Table 1
AVailable Extraction Well Data for ERH Operation

	X-A1					X-A2					X-A3					X-A4					X-B1				
Date and Time	Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes
10/4/2018 13:15	81	0	36.6	0		86	5.5	61.7	74.8		79	0	34.8	0		79	7	120.5	95.1		105	2.5	109.4	34	
10/22/2018 10:00	83	0	793.6	0	toggled ON vac	183	5	567.6	67.9	toggled OFF vac	95	0	678.4	0	not on vac	109	7	1,203.00	95.1		129	5	891.2	67.9	water
10/29/2018 11:00	180.5	1.5	198	23	vented	82	0	1,880.00	3	vented	78	0	1,336.00	2		90.5	-	403	6		164	-	226	7	
11/5/2018 11:00	192	1.5	271	23		76.1	-	351	3	venting	195.1	-	245.9	6	venting	86.1	-	136.6	17	venting	146	-	430.9	6	
11/16/2018 13:05	191	0	149.9	0		192	0	511.7	0		203	0	1,672.40	0		100	0	1,171.10	0	not hooked up	185	0	1,348.20	0	
11/30/2018 9:00	193	0.5	518.6	19		195	3	411.2	1		210	0	1,150.00	0		178	0	290	1		180	0.5	670.8	4	
12/8/2018 11:30	188	2	129.3	27		177	0	193	6		205	0	585.3	4		170	0	-	-	not connected	177	0	147.1	4	
1/9/2019 15:00	170	2.5	0.7	34		188	0.5	379.1	24	steam	180	0	-	27	water from valve	190.5	0	-	0	unhooked	140	0	23.1	5	
1/12/2019 14:40	170	2.5	42	40		202	0	201	34		207	0	448.6	-	under pressure	71	0	182	0	closed	181	0	47.9	6	
1/17/2019 14:30	192	0	127.4	5		205	0	792.3	21		208	1.5	585.1	10		172	0	-	-	steam,pressure	126	-	390.6	0	
1/18/2019 11:00	-	-	-	15	FULL OPEN	-	-	-	23	FO	-	-	-	10	FO										
1/24/2019 11:45	185.3	0	136.4	20		135.7	0	758.2	20		134.8	1.5	597.6	8		98.4	0	-	3		87.9	0	408.2	2	
1/28/2019 16:00	163	-	-	-		159	-	-	-		161	-	-	-		78	-	-	-		114	-	-	-	
2/2/2019 13:00	149	0	247.1	7		172	0	238.6	13		172	2	430.6	12		60	0	611	0		120	0	49.5	5	
2/8/2019 11:15	172	1	33.7	15		61	0	9.2	5		170	0	11.7	17		42	0	59.6	3		60	-	0	-	closed
4/30/2019 10:45																									
5/15/2019 10:30																									
5/21/2019 14:00											-	-	-	-	Liquid only	-	-	-	-	Active					
6/3/2019 17:00											88	0	4.2	-		93	2	9.6	-						
6/10/2019 8:00											81	0	3	-		78	1	6.1	-	slurper closed					
6/21/2019 11:30											88	9	1.8	-		90	2	2.1	-						
7/1/2019 11:50											95	0	0.4	-		90	5	0.5	-						
7/8/2019 15:00						102	2				104	0				102	2								

Notes

DegF	degrees farenheit
in HG	vacuum in inches of mercury
ppm	parts per million from PID
inWC	vacuum in inches of water column

