

COLORADO OFFICE
10758 W. CENTENNIAL RD., STE. 200
LITTLETON, CO 80127
TEL: (866) 981-4588
FAX: (720) 981-5643



LOST CREEK ISR, LLC

WYOMING OFFICE
5880 ENTERPRISE DR., STE. 200
CASPER, WY 82609
TEL: (307) 265-2373
FAX: (307) 265-2801

January 27, 2017

Brian Wood
State of Wyoming Department of Environmental Quality
Land Quality Division
510 Meadowview Drive
Lander, WY 82520

**Re: Quarterly Report for 4th Quarter 2016 for the Lost Creek ISR Project
Permit #788 (BLM WYW-166318)**

Dear Mr. Wood,

This Quarterly Report for the 4th calendar quarter of 2016 for the Lost Creek ISR Project has been submitted pursuant to Wyoming Department of Environmental Quality - Land Quality Division (LQD) Rules and Regulations Chapter 11 Section 15(b) to provide a summary of:

- *Mechanical Integrity Testing (Ch11 Sect 15(b)(ii)).*
- *Wellfield Monitoring and Water Quality (Ch11 Sect 14).*

Mechanical Integrity Testing

A total of 32 Mechanical Integrity Tests (MIT) were performed on a total of 32 wells in accordance with the approved Permit Operations Plan Section 3.4. Results are summarized on **Attachment 1**. The MITs resulted in 30 successful tests with 2 failures. Most of the MITs for the quarter were performed in conjunction with MO-108 excursion (NRC parameters) investigation. The two failed wells, 11181 and 11284, were not abandoned but recompleted by cementing up to the FG horizon to seal off communication from the HJ and to provide monitoring of the FG to aid in MO-108 excursion monitoring.

Wellfield Monitoring

Wellfield injection and production in Mine Unit 1 (MU1) continued throughout the quarter with thirteen (13) header houses in operation as of the end of the quarter. Lixiviant was generated by the addition of carbon dioxide (CO₂), and oxygen (O₂) to the injection stream.

The injection rates and pressures for each header house manifold are provided on **Attachment 2**. Additionally, production flow (PC), injection flow (IC), bleed values, and number of wells injecting are also represented. The bleed rate percentage is calculated by dividing the bleed rate by the production rate and multiplying by 100. Main bleed is diverted in a metered line directly from the injection circuit line. Additional bleed is determined by accounting for the swab water

Lost Creek ISR, LLC is a wholly-owned subsidiary of Ur-Energy Inc.

TSX: URE

www.ur-energy.com

generated from the wellfield and converting the volume to a flow rate equivalent. Bleed water is either recycled for secondary Plant process use prior to waste water disposal or is sent directly to the waste water stream. Waste water is disposed of by approved means.

Groundwater level data collected from Mine Unit 1 (MU1) and regional monitoring wells is included in **Attachment 3**. Water levels for MU1 were measured semi-monthly in conjunction with routine excursion groundwater sampling for the ring, overlying, and underlying monitor wells. Quarterly water levels were collected from regional wells (“LC” and “MB” wells). The wells experienced typical fluctuation in water levels for “MO” and “MU” wells and no significant changes in levels occurred. A more pronounced drawdown occurred in MO-108 due to corrective actions in response to an excursion (NRC parameters). Fluctuations are typical for the “M” wells but more pronounced since they are more directly affected by water balance in the wellfield.

Data results from routine groundwater quality monitoring analysis and associated quality control (QC) is included as **Attachment 4**. Excursion monitoring parameters include alkalinity, chloride, and specific conductance for which associated Upper Control Limits (UCLs) have been established by well group (i.e. ring, overlying, and underlying wells). As described in the Permit Operations Plan Section 3.6.4, an excursion may be indicated by any one analytical parameter result exceeding the associated UCL by 20% or more or by two or three results exceeding the respective UCL. The MU1 monitor wells were sampled routinely which includes 28 monitor ring wells, 26 mine unit wells (13 overlying and 13 underlying), and 2 regional DE horizon wells (within MU1). Sampling for operational monitoring was conducted in MU1 on a semi-monthly basis with each event at least 10 days apart. The table displays the analytical result, the applicable UCL value, and the percent difference. A negative percent difference indicates the analytical value is less than the UCL. The percent difference (or percent change) is determined by the following formula:

$$\% \text{ Difference} = \frac{\text{Result} - \text{UCL}}{\text{UCL}} \times 100$$

Monitoring for MO-108 was increased to weekly due to the excursion condition under NRC parameters.

The following analytical results exceeded the associated UCL during the quarter:

- Chloride results for MO-108 exceeded the UCL but by less than 20% on the following occasions: 10/25/2016, 11/1/2016, 11/8/2016, 11/15/2016, and 11/22/2016.
- Chloride values for MO-108 exceeded the UCL by more than 20% on 12/5/2016 but was not considered an excursion under the LQD parameters since the subsequent chloride values did not exceed the UCL.

Samples for routine UCL monitoring and weekly MO-108 monitoring in December were sent to Energy Laboratories due to the LC lab equipment being out of service for maintenance.

Samples were not collected from the regional DE horizon wells LC29M and MB-10 due to lack of water in the wells.

If you have any questions regarding this submittal please feel free to contact me at the Casper Office.

Sincerely,



Michael D. Gaither
Manager EHS and Regulatory Affairs
Ur-Energy USA, Inc.

Attachments: **Attachment 1: Mechanical Integrity Testing**
Attachment 2: Operational Flow Summary
Attachment 3: Groundwater Level Measurement Data
Attachment 4: MU1 Water Quality Data

Cc: Mr. Mark Newman, BLM Rawlins Field Office
Mr. John Saxton, NRC (via e-mail)
Ms. Theresa Horne, Ur-Energy, Littleton Office (via e-mail)

Attachment 1: Mechanical Integrity Testing
4th Quarter 2016
Lost Creek ISR Project PT788

	Well ID	Well Type	MIT ⁽¹⁾ Date	P/F	P&A ⁽²⁾ Date	Comments
1	1I145A	I	12/20/2016	Pass	N/A	Re MIT due to MO-108 Exc.
2	1I146A	I	12/20/2016	Pass	N/A	Re MIT due to MO-108 Exc.
3	1I147A	I	12/20/2016	Pass	N/A	Re MIT due to MO-108 Exc.
4	1I150	I	11/10/2016	Pass	N/A	Re MIT due to MO-108 Exc.
5	1I153	I	11/11/2016	Pass	N/A	Re MIT due to MO-108 Exc.
6	1I161	I	11/7/2016	Pass	N/A	Re MIT due to MO-108 Exc.
7	1I162	I	11/8/2016	Pass	N/A	Re MIT due to MO-108 Exc.
8	1I163	I	12/28/2016	Pass	N/A	Re MIT due to MO-108 Exc.
9	1I164	I	12/29/2016	Pass	N/A	Re MIT due to MO-108 Exc.
10	1I170	I	12/30/2016	Pass	N/A	Re MIT due to MO-108 Exc.
11	1I171	I	11/10/2016	Pass	N/A	Re MIT due to MO-108 Exc.
12	1I181	I	11/8/2016	Fail	Recompleted	Re MIT due to MO-108 Exc.
13	1I284	I	11/10/2016	Fail	Recompleted	Re MIT due to MO-108 Exc.
14	1I285	I	11/11/2016	Pass	N/A	Re MIT due to MO-108 Exc.
15	1I286	I	11/15/2016	Pass	N/A	Re MIT due to MO-108 Exc.
16	1I299	I	12/21/2016	Pass	N/A	
17	1I302	I	12/21/2016	Pass	N/A	Re MIT due to MO-108 Exc.
18	1I303	I	11/11/2016	Pass	N/A	Re MIT due to MO-108 Exc.
19	1I304	I	12/22/2016	Pass	N/A	Re MIT due to MO-108 Exc.
20	1I305A	I	11/9/2016	Pass	N/A	Re MIT due to MO-108 Exc.
21	1I306	I	11/8/2016	Pass	N/A	Re MIT due to MO-108 Exc.
22	1I307	I	11/7/2016	Pass	N/A	Re MIT due to MO-108 Exc.
23	1I328A	I	12/21/2016	Pass	N/A	
24	1I524	I	12/30/2016	Pass	N/A	Re MIT due to MO-108 Exc.
25	1I525	I	11/10/2016	Pass	N/A	Re MIT due to MO-108 Exc.
26	1I526	I	12/28/2016	Pass	N/A	Re MIT due to MO-108 Exc.
27	1I527	I	11/8/2016	Pass	N/A	Re MIT due to MO-108 Exc.
28	1P076A	P	11/21/2016	Pass	N/A	Re MIT due to MO-108 Exc.
29	1P079A	P	11/21/2016	Pass	N/A	Re MIT due to MO-108 Exc.
30	1P293A	P	12/12/2016	Pass	N/A	
31	KPW-2	M	11/7/2016	Pass	N/A	Re MIT due to MO-108 Exc.
32	MP-108	M	11/1/2016	Pass	N/A	Re MIT due to MO-108 Exc.

32 Total MITs
30 Pass
2 Fails
32 Wells Tested
2 Net Failed Wells

(1) MIT method for "Monitoring Wells" as described in WDEQ Permit #788 Operations Plan Section 3.4. Test performed by using packer(s) to isolate casing and then pressurize well.

(2) Plugging and abandonment (P&A) according to WDEQ Permit #788 Reclamation Plan Section 3.1

I: Class III Injection Well

P: Production Well

M: Monitor Well

Attachment 2: Plant Operational Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Production Flow Rate (avg gpm)	Injection Flow Rate (avg gpm)	Main Bleed Flow Rate (avg gpm)	Alternate Bleed* (equiv. gpm)	Total Bleed Rate (%)	Comments
10/1/2016	2773	2761	15.8	---	0.57%	
10/2/2016	2760	2746	15.5	---	0.56%	
10/3/2016	2728	2714	15.3	---	0.56%	
10/4/2016	2741	2723	13.6	2.4	0.59%	
10/5/2016	2664	2649	13.1	3.3	0.62%	
10/6/2016	2731	2719	10.5	7.6	0.66%	
10/7/2016	2701	2691	11.8	5.7	0.65%	
10/8/2016	2678	2661	15.1	---	0.56%	
10/9/2016	2639	2621	14.8	---	0.56%	
10/10/2016	2552	2535	14.7	---	0.58%	
10/11/2016	2736	2724	11.4	7.0	0.67%	
10/12/2016	2717	2707	9.5	7.5	0.62%	
10/13/2016	2740	2729	11.1	6.0	0.62%	
10/14/2016	2711	2697	13.1	3.3	0.60%	
10/15/2016	2694	2678	15.2	---	0.56%	
10/16/2016	2664	2647	15.0	---	0.56%	
10/17/2016	2663	2649	11.3	5.9	0.64%	
10/18/2016	2704	2690	11.1	6.2	0.64%	
10/19/2016	2741	2727	10.8	6.7	0.64%	
10/20/2016	2667	2653	11.7	5.1	0.63%	
10/21/2016	2729	2717	9.4	9.1	0.68%	
10/22/2016	2727	2711	15.3	---	0.56%	
10/23/2016	2687	2670	15.1	---	0.56%	
10/24/2016	2708	2698	10.1	7.8	0.66%	
10/25/2016	2745	2734	9.3	9.7	0.69%	
10/26/2016	2825	2814	10.9	8.0	0.67%	
10/27/2016	2921	2910	11.8	7.6	0.66%	
10/28/2016	2944	2939	9.0	11.2	0.69%	
10/29/2016	2937	2926	15.5	---	0.53%	
10/30/2016	2874	2861	16.3	---	0.57%	
10/31/2016	2808	2798	10.4	8.4	0.67%	
11/1/2016	2911	2903	8.1	12.6	0.71%	
11/2/2016	2942	2934	12.7	6.0	0.63%	
11/3/2016	2988	2983	11.1	9.2	0.68%	
11/4/2016	3081	3074	10.8	9.6	0.66%	
11/5/2016	3186	3174	17.8	---	0.56%	
11/6/2016	3024	3014	16.8	---	0.56%	
11/7/2016	2988	2982	11.7	7.9	0.66%	
11/8/2016	2880	2872	12.1	5.9	0.62%	
11/9/2016	2936	2933	8.1	12.6	0.71%	
11/10/2016	2773	2766	10.5	8.7	0.69%	
11/11/2016	2566	2559	6.8	12.8	0.77%	
11/12/2016	2397	2382	13.3	---	0.56%	
11/13/2016	2381	2366	13.4	---	0.56%	
11/14/2016	2325	2315	8.2	8.1	0.70%	
11/15/2016	2396	2386	8.0	8.3	0.68%	
11/16/2016	2412	2404	5.9	11.7	0.73%	
11/17/2016	2400	2385	13.6	---	0.57%	
11/18/2016	2425	2409	13.6	---	0.56%	
11/19/2016	2429	2413	13.6	---	0.56%	
11/20/2016	2424	2409	13.5	---	0.56%	

Attachment 2: Plant Operational Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Production Flow Rate (avg gpm)	Injection Flow Rate (avg gpm)	Main Bleed Flow Rate (avg gpm)	Alternate Bleed* (equiv. gpm)	Total Bleed Rate (%)	Comments
11/21/2016	2402	2398	6.8	10.9	0.74%	
11/22/2016	2370	2359	8.7	7.9	0.70%	
11/23/2016	2358	2347	9.0	7.3	0.69%	
11/24/2016	2310	2295	13.1	---	0.57%	
11/25/2016	2306	2291	13.2	---	0.57%	
11/26/2016	2290	2274	13.1	---	0.57%	
11/27/2016	2277	2257	12.7	---	0.56%	
11/28/2016	2397	2378	13.3	---	0.56%	
11/29/2016	2419	2400	12.8	---	0.53%	
11/30/2016	2417	2399	13.5	---	0.56%	
12/1/2016	2395	2384	8.2	8.1	0.68%	
12/2/2016	2407	2394	10.2	4.7	0.62%	
12/3/2016	2408	2390	13.6	---	0.56%	
12/4/2016	2390	2371	13.7	---	0.57%	
12/5/2016	2381	2363	13.4	---	0.56%	
12/6/2016	2392	2379	9.6	5.6	0.63%	
12/7/2016	2415	2401	10.8	3.8	0.60%	
12/8/2016	2410	2393	13.3	---	0.55%	
12/9/2016	2389	2371	13.4	---	0.56%	
12/10/2016	2393	2375	13.4	---	0.56%	
12/11/2016	2378	2361	13.5	---	0.57%	
12/12/2016	2364	2350	10.2	4.6	0.63%	
12/13/2016	2397	2382	12.0	---	0.50%	
12/14/2016	2414	2397	12.4	---	0.51%	
12/15/2016	2420	2404	11.7	2.4	0.58%	
12/16/2016	2426	2409	13.5	---	0.56%	
12/17/2016	2414	2398	13.4	---	0.56%	
12/18/2016	2408	2391	13.4	---	0.56%	
12/19/2016	2408	2390	13.4	---	0.56%	
12/20/2016	2406	2387	13.4	---	0.56%	
12/21/2016	2377	2360	13.3	---	0.56%	
12/22/2016	2383	2367	13.4	---	0.56%	
12/23/2016	2264	2248	13.0	---	0.57%	
12/24/2016	2252	2238	12.5	---	0.56%	
12/25/2016	2231	2217	12.6	---	0.56%	
12/26/2016	2206	2192	12.3	---	0.56%	
12/27/2016	2202	2188	12.2	---	0.55%	
12/28/2016	2235	2220	12.5	---	0.56%	
12/29/2016	2278	2260	12.6	---	0.55%	
12/30/2016	2297	2284	12.7	---	0.55%	
12/31/2016	2297	2283	12.7	---	0.55%	

