39	11/6/15	0857	—	25.75	—	—	—	—	N	N	+4:44
PW-8-68	11/6/15	0855	—	27.18	—	—	—	—	N	N	+0:55
PW-9-92	11/6/15	0901	—	35.84	—	—	—	—	N	N	+1:26
PW-10L	11/6/15	0917	—	33.40	—	—	—	—	N	N	+0:31
PW-12U				28.58							
PW-13U				34.60							
PW-14U				34.68							
PW-15U				27.01							
PW-16U				28.13							
PZ1-5	11/6/15	1008	—	35.98	—	—	—	—	N	N	+5:03
PZ1-20	11/6/15	1010	—	36.34	—	—	—	—	N	N	+5:54
PZ1-50	11/6/15	1012	—	37.58	—	—	—	—	N	N	+0:51
*1 PZ2-5	11/6/15	1005		37.83							
*2 PZ2-20	11/6/15	0958	—	37.81	—	—	—	—	N	N	+5:55
PZ2-43	11/6/15		—	37.87	—	—	—	—	N	N	+1:38
PZ2-77	11/6/15	1002	—	38.55	—	—	—	—	N	N	+1:11
PZ4-12				34.59							
PZ4-41				34.48							
River 1 (U/S)				34.41							
River 2 (D/S)				34.39							

Technicain: Ben J Water Level Meter #:

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

*2 Hardware Rust

*1 Wouldn't Connect

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-1-55	11/6/15	0931	0932	35.64	32.97		32.98	0.01	N	N	+0:03
MW-1-82	11/6/15	0937	0940	35.95	33.53		34.06	0.53	N	33.57	+2:07
MW-3-56	11/6/15	1035	1037	34.02	31.84		31.90	+0.06	N	31.83	+0:35
MW-4-57	11/6/15	0823	0825	34.48	31.34		31.29	-0.05	N	N	-0:53
MW-16-45	11/3/15	1124	1126	33.10	27.64		27.64	0.00	N	N	+0:28
MW-16-65	11/6/15	0840	0841	33.13	31.10		31.07	-0.03	N	N	+0:35
MW-18-30	11/3/15	1113	1117	34.18	26.98		26.97	-0.01	N	N	+2:54
MW-18-125	11/5/15	1512	1514	34.57	28.45		28.44	-0.01	N	N	+0:25
MW-18-180	11/5/15	1508	1510	33.81	27.37	—	27.38	+0.01	N	N	+1:20
MW-19-22	11/5/15	1554	1556	29.72	21.82		21.85	+0.03	N	N	+0:50
MW-19-125	11/6/15	1559	1601	29.33	23.47		23.47	0.00	N	N	+0:29
MW-19-180	11/6/15	1603	1605	29.73	23.32		23.32	0.00	N	N	+0:46
MW-21-115	11/6/15	1025	1027	23.35	19.96		19.96	0.00	N	N	+0:30
MW-21-165	11/6/15	1030	1032	23.06	19.23		19.21	0.02	N	N	+1:37
MW-27U	11/3/15	1118	1120	34.18	29.60		29.63	+0.03	N	N	+0:30
MW-31U	11/5/15	1550	1552	28.37	22.50		22.50	0.00	N	N	+0:50
OW-5F	11/5/15	1519	1521	34.70	28.13		28.18	+0.05	N	28.13	+1:04
OW-7-17	11/6/15	0846	0848	26.42	15.77		15.81	+0.04	N	N	+0:56
OW-8-15	11/6/15	0851	0853	26.31	16.63		16.63	0.00	N	N	+1:21
OW-9-25	11/6/15	0904	0902	35.29	26.95		26.85	-0.10	N	N	-3:12
OW-10F	11/6/15	0920	0921	33.75	25.86		25.86	0.00	N	N	+0:28
PZ5-5	11/3/15	1502	1505	16.46	7.75		7.73	-0.02	N	NA	-4:07
PZ5-20		1506	1507	16.20	8.82		8.78	-0.04			-2:53
PZ5-55		1509	1510	16.25	10.70		10.74	+0.04			-0:28
PZ5-85		1512	1513	16.38	10.84		10.85	+0.01			+0:55
PZ6-5		1317	1318	14.72	8.59		8.55	-0.04			+1:19
PZ6-50		1320	1321	14.88	10.57		10.57	Ø			-2:19
PZ6-115		1322	1323	13.79	8.09		8.09	Ø			+1:35
PZ6-150		1324	1325	14.15	8.29		8.32	+0.03			-2:38
*PZ7-5		1328	1329	16.36	7.39		7.42	+0.03			+0:11
PZ7-50		1331	1332	16.40	11.56		11.53	-0.03			+0:06
PZ7-100		1333	1334	16.13	10.42		10.42	Ø			+1:11
PZ7-150		1336	1337	15.50	9.73		9.74	+0.01			+2:42
PZ8-5		1455	1456	12.21	5.94		6.07	+0.13		6.03	-1:49
PZ8-50		1458	1459	12.45	7.23		7.20	-0.03		NA	-0:12
*2 MW-1-82	11/6/15	1552									

Technicain: LAFFOON / JOHNSON Water Level Meter #: 1537275

*- Hardware warning

*1 Dry? PSI = 0.2

*2 Installed probe #155662 in MW-1-82

Removed 396703

ANCHOR OEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

			Calibration Check								
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
Elevation Wells											
MW-33U				27.66							
MW-34L				26.91							
MW-35U				36.45							
MW-36U				37.93							
WS-12-125				34.01							
WS-21-112				34.69							
WS-26-86				34.43							
PW-1U	11/11/15	—	0914	37.5	52.28	-14.78	-13.26	-1.52	N	-14.70	<2:00 *
PW-1L				37.32							
PW-2U				36.7							
PW-2L				37.14							
PW-3U				27.52							
PW-3-118				27.01							
PW-11U				26.78							
Depth to Water Wells											
MW-5-32				27.72							
MW-5-175				27.12							
MW-34U				26.81							
OW-1F				37.60							
OW-2F				36.86							
PW-3-85				26.72							
WS-8-33				34.33							
WS-8-59				34.21							
WS-12-161				34.02							
WS-47-183				32.37							
PZ9-5				12.09							
PZ9-50				11.62							
PZ9-75				11.57							
PZ9-110				12.19							
PZ9-150				11.33							

Technicain: LAFOON Water Level Meter #: 1537275

Notes: Level at PW-3-85 taken at old electrical port.

* - transducer was non-responsive due to loose wire, now operating normally

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U				22.38							
MW-21-75				23.03							
MW-22-80				35.89							
MW-22U				36.37							
MW-23-75				34.78							
MW-23U				35.51							
MW-24-70				33.74							
MW-24-130				33.66							
MW-25L				34.12							
MW-26U				33.93							
MW-27L				34.16							
MW-28U				34.73							
MW-28L				34.87							
MW-29U				34.84							
MW-30U				30.46							
MW-31L				28.53							
MW-32U				28.48							
MW-37U				34.90							
MW-38U				34.74							
PW-4U				31.01							
PW-4L				30.27							
PW-5U				34.82							
PW-5L				34.19							
PW-6U				33.93							
PW-6L				33.32							
PW-7-93				26.81							
PW-8-39				25.75							
PW-8-68				27.18							
PW-9-92				35.84							
PW-10L				33.40							
PW-12U				28.58							
PW-13U				34.60							
PW-14U				34.68							
PW-15U				27.01							
PW-16U				28.13							
PZ1-5				35.98							
PZ1-20	11/11/15	—	1051	36.34	30.28	6.06	6.09	+0.03	N	N	+4:12 *
~~PZ1-50~~	11/11/15	—	1113	~~37.58~~	30.34	6.00	6.00	Ø	N	N	—
PZ2-5				37.83							
PZ2-20				37.81							
PZ2-43				37.87							
PZ2-77				38.55							
PZ4-12				34.59							
PZ4-41				34.48							
River 1 (U/S)				34.41							
River 2 (D/S)				34.39							