ED_012957A_00000642-00001

Table 1
AVailable Extraction Well Data for ERH Operation

X-B2					X-B3					**X-B4**					X-B5					X-B6				
Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes	**Deg F**	**in HG**	**ppm**	**in WC**	**Notes**	Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes
81	6	119.7	81.5		85	5	401.8	68		**89**	**5**	**539.2**	**68**		87	6	73.8	81.5		79	7.5	36.7	102	
138	4.5	2,000.00	61.1	water	155	4	1,842.20	54.3	water	**165**	**3**	**1,946.60**	**40.7**	**water**	73	7	70.9	95.1		70	7.5	128	101.9	
180	-	268	7		183	-	492	7		**193.1**	**0.5**	**684**	**18**		77	2.5	340	34		71	2.5	172	35	
161	-	454	7		196	-	277	6		**198.3**	**-**	**316**	**14**		63.4	-	273	31		65.2	1.5	115	35	
195	0	2,000.00	0		205	0	2,000.00	0		**209**	**0**	**2,000.00**	**0**		58	2	581.6	27.2		60	0	68.1	0	
194	0	1,253.00	2		204	0	2,000.00	4.5		**210**	**0**	**2,000.00**	**2**		78	3.5	115.3	36		80	0	70.2	45	
180	0	99.4	3		199	0	950.3	12		**204**	**0**	**837**	**15**		62	5	89.4	50		70	2.5	148.9	47	
160	0	56.3	11		187	2	595	34		**190**	**2.5**	**-**	**37**		100	0	-	0		100	2	-	43	
198	1.5	561.8	35		202	2	398.4	37		**207**	**1.5**	**332.4**	**39**		86	1.5	47.1	38		61	0	230	4	
200	0	1,421.00	-	pressure	202	1.5	548.4	17		**208**	**0**	**319.2**	**-**	**pressure**	130	2	52.8	25		91	0	101.3	37	
					-	-	-	24	FO						-	-	-	0	90% CLOSED	-	-	-	23	90% CLOSED
134.4	0	1,397.00	4		154.8	1.5	561	28		**177.4**	**0**	**344.8**	**9**		107	0	69.7	0		83	1.5	128.6	0	
135	-	-	-		171	-	-	-		**150.5**	**-**	**-**			72	-	-	-		82.5	-	-	-	
147	0	408.5	8		182	0	1,093.00	17		**164**	**0**	**339.4**	**9**		55	2.5	4.8	38		55	2.5	165.4	37	
159	2	59.8	20		180	1.5	101.7	21		**151**	**1**	**56.5**	**19**		19	-	0.3	-	closed	50	0	0.5	18	
					160	3	7.2	-		**60**	**8**	**1.3**	**-**											
					138	0	5.2	-		**170**	**3**	**5.6**	**-**		72	5	66.8	-						
					94	0	1	-	Liquid only	**178**	**3**	**4**	**-**	**p2=0.3**	52	5	0	-	mw27r=0.0	-	-	-	-	Active
					110	0	32.1	-		**180**	**1.5**	**2**	**-**		88	3	0.2	-		71	5.5	0.5	-	
					100	0	8.8	-		**160**	**0**	**2.1**	**-**		70	3	1	-	slurper closed	-	-	-	-	slurper closed
					89	23	1.7	-		**147**	**26**	**4.9**	**-**		86.5	35	3.7	-						
					92	0	1	-		**90**	**0**	**2.5**	**-**		90	1.5	7.1	-						
98	0.5				121	0	2.8			**168**	**0**	**1.7**			102	2.5	6.8			82	5.5	4.1		