NOTE: Flow rates are normalized to a 24 hr period.

gpm: gallons per minute

*Wellfield swab water discharge to ponds - volume converted to equivalent flow rate

Attachment 2: HH1-1 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
10/1/2016	84	117	103	32	9	
10/2/2016	84	117	103	32	9	
10/3/2016	84	120	103	32	9	
10/4/2016	84	125	103	32	9	
10/5/2016	84	120	103	32	9	
10/6/2016	84	120	103	32	9	
10/7/2016	84	119	96	32	9	
10/8/2016	84	122	96	32	9	
10/9/2016	84	122	96	32	9	
10/10/2016	84	122	96	32	9	
10/11/2016	84	121	96	32	9	
10/12/2016	84	121	96	32	9	
10/13/2016	84	121	96	32	9	
10/14/2016	84	120	96	32	9	
10/15/2016	91	122	64	32	6	
10/16/2016	NA*	NA*	NA*	32	6	*Bad data point in PI/Missing field sheet
10/17/2016	93	125	68	32	9	
10/18/2016	93	125	68	32	9	
10/19/2016	93	125	68	32	9	
10/20/2016	93	125	68	32	9	
10/21/2016	93	125	68	32	9	
10/22/2016	93	125	100	32	9	
10/23/2016	93	125	100	32	9	
10/24/2016	93	125	100	32	9	
10/25/2016	93	125	100	32	9	
10/26/2016	93	125	100	32	9	
10/27/2016	93	125	100	32	9	
10/28/2016	93	125	100	32	9	
10/29/2016	93	125	100	32	9	
10/30/2016	93	125	100	32	9	
10/31/2016	93	125	100	32	9	
11/1/2016	93	82	100	31	8	
11/2/2016	93	125	100	31	8	
11/3/2016	93	124	100	31	8	
11/4/2016	93	125	100	31	8	
11/5/2016	93	125	100	31	8	
11/6/2016	93	125	100	31	8	
11/7/2016	93	125	100	31	8	
11/8/2016	93	125	100	31	8	
11/9/2016	93	125	100	31	8	
11/10/2016	93	125	100	31	8	
11/11/2016	93	125	100	31	8	
11/12/2016	93	125	100	31	8	
11/13/2016	93	125	100	31	8	
11/14/2016	0	0	0	31	8	
11/15/2016	0	0	0	0	0	
11/16/2016	0	0	0	0	0	
11/17/2016	0	0	0	0	1	
11/18/2016	0	0	13	0	1	
11/19/2016	0	0	13	0	1	

Attachment 2: HH1-1 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
11/20/2016	0	0	13	0	1	
11/21/2016	0	0	13	0	1	
11/22/2016	0	0	13	0	1	
11/23/2016	0	0	13	0	1	
11/24/2016	0	0	13	0	1	
11/25/2016	0	0	13	0	1	
11/26/2016	0	0	13	0	1	
11/27/2016	0	0	13	0	1	
11/28/2016	0	0	13	0	1	
11/29/2016	0	0	13	0	1	
11/30/2016	0	0	13	0	1	
12/1/2016	0	0	13	0	1	
12/2/2016	0	0	13	0	1	
12/3/2016	0	0	13	0	1	
12/4/2016	0	0	13	0	1	
12/5/2016	0	0	13	0	1	
12/6/2016	0	0	13	0	1	
12/7/2016	0	0	13	0	1	
12/8/2016	0	0	13	0	1	
12/9/2016	0	0	13	0	1	
12/10/2016	0	0	13	0	1	
12/11/2016	0	0	13	0	1	
12/12/2016	0	0	13	0	1	
12/13/2016	0	0	13	0	1	
12/14/2016	0	0	13	0	1	
12/15/2016	0	0	13	0	1	
12/16/2016	0	0	13	0	1	
12/17/2016	0	0	13	0	1	
12/18/2016	0	0	13	0	1	
12/19/2016	0	0	13	0	1	
12/20/2016	0	0	13	0	1	
12/21/2016	0	0	13	0	1	
12/22/2016	0	0	13	0	1	
12/23/2016	0	0	13	0	1	
12/24/2016	0	0	13	0	1	
12/25/2016	0	0	13	0	1	
12/26/2016	0	0	13	0	1	
12/27/2016	0	0	13	0	1	
12/28/2016	0	0	13	0	1	
12/29/2016	0	0	13	0	1	
12/30/2016	0	0	13	0	1	
12/31/2016	10	0	13	2	1	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated fracture pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

Attachment 2: HH1-2 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
10/1/2016	51	121	61	34	4	
10/2/2016	51	121	61	34	4	
10/3/2016	50	121	60	35	4	
10/4/2016	50	121	62	35	4	
10/5/2016	50	121	61	35	4	
10/6/2016	50	122	62	34	4	
10/7/2016	51	121	58	36	4	
10/8/2016	50	121	58	36	4	
10/9/2016	53	123	58	37	4	
10/10/2016	52	122	58	38	4	
10/11/2016	52	121	57	38	4	
10/12/2016	52	121	61	38	4	
10/13/2016	51	121	61	37	4	
10/14/2016	51	121	61	38	4	
10/15/2016	51	123	59	38	4	
10/16/2016	50	123	59	38	4	
10/17/2016	50	123	58	37	4	
10/18/2016	50	123	59	36	4	
10/19/2016	50	123	61	37	4	
10/20/2016	50	122	61	38	3	
10/21/2016	48	125	60	36	3	
10/22/2016	52	121	61	35	3	
10/23/2016	52	121	59	35	3	
10/24/2016	52	122	59	36	3	
10/25/2016	51	122	58	37	3	
10/26/2016	52	122	60	37	3	
10/27/2016	50	121	58	36	3	
10/28/2016	50	122	62	36	3	
10/29/2016	50	123	59	36	3	
10/30/2016	50	124	57	36	3	
10/31/2016	50	122	56	36	3	
11/1/2016	49	121	58	36	3	
11/2/2016	49	122	58	37	3	
11/3/2016	50	122	56	37	3	
11/4/2016	80	125	57	36	3	
11/5/2016	78	121	56	36	3	
11/6/2016	77	121	57	36	3	
11/7/2016	77	121	55	36	3	
11/8/2016	53	126	53	37	3	
11/9/2016	52	127	52	38	3	
11/10/2016	49	121	36	37	3	
11/11/2016	53	123	35	30	2	
11/12/2016	56	124	38	39	4	
11/13/2016	56	124	38	39	4	
11/14/2016	0	0	0	0	0	
11/15/2016	0	0	0	0	0	
11/16/2016	0	0	0	0	0	
11/17/2016	0	0	0	0	0	
11/18/2016	0	0	25	0	2	
11/19/2016	0	0	26	0	2	

Attachment 2: HH1-2 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
11/20/2016	0	0	26	0	2	
11/21/2016	0	0	28	0	2	
11/22/2016	0	0	27	0	2	
11/23/2016	0	0	27	0	2	
11/24/2016	0	0	28	0	2	
11/25/2016	0	0	29	0	2	
11/26/2016	0	0	28	0	2	
11/27/2016	0	0	28	0	2	
11/28/2016	0	0	30	0	2	
11/29/2016	0	0	25	0	2	
11/30/2016	0	0	25	0	2	
12/1/2016	0	0	25	0	2	
12/2/2016	0	0	25	0	2	
12/3/2016	0	0	25	0	2	
12/4/2016	0	0	25	0	2	
12/5/2016	0	0	25	0	2	
12/6/2016	0	0	25	0	2	
12/7/2016	0	0	25	0	2	
12/8/2016	0	0	25	0	2	
12/9/2016	0	0	25	0	2	
12/10/2016	0	0	25	0	2	
12/11/2016	0	0	25	0	2	
12/12/2016	0	0	25	0	2	
12/13/2016	0	0	25	0	2	
12/14/2016	0	0	25	0	2	
12/15/2016	0	0	25	0	2	
12/16/2016	0	0	25	0	2	
12/17/2016	0	0	25	0	2	
12/18/2016	0	0	25	0	2	
12/19/2016	0	0	25	0	2	
12/20/2016	0	0	25	0	2	
12/21/2016	0	0	25	0	2	
12/22/2016	0	0	25	0	2	
12/23/2016	0	0	25	0	2	
12/24/2016	0	0	25	0	2	
12/25/2016	0	0	25	0	2	
12/26/2016	0	0	25	0	2	
12/27/2016	0	0	25	0	2	
12/28/2016	0	0	25	0	2	
12/29/2016	0	0	25	0	2	
12/30/2016	0	0	25	0	2	
12/31/2016	0	0	25	0	2	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

Attachment 2: HH1-3 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
10/1/2016	126	121	116	36	6	
10/2/2016	126	123	117	36	6	
10/3/2016	126	123	114	36	6	
10/4/2016	125	122	116	36	6	
10/5/2016	125	122	116	33	6	
10/6/2016	119	123	116	32	6	
10/7/2016	127	123	112	36	6	
10/8/2016	127	122	113	36	6	
10/9/2016	125	123	113	35	6	
10/10/2016	127	123	113	33	6	
10/11/2016	126	122	112	32	6	
10/12/2016	126	123	116	32	6	
10/13/2016	124	123	116	34	6	
10/14/2016	121	123	117	34	6	
10/15/2016	127	122	114	36	6	
10/16/2016	124	122	113	36	6	
10/17/2016	126	123	113	35	6	
10/18/2016	125	123	113	34	6	
10/19/2016	123	123	97	34	5	
10/20/2016	123	123	97	34	6	
10/21/2016	132	124	115	35	6	
10/22/2016	130	122	116	35	6	
10/23/2016	124	122	113	34	6	
10/24/2016	125	122	112	35	6	
10/25/2016	121	123	110	32	6	
10/26/2016	122	123	112	31	6	
10/27/2016	110	123	111	22	6	
10/28/2016	112	124	115	29	6	
10/29/2016	120	121	112	32	6	
10/30/2016	117	122	109	29	6	
10/31/2016	119	122	107	24	6	
11/1/2016	123	123	112	39	6	
11/2/2016	123	122	112	32	6	
11/3/2016	118	123	106	28	6	
11/4/2016	117	123	112	28	6	
11/5/2016	116	123	112	27	6	
11/6/2016	116	123	113	27	6	
11/7/2016	116	123	111	28	6	
11/8/2016	117	123	108	33	6	
11/9/2016	118	123	106	34	6	
11/10/2016	118	123	107	30	6	
11/11/2016	122	123	103	34	6	
11/12/2016	96	122	89	30	4	
11/13/2016	96	122	90	31	4	
11/14/2016	96	123	90	31	4	
11/15/2016	92	117	87	33	4	
11/16/2016	97	110	87	34	4	
11/17/2016	101	108	87	33	4	
11/18/2016	102	106	85	34	4	
11/19/2016	110	113	86	35	4	

Attachment 2: HH1-3 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
11/20/2016	111	114	86	34	4	
11/21/2016	117	122	90	34	4	
11/22/2016	114	117	88	34	4	
11/23/2016	114	117	88	35	4	
11/24/2016	114	117	91	35	4	
11/25/2016	114	117	92	36	4	
11/26/2016	114	117	91	36	4	
11/27/2016	114	118	91	35	4	
11/28/2016	115	119	94	35	4	
11/29/2016	115	119	85	34	4	
11/30/2016	115	119	83	33	4	
12/1/2016	114	119	85	33	4	
12/2/2016	114	119	82	34	4	
12/3/2016	116	120	82	34	4	
12/4/2016	115	121	81	34	4	
12/5/2016	115	120	82	34	4	
12/6/2016	114	121	81	34	4	
12/7/2016	114	121	81	34	4	
12/8/2016	113	121	81	34	4	
12/9/2016	113	120	82	34	4	
12/10/2016	113	120	82	34	4	
12/11/2016	114	122	83	34	4	
12/12/2016	114	122	82	34	4	
12/13/2016	114	122	80	34	4	
12/14/2016	115	122	79	34	4	
12/15/2016	113	122	82	34	4	
12/16/2016	118	122	78	34	4	
12/17/2016	117	122	78	34	4	
12/18/2016	118	122	80	35	4	
12/19/2016	118	122	79	35	4	
12/20/2016	118	122	79	35	4	
12/21/2016	119	122	79	35	4	
12/22/2016	119	123	78	35	4	
12/23/2016	119	122	79	35	4	
12/24/2016	119	124	78	35	4	
12/25/2016	120	124	80	35	4	
12/26/2016	117	123	78	35	4	
12/27/2016	116	123	80	35	4	
12/28/2016	117	123	80	35	4	
12/29/2016	116	123	81	35	4	
12/30/2016	114	123	85	35	4	
12/31/2016	114	123	87	35	4	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