Technicain: LAEFON Water Level Meter #: 1537275

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

* - Transducer not connected to ConTroll Pro, check wiring at ConTroll Pro and transducer, replaced transducer - all OK. Reinstalled original transducer, changed out stripped & tinned cable, now connected, operating normally

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

				Calibration Check								
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)	
MW-1-55				35.64								
MW-1-82				35.95								
MW-3-56				34.02								
MW-4-57				34.48								
MW-16-45				33.10								
MW-16-65				33.13								
MW-18-30				34.18								
MW-18-125				34.57								
MW-18-180				33.81								
MW-19-22				29.72								
MW-19-125				29.33								
MW-19-180				29.73								
MW-21-115				23.35								
MW-21-165				23.06								
MW-27U				34.18								
MW-31U				28.37								
OW-5F				34.70								
OW-7-17				26.42								
OW-8-15				26.31								
OW-9-25				35.29								
OW-10F				33.75								
PZ5-5				16.46								
PZ5-20				16.20								
PZ5-55				16.25								
PZ5-85				16.38								
PZ6-5				14.72								
PZ6-50				14.88								
PZ6-115				13.79								
PZ6-150				14.15								
PZ7-5	11/11/15	1351	1356	16.36	7.45		—	—	Y	7.45	-0.04	*
PZ7-50				16.40								
PZ7-100				16.13								
PZ7-150				15.50								
PZ8-5				12.21								
PZ8-50				12.45								

Technicain: LAFFOON Water Level Meter #: 1537275

*- Pulled 322306 due to "Hardware Reset", installed Aqua Troll # 420053

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U	12/8/15	—	1135	22.38	12.52	9.86	9.83	+0.03	N	—	—
MW-21-75		—	1145	23.03	11.60	11.43	11.43	0.00	N	—	—
MW-22-80		—	1159	35.89	24.39	11.50	11.51	-0.01	N	—	—
MW-22U		—	1157	36.37	24.82	11.55	11.52	+0.03	N	—	—
MW-23-75		—	1228	34.78	23.30	11.48	11.46	+0.02	N	—	—
MW-23U		—	1226	35.51	24.34	11.17	11.13	+0.04	N	—	—
MW-24-70		—	1032	33.74	23.90	9.84	9.82	+0.02	N	—	—
MW-24-130		—	1033	33.66	22.05	11.61	11.58	+0.03	N	—	—
MW-25L		—	1150	34.12	22.67	11.45	11.43	+0.02	N	—	—
MW-26U		—	1009	33.93	24.17	9.76	9.64	+0.13	N	9.78	—
MW-27L		—	1006	34.16	22.54	11.62	11.61	+0.01	N	—	—
MW-28U		—	0949	34.73	23.24	11.49	11.47	+0.02	N	—	—
MW-28L		—	0948	34.87	23.21	11.66	11.63	+0.03	N	—	—
MW-29U	12/8/15	—	09:09	34.84	25.30	9.54	9.56	+0.02	N	—	—
MW-30U		—	09:11	30.46	20.83	9.63	9.62	+0.01	N	—	—
MW-31L		—	09:31	28.53	16.83	11.70	11.68	+0.02	N	—	—
MW-32U		—	09:29	28.48	19.55	8.93	8.91	+0.02	N	—	—
MW-37U		—	0959	34.90	24.99	9.91	9.93	-0.02	N	—	—
MW-38U		—	0951	34.74	24.96	9.78	9.82	-0.04	N	—	—
PW-4U	12/8/15	—	09:36	31.01	29.00	2.01	2.00	+0.01	N	—	—
PW-4L		—	09:35	30.27	15.50	11.77	11.81	-0.04	N	—	—
PW-5U		—	0956	34.82	32.70	2.12	2.09	+0.03	N	—	—
PW-5L		—	0958	34.19	22.60	11.59	11.63	~~-0.04~~	-0.04 N	—	—
PW-6U		—	1016	33.93	~~32.44~~	~~2.07~~ 2.09	2.06	+0.01	N	—	—
PW-6L		—	1019	33.32	31.80 31.75	11.57	11.54	+0.03	N	—	—
PW-7-93		—	12:16	26.81	32.93	-6.12	-6.09	-0.03	N	—	—
PW-8-39(U)		—	12:09	25.75	17.80	~~9.78~~ 8.05	8.09	-0.04	N	—	—
PW-8-68(L)		—	12:03	27.18	38.65	-11.47	-11.43	0.04	N	—	—
PW-9-92(L)		—	12:01	35.84	25.74	10.10	10.09	+0.01	N	—	—
PW-10L		—	11:52	33.40	24.10	9.3	9.14	+0.16	N	9.3	—
PW-12U		—	09:32	28.58	42.61	-14.03	-14.08	-0.05	N	—	—
PW-13U		—	0950	34.60	39.72	-5.12	-5.09	+0.03	N	—	—
PW-14U		—	1007	34.68	27.82	6.86	6.85	+0.01	N	—	—
PW-15U		—	1030	27.01	~~21.23~~ 21.15	~~5.78~~ 5.86	~~-3.56~~ -5.86	-0.03	N	—	—
PW-16U		—	1036	28.13	~~32.00~~	~~-3.87~~	~~-4.33~~	~~3.5~~ 0.15	N	—	—
PZ1-5	12/8/15	—	1128	35.98	~~24.33~~ 24.33	~~11.65~~ 11.66	~~11.62~~ 11.69	-0.03	N	—	—
PZ1-20		—	1130	36.34	24.83	11.51	~~11.51~~ 11.48	-0.03	N	—	—
PZ1-50		—	113	37.58	26.22	11.36	11.35	0.01	N	—	—
PZ2-5		—	1107	37.83	26.07	11.76	11.76	0.00	N	—	—
PZ2-20		—	1116	37.81	26.33	11.48	11.51	-0.03	N	—	—
PZ2-43		—	1119	37.87	26.36	11.51	11.54	-0.03	N	—	—
PZ2-77		—	1122	38.55	27.04	11.51	11.59	0.08	N	11.51	—
PZ4-12		—	1040	34.59	23.04	11.55	11.62	-0.07	N	11.55	—
PZ4-41		—	1044	34.48	22.93	11.55	11.57	-0.02	N	—	—
River 1 (U/S)		—	1048	34.41	22.57	11.84	11.90	-0.06	N	11.84	—
River 2 (D/S)		—	1049	34.39	22.57	11.82	11.91	-0.08	N	11.84	—

Technicain: EAFFOON / JOHNSON / WILS / [illegible] Water Level Meter #: 1537275 / 1537274 (ONAEL)