ED_012957A_00000642-00002

Table 1
AVailable Extraction Well Data for ERH Operation

X-C1					X-C2					X-C3					X-C4					X-C5				
Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes
89	0	67.8	0		90	2.5	67.7	34		87	6.5	133.4	88.3		90	5.5	570.4	74.8		81	5	173.2	68	
80	0	1,973.60	0	toggled ON vac	148	3	987.2	40.7	water	120	3	55.2	40.7	water/toggled OFF vac	80	0	697.8	0	water	144	5	2,000.00	67.9	
163	0	121	9		175	0	55.6	12		67	0	256	0	vented	190.5	0	224	3		141	0	442	11	
159	-	461.8	8		168	-	588	12		198	-	79.5	3	venting	199.8	-	267.5	1.5		176	2	-	29	
140	0	308.2	0		180	0	458.8	0		195	0	602.3	0		210	0	1,916.40	0		165	0	605.8	0	
190	0	236.8	8		197	0	518.2	0		200	0	2,000.00	0		210	0	2,000.00	0		172	0	1,241.00	10	
181	0	106.2	9.5		189	0	140.5	10		202	0	102.1	-	pressure	209	0	914.1	-	pressure	170	0	99.4	8	
152	0	6.1	21		163	0	92.8	10		174	0	564	5		181	2	-	27		164	1	-	24	
179	0	37.8	0		190	0	195.2	11		201	0	-	-	under pressure	200	0	120.5	0	closed	169	2	61.9	29	
192	0	138.4	6		202	0	373.5	5		203	0	-	-	steam, pressure	202	0	213.9	3		191	0	158.5	8	
-	-	-	11	FO	-	-	-	5	FO						-	-	-	12	60% CLOSED	-	-	-	25	20% CLOSED
138.6	0	150.9	11		155.6	0	359.6	11		172.6	0	-	5		177.3	0	226.8	8		82	0	61.8	0	
120.5	-	-	-		133.5	-	-	-		153	-	-	-		151	-	-	-		110	-	-	-	
139	0	73.9	9		150	0	87.7	9		160	0	416.8	6		169	0	507.4	6		77	0	100.1	0	
68	-	0	-	closed	49	-	0.8	-	closed	170	-	106.3	9		168	3	105.6	16		51	0	0.8	1	
															150	3	0.3	-						
										106	11	3.9	-		158	3	4.9	-						
-	-	-	-	Liquid only	-	-	-	-	Liquid only	122	11	7.5	-	Liquid only	158	3	5.3	-		-	-	-	-	Active
90	1	1.3	-		98	0	4.8	-		150	12.5	3.3	-		145	0	2.4	-		91	2.5	0	-	
79	0	0.3	-		70	0	23.8	-		151	12	9.9	-		135	0	4.4	-		80	1	0.6	-	slurper closed
82	1	1.7	-		90	2	1.6	-		143	13	3.3	-		130	13	1	-		86.5	34	2.2	-	
98	4.5	0.5	-		98	0	11.2	-		150	8	3	-		129	1	1.1	-				-		
100	0.5	0			104	0	5.8			150	12	3.8			130	0	3			104	2	2.3		