Attachment 2: HH1-4 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
10/1/2016	88	124	72	39	4	
10/2/2016	87	123	71	40	4	
10/3/2016	85	123	70	40	4	
10/4/2016	83	124	71	40	4	
10/5/2016	95	121	72	37	4	
10/6/2016	93	122	72	39	4	
10/7/2016	86	124	68	39	4	
10/8/2016	78	124	49	36	3	
10/9/2016	78	124	49	36	3	
10/10/2016	77	124	49	36	3	
10/11/2016	76	124	49	36	3	
10/12/2016	78	124	50	36	3	
10/13/2016	77	124	31	35	3	
10/14/2016	76	124	31	36	3	
10/15/2016	77	124	50	36	3	
10/16/2016	76	124	49	36	3	
10/17/2016	77	125	49	36	3	
10/18/2016	77	125	49	36	3	
10/19/2016	77	124	51	36	3	
10/20/2016	78	124	51	17	4	
10/21/2016	71	125	28	32	4	
10/22/2016	87	115	71	34	4	
10/23/2016	82	136	70	33	4	
10/24/2016	79	126	69	34	5	
10/25/2016	79	125	86	32	5	
10/26/2016	83	124	87	33	5	
10/27/2016	82	123	87	36	5	
10/28/2016	82	124	90	35	5	
10/29/2016	78	126	88	32	5	
10/30/2016	75	127	86	32	5	
10/31/2016	77	124	84	34	5	
11/1/2016	76	123	86	34	5	
11/2/2016	75	124	87	34	5	
11/3/2016	76	124	86	33	5	
11/4/2016	75	123	69	32	4	
11/5/2016	75	123	69	32	4	
11/6/2016	75	123	69	33	4	
11/7/2016	75	123	68	35	4	
11/8/2016	79	122	66	35	4	
11/9/2016	79	121	67	36	5	
11/10/2016	80	124	49	34	5	
11/11/2016	81	123	84	36	5	
11/12/2016	76	121	53	35	3	
11/13/2016	76	121	53	35	3	
11/14/2016	76	121	53	32	3	
11/15/2016	73	116	54	29	3	
11/16/2016	75	112	51	32	3	
11/17/2016	76	115	51	31	4	
11/18/2016	75	113	66	32	4	
11/19/2016	79	120	68	32	4	

Attachment 2: HH1-4 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
11/20/2016	80	121	68	32	4	
11/21/2016	84	130	72	32	4	
11/22/2016	76	117	70	31	4	
11/23/2016	76	117	70	30	4	
11/24/2016	80	123	74	32	4	
11/25/2016	79	123	74	31	4	
11/26/2016	78	123	74	32	4	
11/27/2016	78	123	74	32	4	
11/28/2016	79	124	77	32	4	
11/29/2016	77	124	68	32	4	
11/30/2016	77	124	66	32	4	
12/1/2016	76	124	68	33	4	
12/2/2016	77	124	65	34	4	
12/3/2016	77	126	66	33	4	
12/4/2016	75	124	57	34	4	
12/5/2016	77	124	60	33	3	
12/6/2016	75	124	58	33	3	
12/7/2016	74	124	58	32	3	
12/8/2016	62	127	57	31	3	
12/9/2016	63	127	57	32	3	
12/10/2016	58	125	40	32	2	
12/11/2016	59	125	42	32	2	
12/12/2016	57	125	38	32	3	
12/13/2016	60	123	56	33	5	
12/14/2016	82	117	96	33	6	
12/15/2016	94	117	131	32	6	
12/16/2016	96	124	122	33	6	
12/17/2016	96	125	110	33	6	
12/18/2016	94	125	100	33	5	
12/19/2016	95	124	115	33	5	
12/20/2016	95	123	119	33	5	
12/21/2016	95	123	119	33	6	
12/22/2016	98	124	124	33	6	
12/23/2016	98	123	132	33	6	
12/24/2016	95	125	99	33	6	
12/25/2016	94	126	120	33	5	
12/26/2016	93	124	118	33	5	
12/27/2016	91	125	86	32	5	
12/28/2016	95	123	102	32	6	
12/29/2016	95	123	106	31	5	
12/30/2016	105	120	109	31	5	
12/31/2016	104	121	104	31	4	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

Attachment 2: HH1-5 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
10/1/2016	76	125	42	31	3	
10/2/2016	75	124	43	31	3	
10/3/2016	74	125	42	31	3	
10/4/2016	73	125	43	31	3	
10/5/2016	81	122	43	27	3	
10/6/2016	81	123	43	28	3	
10/7/2016	70	126	42	31	3	
10/8/2016	69	124	41	31	3	
10/9/2016	75	125	41	31	3	
10/10/2016	75	125	42	31	3	
10/11/2016	75	125	41	31	3	
10/12/2016	75	125	43	31	3	
10/13/2016	73	125	43	30	3	
10/14/2016	67	127	43	27	3	
10/15/2016	73	125	42	31	3	
10/16/2016	72	124	42	31	3	
10/17/2016	71	124	42	30	3	
10/18/2016	75	126	42	29	3	
10/19/2016	75	126	43	30	3	
10/20/2016	74	126	43	30	3	
10/21/2016	76	126	43	22	3	
10/22/2016	83	124	44	29	3	
10/23/2016	71	127	43	29	3	
10/24/2016	72	125	43	27	3	
10/25/2016	71	125	42	25	3	
10/26/2016	80	121	43	30	5	
10/27/2016	73	124	39	29	3	
10/28/2016	74	125	0	28	3	
10/29/2016	74	126	37	27	3	
10/30/2016	63	130	37	29	3	
10/31/2016	73	119	36	25	3	
11/1/2016	73	126	37	25	3	
11/2/2016	70	125	37	29	4	
11/3/2016	70	125	37	29	4	
11/4/2016	68	126	39	29	4	
11/5/2016	68	125	39	29	4	
11/6/2016	67	126	39	29	4	
11/7/2016	66	126	38	28	4	
11/8/2016	67	127	37	29	4	
11/9/2016	70	125	37	29	4	
11/10/2016	68	126	37	26	4	
11/11/2016	72	126	36	27	4	
11/12/2016	68	123	40	24	4	
11/13/2016	68	123	40	28	4	
11/14/2016	69	123	40	28	4	
11/15/2016	69	118	38	29	4	
11/16/2016	68	118	38	31	4	
11/17/2016	67	117	38	31	4	
11/18/2016	68	114	38	30	4	
11/19/2016	80	121	38	29	4	

Attachment 2: HH1-5 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
11/20/2016	81	123	38	29	4	
11/21/2016	86	131	40	26	3	
11/22/2016	73	121	38	22	3	
11/23/2016	65	123	38	19	3	
11/24/2016	64	123	40	19	3	
11/25/2016	64	123	40	19	3	
11/26/2016	70	124	40	19	3	
11/27/2016	70	124	40	19	3	
11/28/2016	71	126	41	21	6	
11/29/2016	82	123	77	18	7	
11/30/2016	82	123	91	18	7	
12/1/2016	81	123	75	18	7	
12/2/2016	79	125	92	17	8	
12/3/2016	92	124	111	16	8	
12/4/2016	90	124	110	16	8	
12/5/2016	90	124	111	19	8	
12/6/2016	115	118	128	17	8	
12/7/2016	115	117	129	17	8	
12/8/2016	115	118	130	17	8	
12/9/2016	113	118	131	17	8	
12/10/2016	112	124	132	16	8	
12/11/2016	116	123	134	17	8	
12/12/2016	116	124	131	17	8	
12/13/2016	118	123	128	17	8	
12/14/2016	118	124	126	17	8	
12/15/2016	114	124	21	17	8	
12/16/2016	117	126	125	17	8	
12/17/2016	117	126	126	17	8	
12/18/2016	114	125	128	17	8	
12/19/2016	116	125	126	17	8	
12/20/2016	115	125	128	17	8	
12/21/2016	115	125	128	17	8	
12/22/2016	115	126	125	15	8	
12/23/2016	0	0	20	0	0	
12/24/2016	0	0	19	0	0	
12/25/2016	0	0	20	0	0	
12/26/2016	0	0	19	0	0	
12/27/2016	0	0	20	0	0	
12/28/2016	24	0	20	6	1	
12/29/2016	32	79	21	13	1	
12/30/2016	72	64	21	14	1	
12/31/2016	71	67	22	14	1	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

Attachment 2: HH1-6 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
10/1/2016	89	125	103	37	7	
10/2/2016	92	129	100	37	7	
10/3/2016	92	129	103	37	7	
10/4/2016	90	129	110	37	7	
10/5/2016	101	128	117	35	7	
10/6/2016	98	129	96	35	6	
10/7/2016	95	129	92	37	6	
10/8/2016	93	129	92	37	6	
10/9/2016	92	129	93	37	6	
10/10/2016	91	129	91	37	6	
10/11/2016	89	130	90	37	6	
10/12/2016	87	130	98	34	6	
10/13/2016	93	128	96	34	6	
10/14/2016	90	128	94	34	6	
10/15/2016	90	129	96	37	6	
10/16/2016	89	129	95	35	6	
10/17/2016	94	128	95	37	6	
10/18/2016	92	129	96	37	6	
10/19/2016	93	128	98	37	6	
10/20/2016	94	128	100	37	6	
10/21/2016	105	129	99	35	6	
10/22/2016	102	127	99	37	6	
10/23/2016	98	129	98	37	6	
10/24/2016	95	129	97	37	6	
10/25/2016	92	129	96	35	6	
10/26/2016	95	128	98	36	6	
10/27/2016	89	128	95	36	6	
10/28/2016	88	130	103	36	6	
10/29/2016	88	130	97	36	6	
10/30/2016	83	132	95	36	6	
10/31/2016	81	128	93	36	6	
11/1/2016	94	127	96	37	6	
11/2/2016	91	129	97	37	6	
11/3/2016	90	129	95	37	6	
11/4/2016	88	129	98	37	6	
11/5/2016	87	129	98	37	6	
11/6/2016	85	129	78	37	6	
11/7/2016	85	129	76	37	5	
11/8/2016	84	127	75	36	5	
11/9/2016	83	127	75	35	5	
11/10/2016	86	128	76	35	5	
11/11/2016	80	129	73	30	5	
11/12/2016	107	120	72	30	4	
11/13/2016	107	120	72	30	4	
11/14/2016	105	120	63	30	5	
11/15/2016	90	120	55	32	5	
11/16/2016	168	112	84	32	7	
11/17/2016	152	111	118	26	7	
11/18/2016	141	109	68	16	5	
11/19/2016	80	117	64	16	5	

Attachment 2: HH1-6 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
11/20/2016	80	118	64	16	5	
11/21/2016	85	126	69	16	5	
11/22/2016	82	124	47	16	5	
11/23/2016	81	124	55	16	5	
11/24/2016	84	121	48	17	4	
11/25/2016	0	0	0	0	0	
11/26/2016	0	0	0	0	0	
11/27/2016	0	0	0	0	0	
11/28/2016	0	0	0	0	0	
11/29/2016	0	0	0	0	0	
11/30/2016	0	0	0	0	0	
12/1/2016	0	0	0	0	0	
12/2/2016	0	0	0	0	0	
12/3/2016	82	118	66	16	5	
12/4/2016	82	118	66	16	5	
12/5/2016	82	118	66	16	5	
12/6/2016	0	0	0	0	0	
12/7/2016	0	0	0	0	0	
12/8/2016	0	0	0	0	0	
12/9/2016	0	0	0	0	0	
12/10/2016	0	0	0	0	0	
12/11/2016	0	0	0	0	0	
12/12/2016	0	0	0	0	0	
12/13/2016	0	0	0	0	0	
12/14/2016	0	0	0	0	0	
12/15/2016	0	0	0	0	0	
12/16/2016	0	0	0	0	0	
12/17/2016	0	0	0	0	0	
12/18/2016	0	0	0	0	0	
12/19/2016	0	0	0	0	0	
12/20/2016	0	0	0	0	0	
12/21/2016	0	0	0	0	0	
12/22/2016	0	0	0	0	0	
12/23/2016	0	0	0	0	0	
12/24/2016	0	0	0	0	0	
12/25/2016	0	0	0	0	0	
12/26/2016	0	0	0	0	0	
12/27/2016	0	0	0	0	0	
12/28/2016	0	0	0	0	0	
12/29/2016	0	0	0	0	0	
12/30/2016	0	0	0	0	0	
12/31/2016	0	0	0	0	0	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

Attachment 2: HH1-7 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
10/1/2016	134	120	179	42	9	
10/2/2016	137	124	181	42	9	
10/3/2016	136	124	179	42	9	
10/4/2016	132	124	123	42	9	
10/5/2016	136	123	179	42	9	
10/6/2016	134	124	180	41	9	
10/7/2016	133	124	175	42	9	
10/8/2016	133	126	172	42	10	
10/9/2016	133	126	172	42	10	
10/10/2016	133	126	171	42	10	
10/11/2016	119	126	171	39	10	
10/12/2016	137	126	160	39	10	
10/13/2016	135	125	161	39	10	
10/14/2016	135	126	163	39	10	
10/15/2016	139	125	162	42	10	
10/16/2016	136	126	161	42	10	
10/17/2016	139	129	161	42	10	
10/18/2016	138	129	162	42	10	
10/19/2016	138	128	164	42	10	
10/20/2016	137	128	165	42	10	
10/21/2016	136	131	151	42	9	
10/22/2016	127	129	154	41	9	
10/23/2016	128	129	151	42	9	
10/24/2016	128	129	150	42	9	
10/25/2016	123	128	151	42	9	
10/26/2016	120	128	153	42	9	
10/27/2016	122	128	191	42	8	
10/28/2016	114	129	143	42	6	
10/29/2016	157	129	140	41	6	
10/30/2016	127	130	137	39	6	
10/31/2016	126	130	133	39	6	
11/1/2016	135	129	137	40	8	
11/2/2016	171	129	179	41	9	
11/3/2016	187	129	186	40	12	
11/4/2016	254	125	256	40	15	
11/5/2016	343	121	309	40	15	
11/6/2016	325	124	310	39	15	
11/7/2016	300	125	302	40	15	
11/8/2016	340	124	310	40	15	
11/9/2016	336	124	308	40	15	
11/10/2016	315	125	309	39	15	
11/11/2016	266	127	292	40	15	
11/12/2016	211	125	241	39	11	
11/13/2016	209	125	239	39	11	
11/14/2016	204	125	236	42	13	
11/15/2016	191	120	265	40	13	
11/16/2016	205	107	266	41	13	
11/17/2016	204	105	260	41	13	
11/18/2016	204	103	262	41	13	
11/19/2016	210	110	245	41	12	