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

Calibration Check

Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-1-55		~~13:40~~		35.64							
MW-1-82				35.95							
MW-3-56				34.02							
*1 MW-4-57	12/8/15	15:01	15:00	34.48	23.53		23.62	0.09	N	23.54	-0:56
*1 MW-16-45	12/8/15	1530		33.10	22.92		23.02	0.10	N	22.92	+0:56
*1 MW-16-65	12/8/15	1523	1527	33.13	22.96		22.99	0.03	N	N	+0:54
MW-18-30	12/8/15	1552	1553	34.18	26.50		26.60	0.08	N	26.55	-4:08
MW-18-125	12/8/15	1352	1353	34.57	22.62		22.49	0.03	N	N	+0:39
MW-18-180	12/8/15	13:40	1350	33.81	21.41		21.37	0.04	N	N	+1:51
*1 MW-19-22	12/8/15	1439	1441	29.72	16.94		17.14	0.15	N	16.98	+1:11
*1 MW-19-125	12/8/15	1447	1450	29.33	16.92		17.03	0.11	N	16.92	+0:45
*1 MW-19-180	12/8/15	1453	1455	29.73	17.07		17.16	0.09	N	17.08	+1:06
MW-21-115				23.35							
MW-21-165				23.06							
MW-27U	12/8/15	1540	1543	34.18	23.67		23.85	0.18	N	23.68	+0:55
MW-31U	12/8/15	1430	1433	28.37	16.16		16.21	0.05	N	16.13	+0:50
OW-5F	12/8/15	1356	1400	34.70	23.52		23.51	0.01	N	N	+1:29
OW-7-17				26.42							
OW-8-15				26.31							
OW-9-25				35.29							
OW-10F				33.75							
PZ5-5	12/9/15	09:32	—	16.46	—		—	—	N	—	-3:14
PZ5-20		09:36	—	16.20	—		—	—	N	—	-2:11
PZ5-55		0939	—	16.25	—		—	—	N	—	-1:36
PZ5-85		0941	—	16.38	—		—	—	N	—	+3:27
PZ6-5	12/9/15	0916	—	14.72	—		—	—	N	—	+2:16
PZ6-50	12/9/15	0920	—	14.88	—		—	—	N	—	-1:40
PZ6-115	12/9/15	0923	—	13.79	—		—	—	N	—	+3:17
PZ6-150	12/9/15	09:26	—	14.15	—		—	—	N	—	-2:19
PZ7-5	12/9/15	08:56	—	16.36	—		—	—	N	—	+2:09
*2 PZ7-50	12/9/15	08:59	—	16.40	—		—	—	N	—	+0:46
PZ7-100	12/9/15	09:04	—	16.13	—		—	—	N	—	+1:48
PZ7-150	12/9/15	09:11	—	15.50	—		—	—	N	—	+3:52
PZ8-5	12/9/15	0948	—	12.21	—		—	—	N	—	+0:23
PZ8-50		0951	—	12.45	—		—	—	N	—	+1:51

Technicain: JOHNSON / HENNA Water Level Meter #: 1537274

*1 Readings consistently off. Water in connections?

*2 Downloaded PZ7-50 twice, caught that the start date had changed to 11/11/15
2nd DL time 09:08

PZ6-115 was flooded @ time of DL
PZ8s both flooded @ time of DL

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

Calibration Check												
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-1-55	12/8/15	1442	1444	35.64	23.55		23.55	Ø	—	—	-0:06
MW-1-82		1447	1449	35.95	23.69		23.69	Ø	—	—	+2.06
MW-3-56	↓	1419	1421	34.02	23.83		23.80	-0.03	—	—	+0:35
MW-4-57				34.48							
MW-16-45				33.10							
MW-16-65				33.13							
MW-18-30				34.18							
MW-18-125				34.57							
MW-18-180				33.81							
MW-19-22				29.72							
MW-19-125				29.33							
MW-19-180				29.73							
MW-21-115	12/8/15	1429	1430	23.35	11.10		11.10	Ø	—	—	+0:29
MW-21-165	12/8/15	1425	1427	23.06	10.36		10.37	+0.01	—	—	+1:55
MW-27U				34.18							
MW-31U				28.37							
OW-5F				34.70							
OW-7-17	12/8/15	1527	1529	26.42	11.60		11.63	+0.03	—	—	+1:04
OW-8-15	12/8/15	1522	1524	26.31	13.05		13.02	-0.03	—	—	+1:36
OW-9-25	12/8/15	1501	1503	35.29	23.18		23.18	Ø	YES	23.15	-6:53
OW-10F	12/8/15	1452	1453	33.75	22.46		22.46	-0.02	—	—	+0:26
PZ5-5				16.46							
PZ5-20				16.20							
PZ5-55				16.25							
PZ5-85				16.38							
PZ6-5				14.72							
PZ6-50				14.88							
PZ6-115				13.79							
PZ6-150				14.15							
PZ7-5				16.36							
PZ7-50				16.40							
PZ7-100				16.13							
PZ7-150				15.50							
PZ8-5				12.21							
PZ8-50				12.45							

Technicain: LAFFOON Water Level Meter #: 1537275

ANCHOR QEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
Elevation Wells											
MW-33U				27.66							
MW-34L				26.91							
MW-35U	12/7/15	—	0921	36.45	29.25	7.20	7.25	0.05	N	7.20	—
MW-36U			1025	37.93	30.05	7.88	7.88	0.00	N	N	—
WS-12-125	12/7/15	—	1014	34.01	26.78	7.17	7.94	0.03	N	N	—
WS-21-112				34.69	26.88	7.81	7.78	0.03	N	N	
WS-26-86			1035	34.43	26.51	7.92	7.95	0.03	N	N	
PW-1U			1028	37.5	49.00	-11.50	-11.34	0.16	N	N	—
PW-1L			1031	37.32	43.39	-6.07	-6.07	0.00	N	N	—
PW-2U			1024	36.7	31.28	5.42	5.44	0.02	N	N	—
PW-2L	12/7/15	—	1020	37.14	29.27	7.87	7.87	0.00	N	N	—
PW-3U				27.52							
PW-[illegible]-118				27.01							
[illegible]-1U				26.78							
Depth to Water Wells											
MW-5-32				27.72							
MW-5-175				27.12							
MW-34U				26.81							
OW-1F	12/7/15	0922	0935	37.60	29.68		29.68	0.00	N	N	+0.58
OW-2F	12/7/15	0927	0929	36.86	27.88		27.88	0.00	N	N	+1.12
PW-3-85				26.72							
WS-8-33	12/7/15	0948	0951	34.33	26.35		26.36	0.01	N	N	+0.50
WS-8-59	12/7/15	0955	0956	34.21	26.09		26.09	0.00	N	N	+0.16
WS-12-161	12/7/15	0959	1001	34.02	26.31		26.38	0.09	N	N	-1.52
WS-47-183	12/7/15	0939	0946	32.37	25.56		25.66	0.10	Y	25.56	+5.11
PZ9-5				12.09							
PZ9-50				11.62							
PZ9-75				11.57							
PZ9-110				12.19							
PZ9-150				11.33							

Technicain: JOHNSON/WILSON/HANNA Water Level Meter #: 1537275 / 1537274 (DNAPL)

Notes: Level at PW-3-85 taken at old electrical port.