ED_012957A_00000642-00003

Table 1
AVailable Extraction Well Data for ERH Operation

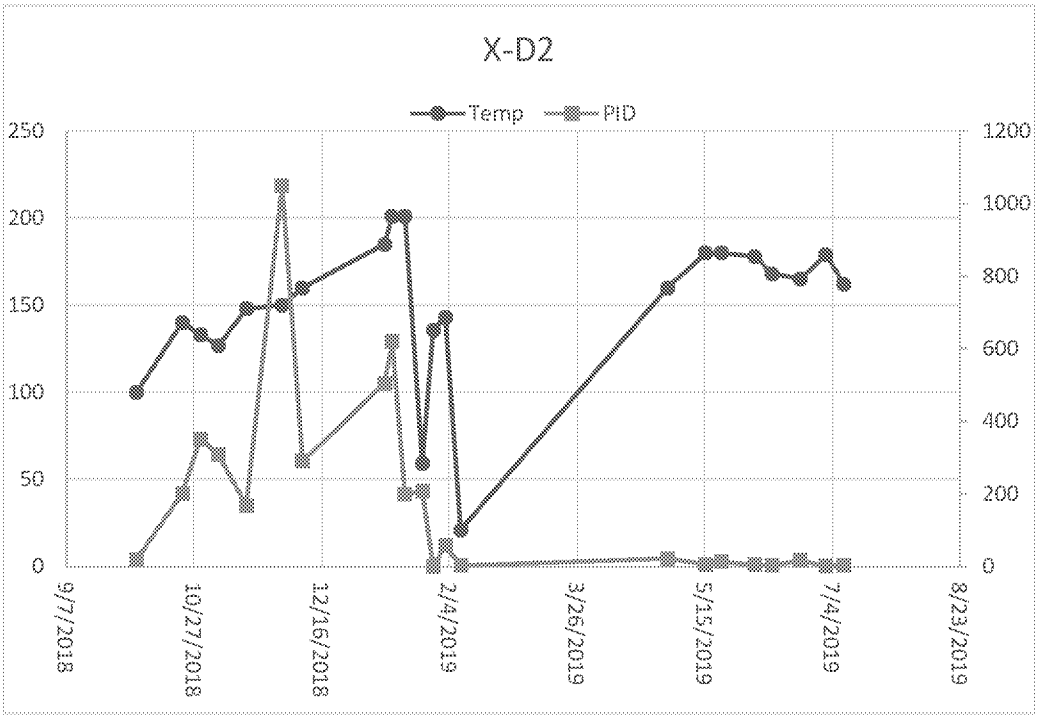
X-C6					X-D1					**X-D2**					X-D3					X-D4				
Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes	**Deg F**	**in HG**	**ppm**	**in WC**	**Notes**	Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes
82	5	30.4	68		70	0	18.4	0		**100**	**2**	**19.1**	**27.1**		82	5.5	26.1	74.8		81	0	18.5	0	
80	6	215	81.5		135	0	1,984.20	0	water	**140**	**4**	**200.8**	**54.3**		142	3	197.4	40.7	water/toggled OFF vac	70	0	986.2	0	toggled ON vac
82	2	311	38		124	0	175	4		**133**	**0**	**351**	**3**		72	0	119	-	vented	191	0	312	3	
88.7	2	174	41		115.4	-	198.1	4.5		**126.6**	**-**	**309.1**	**2**		56.9	-	41.5	1	venting	195	-	276	2	
145	0.5	824.4	0		140	0	575.8	0		**148**	**0**	**167.8**	**0**		178	1.5	105.6	0		210	0	2,000.00	0	
180	2.5	350.7	43		150	0	395.8	2		**150**	**0**	**1,050.00**	**0**		183	2	998.6	24		210	0	2,000.00	0	
178	3	343.3	50		118	0	110.8	2		**160**	**0**	**290.7**	**1.5**		187	2.5	207.1	31		210	0	565.7	-	pressure
160	2.5	-	44		96	0	6.7	13		**185**	**0**	**504**	**7**		183	2.5	680	35		9,999.99	0	-	0	water and steam from valve
120	2	76.6	46		120	0	44.9	10		**201**	**0**	**620.5**	**3**		202	0	821.5	25		211	0	-	-	under pressure
142	4	52.3	35		121	0	54.7	7		**201**	**0**	**198.9**	**3**		202	1	888.3	14		206	0	-	-	steam,pressure
-	-	-	25	80% CLOSED	-	-	-	7					**10**	**FO**	-			21	FO					
194.8	2.5	75.1	48		102.4	0	682	5		**59.2**	**0**	**208**	**8**		47.3	1	903.6	30		87.9	0	-	7	
75.5	-	-	-		96	-	-	-		**135.5**	**-**	**-**	**-**		93	-	-	-		170.5	-	-	-	
-	4	81.8	39		91	0	26.9	5		**143**	**0**	**57.2**	**8**		76	0	83.6	3		175	0	320.8	6	
20	-	1	-	closed	16	-	2	-	closed	**21**	**-**	**2.9**	**-**	**closed**	21	-	25.1	-	closed	168	0	77.4	13	
										160	**3**	**21.6**	**-**		142	3	22.1	-						
										180	**3**	**5.1**	**-**		142	3	1.6	-		136	3	2.3	-	
					-	-	-	-	Liquid only	**180**	**3**	**13.3**	**-**	**p1=0.2**	110	3	2.1	-		150	3	3.5	-	
					78	2	15.2	-		**178**	**0**	**4.8**	**-**		128	0	1.5	-		150	1.5	-	-	
										168	**0**	**2.3**	**-**		121	0	2.1	-		158	1	1.9	-	
										165	**8**	**16.5**	**-**		147	19	0.7	-		91	5	0.7	-	
										179	**0**	**0.8**	**-**		148	1	1.7	-		95	8	0.4	-	
										162	**0**	**3.5**			148	1	1.8			109	8	0.5		