Attachment 2: HH1-7 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
11/20/2016	211	111	245	41	12	
11/21/2016	222	119	257	41	12	
11/22/2016	223	119	255	41	12	
11/23/2016	221	120	235	41	12	
11/24/2016	211	120	241	41	11	
11/25/2016	212	120	239	42	12	
11/26/2016	221	120	236	42	11	
11/27/2016	217	120	235	41	11	
11/28/2016	216	121	245	41	11	
11/29/2016	226	120	227	41	11	
11/30/2016	224	120	225	41	11	
12/1/2016	223	120	227	41	11	
12/2/2016	218	121	218	42	11	
12/3/2016	222	122	219	42	11	
12/4/2016	215	123	219	42	11	
12/5/2016	217	123	220	42	11	
12/6/2016	216	123	215	42	11	
12/7/2016	215	123	214	42	11	
12/8/2016	228	122	218	41	11	
12/9/2016	227	122	218	41	11	
12/10/2016	225	122	219	42	11	
12/11/2016	228	122	221	42	11	
12/12/2016	231	122	201	42	10	
12/13/2016	229	122	199	42	10	
12/14/2016	223	123	198	42	10	
12/15/2016	224	122	206	42	10	
12/16/2016	224	122	197	42	10	
12/17/2016	224	122	198	42	10	
12/18/2016	223	122	200	42	10	
12/19/2016	223	123	199	42	10	
12/20/2016	222	123	200	42	10	
12/21/2016	222	123	200	42	10	
12/22/2016	202	125	195	42	10	
12/23/2016	218	123	197	42	10	
12/24/2016	213	125	195	42	10	
12/25/2016	219	125	200	42	10	
12/26/2016	215	125	195	42	10	
12/27/2016	212	125	197	42	10	
12/28/2016	212	125	196	42	10	
12/29/2016	208	125	199	42	10	
12/30/2016	208	124	204	42	10	
12/31/2016	209	124	208	42	10	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

Attachment 2: HH1-8 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
10/1/2016	135	121	166	42	11	
10/2/2016	137	124	168	42	11	
10/3/2016	136	124	166	42	11	
10/4/2016	135	124	171	42	11	
10/5/2016	137	124	164	42	12	
10/6/2016	134	124	181	42	12	
10/7/2016	134	124	177	42	13	
10/8/2016	138	124	195	42	13	
10/9/2016	134	124	177	42	14	
10/10/2016	132	124	189	42	13	
10/11/2016	132	124	183	42	13	
10/12/2016	138	124	147	42	10	
10/13/2016	135	124	148	42	10	
10/14/2016	135	124	151	42	10	
10/15/2016	135	124	144	42	10	
10/16/2016	135	124	142	42	10	
10/17/2016	134	123	143	42	10	
10/18/2016	133	123	146	42	10	
10/19/2016	135	123	146	42	10	
10/20/2016	134	123	149	42	10	
10/21/2016	122	126	147	41	10	
10/22/2016	163	119	140	40	9	
10/23/2016	156	120	139	40	9	
10/24/2016	149	121	138	41	9	
10/25/2016	198	100	145	41	9	
10/26/2016	203	101	148	42	11	
10/27/2016	249	97	221	40	15	
10/28/2016	301	84	285	41	18	
10/29/2016	301	84	339	41	18	
10/30/2016	331	104	338	41	18	
10/31/2016	299	106	329	41	18	
11/1/2016	325	104	339	41	18	
11/2/2016	318	103	343	41	18	
11/3/2016	297	98	336	40	18	
11/4/2016	297	102	344	41	18	
11/5/2016	296	102	346	41	18	
11/6/2016	289	104	344	41	18	
11/7/2016	278	106	334	41	18	
11/8/2016	249	99	315	41	17	
11/9/2016	246	123	289	41	16	
11/10/2016	253	122	297	40	16	
11/11/2016	241	121	287	40	16	
11/12/2016	209	120	247	40	14	
11/13/2016	209	120	282	40	14	
11/14/2016	208	121	280	41	14	
11/15/2016	242	119	267	41	14	
11/16/2016	226	107	264	41	14	
11/17/2016	228	105	263	41	14	
11/18/2016	226	103	259	41	14	
11/19/2016	235	110	266	41	14	

Attachment 2: HH1-8 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
11/20/2016	234	111	269	41	14	
11/21/2016	244	119	282	41	14	
11/22/2016	246	119	264	41	14	
11/23/2016	243	120	264	41	14	
11/24/2016	236	120	255	41	13	
11/25/2016	235	120	253	41	13	
11/26/2016	232	120	251	41	13	
11/27/2016	232	120	254	40	13	
11/28/2016	231	121	243	41	13	
11/29/2016	230	121	227	41	12	
11/30/2016	227	121	225	41	12	
12/1/2016	228	121	226	41	12	
12/2/2016	222	121	222	40	12	
12/3/2016	222	123	224	40	12	
12/4/2016	218	123	227	40	12	
12/5/2016	216	123	227	39	12	
12/6/2016	213	123	223	39	12	
12/7/2016	212	122	221	39	12	
12/8/2016	215	123	225	39	12	
12/9/2016	214	123	226	39	12	
12/10/2016	213	123	228	39	12	
12/11/2016	214	123	230	39	12	
12/12/2016	212	123	228	39	12	
12/13/2016	209	123	226	39	12	
12/14/2016	207	123	210	39	11	
12/15/2016	205	123	218	39	11	
12/16/2016	204	123	210	39	11	
12/17/2016	204	123	211	39	11	
12/18/2016	202	123	212	39	11	
12/19/2016	202	123	211	39	11	
12/20/2016	201	123	212	39	11	
12/21/2016	201	124	212	39	11	
12/22/2016	203	125	209	39	11	
12/23/2016	203	124	208	39	11	
12/24/2016	199	126	207	39	11	
12/25/2016	200	126	211	39	11	
12/26/2016	194	123	209	39	11	
12/27/2016	193	123	211	39	11	
12/28/2016	193	123	210	39	11	
12/29/2016	193	123	210	39	11	
12/30/2016	194	122	214	39	11	
12/31/2016	194	123	217	39	11	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

Attachment 2: HH1-9 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
10/1/2016	290	113	239	48	12	
10/2/2016	295	116	259	48	12	
10/3/2016	292	116	255	48	12	
10/4/2016	293	116	272	48	12	
10/5/2016	292	116	247	43	13	
10/6/2016	272	113	249	43	13	
10/7/2016	296	112	244	47	15	
10/8/2016	321	114	274	46	16	
10/9/2016	308	110	270	48	16	
10/10/2016	315	115	266	46	16	
10/11/2016	357	113	258	48	18	
10/12/2016	354	113	313	48	20	
10/13/2016	360	112	333	47	21	
10/14/2016	384	111	336	46	19	
10/15/2016	359	113	336	45	20	
10/16/2016	344	114	314	45	20	
10/17/2016	331	115	311	47	20	
10/18/2016	367	113	326	47	20	
10/19/2016	385	111	344	47	20	
10/20/2016	420	108	358	47	21	
10/21/2016	444	110	400	47	21	
10/22/2016	373	112	389	47	21	
10/23/2016	385	111	367	47	21	
10/24/2016	361	113	351	47	19	
10/25/2016	361	116	369	46	19	
10/26/2016	362	115	352	46	19	
10/27/2016	356	115	334	46	18	
10/28/2016	355	116	347	46	17	
10/29/2016	354	117	321	46	17	
10/30/2016	342	118	299	46	17	
10/31/2016	337	118	312	46	16	
11/1/2016	339	118	318	46	16	
11/2/2016	338	118	311	46	16	
11/3/2016	339	118	314	46	16	
11/4/2016	338	117	303	46	18	
11/5/2016	339	117	336	46	17	
11/6/2016	339	117	333	46	17	
11/7/2016	336	117	328	46	17	
11/8/2016	334	118	292	46	18	
11/9/2016	335	118	327	47	18	
11/10/2016	350	118	324	47	19	
11/11/2016	379	116	306	47	17	
11/12/2016	356	114	324	47	16	
11/13/2016	355	114	301	47	17	
11/14/2016	360	114	307	47	16	
11/15/2016	339	109	317	47	16	
11/16/2016	327	97	298	47	16	
11/17/2016	324	96	289	47	16	
11/18/2016	304	94	272	47	16	
11/19/2016	316	101	283	46	16	

Attachment 2: HH1-9 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
11/20/2016	315	102	295	46	16	
11/21/2016	334	109	303	46	16	
11/22/2016	324	110	311	46	16	
11/23/2016	323	111	316	47	16	
11/24/2016	323	110	322	47	17	
11/25/2016	327	110	313	47	17	
11/26/2016	326	110	326	47	16	
11/27/2016	319	111	308	47	17	
11/28/2016	321	112	314	47	16	
11/29/2016	316	112	292	47	15	
11/30/2016	314	111	289	47	16	
12/1/2016	319	111	298	47	16	
12/2/2016	315	112	299	47	16	
12/3/2016	319	113	289	47	16	
12/4/2016	318	113	288	47	16	
12/5/2016	315	114	283	47	15	
12/6/2016	310	114	281	47	15	
12/7/2016	305	114	275	47	15	
12/8/2016	306	114	276	47	15	
12/9/2016	304	114	259	47	15	
12/10/2016	303	114	253	47	15	
12/11/2016	303	114	269	47	15	
12/12/2016	302	114	277	47	15	
12/13/2016	298	114	264	47	15	
12/14/2016	295	115	271	47	15	
12/15/2016	300	114	277	47	15	
12/16/2016	299	114	274	47	15	
12/17/2016	312	114	279	47	15	
12/18/2016	311	114	254	47	15	
12/19/2016	309	114	269	47	15	
12/20/2016	309	114	273	47	15	
12/21/2016	311	114	260	47	15	
12/22/2016	312	115	281	47	15	
12/23/2016	313	114	279	47	15	
12/24/2016	306	116	278	47	15	
12/25/2016	306	115	268	47	14	
12/26/2016	307	116	240	47	14	
12/27/2016	303	117	253	47	14	
12/28/2016	304	117	259	47	15	
12/29/2016	313	116	272	47	15	
12/30/2016	316	116	291	47	15	
12/31/2016	319	116	295	47	15	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

Attachment 2: HH1-10 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
10/1/2016	360	71	287	49	18	
10/2/2016	353	73	286	49	18	
10/3/2016	347	74	280	49	18	
10/4/2016	339	77	283	47	18	
10/5/2016	334	79	279	51	18	
10/6/2016	338	78	277	52	20	
10/7/2016	327	78	306	54	21	
10/8/2016	344	71	343	53	22	
10/9/2016	319	69	336	53	22	
10/10/2016	307	68	333	53	24	
10/11/2016	313	71	349	53	24	
10/12/2016	361	88	368	53	24	
10/13/2016	359	88	361	54	24	
10/14/2016	358	88	366	54	24	
10/15/2016	349	88	338	54	23	
10/16/2016	341	88	342	54	23	
10/17/2016	333	86	329	54	22	
10/18/2016	331	87	330	54	23	
10/19/2016	329	87	342	55	23	
10/20/2016	336	85	343	55	23	
10/21/2016	325	90	325	55	23	
10/22/2016	324	88	321	55	23	
10/23/2016	321	89	316	55	23	
10/24/2016	329	88	315	55	23	
10/25/2016	325	88	299	55	23	
10/26/2016	322	86	312	55	23	
10/27/2016	390	110	321	55	23	
10/28/2016	387	113	333	55	24	
10/29/2016	381	117	341	54	24	
10/30/2016	370	118	335	55	24	
10/31/2016	355	118	315	54	24	
11/1/2016	358	120	313	55	25	
11/2/2016	374	119	320	55	25	
11/3/2016	359	113	322	55	24	
11/4/2016	362	116	320	55	24	
11/5/2016	351	116	317	55	24	
11/6/2016	348	117	318	55	24	
11/7/2016	346	117	320	55	25	
11/8/2016	340	120	330	54	25	
11/9/2016	338	121	314	55	25	
11/10/2016	352	120	335	55	25	
11/11/2016	335	121	340	54	25	
11/12/2016	229	122	211	48	15	
11/13/2016	214	122	201	48	15	
11/14/2016	207	122	201	48	16	
11/15/2016	231	116	198	48	15	
11/16/2016	217	104	208	48	15	
11/17/2016	214	103	191	48	15	
11/18/2016	215	100	204	48	15	
11/19/2016	219	107	194	48	15	

Attachment 2: HH1-10 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
11/20/2016	211	109	176	47	13	
11/21/2016	215	116	186	48	12	
11/22/2016	188	118	174	48	12	
11/23/2016	186	118	178	48	13	
11/24/2016	204	117	181	48	12	
11/25/2016	203	117	188	48	12	
11/26/2016	201	118	176	48	12	
11/27/2016	199	118	177	48	12	
11/28/2016	200	119	192	51	19	
11/29/2016	258	116	269	51	19	
11/30/2016	255	117	266	51	19	
12/1/2016	255	117	272	51	19	
12/2/2016	253	117	264	51	19	
12/3/2016	252	119	269	51	19	
12/4/2016	252	119	268	51	19	
12/5/2016	244	119	271	50	19	
12/6/2016	259	119	284	51	20	
12/7/2016	258	119	283	51	20	
12/8/2016	260	119	285	51	20	
12/9/2016	258	118	286	51	20	
12/10/2016	258	119	288	51	20	
12/11/2016	258	119	293	51	20	
12/12/2016	234	120	284	51	20	
12/13/2016	248	119	282	51	20	
12/14/2016	264	119	283	51	20	
12/15/2016	258	118	295	51	20	
12/16/2016	275	118	281	51	20	
12/17/2016	271	118	284	50	20	
12/18/2016	269	118	287	50	20	
12/19/2016	268	118	282	50	20	
12/20/2016	268	118	272	50	20	
12/21/2016	266	119	274	50	19	
12/22/2016	257	120	259	51	18	
12/23/2016	265	119	254	51	18	
12/24/2016	253	121	252	51	18	
12/25/2016	254	121	259	51	18	
12/26/2016	249	121	260	51	18	
12/27/2016	250	121	265	51	18	
12/28/2016	252	121	265	51	18	
12/29/2016	249	121	267	51	18	
12/30/2016	255	121	256	51	17	
12/31/2016	256	121	261	51	17	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