1030 15

ANCHOR OEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
Elevation Wells											
MW-33U	12/8/15	—	09:22	27.66	18.15	9.51	9.52	-0.01	N	—	—
MW-34L	12/8/15	—	09:20	26.91	15.35	11.56	11.59	-0.03	N	—	—
MW-35U				36.45							
MW-36U				37.93							
WS-12-125				34.01							
WS-21-112				34.69							
WS-26-86				34.43							
PW-1U				37.5							
PW-1L				37.32							
PW-2U				36.7							
PW-2L				37.14							
PW-3U	12/8/15	—	09:14	27.52	41.53	-14.01	-13.96	+0.05	N	—	—
PW-3-118		—	09:24	27.01	15.39	11.62	11.44	-0.18	N	11.63	—
PW-11U		—	09:16	26.78	40.20	-13.42	-13.45	-0.03	N	—	—
Depth to Water Wells											
MW-5-32	12/9/15	14:04	1405	27.72	16.86		16.85	0.04	N	N	+0:49
MW-5-175	12/9/15	14:08	1410	27.12	14.73		14.72	0.01	N	N	+1:17
MW-34U	12/8/15	1416	1415	26.81	16.09		16.08	0.01	N	N	+0:58
OW-1F				37.60							
OW-2F				36.86							
PW-3-85	12/8/15	14:21	1423	26.72	14.83		14.81	0.02	Y	N/1453	+5:00
WS-8-33				34.33							
WS-8-59				34.21							
WS-12-161				34.02							
WS-47-183				32.37							
PZ9-5	12/9/15	08:38	—	12.09	—		—	—	N	—	+3:09
PZ9-50	12/9/15	08:40	—	11.62	—		—	—	N	—	+2:22
PZ9-75	12/9/15	08:45	—	11.57	—		—	—	N	—	-1:11
PZ9-110	12/9/15	08:47	—	12.19	—		—	—	N	—	-0:25
PZ9-150	12/9/15	08:51	—	11.33	—		—	—	N	—	~~-0:08~~ +1:08

Technicain: JOHNSON / HANNA Water Level Meter #: 1537275 / 1537274 (DMPG)

Notes: Level at PW-3-85 taken at old electrical port.

PZ-9's were flooded so manual DTW not taken

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

			Calibration Check								
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U				22.38							
MW-21-75				23.03							
MW-22-80				35.89							
MW-22U				36.37							
MW-23-75				34.78							
MW-23U				35.51							
MW-24-70				33.74							
MW-24-130				33.66							
MW-25L				34.12							
MW-26U				33.93							
MW-27L				34.16							
MW-28U				34.73							
MW-28L				34.87							
MW-29U				34.84							
MW-30U				30.46							
MW-31L				28.53							
MW-32U				28.48							
MW-37U				34.90							
MW-38U				34.74							
* PW-4U	12/11/15	—	1306	31.01	18.61	12.40	12.34	-2.06	—	12.40	—
PW-4L				30.27							
PW-5U				34.82							
PW-5L				34.19							
PW-6U				33.93							
PW-6L				33.32							
PW-7-93				26.81							
PW-8-39				25.75							
PW-8-68				27.18							
PW-9-92				35.84							
PW-10L				33.40							
PW-12U				28.58							
PW-13U				34.60							
PW-14U				34.68							
PW-15U				27.01							
PW-16U				28.13							
PZ1-5				35.98							
PZ1-20				36.34							
PZ1-50				37.58							
PZ2-5				37.83							
PZ2-20				37.81							
PZ2-43				37.87							
PZ2-77				38.55							
PZ4-12				34.59							
PZ4-41				34.48							
River 1 (U/S)				34.41							
River 2 (D/S)				34.39							

Technicain: LAFFOON / HANNA Water Level Meter #: 1537275

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

*- removed / replaced for PW-4U redevelopment / intri replacement

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

			Calibration Check								
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U	1/5/16	—	1538	22.38	15.2	7.18	7.18	Ø	N	—	—
MW-21-75	1/5/16	—	1542	23.03	14.88	8.15	8.16	0.01	N	—	—
MW-22-80	1/5/16	—	1554	35.89	28.03	7.86	7.88	0.02	N	—	—
MW-22U	1/5/16	—	1551	36.37	27.85	8.52	8.49	0.03	N	—	—
MW-23-75	1/5/16	—	1546	34.78	26.86	7.92	7.89	0.03	N	—	—
MW-23U	1/5/16	—	1545	35.51	27.36	8.15	8.15	Ø	N	—	—
MW-24-70	1/5/16	—	1441	33.74	27.08	6.66	6.66	Ø	N	—	—
MW-24-130	1/5/16	—	1438	33.66	25.14	8.52	8.51	-0.01	N	—	—
MW-25L	1/5/16	—	1549	34.12	25.94	8.18	8.19	0.01	N	—	—
MW-26U	1/5/16	—	1419	33.93	27.31	6.62	6.65	+0.03	N	—	—
MW-27L	1/5/16	—	1411	34.16	25.62	8.54	8.52	-0.02	N	—	—
MW-28U	1/5/16	—	1349	34.73	26.43	8.30	8.28	-0.02	N	—	—
MW-28L	1/5/16	—	1345	34.87	26.38	8.49	8.47	-0.02	N	—	—
MW-29U	1/5/16	—	1940	34.84	29.95	4.89	4.91	+0.02	N	—	—
MW-30U	1/5/16	—	1338	30.46	24.42	6.02	5.99	-0.03	N	—	—
MW-31L	1/5/16	—	1906	28.53	20.25	8.28	8.28	0.00	N	—	—
MW-32U	1/5/16	—	1907	28.48	22.63	5.85	5.84	-0.01	N	—	—
MW-37U	1/5/16	—	1408	34.90	28.26	6.64	6.60	-0.04	N	—	—
MW-38U	1/5/16	—	1357	34.74	28.44 29.75	6.30 6.94	6.30	Ø	N	—	—
PW-4U	1/5/16	—	1353	31.01	~~40.78~~	~~-9.77~~	-8.98	+0.15	N	—	—
PW-4L	1/5/16	—	1857	30.27	22.93	8.34	8.36	0.02	N	—	—
PW-5U	1/5/16	—	1401	34.82	36.09	-1.27	-1.39	-0.12	N	—	—
PW-5L	1/5/16	—	1405	34.19	25.64	8.55	8.53	-0.02	N	—	—
PW-6U	1/5/16	—	1433	33.93	34.51	-0.58	-0.53	+0.05	N	—	—
PW-6L	1/5/16	—	1436	33.32	24.81	8.51	8.47	-0.04	N	—	—
PW-7-93	1/5/16	—	1444	26.81	39.91	-13.10	-13.07	+0.03	N	—	—
PW-8-39	1/5/16	—	1600	25.75	19.68	6.07	6.08	0.01	N	—	—
PW-8-68	1/5/16	—	1606	27.18	30.0	-2.82	-2.94	0.12	N	—	—
PW-9-92	1/5/16	—	1558	35.84	36.8	-0.96	-0.92	0.04	N	—	—
** PW-10L	—	—	—	33.40	—	—	—	—	—	—	—
PW-12U	1/5/16	—	1904	28.58	46.79 ~~39.90~~	~~18.34~~	11.18 ~~11.02~~	0.03	N	—	—
PW-13U	1/5/16	—	1352	34.60	41.88	-7.28	-7.45	-0.17	N	—	—
PW-14U	1/5/16	—	1415	34.68	30.69	3.72	3.70	-0.02	N	—	—
PW-15U	1/5/16	—	1449	27.01	24.52	2.49	2.51	+0.02	N	—	—
PW-16U	1/5/16	—	1459	28.13	~~29.90~~	~~-2.89~~	~~-2.57~~	-0.06	N	—	—
PZ1-5	1/5/16	—	1532	35.98	27.47 27.49	8.51	8.55	-0.04	N	—	—
PZ1-20	1/5/16	—	1533	36.34	28.01	8.33	8.33	Ø	N	—	—
PZ1-50	1/5/16	—	153	37.58	29.40	8.18	8.16	0.02	N	—	—
PZ2-5	1/5/16	—	1527	37.83	29.34	8.49	8.46	0.03	N	—	—
PZ2-20	1/5/16	—	1524	37.81	29.53	8.28	8.3	-0.02	N	—	—
PZ2-43	1/5/16	—	1530	37.87	29.57	8.3	8.33	0.03	N	—	—
PZ2-77	1/5/16	—	1531	38.55	30.26	8.29	8.3	+0.01	N	—	—
PZ4-12	1/5/16	—	1513	34.59	26.09	8.50	8.49	-0.01	N	—	—
PZ4-41	1/5/16	—	1516	34.48	26.11	8.37	8.37	Ø	N	—	—
River 1 (U/S)	1/5/16	—	1509	34.41	25.83	8.58	8.61	+0.03	N	8.60	—
River 2 (D/S)	1/5/16	—	1509	~~34.39~~	25.83	8.58	8.60	+0.02	N	—	—