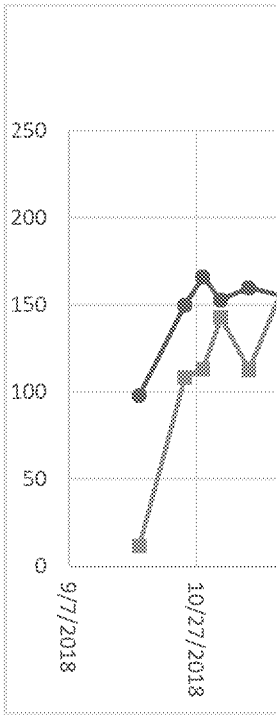
ED_012957A_00000642-00004

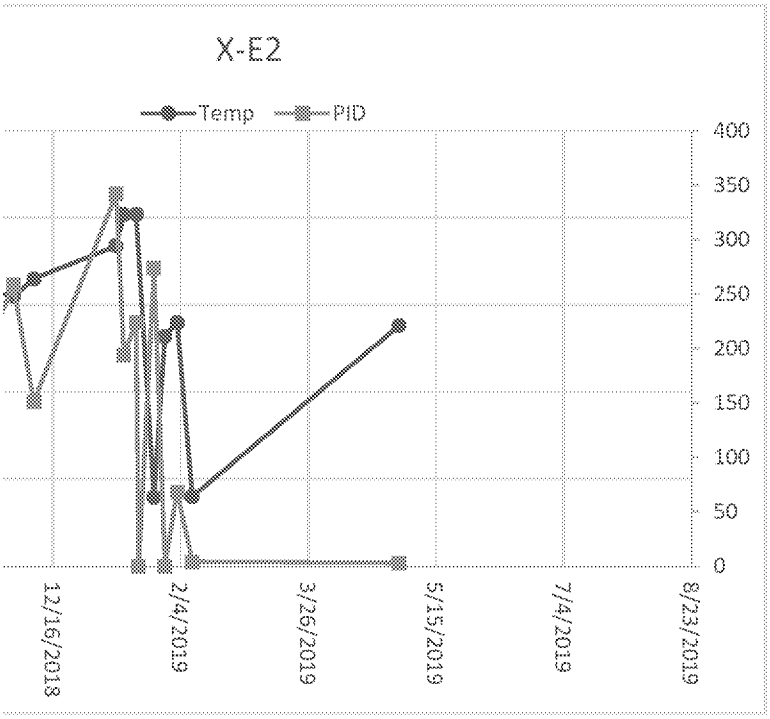
Table 1
AVailable Extraction Well Data for ERH Operation