Attachment 2: HH1-11 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
10/1/2016	388	95	389	51	23	
10/2/2016	380	95	386	51	23	
10/3/2016	372	96	378	51	23	
10/4/2016	366	97	379	51	23	
10/5/2016	375	103	384	51	23	
10/6/2016	375	104	383	51	23	
10/7/2016	356	101	361	50	23	
10/8/2016	349	103	340	50	22	
10/9/2016	350	102	331	50	21	
10/10/2016	346	102	311	51	21	
10/11/2016	340	103	346	50	21	
10/12/2016	336	101	314	50	21	
10/13/2016	334	101	313	50	22	
10/14/2016	334	101	315	50	20	
10/15/2016	334	102	310	50	20	
10/16/2016	326	101	304	50	20	
10/17/2016	321	101	302	50	21	
10/18/2016	319	101	306	50	22	
10/19/2016	319	101	312	50	22	
10/20/2016	318	101	312	50	22	
10/21/2016	318	103	305	50	24	
10/22/2016	361	121	339	50	24	
10/23/2016	320	122	328	50	24	
10/24/2016	317	123	323	50	25	
10/25/2016	313	123	329	51	25	
10/26/2016	349	120	341	51	25	
10/27/2016	346	119	345	51	25	
10/28/2016	341	121	354	51	25	
10/29/2016	341	122	347	51	25	
10/30/2016	311	124	336	50	25	
10/31/2016	314	122	326	50	25	
11/1/2016	324	122	338	51	25	
11/2/2016	319	122	337	50	25	
11/3/2016	319	122	333	50	25	
11/4/2016	318	122	339	51	25	
11/5/2016	322	122	340	51	25	
11/6/2016	322	122	339	51	25	
11/7/2016	320	122	334	51	25	
11/8/2016	318	123	319	50	26	
11/9/2016	315	120	303	50	21	
11/10/2016	305	123	305	51	24	
11/11/2016	334	120	340	51	25	
11/12/2016	237	124	257	46	16	
11/13/2016	237	123	256	46	16	
11/14/2016	236	124	248	46	17	
11/15/2016	266	118	264	46	18	
11/16/2016	270	107	270	46	18	
11/17/2016	266	105	272	50	18	
11/18/2016	305	101	270	51	18	
11/19/2016	289	109	276	50	18	

Attachment 2: HH1-11 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
11/20/2016	290	110	275	50	18	
11/21/2016	301	118	289	51	18	
11/22/2016	266	119	237	51	14	
11/23/2016	266	120	227	51	14	
11/24/2016	273	119	237	50	14	
11/25/2016	274	119	226	50	14	
11/26/2016	273	119	232	50	14	
11/27/2016	270	120	224	49	14	
11/28/2016	271	121	231	50	20	
11/29/2016	297	119	302	50	21	
11/30/2016	301	119	298	50	21	
12/1/2016	300	119	303	50	21	
12/2/2016	297	119	279	50	21	
12/3/2016	301	121	291	50	21	
12/4/2016	296	121	292	50	21	
12/5/2016	297	121	294	50	21	
12/6/2016	302	121	285	50	21	
12/7/2016	301	121	285	50	21	
12/8/2016	300	121	286	50	21	
12/9/2016	298	121	277	50	21	
12/10/2016	292	121	280	50	20	
12/11/2016	294	121	283	50	20	
12/12/2016	295	121	275	50	20	
12/13/2016	293	121	278	50	21	
12/14/2016	292	121	278	50	21	
12/15/2016	291	121	290	50	21	
12/16/2016	290	121	276	50	21	
12/17/2016	289	121	284	50	21	
12/18/2016	285	121	283	50	21	
12/19/2016	283	122	279	50	21	
12/20/2016	282	122	285	50	21	
12/21/2016	282	122	286	50	21	
12/22/2016	281	123	284	50	21	
12/23/2016	280	122	284	50	21	
12/24/2016	275	124	282	50	21	
12/25/2016	276	124	274	50	20	
12/26/2016	271	122	267	50	20	
12/27/2016	267	122	263	51	20	
12/28/2016	268	122	265	51	20	
12/29/2016	264	122	273	51	20	
12/30/2016	262	122	278	51	20	
12/31/2016	263	122	271	51	20	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

Attachment 2: HH1-12 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
10/1/2016	519	106	497	46	27	
10/2/2016	513	109	478	46	26	
10/3/2016	504	109	469	46	26	
10/4/2016	506	110	472	46	26	
10/5/2016	505	109	470	46	26	
10/6/2016	496	111	470	46	26	
10/7/2016	497	111	455	46	25	
10/8/2016	491	112	422	46	25	
10/9/2016	481	114	408	46	23	
10/10/2016	475	114	408	46	24	
10/11/2016	475	114	416	46	26	
10/12/2016	475	114	452	46	26	
10/13/2016	472	114	449	46	27	
10/14/2016	474	114	475	46	28	
10/15/2016	476	114	471	46	28	
10/16/2016	472	114	463	46	28	
10/17/2016	469	117	462	46	28	
10/18/2016	469	117	460	46	28	
10/19/2016	468	118	448	46	27	
10/20/2016	467	117	448	46	27	
10/21/2016	465	120	442	46	27	
10/22/2016	455	118	441	46	27	
10/23/2016	457	118	435	46	27	
10/24/2016	457	118	435	46	27	
10/25/2016	452	118	426	46	27	
10/26/2016	448	118	438	46	27	
10/27/2016	440	114	437	46	27	
10/28/2016	455	118	456	47	27	
10/29/2016	455	119	442	47	27	
10/30/2016	441	120	434	47	27	
10/31/2016	437	120	424	47	27	
11/1/2016	434	120	419	47	26	
11/2/2016	448	119	430	48	26	
11/3/2016	461	119	431	48	26	
11/4/2016	461	118	435	48	26	
11/5/2016	462	118	431	48	26	
11/6/2016	460	118	430	48	26	
11/7/2016	459	118	426	48	26	
11/8/2016	424	121	409	48	26	
11/9/2016	424	121	406	48	25	
11/10/2016	419	121	417	48	27	
11/11/2016	416	121	437	47	27	
11/12/2016	344	122	371	44	21	
11/13/2016	343	122	372	44	21	
11/14/2016	341	122	369	45	22	
11/15/2016	334	115	355	45	22	
11/16/2016	319	103	346	45	22	
11/17/2016	339	101	347	47	22	
11/18/2016	341	99	353	47	22	
11/19/2016	353	106	356	47	22	

Attachment 2: HH1-12 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
11/20/2016	354	107	356	47	22	
11/21/2016	369	115	375	47	22	
11/22/2016	342	116	320	47	18	
11/23/2016	342	117	320	47	18	
11/24/2016	338	117	337	47	18	
11/25/2016	335	117	340	47	18	
11/26/2016	332	117	336	47	18	
11/27/2016	329	117	336	47	18	
11/28/2016	333	119	346	47	22	
11/29/2016	384	117	378	47	22	
11/30/2016	379	116	359	47	21	
12/1/2016	375	116	349	47	21	
12/2/2016	374	116	351	47	21	
12/3/2016	378	118	352	47	21	
12/4/2016	373	118	335	47	21	
12/5/2016	369	118	340	47	20	
12/6/2016	371	118	349	47	21	
12/7/2016	369	118	335	47	20	
12/8/2016	368	118	336	47	20	
12/9/2016	366	118	337	47	20	
12/10/2016	362	118	325	47	19	
12/11/2016	361	119	315	47	21	
12/12/2016	365	119	343	47	20	
12/13/2016	358	119	336	47	20	
12/14/2016	357	119	335	47	20	
12/15/2016	365	118	348	47	21	
12/16/2016	366	118	350	47	21	
12/17/2016	365	118	339	47	20	
12/18/2016	364	119	342	47	20	
12/19/2016	361	119	337	47	20	
12/20/2016	359	119	327	47	20	
12/21/2016	357	119	329	47	20	
12/22/2016	357	120	330	47	19	
12/23/2016	358	119	331	47	19	
12/24/2016	350	122	329	47	19	
12/25/2016	352	122	337	47	19	
12/26/2016	344	122	332	47	19	
12/27/2016	339	122	319	47	18	
12/28/2016	340	122	320	47	18	
12/29/2016	340	122	322	47	18	
12/30/2016	342	121	329	47	18	
12/31/2016	344	122	329	47	18	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

Attachment 2: HH1-13 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
10/1/2016	424	106	503	43	27	
10/2/2016	431	109	505	43	27	
10/3/2016	423	108	498	43	27	
10/4/2016	429	109	503	44	27	
10/5/2016	430	109	498	44	27	
10/6/2016	435	109	497	45	27	
10/7/2016	432	109	492	45	27	
10/8/2016	417	111	483	45	27	
10/9/2016	402	113	483	44	26	
10/10/2016	400	113	479	44	26	
10/11/2016	398	113	456	44	26	
10/12/2016	416	112	484	44	26	
10/13/2016	417	112	480	44	26	
10/14/2016	425	112	471	43	26	
10/15/2016	406	113	471	43	26	
10/16/2016	405	113	468	43	26	
10/17/2016	407	116	474	43	26	
10/18/2016	407	116	472	43	26	
10/19/2016	406	116	472	43	26	
10/20/2016	405	116	475	43	26	
10/21/2016	429	117	472	43	26	
10/22/2016	420	115	468	43	26	
10/23/2016	414	115	462	43	26	
10/24/2016	418	115	465	43	26	
10/25/2016	414	115	459	45	28	
10/26/2016	436	114	493	45	28	
10/27/2016	443	112	480	45	27	
10/28/2016	462	112	501	45	27	
10/29/2016	452	114	487	45	27	
10/30/2016	458	113	484	45	28	
10/31/2016	455	114	486	45	28	
11/1/2016	452	111	500	44	28	
11/2/2016	487	112	518	45	28	
11/3/2016	471	113	503	45	28	
11/4/2016	464	113	509	44	28	
11/5/2016	463	113	506	44	28	
11/6/2016	464	113	505	44	28	
11/7/2016	462	113	501	44	28	
11/8/2016	411	114	465	42	27	
11/9/2016	410	114	464	44	26	
11/10/2016	442	115	479	45	26	
11/11/2016	469	113	464	45	25	
11/12/2016	465	111	486	44	24	
11/13/2016	463	111	469	44	23	
11/14/2016	456	112	463	44	26	
11/15/2016	460	105	484	44	26	
11/16/2016	435	95	472	44	26	
11/17/2016	432	93	475	45	26	
11/18/2016	405	93	476	45	26	
11/19/2016	435	98	493	45	26	

Attachment 2: HH1-13 Flow Summary
4th Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
11/20/2016	439	98	495	45	26	
11/21/2016	458	106	517	45	26	
11/22/2016	436	108	516	45	26	
11/23/2016	436	108	516	45	26	
11/24/2016	441	107	487	45	25	
11/25/2016	442	108	493	45	25	
11/26/2016	438	108	481	45	25	
11/27/2016	432	108	482	45	25	
11/28/2016	435	109	495	45	25	
11/29/2016	431	108	449	45	25	
11/30/2016	416	109	444	45	25	
12/1/2016	426	109	455	45	25	
12/2/2016	427	109	457	45	25	
12/3/2016	430	111	464	45	25	
12/4/2016	425	111	465	45	25	
12/5/2016	419	111	436	45	24	
12/6/2016	400	113	431	43	25	
12/7/2016	418	111	456	45	26	
12/8/2016	434	110	474	45	26	
12/9/2016	433	110	474	45	26	
12/10/2016	429	111	476	45	26	
12/11/2016	428	111	465	45	25	
12/12/2016	428	111	454	45	26	
12/13/2016	426	111	461	45	26	
12/14/2016	425	111	459	45	26	
12/15/2016	420	111	474	44	26	
12/16/2016	419	111	455	44	26	
12/17/2016	410	112	457	44	26	
12/18/2016	415	112	464	44	26	
12/19/2016	417	111	460	45	25	
12/20/2016	423	111	467	45	25	
12/21/2016	422	112	467	45	25	
12/22/2016	427	113	462	45	25	
12/23/2016	428	111	463	45	25	
12/24/2016	419	114	441	45	25	
12/25/2016	419	113	435	45	24	
12/26/2016	423	114	452	45	24	
12/27/2016	415	114	453	45	24	
12/28/2016	413	114	434	45	24	
12/29/2016	409	114	436	45	23	
12/30/2016	402	114	442	45	23	
12/31/2016	404	115	445	45	23	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

Attachment 3: Groundwater Level Measurement Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
M-101	MU1 Ring	10/5/2016	174.75	
M-101	MU1 Ring	10/19/2016	182.90	
M-101	MU1 Ring	10/25/2016	183.21	
M-101	MU1 Ring	11/2/2016	169.36	
M-101	MU1 Ring	11/15/2016	181.61	
M-101	MU1 Ring	12/14/2016	177.22	
M-101	MU1 Ring	12/28/2016	170.62	
M-102	MU1 Ring	10/5/2016	178.29	
M-102	MU1 Ring	10/19/2016	186.95	
M-102	MU1 Ring	10/25/2016	187.90	
M-102	MU1 Ring	11/2/2016	172.50	
M-102	MU1 Ring	11/15/2016	185.95	
M-102	MU1 Ring	12/14/2016	181.21	
M-102	MU1 Ring	12/28/2016	166.40	
M-103A	MU1 Ring	10/5/2016	171.90	
M-103A	MU1 Ring	10/19/2016	180.63	
M-103A	MU1 Ring	10/25/2016	182.52	
M-103A	MU1 Ring	11/2/2016	165.13	
M-103A	MU1 Ring	11/16/2016	179.70	
M-103A	MU1 Ring	12/14/2016	175.37	
M-103A	MU1 Ring	12/28/2016	166.40	
M-104	MU1 Ring	10/5/2016	181.22	
M-104	MU1 Ring	10/19/2016	200.08	
M-104	MU1 Ring	10/25/2016	199.27	
M-104	MU1 Ring	11/2/2016	187.91	
M-104	MU1 Ring	11/16/2016	198.01	
M-104	MU1 Ring	12/14/2016	178.22	
M-104	MU1 Ring	12/28/2016	183.76	
M-105	MU1 Ring	10/5/2016	178.00	
M-105	MU1 Ring	10/19/2016	198.63	
M-105	MU1 Ring	10/25/2016	200.02	
M-105	MU1 Ring	11/2/2016	189.50	
M-105	MU1 Ring	11/16/2016	201.57	
M-105	MU1 Ring	12/14/2016	191.64	
M-105	MU1 Ring	12/28/2016	184.79	
M-106	MU1 Ring	10/5/2016	170.03	
M-106	MU1 Ring	10/19/2016	190.50	
M-106	MU1 Ring	10/25/2016	191.64	
M-106	MU1 Ring	11/2/2016	181.46	
M-106	MU1 Ring	11/16/2016	192.98	
M-106	MU1 Ring	12/14/2016	187.02	
M-106	MU1 Ring	12/28/2016	187.26	
M-107	MU1 Ring	10/5/2016	181.60	
M-107	MU1 Ring	10/19/2016	190.33	
M-107	MU1 Ring	10/25/2016	195.62	
M-107	MU1 Ring	11/2/2016	188.11	
M-107	MU1 Ring	11/16/2016	192.03	
M-107	MU1 Ring	12/14/2016	193.38	
M-107	MU1 Ring	12/28/2016	186.71	