Technicain: LAFFOON / HANNA Water Level Meter #: 1537275

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

* - Needed to temp stop pump to get accurate reading

** com requires repair

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

					Calibration Check							
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)	
MW-1-55	1/11/16	12:12	1210	35.64	30.08		30.09	0.01	N	–	+0.52	
MW-1-82	1/11/16	12:19	1215	35.95	29.58		29.59	0.01	N	–	-2.01	
MW-3-56	1/11/16	11:47	1144	34.02	28.54		28.56	0.02	N	–	-1.09	
MW-4-57	1/11/16	10:53	1050	34.48	28.35		28.36	0.01	N	–	-3.22	
MW-16-45	1/11/16	11:00	1057	33.10	26.08		26.09	0.01	N	–	-1.05	
MW-16-65	1/11/16	11:04	1102	33.13	27.85		27.86	0.01	N	–	-1.03	
MW-18-30	1/11/16	12:59	1250	34.18	24.83		24.84	0.01	N	–	+3.02	
MW-18-125	1/11/16	1247	1244	34.57	27.99		28.01	0.02	N	–	-1.21	
MW-18-180	1/11/16	09:13	09:12	33.81	22.95	0.09	22.07	+0.09	N	~~23.10~~	-0.49	+0.08
MW-19-22	1/11/16	10:10	10:06	29.72	19.12		18.98	-0.14	N	19.11	-0.43	
MW-19-125	1/11/16	10:00	1000	29.33	21.99		21.98	-0.01	N	–	-0.15	
MW-19-180	1/11/16	0956	0953	29.73	22.16		22.07	-0.09	N	22.16	-0.49	
MW-21-115	1/11/16	11:57	1153	23.35	16.66		16.69	-0.03	N	–	-1.17	
MW-21-165	1/11/16	12:01	1159	23.06	15.99		15.99	-0.02	N	–	+0.29	
MW-27U	1/11/16	12:41	1238	34.18	29.02		29.01	-0.01	N	–	-1.02	
MW-31U	1/11/16	10:44	1041	28.37	21.23		21.21	-0.02	N	–	0.42	
OW-5F	1/11/16	09:10	09:05	34.70	26.43		26.40	-0.03	N	–	-0.20	
OW-7-17	1/11/16	1114	1109	26.42	14.11		14.13	+0.02	N	–	-0.36	
OW-8-15	1/11/16	1118	1115	26.31	13.06		13.05	+0.02	N	–	+0.07	
OW-9-25	1/11/16	1127	1121	35.29	24.69		24.72	+0.03	N	–	-5:38	
OW-10F	1/11/16	1135	1132	33.75	23.36		23.39	+0.03	N	–	-1:22	
PZ5-5	1/11/16	1502	1500	16.46	6.69		6.70	0.01	Yes	~~6.65~~	-5:08	
PZ5-20	1/11/16	1519	1513	16.20	7.97		8.00	+0.03	Y	7.96	-5:11	
PZ5-55	1/11/16	1524	1521	16.25	9.38		9.43	0.05	N	9.35	-0.10	
PZ5-85	1/11/16	1530	1526	16.38	9.44		9.37	0.07	N	9.37	+2.12	
PZ6-5	1/11/16	1535	1536	14.72	7.24		7.25	0.01	N	–	+0.46	
PZ6-50	1/11/16	1540	1523	14.88	9.27		9.27	ϕ	N	–	-4:21	
PZ6-115	1/11/16	1543	1544	13.79	6.41		6.42	0.01	N	–	+2.34	
PZ6-150	1/11/16	1547	1548	14.15	6.38		6.38	ϕ	N	–	-4.09	
PZ7-5	1/11/16	~~1555~~ 1624	1557	16.36	3.90 7.06	7.10	4.10	~~0.2~~ 0.04	N	~~4.06~~	+1.30	+0.3
PZ7-50	1/11/16	1633	1634	16.40	9.54		9.53	0.01	N	–	~~+0.48~~	+0.57
PZ7-100	1/11/16	1637	1638	16.13	7.78		7.83	0.05	N	7.75	0.00	
PZ7-150	1/11/16	16	–	15.50	–		–	–	–	–	–	
PZ8-5	1/11/16	1449	1446	12.21	5.24		4.93	-0.31	N	5.23	-1.15	
PZ8-50	1/11/16	1455	1450	12.45	6.19		6.22	0.03	N	–	+0.09	
PW-10C	1/11/16	—	1438	53.40	54.30	20.9	20.9	ϕ	N	–	–	
PZ7-150	1/12/16	0854	0854		–	–	6.91	–	N		+2:21	

Technicain: L. Allison / Hanna Water Level Meter #: 15372ts

△ No lock on well

ϕ Data for MW-1-55 & -82 are reversed

ANCHOR QEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss) *
Elevation Wells											
MW-33U	1/5/16	—	1417	27.66	21.22	6.44	6.44	0.00	N	—	—
MW-34L	1/5/16	—	1421	26.91	18.63	8.26	8.27	+0.01	N	—	—
MW-35U	1/4/16	—	1429	36.45	29.50	6.95	6.85	-0.10	N	6.98	—
MW-36U		—	1441	37.93	30.01	7.92	7.95	+0.03	N	—	—
WS-12-125		—	1425	34.01	26.06	7.95	7.93	-0.02	N	—	—
WS-21-112		—	1457	34.69	27.28	7.49	7.45	-0.04	N	—	—
WS-26-86		—	1453	34.43	26.58	7.85	7.85	Ø	N	—	—
PW-1U		—	1447	37.5	48.87	-11.37	-11.33	+0.04	N	—	—
PW-1L		—	1450	37.32	44.09	-6.77	-6.75	+0.02	N	—	—
PW-2U		—	1434	36.7	31.31	5.39	5.37	-0.02	N	—	—
PW-2L		—	1438	37.14	29.26	7.88	7.76	-0.12	N	—	—
PW-3U	1/5/16	—	1433	27.52	~~18.77~~ 14.43	~~9.75~~ 14.73	~~9.~~ 14.69	0.09	N	—	—
PW-3-118	1/5/16	—	1414	27.01	18.74	8.27	8.09	-0.18	N	8.28	—
PW-11U	1/5/16	—	1424	26.78	44.00	-17.22	-17.34	+0.12	N	—	—
Depth to Water Wells											
MW-5-32	1/11/16	0919	0916	27.72	20.50		20.51	-0.01	N	—	-1.08
MW-5-175	1/11/16	0925	0922	27.12	19.48		19.51	-0.03	N	—	-0.34
MW-34U	1/11/16	1232	1229	26.81	21.52		21.55	-0.03	N	—	-0.57
OW-1F	1/4/16	14:03	1401	37.60	27.90		27.92	+0.02	N	—	-0.16
OW-2F	1/4/16	13:28	1330	36.86	27.10		27.11	+0.01	N	—	0.00
PW-3-85	1/11/16	0935	0930	26.72	19.60		19.67	-0.07	N	19.61	-0.58
WS-8-33	1/4/16	1355	1354	34.33	24.43		24.40	-0.03	N	—	-0.26
WS-8-59	1/4/16	1350	1348	34.21	25.90		25.91	+0.01	N	—	-1.46
WS-12-161	1/4/16	1421	1418	34.02	26.41		26.31	-0.10	N	26.41	-3.36
WS-47-183	1/4/16	1344	1338	32.37	25.44		25.46	+0.02	N	—	-0.23
PZ9-5	1/11/16	1555	1557	12.09	3.90		4.10	0.2	N	4.06	+1.30
PZ9-50	1/11/16	1603	1605	11.62	4.40		4.34	0.14	N	—	+0.48
PZ9-75	1/11/16	1611	1614	11.57	3.83		3.80	0.01	N	—	-0.21
PZ9-110	1/11/16	1620	162	12.19	4.10		4.05	0.05	N	—	-2.46
PZ9-150	1/11/16	—	1617	11.33	3.75		—	—	—	—	—
PZ9-150	1/12/16	0859	0856	—	—	—	3.25	—	N		-1.03

Technicain: Hanna Lattoon Water Level Meter #: 1537275

Notes: Level at PW-3-85 taken at old electrical port.