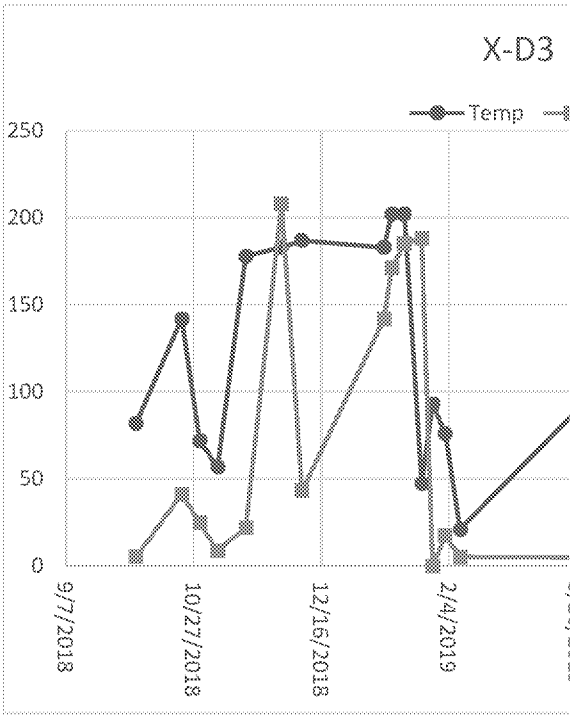
X-D5					X-E1					X-E2					X-E3				
Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes	Deg F	in HG	ppm	in WC	Notes
89	6	62.8	81.5		98	4	18.4	54.3		60	0	28.1	0		79	0	-	0	
83	7	217.9	95.1		150	3	173.4	40.7	water	60	0	182.6	0	not on vac	118	5	105.7	67.9	water/toggled OFF vac
191	0.5	180	28	water in well	166	0	181	8		-	0	72	0	vented	71	2	46	0	vented
197.4	1.5	-	34		153	-	228.6	7		56.5	-	0.5	2	venting	52.8	-	0.1	1	venting
200	2	765.3	0		160	0	180.6	0		32	0	118.3	0	not hooked up	48	0	105.6	0	not hooked up
204	3	255.8	4		155	3.5	258.4	7		32	0	18.3	0	unhooked	43	0	10.1	0	unhooked
200	4	889.1	50		165	0	151.1	8		-	0	96.7	-	not connected	-	0	248.2	-	not connected
184	3.5	-	43		184	2	341.9	0		37	0	1.1	0	unhooked	40	0	2.1	0	unhooked
204	2.5	911.4	48		202	0	193.9	37		34	0	99.4	0	closed	43	0	66.1	0	closed
205	2	1,074.00	32		202	0	224.1	10		40	0	62.9	0		52	0	67.8	0	
-	-	-	35	FO	-	-		9	FO										
139	0	36.2	0		39.7	0	273.8	9		46.6	0	71.3	0		33.1	0	65.1	0	
69	-	-	-		132	-	-	-		45	-	-	-		34	-	-	-	
68	0	80.9	37		140	0	68.2	8		60	0	20.5	3		50	0	28.7	3	
19	-	1	-	closed	40	-	4.2	-	closed	17	-	1.9	-	closed	30	-	29.1	-	closed
					138	3	2.9	-											
105	0	1.4																	

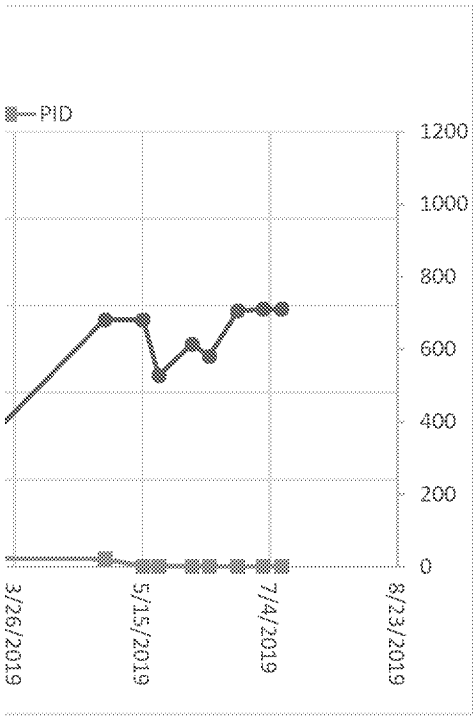
ED_012957A_00000642-00005


X-D2
Temp
PID
250
200
150
100
50
0
1200
1000
800
600
400
200
0
9/7/2018
10/27/2018
12/16/2018
2/4/2019
3/26/2019
5/15/2019
7/4/2019
8/23/2019


250
200
150
100
50
0
9/7/2018
10/27/2018


X-E2
Temp
PID
400
350
300
250
200
150
100
50
0
12/16/2018
2/4/2019
3/26/2019
5/15/2019
7/4/2019
8/23/2019


X-D3
Temp
250
200
150
100
50
0
9/7/2018
10/27/2018
12/16/2018
2/4/2019


PID
1200
1000
800
600
400
200
0
3/26/2019
5/15/2019
7/4/2019
8/23/2019