Attachment 3: Groundwater Level Measurement Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
M-108	MU1 Ring	10/5/2016	181.02	
M-108	MU1 Ring	10/19/2016	189.70	
M-108	MU1 Ring	10/25/2016	195.03	
M-108	MU1 Ring	11/2/2016	187.70	
M-108	MU1 Ring	11/16/2016	190.83	
M-108	MU1 Ring	12/14/2016	192.91	
M-108	MU1 Ring	12/28/2016	180.23	
M-109	MU1 Ring	10/5/2016	177.38	
M-109	MU1 Ring	10/19/2016	182.30	
M-109	MU1 Ring	10/25/2016	189.34	
M-109	MU1 Ring	11/2/2016	184.35	
M-109	MU1 Ring	11/16/2016	189.35	
M-109	MU1 Ring	12/14/2016	187.62	
M-109	MU1 Ring	12/28/2016	181.40	
M-110	MU1 Ring	10/5/2016	181.38	
M-110	MU1 Ring	10/19/2016	175.39	
M-110	MU1 Ring	10/25/2016	189.28	
M-110	MU1 Ring	11/2/2016	188.70	
M-110	MU1 Ring	11/16/2016	183.55	
M-110	MU1 Ring	12/14/2016	190.48	
M-110	MU1 Ring	12/28/2016	183.13	
M-111	MU1 Ring	10/5/2016	171.41	
M-111	MU1 Ring	10/19/2016	160.00	
M-111	MU1 Ring	10/25/2016	185.72	
M-111	MU1 Ring	11/2/2016	178.40	
M-111	MU1 Ring	11/16/2016	170.32	
M-111	MU1 Ring	12/14/2016	180.46	
M-111	MU1 Ring	12/28/2016	172.56	
M-112	MU1 Ring	10/5/2016	181.17	
M-112	MU1 Ring	10/19/2016	169.18	
M-112	MU1 Ring	10/25/2016	185.26	
M-112	MU1 Ring	11/2/2016	187.42	
M-112	MU1 Ring	11/16/2016	179.21	
M-112	MU1 Ring	12/14/2016	190.40	
M-112	MU1 Ring	12/28/2016	182.95	
M-113	MU1 Ring	10/4/2016	191.97	
M-113	MU1 Ring	10/18/2016	179.64	
M-113	MU1 Ring	10/25/2016	195.96	
M-113	MU1 Ring	11/1/2016	197.27	
M-113	MU1 Ring	11/15/2016	188.46	
M-113	MU1 Ring	12/13/2016	194.87	
M-113	MU1 Ring	12/27/2016	194.13	
M-114A	MU1 Ring	10/4/2016	210.60	
M-114A	MU1 Ring	10/18/2016	206.48	
M-114A	MU1 Ring	10/25/2016	206.65	
M-114A	MU1 Ring	11/1/2016	209.35	
M-114A	MU1 Ring	11/15/2016	198.33	
M-114A	MU1 Ring	12/13/2016	202.91	
M-114A	MU1 Ring	12/27/2016	207.80	

Attachment 3: Groundwater Level Measurement Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
M-115A	MU1 Ring	10/4/2016	219.27	
M-115A	MU1 Ring	10/18/2016	216.98	
M-115A	MU1 Ring	10/25/2016	212.06	
M-115A	MU1 Ring	11/1/2016	215.50	
M-115A	MU1 Ring	11/15/2016	194.77	
M-115A	MU1 Ring	12/13/2016	207.24	
M-115A	MU1 Ring	12/27/2016	214.60	
M-116A	MU1 Ring	10/4/2016	209.71	
M-116A	MU1 Ring	10/18/2016	206.63	
M-116A	MU1 Ring	10/25/2016	201.38	
M-116A	MU1 Ring	11/1/2016	205.26	
M-116A	MU1 Ring	11/15/2016	188.33	
M-116A	MU1 Ring	12/13/2016	199.18	
M-116A	MU1 Ring	12/27/2016	206.83	
M-117	MU1 Ring	10/4/2016	218.72	
M-117	MU1 Ring	10/18/2016	213.70	
M-117	MU1 Ring	10/25/2016	208.57	
M-117	MU1 Ring	11/1/2016	211.30	
M-117	MU1 Ring	11/15/2016	194.78	
M-117	MU1 Ring	12/13/2016	206.03	
M-117	MU1 Ring	12/27/2016	212.42	
M-118	MU1 Ring	10/4/2016	212.83	
M-118	MU1 Ring	10/18/2016	208.20	
M-118	MU1 Ring	10/25/2016	200.90	
M-118	MU1 Ring	11/1/2016	206.10	
M-118	MU1 Ring	11/15/2016	195.53	
M-118	MU1 Ring	12/13/2016	198.38	
M-118	MU1 Ring	12/27/2016	208.07	
M-119	MU1 Ring	10/4/2016	223.70	
M-119	MU1 Ring	10/18/2016	217.50	
M-119	MU1 Ring	10/25/2016	207.80	
M-119	MU1 Ring	11/1/2016	215.29	
M-119	MU1 Ring	11/15/2016	203.21	
M-119	MU1 Ring	12/13/2016	201.46	
M-119	MU1 Ring	12/27/2016	208.20	
M-120A	MU1 Ring	10/4/2016	209.47	
M-120A	MU1 Ring	10/18/2016	204.81	
M-120A	MU1 Ring	10/25/2016	196.53	
M-120A	MU1 Ring	11/1/2016	201.62	
M-120A	MU1 Ring	11/15/2016	204.54	
M-120A	MU1 Ring	12/13/2016	187.83	
M-120A	MU1 Ring	12/27/2016	193.68	
M-121	MU1 Ring	10/4/2016	206.12	
M-121	MU1 Ring	10/18/2016	202.70	
M-121	MU1 Ring	10/25/2016	197.98	
M-121	MU1 Ring	11/1/2016	199.37	
M-121	MU1 Ring	11/15/2016	199.87	
M-121	MU1 Ring	12/13/2016	180.79	
M-121	MU1 Ring	12/27/2016	192.87	

Attachment 3: Groundwater Level Measurement Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
M-122	MU1 Ring	10/4/2016	203.62	
M-122	MU1 Ring	10/18/2016	200.98	
M-122	MU1 Ring	10/25/2016	197.71	
M-122	MU1 Ring	11/1/2016	199.18	
M-122	MU1 Ring	11/15/2016	199.50	
M-122	MU1 Ring	12/13/2016	190.00	
M-122	MU1 Ring	12/27/2016	190.52	
M-123	MU1 Ring	10/4/2016	198.10	
M-123	MU1 Ring	10/19/2016	196.55	
M-123	MU1 Ring	10/25/2016	196.00	
M-123	MU1 Ring	11/1/2016	197.15	
M-123	MU1 Ring	11/15/2016	195.70	
M-123	MU1 Ring	12/13/2016	186.53	
M-123	MU1 Ring	12/27/2016	186.22	
M-124	MU1 Ring	10/5/2016	200.18	
M-124	MU1 Ring	10/19/2016	200.61	
M-124	MU1 Ring	10/25/2016	200.57	
M-124	MU1 Ring	11/2/2016	202.38	
M-124	MU1 Ring	11/15/2016	198.02	
M-124	MU1 Ring	12/13/2016	189.35	
M-124	MU1 Ring	12/27/2016	187.78	
M-125	MU1 Ring	10/5/2016	180.13	
M-125	MU1 Ring	10/19/2016	190.93	
M-125	MU1 Ring	10/25/2016	189.80	
M-125	MU1 Ring	11/2/2016	191.16	
M-125	MU1 Ring	11/15/2016	187.39	
M-125	MU1 Ring	12/13/2016	179.32	
M-125	MU1 Ring	12/27/2016	178.80	
M-126	MU1 Ring	10/5/2016	189.26	
M-126	MU1 Ring	10/19/2016	190.80	
M-126	MU1 Ring	10/25/2016	189.20	
M-126	MU1 Ring	11/2/2016	190.72	
M-126	MU1 Ring	11/15/2016	188.04	
M-126	MU1 Ring	12/13/2016	180.80	
M-126	MU1 Ring	12/28/2016	183.97	
M-127	MU1 Ring	10/4/2016	174.38	
M-127	MU1 Ring	10/19/2016	182.70	
M-127	MU1 Ring	10/25/2016	181.77	
M-127	MU1 Ring	11/2/2016	174.89	
M-127	MU1 Ring	11/15/2016	181.22	
M-127	MU1 Ring	12/13/2016	174.27	
M-127	MU1 Ring	12/28/2016	179.86	
M-128	MU1 Ring	10/4/2016	174.40	
M-128	MU1 Ring	10/19/2016	182.51	
M-128	MU1 Ring	10/25/2016	182.10	
M-128	MU1 Ring	11/2/2016	172.03	
M-128	MU1 Ring	11/15/2016	180.10	
M-128	MU1 Ring	12/13/2016	175.00	
M-128	MU1 Ring	12/28/2016	178.30	

Attachment 3: Groundwater Level Measurement Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
MO-101	MU1 Overlying	10/6/2016	162.15	
MO-101	MU1 Overlying	10/19/2016	165.33	
MO-101	MU1 Overlying	11/3/2016	163.10	
MO-101	MU1 Overlying	11/16/2016	164.29	
MO-101	MU1 Overlying	12/14/2016	162.36	
MO-101	MU1 Overlying	12/29/2016	161.25	
MO-102	MU1 Overlying	10/6/2016	166.53	
MO-102	MU1 Overlying	10/19/2016	165.07	
MO-102	MU1 Overlying	11/3/2016	171.22	
MO-102	MU1 Overlying	11/16/2016	164.85	
MO-102	MU1 Overlying	12/14/2016	163.66	
MO-102	MU1 Overlying	12/29/2016	163.16	
MO-103	MU1 Overlying	10/6/2016	162.63	
MO-103	MU1 Overlying	10/19/2016	165.87	
MO-103	MU1 Overlying	11/3/2016	165.50	
MO-103	MU1 Overlying	11/16/2016	166.14	
MO-103	MU1 Overlying	12/14/2016	162.79	
MO-103	MU1 Overlying	12/29/2016	161.84	
MO-104	MU1 Overlying	10/6/2016	178.37	
MO-104	MU1 Overlying	10/19/2016	179.10	
MO-104	MU1 Overlying	11/3/2016	180.20	
MO-104	MU1 Overlying	11/16/2016	181.47	
MO-104	MU1 Overlying	12/14/2016	177.61	
MO-104	MU1 Overlying	12/29/2016	176.03	
MO-105	MU1 Overlying	10/6/2016	173.72	
MO-105	MU1 Overlying	10/19/2016	173.37	
MO-105	MU1 Overlying	11/3/2016	173.02	
MO-105	MU1 Overlying	11/16/2016	173.89	
MO-105	MU1 Overlying	12/14/2016	171.68	
MO-105	MU1 Overlying	12/29/2016	172.05	
MO-106	MU1 Overlying	10/6/2016	170.35	
MO-106	MU1 Overlying	10/19/2016	171.11	
MO-106	MU1 Overlying	11/3/2016	167.87	
MO-106	MU1 Overlying	11/16/2016	166.91	
MO-106	MU1 Overlying	12/15/2016	172.79	
MO-106	MU1 Overlying	12/29/2016	171.41	
MO-107	MU1 Overlying	10/6/2016	166.00	
MO-107	MU1 Overlying	10/19/2016	165.41	
MO-107	MU1 Overlying	11/4/2016	164.48	
MO-107	MU1 Overlying	11/17/2016	165.56	
MO-107	MU1 Overlying	12/15/2016	171.99	
MO-107	MU1 Overlying	12/29/2016	177.78	
MO-108	MU1 Overlying	10/6/2016	166.23	
MO-108	MU1 Overlying	10/13/2016	165.98	
MO-108	MU1 Overlying	10/19/2016	165.03	
MO-108	MU1 Overlying	10/25/2016	163.67	
MO-108	MU1 Overlying	11/1/2016	164.17	
MO-108	MU1 Overlying	11/8/2016	162.84	
MO-108	MU1 Overlying	11/15/2016	163.27	

Attachment 3: Groundwater Level Measurement Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
MO-108	MU1 Overlying	11/21/2016	162.75	
MO-108	MU1 Overlying	11/23/2016	164.30	
MO-108	MU1 Overlying	11/23/2016	167.40	
MO-108	MU1 Overlying	11/29/2016	181.22	
MO-108	MU1 Overlying	12/1/2016	175.27	
MO-108	MU1 Overlying	12/5/2016	180.68	
MO-108	MU1 Overlying	12/12/2016	191.76	
MO-108	MU1 Overlying	12/20/2016	191.40	
MO-108	MU1 Overlying	12/29/2016	188.55	
MO-109	MU1 Overlying	10/6/2016	171.75	
MO-109	MU1 Overlying	10/21/2016	171.39	
MO-109	MU1 Overlying	11/4/2016	173.26	
MO-109	MU1 Overlying	11/17/2016	173.61	
MO-109	MU1 Overlying	12/15/2016	174.13	
MO-109	MU1 Overlying	12/29/2016	173.89	
MO-110	MU1 Overlying	10/6/2016	173.59	
MO-110	MU1 Overlying	10/21/2016	174.21	
MO-110	MU1 Overlying	11/4/2016	173.27	
MO-110	MU1 Overlying	11/17/2016	175.16	
MO-110	MU1 Overlying	12/15/2016	176.66	
MO-110	MU1 Overlying	12/29/2016	176.23	
MO-111	MU1 Overlying	10/7/2016	173.48	
MO-111	MU1 Overlying	10/21/2016	173.79	
MO-111	MU1 Overlying	11/4/2016	172.70	
MO-111	MU1 Overlying	11/17/2016	174.12	
MO-111	MU1 Overlying	12/15/2016	175.69	
MO-111	MU1 Overlying	12/30/2016	174.89	
MO-112	MU1 Overlying	10/7/2016	174.18	
MO-112	MU1 Overlying	10/21/2016	173.79	
MO-112	MU1 Overlying	11/4/2016	173.58	
MO-112	MU1 Overlying	11/17/2016	173.81	
MO-112	MU1 Overlying	12/15/2016	174.97	
MO-112	MU1 Overlying	12/30/2016	175.22	
MO-113	MU1 Overlying	10/7/2016	166.46	
MO-113	MU1 Overlying	10/21/2016	166.21	
MO-113	MU1 Overlying	11/4/2016	167.02	
MO-113	MU1 Overlying	11/17/2016	167.51	
MO-113	MU1 Overlying	12/15/2016	168.39	
MO-113	MU1 Overlying	12/30/2016	170.16	
MO-LC0254	MU1 Overlying	10/7/2016	174.04	
MO-LC0254	MU1 Overlying	10/21/2016	170.03	
MO-LC0254	MU1 Overlying	11/4/2016	171.44	
MO-LC0254	MU1 Overlying	11/17/2016	172.02	
MO-LC0254	MU1 Overlying	12/15/2016	172.89	
MO-LC0254	MU1 Overlying	12/30/2016	170.16	
MU-101	MU1 Underlying	10/6/2016	189.90	
MU-101	MU1 Underlying	10/19/2016	192.29	
MU-101	MU1 Underlying	11/3/2016	191.43	
MU-101	MU1 Underlying	11/16/2016	192.30	