~~*Pocket time is ahead~~

*DL twice, caught that the DL date/time had changed, MW-5-175 2nd DL @ 09:41

** Unable to reconnect to well, disconnected while trying to set new ref elevation

*** Unable to reconnect & couldn't DL

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

				Calibration Check							
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U				22.38							
MW-21-75				23.03							
MW-22-80				35.89							
MW-22U	1/15/16	1317	1319	36.37	27.09	9.28	9.26	-0.02	N	—	+1:18
MW-23-75				34.78							
MW-23U				35.51							
MW-24-70				33.74							
MW-24-130				33.66							
MW-25L				34.12							
MW-26U				33.93							
MW-27L				34.16							
MW-28U				34.73							
MW-28L				34.87							
MW-29U				34.84							
MW-30U				30.46							
MW-31L				28.53							
MW-32U				28.48							
MW-37U				34.90							
MW-38U				34.74							
PW-4U				31.01							
PW-4L				30.27							
PW-5U				34.82							
PW-5L				34.19							
PW-6U				33.93							
PW-6L				33.32							
PW-7-93				26.81							
PW-8-39				25.75							
PW-8-68				27.18							
PW-9-92				35.84							
PW-10L	1/15/16	1304	1307	33.40	55.38	-21.98	-21.95	-0.03	N	—	+1:41
PW-12U				28.58							
PW-13U				34.60							
PW-14U				34.68							
PW-15U				27.01							
PW-16U				28.13							
PZ1-5				35.98							
PZ1-20				36.34							
PZ1-50				37.58							
PZ2-5				37.83							
PZ2-20				37.81							
PZ2-43				37.87							
PZ2-77				38.55							
PZ4-12				34.59							
PZ4-41				34.48							
River 1 (U/S)				34.41							
River 2 (D/S)				34.39							

Technicain: LAFOON Water Level Meter #: 1537275

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

ANCHOR OEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

			Calibration Check								
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
Elevation Wells											
MW-33U				27.66							
MW-34L				26.91							
MW-35U				36.45							
MW-36U				37.93							
WS-12-125				34.01							
WS-21-112				34.69							
WS-26-86				34.43							
PW-1U				37.5							
PW-1L				37.32							
PW-2U				36.7							
PW-2L				37.14							
PW-3U	1/15/16	—	1242	27.52	31.20	-3.68	-3.66	+0.02	N	N	—
PW-3-118				27.01							
PW-11U				26.78							
Depth to Water Wells											
MW-5-32				27.72							
MW-5-175				27.12							
MW-34U				26.81							
OW-1F				37.60							
OW-2F				36.86							
PW-3-85				26.72							
WS-8-33				34.33							
WS-8-59				34.21							
WS-12-161				34.02							
WS-47-183				32.37							
PZ9-5				12.09							
PZ9-50				11.62							
PZ9-75				11.57							
PZ9-110				12.19							
PZ9-150				11.33							

Technicain: LAFFOON Water Level Meter #: 1537275

Notes: Level at PW-3-85 taken at old electrical port.

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U				22.38							
MW-21-75				23.03							
MW-22-80				35.89							
MW-22U				36.37							
MW-23-75				34.78							
MW-23U				35.51							
MW-24-70				33.74							
MW-24-130				33.66							
MW-25L				34.12							
MW-26U				33.93							
MW-27L				34.16							
MW-28U				34.73							
MW-28L				34.87							
MW-29U				34.84							
MW-30U				30.46							
MW-31L				28.53							
MW-32U				28.48							
MW-37U				34.90							
MW-38U				34.74							
PW-4U				31.01							
PW-4L				30.27							
PW-5U				34.82							
PW-5L				34.19							
PW-6U				33.93							
PW-6L				33.32							
PW-7-93				26.81							
PW-8-39				25.75							
PW-8-68				27.18							
PW-9-92				35.84							
PW-10L				33.40							
PW-12U	1/29/16	—	1516	28.58	19.98	8.60	8.60*	Ø	Y**	8.60	+6:03**
PW-13U				34.60							
PW-14U				34.68							
PW-15U				27.01							
PW-16U				28.13							
PZ1-5				35.98							
PZ1-20				36.34							
PZ1-50				37.58							
PZ2-5				37.83							
PZ2-20				37.81							
PZ2-43				37.87							
PZ2-77				38.55							
PZ4-12				34.59							
PZ4-41				34.48							
River 1 (U/S)				34.41							
River 2 (D/S)				34.39							

Technicain: Water Level Meter #:

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'. Transducer zeroed before installed,

* – Reinstalled after redevelopment ** – Time sync diff > 5 min, start new test.