Attachment 3: Groundwater Level Measurement Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
MU-101	MU1 Underlying	12/14/2016	191.22	
MU-101	MU1 Underlying	12/29/2016	191.10	
MU-102	MU1 Underlying	10/7/2016	191.25	
MU-102	MU1 Underlying	10/19/2016	192.65	
MU-102	MU1 Underlying	11/3/2016	192.84	
MU-102	MU1 Underlying	11/16/2016	192.96	
MU-102	MU1 Underlying	12/14/2016	190.46	
MU-102	MU1 Underlying	12/29/2016	191.63	
MU-103	MU1 Underlying	10/6/2016	187.10	
MU-103	MU1 Underlying	10/19/2016	189.21	
MU-103	MU1 Underlying	11/3/2016	188.53	
MU-103	MU1 Underlying	11/16/2016	189.61	
MU-103	MU1 Underlying	12/14/2016	192.41	
MU-103	MU1 Underlying	12/29/2016	193.21	
MU-104B	MU1 Underlying	10/6/2016	194.18	
MU-104B	MU1 Underlying	10/19/2016	195.63	
MU-104B	MU1 Underlying	11/3/2016	195.50	
MU-104B	MU1 Underlying	11/16/2016	195.71	
MU-104B	MU1 Underlying	12/14/2016	196.22	
MU-104B	MU1 Underlying	12/29/2016	195.57	
MU-105	MU1 Underlying	10/6/2016	203.86	
MU-105	MU1 Underlying	10/19/2016	201.20	
MU-105	MU1 Underlying	11/3/2016	206.32	
MU-105	MU1 Underlying	11/16/2016	206.41	
MU-105	MU1 Underlying	12/14/2016	208.00	
MU-105	MU1 Underlying	12/29/2016	207.71	
MU-106	MU1 Underlying	10/6/2016	198.00	
MU-106	MU1 Underlying	10/19/2016	198.26	
MU-106	MU1 Underlying	11/3/2016	199.94	
MU-106	MU1 Underlying	11/16/2016	199.33	
MU-106	MU1 Underlying	12/15/2016	201.78	
MU-106	MU1 Underlying	12/29/2016	208.84	
MU-107	MU1 Underlying	10/6/2016	197.97	
MU-107	MU1 Underlying	10/19/2016	198.62	
MU-107	MU1 Underlying	11/4/2016	198.32	
MU-107	MU1 Underlying	11/17/2016	198.79	
MU-107	MU1 Underlying	12/15/2016	202.31	
MU-107	MU1 Underlying	12/29/2016	205.03	
KPW-2	MU1 Underlying	10/6/2016	199.12	
KPW-2	MU1 Underlying	10/19/2016	199.69	
KPW-2	MU1 Underlying	11/4/2016	199.92	
KPW-2	MU1 Underlying	11/17/2016	200.62	
KPW-2	MU1 Underlying	12/15/2016	200.33	
KPW-2	MU1 Underlying	12/29/2016	201.71	
MU-109	MU1 Underlying	10/6/2016	196.03	
MU-109	MU1 Underlying	10/21/2016	197.91	
MU-109	MU1 Underlying	11/4/2016	198.18	
MU-109	MU1 Underlying	11/17/2016	199.47	
MU-109	MU1 Underlying	12/15/2016	199.22	

Attachment 3: Groundwater Level Measurement Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
MU-109	MU1 Underlying	12/29/2016	201.36	
MU-110	MU1 Underlying	10/6/2016	205.90	
MU-110	MU1 Underlying	10/21/2016	205.61	
MU-110	MU1 Underlying	11/4/2016	205.20	
MU-110	MU1 Underlying	11/17/2016	205.59	
MU-110	MU1 Underlying	12/15/2016	205.02	
MU-110	MU1 Underlying	12/29/2016	206.90	
MU-111	MU1 Underlying	10/7/2016	204.07	
MU-111	MU1 Underlying	10/21/2016	204.71	
MU-111	MU1 Underlying	11/4/2016	204.58	
MU-111	MU1 Underlying	11/17/2016	204.96	
MU-111	MU1 Underlying	12/15/2016	204.22	
MU-111	MU1 Underlying	12/30/2016	204.91	
MU-112	MU1 Underlying	10/7/2016	205.12	
MU-112	MU1 Underlying	10/21/2016	204.71	
MU-112	MU1 Underlying	11/4/2016	205.20	
MU-112	MU1 Underlying	11/17/2016	205.49	
MU-112	MU1 Underlying	12/15/2016	204.73	
MU-112	MU1 Underlying	12/30/2016	206.78	
MU-113	MU1 Underlying	10/7/2016	189.90	
MU-113	MU1 Underlying	10/21/2016	190.91	
MU-113	MU1 Underlying	11/4/2016	191.55	
MU-113	MU1 Underlying	11/17/2016	192.36	
MU-113	MU1 Underlying	12/15/2016	192.30	
MU-113	MU1 Underlying	12/30/2016	193.02	
TW1-1	MU1 Trend	10/7/2016	182.59	
TW1-1	MU1 Trend	10/21/2016	182.19	
TW1-1	MU1 Trend	11/4/2016	182.32	
TW1-1	MU1 Trend	11/17/2016	182.10	
TW1-1	MU1 Trend	12/15/2016	182.74	
TW1-1	MU1 Trend	12/30/2016	183.04	
OW1-1	MU1 Observation	10/7/2016	195.00	
OW1-1	MU1 Observation	10/21/2016	195.16	
OW1-1	MU1 Observation	11/4/2016	195.32	
OW1-1	MU1 Observation	11/17/2016	195.29	
OW1-1	MU1 Observation	12/15/2016	195.41	
OW1-1	MU1 Observation	12/30/2016	195.29	
LC15M	Regional FG	11/9/2016	165.52	
LC16M	Regional HJ	11/9/2016	148.39	
LC17M	Regional KM	11/9/2016	189.83	
LC18M	Regional FG	11/9/2016	170.63	
LC19M	Regional HJ	11/9/2016	212.97	
LC20M	Regional KM	11/9/2016	206.90	
LC21M	Regional FG	11/9/2016	199.40	
LC22MA	Regional HJ	11/9/2016	210.68	
LC23M	Regional KM	11/9/2016	222.30	
LC24M	Regional KM	11/9/2016	194.45	
LC25MA	Regional FG	11/9/2016	172.94	
LC26M	Regional HJ	11/9/2016	163.69	

Attachment 3: Groundwater Level Measurement Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
LC27M	Regional KM	11/9/2016	192.22	
LC28M	Regional KM	11/9/2016	155.21	
LC29M	Regional DE	11/9/2016	158.37	Insufficient water for sampling
LC30M	Regional DE	11/9/2016	200.33	
LC31M	Regional DE	11/9/2016	144.82	
MB-01	Regional DE	11/9/2016	234.57	
MB-02	Regional FG	11/9/2016	243.44	
MB-03B	Regional HJ	11/9/2016	268.30	
MB-04	Regional KM	11/9/2016	277.97	
MB-05	Regional FG	11/9/2016	145.03	
MB-06	Regional HJ	11/9/2016	143.36	
MB-07	Regional DE	11/9/2016	140.26	
MB-08	Regional FG	11/9/2016	172.68	
MB-09	Regional HJ	11/9/2016	184.23	
MB-10	Regional DE	11/9/2016	171.22	Insufficient water for sampling

ft-bmp: feet below measuring point

MU1: Mine Unit 1

Attachment 4: MU1 Water Quality Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Collection Date	Days Apart	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance @ 25°C (µS/cm)			Comments
				Assay	UCL [†]	% Diff	Assay	UCL [†]	% Diff	Assay	UCL [†]	% Diff	
M-101	MU1 Ring	10/5/2016	---	124	186.2	-33	6.0	20.5	-71	700	1012.4	-31	
M-101	MU1 Ring	10/19/2016	14	115	186.2	-38	5.8	20.5	-72	656	1012.4	-35	
M-101	MU1 Ring	11/2/2016	14	117	186.2	-37	6.9	20.5	-66	675	1012.4	-33	
M-101	MU1 Ring	11/15/2016	13	113	186.2	-39	6.3	20.5	-69	671	1012.4	-34	
M-101	MU1 Ring	12/14/2016	29	117	186.2	-37	6.0	20.5	-71	704	1012.4	-30	
M-101	MU1 Ring	12/28/2016	14	123	186.2	-34	6.0	20.5	-71	702	1012.4	-31	
M-102	MU1 Ring	10/5/2016	---	143	186.2	-23	6.0	20.5	-71	828	1012.4	-18	
M-102	MU1 Ring	10/19/2016	14	140	186.2	-25	5.9	20.5	-71	808	1012.4	-20	
M-102	MU1 Ring	11/2/2016	14	137	186.2	-26	5.7	20.5	-72	821	1012.4	-19	
M-102	MU1 Ring	11/15/2016	13	135	186.2	-27	5.5	20.5	-73	817	1012.4	-19	
M-102	MU1 Ring	12/14/2016	29	144	186.2	-23	6.0	20.5	-71	859	1012.4	-15	
M-102	MU1 Ring	12/28/2016	14	145	186.2	-22	6.0	20.5	-71	859	1012.4	-15	
M-103A	MU1 Ring	10/5/2016	---	142	186.2	-24	7.0	20.5	-66	814	1012.4	-20	
M-103A	MU1 Ring	10/19/2016	14	132	186.2	-29	5.9	20.5	-71	792	1012.4	-22	
M-103A	MU1 Ring	11/2/2016	14	137	186.2	-27	5.0	20.5	-76	807	1012.4	-20	
M-103A	MU1 Ring	11/16/2016	14	130	186.2	-30	5.7	20.5	-72	796	1012.4	-21	
M-103A	MU1 Ring	12/14/2016	28	141	186.2	-24	7.0	20.5	-66	841	1012.4	-17	
M-103A	MU1 Ring	12/28/2016	14	140	186.2	-25	7.0	20.5	-66	836	1012.4	-17	
M-104	MU1 Ring	10/5/2016	---	160	186.2	-14	7.0	20.5	-66	832	1012.4	-18	
M-104	MU1 Ring	10/19/2016	14	140	186.2	-25	6.1	20.5	-70	811	1012.4	-20	
M-104	MU1 Ring	11/2/2016	14	140	186.2	-25	5.8	20.5	-72	823	1012.4	-19	
M-104	MU1 Ring	11/15/2016	13	141	186.2	-24	6.1	20.5	-70	819	1012.4	-19	
M-104	MU1 Ring	12/14/2016	29	132	186.2	-29	6.0	20.5	-71	727	1012.4	-28	
M-104	MU1 Ring	12/28/2016	14	130	186.2	-30	6.0	20.5	-71	703	1012.4	-31	
M-105	MU1 Ring	10/5/2016	---	143	186.2	-23	7.0	20.5	-66	798	1012.4	-21	
M-105	MU1 Ring	10/19/2016	14	123	186.2	-34	5.0	20.5	-76	642	1012.4	-37	
M-105	MU1 Ring	11/2/2016	14	122	186.2	-35	9.8	20.5	-52	658	1012.4	-35	
M-105	MU1 Ring	11/16/2016	14	113	186.2	-39	5.3	20.5	-74	560	1012.4	-45	
M-105	MU1 Ring	12/14/2016	28	118	186.2	-37	6.0	20.5	-71	581	1012.4	-43	
M-105	MU1 Ring	12/28/2016	14	126	186.2	-32	6.0	20.5	-71	665	1012.4	-34	
M-106	MU1 Ring	10/5/2016	---	126	186.2	-32	6.0	20.5	-71	646	1012.4	-36	
M-106	MU1 Ring	10/19/2016	14	113	186.2	-39	6.5	20.5	-68	602	1012.4	-41	
M-106	MU1 Ring	11/2/2016	14	119	186.2	-36	4.9	20.5	-76	626	1012.4	-38	
M-106	MU1 Ring	11/16/2016	14	114	186.2	-39	5.9	20.5	-71	614	1012.4	-39	
M-106	MU1 Ring	12/14/2016	28	120	186.2	-36	6.0	20.5	-71	612	1012.4	-40	
M-106	MU1 Ring	12/28/2016	14	122	186.2	-34	6.0	20.5	-71	626	1012.4	-38	
M-107	MU1 Ring	10/5/2016	---	125	186.2	-33	6.0	20.5	-71	682	1012.4	-33	
M-107	MU1 Ring	10/19/2016	14	124	186.2	-33	6.1	20.5	-70	670	1012.4	-34	
M-107	MU1 Ring	11/2/2016	14	120	186.2	-35	5.9	20.5	-71	676	1012.4	-33	
M-107	MU1 Ring	11/16/2016	14	120	186.2	-36	7.3	20.5	-65	680	1012.4	-33	
M-107	MU1 Ring	12/14/2016	28	125	186.2	-33	6.0	20.5	-71	701	1012.4	-31	
M-107	MU1 Ring	12/28/2016	14	126	186.2	-32	6.0	20.5	-71	704	1012.4	-30	
M-108	MU1 Ring	10/5/2016	---	113	186.2	-39	6.0	20.5	-71	555	1012.4	-45	
M-108	MU1 Ring	10/19/2016	14	106	186.2	-43	5.3	20.5	-74	548	1012.4	-46	
M-108	MU1 Ring	11/2/2016	14	106	186.2	-43	5.9	20.5	-71	550	1012.4	-46	
M-108	MU1 Ring	11/16/2016	14	107	186.2	-43	5.1	20.5	-75	567	1012.4	-44	
M-108	MU1 Ring	12/14/2016	28	126	186.2	-32	6.0	20.5	-71	581	1012.4	-43	
M-108	MU1 Ring	12/28/2016	14	116	186.2	-38	6.0	20.5	-71	588	1012.4	-42	
M-109	MU1 Ring	10/5/2016	---	109	186.2	-41	6.0	20.5	-71	554	1012.4	-45	
M-109	MU1 Ring	10/19/2016	14	104	186.2	-44	5.0	20.5	-75	548	1012.4	-46	
M-109	MU1 Ring	11/2/2016	14	107	186.2	-43	5.5	20.5	-73	546	1012.4	-46	
M-109	MU1 Ring	11/16/2016	14	100	186.2	-46	6.0	20.5	-71	554	1012.4	-45	
M-109	MU1 Ring	12/14/2016	28	108	186.2	-42	6.0	20.5	-71	566	1012.4	-44	
M-109	MU1 Ring	12/28/2016	14	108	186.2	-42	6.0	20.5	-71	567	1012.4	-44	
M-110	MU1 Ring	10/5/2016	---	118	186.2	-37	7.0	20.5	-66	585	1012.4	-42	
M-110	MU1 Ring	10/19/2016	14	116	186.2	-38	6.9	20.5	-66	571	1012.4	-44	
M-110	MU1 Ring	11/2/2016	14	111	186.2	-40	6.2	20.5	-70	577	1012.4	-43	
M-110	MU1 Ring	11/16/2016	14	113	186.2	-39	7.7	20.5	-63	584	1012.4	-42	
M-110	MU1 Ring	12/14/2016	28	119	186.2	-36	7.0	20.5	-66	608	1012.4	-40	
M-110	MU1 Ring	12/28/2016	14	118	186.2	-37	7.0	20.5	-66	610	1012.4	-40	
M-111	MU1 Ring	10/5/2016	---	118	186.2	-37	6.0	20.5	-71	558	1012.4	-45	
M-111	MU1 Ring	10/19/2016	14	109	186.2	-41	5.8	20.5	-72	554	1012.4	-45	
M-111	MU1 Ring	11/2/2016	14	113	186.2	-39	5.0	20.5	-76	561	1012.4	-45	