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Depth to Water

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-1-55	2/4/16	1318	1317	35.64	26.85		26.76	0.09	N	26.65	1:09
MW-1-82	2/4/16	1316	1315	35.95	27.03		26.98	-0.05	N	—	+0:35
MW-3-56	2/02/16	1620	1619	34.02	26.48		26.47	+0.01	N	—	0:16
MW-4-57	2/02/16	1109	1103	34.48	26.52		26.44	0.08	N	26.52	3:02
MW-16-45	2/02/16	1125	1123	33.10	24.37		24.30	0.08	N	24.37	0:43
MW-16-65	2/02/16	1117	1114	33.13	25.98		25.81	0.17	N	25.97	0:10
MW-18-30	2/4/16	1245	1244	34.18	24.32		24.28	-0.04	N	—	+2:55
MW-18-125	2/02/16	1609	1608	34.57	35.46		35.45	+0.01	N	—	0:39
MW-18-180	2/02/16	1611	1610	33.81	24.39		24.40	-0.01	N	—	1:09
MW-19-22	2/02/16	1048	1046	29.72	18.53		18.49	0.04	N	N	0:10
MW-19-125	↓	1053	1051	29.33	20.15		20.04	+0.11	N	20.15	0:23
MW-19-180	↓	1100	1059	29.73	20.30		20.30	0.00	N	—	0:07
MW-21-115	2/4/16	13:08	13:07	23.35	14.40		14.36	+0.04	N	—	0:18
MW-21-165	2/4/16	1306	1304	23.06	13.67		13.63	-0.04	N	—	+0:04
MW-27U	2/4/16	1239	1237	34.18	27.18		27.14	-0.04	N	—	-1:21
MW-31U	2/4/16	1255	1253	28.37	19.43		19.48	+0.05	N	19.48	-1:17
OW-5F	2/02/16	1212	1210	34.70	24.53		24.47	+0.06	N	24.54	0:39
OW-7-17	2/02/16	1627	1625	26.42	13.78		13.80	-0.02	N	—	0:22
OW-8-15	2/02/16	1633	1632	26.31	12.48		12.45	+0.03	N	—	1:10
OW-9-25	2/04/16	1424	1422	35.29	24:13		24.07	0.06	Y	24.13	7:24
OW-10F	2/04/16	1327	1325	33.75	22.44		22.37	0.07	N	22.44	0:24
MW-10-25[A]	2/3/16	—	1412	39.22[B]	14.39		14.39	0.00	Y	14.39	0:00
MW-11-32[A]	2/3/16	—	1514	38.39[B]	9.99		9.99	0.00	Y	9.99	0:00
MW-40F[A]	2/3/16	—	1452	39.25	17.49		17.49	0.00	Y	17.49	0:00
PZ5-5	2/4/16	1014	1008	16.46	6.10		6.19	0.09	Y	6.09	0:14
PZ5-20	2/4/16	1024	1022	16.20	6.98		7.05	0.07	N	6.99	0:12
PZ5-55	2/4/16	1023	1026	16.25	8.24		8.28	0.04	N	—	0:58
PZ5-85	2/4/16	1032	1030	16.38	8.31		8.43	0.12	N	8.31	3:38
PZ6-5	2/4/16	1045	1043	14.72	6.24		6.34	0.10	N	6.23	2:35
PZ6-50	2/4/16	1044	1043	14.88	6.11		6.19	0.08	N	6.11	3:53
PZ6-115	2/4/16	1055	1053	13.79	5.46		5.56	0.10	N	5.46	4:20
PZ6-150	2/4/16	1101	1053	14.15	5.54		5.57	0.03	N	5.54	3:06
PZ7-5	2/2/16	1006	1005	16.36	6.57		6.59	+0.02	N	—	+0:04
PZ7-50	2/2/16	1012	1008	16.40	8.52		8.47	-0.05	N	8.51	-1:23
PZ7-100	2/2/16	1015	1014	16.13	7.03		7.00	-0.03	N	—	-0.22
PZ7-150	2/2/16	1019	1017	15.50	6.25		6.23	+0.02	N	[illegible]	+2:20
PZ8-5	2/04/16	0949	0946	12.21	3.74		3.62	+0.12	N	3.75	0:03
PZ8-50	2/04/16	0954	0957	12.45	4.85		4.91	-0.06	N	4.85	1:19

Technicain: LAFFOON/WILSON Water Level Meter #: 153725

A = Well used for model calibration

B = TOC elevation from Hanh survey

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U	2/03/16	—	1506	22.38	14.62	7.76	7.80	-0.04	N	—	—
MW-21-75	2/03/16	~~1521~~	1524	23.03	14.26	8.77	8.80	0.03	N	—	—
MW-22-80	2/03/16	—	1357	35.89	27.35	8.54	8.62	-0.08	N	8.51	—
MW-22U	2/03/16	—	1356	36.37	27.31	9.06	9.08	-0.02	N	N	—
MW-23-75	2/03/16	—	1432	34.78	26.07	8.71	8.71	0.00	N	—	—
MW-23U	2/03/16	—	1435	35.51	26.79	8.72	8.74	-0.02	N	—	—
MW-24-70	2/03/16	—	1542	33.74	26.08	7.66	7.64	+0.02	N	—	—
MW-24-130	2/03/16	—	1540	33.66	24.46	9.20	9.16	+0.04	N	—	—
MW-25L	2/03/16	—	1337	34.12	25.81	8.31	8.42	+0.11	N	~~8.47~~ 8.59	—
MW-26U	2/2/16	—	1424	33.93	26.20	7.73	7.53	0.15	N	7.72	
MW-27L	2/2/16	—	1418	34.16	24.44	9.72	9.31	0.01	N	—	—
MW-28U	2/2/16	—	1353	34.73	25.53	9.20	9.20	0.00	N	—	—
MW-28L	2/2/16	—	1351	34.87	25.51	9.36	9.35	0.01	N	—	—
MW-29U	2/2/16	—	1346	34.84	23.46	6.38	6.39	0.01	N	—	—
MW-30U	2/2/16	—	1338	30.46	23.43	7.03	7.01	0.02	N	—	—
MW-31L	2/2/16	—	1500	28.53	19.14	9.39	9.38	-0.01	N	—	—
MW-32U	2/2/16	—	1504	28.48	21.84	6.64	6.62	-0.02	N	—	—
MW-37U	2/2/16	—	1413	34.90	27.14	7.76	7.82	0.06	N	7.77	—
MW-38U	2/2/16	—	1356	34.74	27.32	7.42	7.44	0.02	N	—	—
PW-4U	2/2/16	—	1242	31.01	44.66	-13.65	-13.60	+0.05	N	—	—
PW-4L	2/2/16	—	1250	30.27	20.49	9.78	9.78	Ø	N	—	—
PW-5U	2/2/16	—	1400	34.82	32.17	1.65	1.42	0.23	N	1.69	—
PW-5L	2/2/16	—	1407	34.19	24.85	9.34	9.35	0.01	N	—	—
PW-6U	2/2/16	—	1435	33.93	33.56	0.37	0.22	0.15	N	—	—
PW-6L	2/2/16	—	1438	33.32	24.04	9.28	9.22	0.06	N	—	—
PW-7-93	2/03/16	—	1545	26.81	48.16	-21.35	-21.33	-0.02	N	—	—
PW-8-39	2/03/16	—	1421	25.75	20.27	5.48	5.49	-0.01	N	—	—
PW-8-68	~~2/03/16~~	—	~~1551~~	27.18	32.13	-5.95	-5.78	0.17	N	—	—
PW-9-92	2/03/16	—	1402	35.84	28.78	7.06	7.06	0.00	N	—	—
PW-10L	2/03/16	—	1351	33.40	41.04	-7.64	-7.62	-0.02	N	—	—
PW-12U	2/2/16	—	1257	28.58	33.41	-4.83	-5.00	+0.17	N	—	—
PW-13U	2/2/16	—	1354	34.60	42.20	-7.60	-7.57	0.03	N	—	—
PW-14U	2/2/16	—	1421	34.68	30.05	4.63	4.71	0.08	N	—	—
PW-15U	2/03/16	—	1548	27.01	24.57	2.44	2.48	-0.04	N	—	—
PW-16U	2/03/16	—	1553	28.13	31.81	-3.68	-3.78	-0.10	N	—	—
PZ1-5	2/03/16	—	1446	35.98	26.54	9.44	9.52	-0.08	N	9.42	—
PZ1-20	2/03/16	—	1443	36.34	27.33	9.01	9.04	-0.03	N	—	—
PZ1-50	2/03/16	—	1439	37.58	28.80	8.78	8.78	0.00	N	—	—
PZ2-5	2/03/16	—	1457	37.83	28.62	9.21	9.23	-0.02	N	—	—
PZ2-20	2/03/16	—	1455	37.81	28.84	8.97	9.01	-0.04	N	—	—
PZ2-43	2/03/16	—	1451	37.87	28.91	8.96	9.00	-0.04	N	—	—
PZ2-77	2/03/16	—	1454	38.55	29.62	8.93	8.96	-0.03	N	—	—
PZ4-12	2/2/16	—	1530	34.59	25.19	9.40	9.44	-0.04	N	N	—
PZ4-41	2/03/16	—	1535	34.48	~~25.37~~	~~9.11~~	~~9.11~~	~~+0.07~~	~~N~~	~~N~~	—
River 1 (U/S)	2/2/16	—	1531	34.41	24.86	9.45	9.44	+0.01	N	N	—
River 2 (D/S)	2/03/16	—	1532	34.39	24.95	9.46	9.44	+0.02	N	N	—

Technicain: LAIFOON / WILSON Water Level Meter #: 1537275

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.

~~7.28~~ 41.04 high 7.06 high

3.60 3.78 -16.66 - 1 -16.62 - 24.15 -6.34 -5.74

-.26 6.03 → 33.21 33.13 5.78 5.99 -6.

ANCHOR QEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
Elevation Wells											
MW-33U	2/2/16	—	1314	27.66	20.32	7.34	7.32	-0.02	N	—	—
MW-34L	2/2/16	—	1321	26.91	17.72	9.20	9.24	0.04	N	—	—
MW-35U	2/3/16	1015	1013	36.45	29.00	7.45	7.46	+0.01	N	—	-1:24
MW-36U	2/2/16	—	1036	37.93	29.49	8.44	8.54	0.10	N	8.45	—
WS-12-125	2/3/16	—	1033	34.01	25.56	8.45	8.43	0.02	N	—	—
WS-21-112	2/3/16	—	1050	34.69	26.61	8.08	8.04	0.04	N	—	—
WS-26-86	2/3/16	—	1043	34.43	29.98	8.45	8.47	0.02	N	—	—
PW-1U	2/3/16	—	1040	37.50	19.47	-18.97	-18.70	0.27	N	—	—
PW-1L	2/3/16	—	1047	37.32	15.63	-7.71	-7.65	0.06	N	—	—
PW-2U	2/3/16	—	1055	36.70	30.38	5.32	5.33	0.01	N	—	—
PW-2L	2/3/16	—	1053	37.14	29.33	8.31	8.35	0.04	N	—	—
PW-3U	2/2/16	—	1339	27.52	32.93	-5.41	-5.41	0.00	N	—	—
PW-3-118	2/2/16	—	1309	27.01	17.68	9.33	9.14	-0.19	N	8.32	—
PW-11U	2/2/16	—	1330	26.78	44.41	-17.63	-17.65	0.02	N	—	—
Depth to Water Wells											
MW-5-32	2/03/16	1233	1232	27.72	19.02		19.01	+0.01	N	N	0:15
MW-5-175	2/03/16	1228	1227	27.12	17.58		17.60	-0.02	N	N	0:24
MW-34U	2/4/16	1227	1226	26.81	19.55		19.54	0.01	N	—	1:33
OW-1F	2/3/16	0931	0929	37.60	26.72		26.72	Ø	N	—	-1:26
OW-2F	2/3/16	0922	0920	36.86	26.32		26.30	-0.02	N	—	-0:06
PW-3-85	2/4/16	1222	1216	26.72	18.35		18.33	-0.02	N	—	-0:52
WS-8-33	2/3/16	0948	0946	34.33	23.32		23.32	Ø	N	—	-1:37
WS-8-59	2/3/16	0953	0951	34.21	25.55		25.53	-0.02	N	—	-3:12
WS-12-161	2/3/16	1000	0958	34.02	26.07		26.05	-0.02	Y	26.07	-5:25
WS-47-183	2/3/16	0940	0938	32.37	25.25		25.29	+0.04	N	—	-0:39
NWN-13-23[A]	2/3/16	1126	1126	37.33[B]	6.04		6.04	Ø	Y	6.04	0:04
NWN-7-30[A]	2/3/16	1155	1155	36.10[B]	10.62		10.62	Ø	Y	10.62	0:05
PZ9-5	2/04/16	0906	0900	12.09	3.64		3.48	+0.16	N	3.25	2:41
PZ9-50	2/04/16	0913	0909	11.62	3.96		3.54	+0.42	N	3.96	2:03
PZ9-75	2/04/16	0924	0924	11.57	3.52		3.53	+0.01	N	----	0:56
PZ9-110	2/04/16	0919	0916	12.19	7.05		4.03	+0.02	N	----	1:49
PZ9-150	2/04/16	0925	0923	11.33	3.57		3.55	+0.02	N	----	0:19

Technicain: LAFFOON / WILSON Water Level Meter #: 1537275

Notes: Level at PW-3-85 taken at old electrical port.

A= Well used for model calibration

B = TOC elevation from Hanh survey

ANCHOR QEA

Transducer Data Form

Wells in the TCE-CMMA Set to Elevation and Depth to Water

Gasco Source Control

Calibration Check											
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation/ DTW (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-33U				27.66							
MW-34L				26.91							
MW-35U				36.45							
MW-36U				37.93							
WS-12-125				34.01							
WS-21-112	1/27/16	1118	1427	34.69	25.59	9.10	9.08	0.02	N	N	—
WS-26-86	1/27/16	~~1118~~ 1440	1851	34.43	~~24~~ 60	9.83	9.85	0.02	N	N	—
PW-1U				37.5							
PW-1L				37.32							
PW-2U				36.7							
PW-2L				37.14							
PW-3U				27.52							
PW-3-118				27.01							
PW-11U				26.78							
Depth to Water Wells											
MW-5-32				27.72							
MW-5-175				27.12							
MW-34U				26.81							
OW-1F				37.60							
OW-2F				36.86							
PW-3-85				26.72							
WS-8-33				34.33							
WS-8-59				34.21							
WS-11-161				33.06							
WS-12-161				34.02							
WS-14-161				33.37							

Technicain: WILSON Water Level Meter #: 1537275

Notes: Level at PW-3-85 taken at old electrical port. It is notched and marked in black.

ANCHOR QEA

Transducer Data Form

Wells in MGP Set to Elevation

Gasco Source Control

				Calibration Check							
Well ID	Date	Test Extract Time	DTW Time	TOC Elev. C.O.P. (feet)	Manual DTW (feet TOC)	Manual Elevation (TOC - DTW)	Instrument Elevation (feet)	Δ feet	New Test (Y/N)	New Ref. Elev. Conf.	Time Sync Diff (mm:ss)
MW-21U				22.38							
MW-21-75				23.03							
MW-22-80	2/25/16	1429	1431	35.89	27.79	8.10	8.10	0.00	N	N	+1:05
MW-22U				36.37							
MW-23-75				34.78							
MW-23U				35.51							
MW-24-70				33.74							
MW-24-130				33.66							
MW-25L				34.12							
MW-26U				33.93							
MW-27L				34.16							
MW-28U				34.73							
MW-28L				34.87							
MW-29U				34.84							
MW-30U				30.46							
MW-31L				28.53							
MW-32U				28.48							
MW-37U				34.90							
MW-38U				34.74							
PW-4U				31.01							
PW-4L				30.27							
PW-5U				34.82							
PW-5L				34.19							
PW-6U				33.93							
PW-6L				33.32							
PW-7-93				26.81							
PW-8-39				25.75							
PW-8-68				27.18							
PW-9-92				35.84							
PW-10L				33.40							
PW-12U				28.58							
PW-13U				34.60							
PW-14U				34.68							
PW-15U				27.01							
PW-16U				28.13							
PZ1-5				35.98							
PZ1-20				36.34							
PZ1-50				37.58							
PZ2-5				37.83							
PZ2-20				37.81							
PZ2-43				37.87							
PZ2-77				38.55							
PZ4-12				34.59							
PZ4-41				34.48							
River 1 (U/S)				34.41							
River 2 (D/S)				34.39							

Technicain: Water Level Meter #:

Notes: River 1 (Upstream) and River 2 (Downstream) measurements taken from the benchmark on the PZ4-12 casing adjacent to the River 1 (Upstream) stilling well. The elevation in feet C.O.P at this point is 34.41'.