Attachment 4: MU1 Water Quality Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Collection Date	Days Apart	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance @ 25°C (µS/cm)			Comments
				Assay	UCL [†]	% Diff	Assay	UCL [†]	% Diff	Assay	UCL [†]	% Diff	
M-111	MU1 Ring	11/16/2016	14	111	186.2	-40	5.4	20.5	-74	557	1012.4	-45	
M-111	MU1 Ring	12/14/2016	28	118	186.2	-37	6.0	20.5	-71	575	1012.4	-43	
M-111	MU1 Ring	12/28/2016	14	118	186.2	-37	6.0	20.5	-71	576	1012.4	-43	
M-112	MU1 Ring	10/5/2016	---	116	186.2	-38	6.0	20.5	-71	557	1012.4	-45	
M-112	MU1 Ring	10/18/2016	13	114	186.2	-39	5.2	20.5	-74	546	1012.4	-46	
M-112	MU1 Ring	11/2/2016	15	112	186.2	-40	5.3	20.5	-74	545	1012.4	-46	
M-112	MU1 Ring	11/16/2016	14	107	186.2	-43	5.2	20.5	-75	545	1012.4	-46	
M-112	MU1 Ring	12/14/2016	28	115	186.2	-38	6.0	20.5	-71	553	1012.4	-45	
M-112	MU1 Ring	12/28/2016	14	117	186.2	-37	6.0	20.5	-71	560	1012.4	-45	
M-113	MU1 Ring	10/4/2016	---	108	186.2	-42	5.0	20.5	-76	514	1012.4	-49	
M-113	MU1 Ring	10/18/2016	14	104	186.2	-44	5.3	20.5	-74	516	1012.4	-49	
M-113	MU1 Ring	11/1/2016	14	103	186.2	-45	5.6	20.5	-73	505	1012.4	-50	
M-113	MU1 Ring	11/15/2016	14	98	186.2	-47	4.9	20.5	-76	511	1012.4	-50	
M-113	MU1 Ring	12/13/2016	28	107	186.2	-43	6.0	20.5	-71	525	1012.4	-48	
M-113	MU1 Ring	12/27/2016	14	119	186.2	-36	6.0	20.5	-71	525	1012.4	-48	
M-114A	MU1 Ring	10/4/2016	---	121	186.2	-35	5.0	20.5	-76	519	1012.4	-49	
M-114A	MU1 Ring	10/18/2016	14	103	186.2	-45	4.9	20.5	-76	525	1012.4	-48	
M-114A	MU1 Ring	11/1/2016	14	106	186.2	-43	5.0	20.5	-75	513	1012.4	-49	
M-114A	MU1 Ring	11/15/2016	14	102	186.2	-45	8.8	20.5	-57	525	1012.4	-48	
M-114A	MU1 Ring	12/13/2016	28	110	186.2	-41	6.0	20.5	-71	533	1012.4	-47	
M-114A	MU1 Ring	12/27/2016	14	110	186.2	-41	6.0	20.5	-71	533	1012.4	-47	
M-115A	MU1 Ring	10/4/2016	---	108	186.2	-42	5.0	20.5	-76	489	1012.4	-52	
M-115A	MU1 Ring	10/18/2016	14	104	186.2	-44	4.9	20.5	-76	489	1012.4	-52	
M-115A	MU1 Ring	11/1/2016	14	100	186.2	-46	4.3	20.5	-79	485	1012.4	-52	
M-115A	MU1 Ring	11/15/2016	14	103	186.2	-45	4.5	20.5	-78	488	1012.4	-52	
M-115A	MU1 Ring	12/13/2016	28	108	186.2	-42	6.0	20.5	-71	501	1012.4	-51	
M-115A	MU1 Ring	12/27/2016	14	107	186.2	-43	6.0	20.5	-71	500	1012.4	-51	
M-116A	MU1 Ring	10/4/2016	---	108	186.2	-42	5.0	20.5	-76	495	1012.4	-51	
M-116A	MU1 Ring	10/18/2016	14	106	186.2	-43	5.1	20.5	-75	492	1012.4	-51	
M-116A	MU1 Ring	11/1/2016	14	102	186.2	-45	5.4	20.5	-74	498	1012.4	-51	
M-116A	MU1 Ring	11/15/2016	14	103	186.2	-45	5.4	20.5	-74	493	1012.4	-51	
M-116A	MU1 Ring	12/13/2016	28	109	186.2	-41	6.0	20.5	-71	505	1012.4	-50	
M-116A	MU1 Ring	12/27/2016	14	109	186.2	-41	6.0	20.5	-71	507	1012.4	-50	
M-117	MU1 Ring	10/4/2016	---	107	186.2	-43	5.0	20.5	-76	497	1012.4	-51	
M-117	MU1 Ring	10/18/2016	14	119	186.2	-36	4.8	20.5	-77	498	1012.4	-51	
M-117	MU1 Ring	11/1/2016	14	104	186.2	-44	5.5	20.5	-73	495	1012.4	-51	
M-117	MU1 Ring	11/15/2016	14	98	186.2	-47	5.1	20.5	-75	497	1012.4	-51	
M-117	MU1 Ring	12/13/2016	28	107	186.2	-43	5.0	20.5	-76	510	1012.4	-50	
M-117	MU1 Ring	12/27/2016	14	107	186.2	-43	5.0	20.5	-76	512	1012.4	-49	
M-118	MU1 Ring	10/4/2016	---	104	186.2	-44	5.0	20.5	-76	503	1012.4	-50	
M-118	MU1 Ring	10/18/2016	14	97	186.2	-48	4.8	20.5	-77	502	1012.4	-50	
M-118	MU1 Ring	11/1/2016	14	98	186.2	-48	4.7	20.5	-77	498	1012.4	-51	
M-118	MU1 Ring	11/15/2016	14	114	186.2	-39	4.9	20.5	-76	494	1012.4	-51	
M-118	MU1 Ring	12/13/2016	28	102	186.2	-45	5.0	20.5	-76	513	1012.4	-49	
M-118	MU1 Ring	12/27/2016	14	113	186.2	-39	5.0	20.5	-76	513	1012.4	-49	
M-119	MU1 Ring	10/4/2016	---	118	186.2	-37	6.0	20.5	-71	472	1012.4	-53	
M-119	MU1 Ring	10/18/2016	14	111	186.2	-41	5.6	20.5	-73	474	1012.4	-53	
M-119	MU1 Ring	11/1/2016	14	109	186.2	-41	5.1	20.5	-75	470	1012.4	-54	
M-119	MU1 Ring	11/15/2016	14	112	186.2	-40	4.9	20.5	-76	471	1012.4	-53	
M-119	MU1 Ring	12/13/2016	28	118	186.2	-37	5.0	20.5	-76	486	1012.4	-52	
M-119	MU1 Ring	12/27/2016	14	119	186.2	-36	5.0	20.5	-76	484	1012.4	-52	
M-120A	MU1 Ring	10/4/2016	---	114	186.2	-39	6.0	20.5	-71	472	1012.4	-53	
M-120A	MU1 Ring	10/18/2016	14	111	186.2	-41	5.6	20.5	-73	475	1012.4	-53	
M-120A	MU1 Ring	11/1/2016	14	110	186.2	-41	5.1	20.5	-75	466	1012.4	-54	
M-120A	MU1 Ring	11/15/2016	14	104	186.2	-44	4.9	20.5	-76	470	1012.4	-54	
M-120A	MU1 Ring	12/13/2016	28	114	186.2	-39	5.0	20.5	-76	480	1012.4	-53	
M-120A	MU1 Ring	12/27/2016	14	114	186.2	-39	5.0	20.5	-76	485	1012.4	-52	
M-121	MU1 Ring	10/4/2016	---	117	186.2	-37	5.0	20.5	-76	510	1012.4	-50	
M-121	MU1 Ring	10/18/2016	14	109	186.2	-41	5.1	20.5	-75	514	1012.4	-49	
M-121	MU1 Ring	11/1/2016	14	110	186.2	-41	5.6	20.5	-72	508	1012.4	-50	
M-121	MU1 Ring	11/15/2016	14	108	186.2	-42	5.1	20.5	-75	511	1012.4	-50	
M-121	MU1 Ring	12/13/2016	28	116	186.2	-38	6.0	20.5	-71	529	1012.4	-48	
M-121	MU1 Ring	12/27/2016	14	116	186.2	-38	6.0	20.5	-71	521	1012.4	-49	

Attachment 4: MU1 Water Quality Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Collection Date	Days Apart	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance @ 25°C (µS/cm)			Comments
				Assay	UCL [†]	% Diff	Assay	UCL [†]	% Diff	Assay	UCL [†]	% Diff	
M-122	MU1 Ring	10/4/2016	---	117	186.2	-37	5.0	20.5	-76	502	1012.4	-50	
M-122	MU1 Ring	10/18/2016	14	113	186.2	-40	4.8	20.5	-77	506	1012.4	-50	
M-122	MU1 Ring	11/1/2016	14	109	186.2	-41	5.5	20.5	-73	500	1012.4	-51	
M-122	MU1 Ring	11/15/2016	14	111	186.2	-40	5.2	20.5	-74	507	1012.4	-50	
M-122	MU1 Ring	12/13/2016	28	128	186.2	-31	6.0	20.5	-71	516	1012.4	-49	
M-122	MU1 Ring	12/27/2016	14	117	186.2	-37	6.0	20.5	-71	515	1012.4	-49	
M-123	MU1 Ring	10/4/2016	---	121	186.2	-35	5.0	20.5	-76	500	1012.4	-51	
M-123	MU1 Ring	10/19/2016	15	116	186.2	-38	5.3	20.5	-74	493	1012.4	-51	
M-123	MU1 Ring	11/1/2016	13	118	186.2	-37	4.7	20.5	-77	492	1012.4	-51	
M-123	MU1 Ring	11/15/2016	14	110	186.2	-41	4.8	20.5	-76	505	1012.4	-50	
M-123	MU1 Ring	12/13/2016	28	119	186.2	-36	6.0	20.5	-71	507	1012.4	-50	
M-123	MU1 Ring	12/27/2016	14	120	186.2	-36	6.0	20.5	-71	507	1012.4	-50	
M-124	MU1 Ring	10/5/2016	---	115	186.2	-38	5.0	20.5	-76	467	1012.4	-54	
M-124	MU1 Ring	10/19/2016	14	109	186.2	-42	5.5	20.5	-73	469	1012.4	-54	
M-124	MU1 Ring	11/2/2016	14	107	186.2	-43	5.4	20.5	-74	532	1012.4	-47	
M-124	MU1 Ring	11/15/2016	13	111	186.2	-41	4.6	20.5	-78	471	1012.4	-53	
M-124	MU1 Ring	12/13/2016	28	116	186.2	-38	5.0	20.5	-76	468	1012.4	-54	
M-124	MU1 Ring	12/27/2016	14	115	186.2	-38	5.0	20.5	-76	476	1012.4	-53	
M-125	MU1 Ring	10/5/2016	---	114	186.2	-39	6.0	20.5	-71	543	1012.4	-46	
M-125	MU1 Ring	10/19/2016	14	110	186.2	-41	5.9	20.5	-71	544	1012.4	-46	
M-125	MU1 Ring	11/2/2016	14	127	186.2	-32	14.5	20.5	-29	612	1012.4	-40	
M-125	MU1 Ring	11/15/2016	13	106	186.2	-43	5.3	20.5	-74	549	1012.4	-46	
M-125	MU1 Ring	12/13/2016	28	113	186.2	-39	7.0	20.5	-66	561	1012.4	-45	
M-125	MU1 Ring	12/27/2016	14	126	186.2	-32	7.0	20.5	-66	559	1012.4	-45	
M-126	MU1 Ring	10/5/2016	---	114	186.2	-39	6.0	20.5	-71	542	1012.4	-46	
M-126	MU1 Ring	10/19/2016	14	110	186.2	-41	5.5	20.5	-73	546	1012.4	-46	
M-126	MU1 Ring	11/2/2016	14	108	186.2	-42	4.8	20.5	-77	463	1012.4	-54	
M-126	MU1 Ring	11/15/2016	13	105	186.2	-44	6.1	20.5	-70	548	1012.4	-46	
M-126	MU1 Ring	12/13/2016	28	116	186.2	-38	7.0	20.5	-66	553	1012.4	-45	
M-126	MU1 Ring	12/28/2016	15	118	186.2	-37	7.0	20.5	-66	555	1012.4	-45	
M-127	MU1 Ring	10/5/2016	---	117	186.2	-37	6.0	20.5	-71	552	1012.4	-45	
M-127	MU1 Ring	10/19/2016	14	109	186.2	-41	5.5	20.5	-73	555	1012.4	-45	
M-127	MU1 Ring	11/2/2016	14	116	186.2	-38	5.4	20.5	-74	549	1012.4	-46	
M-127	MU1 Ring	11/15/2016	13	112	186.2	-40	6.3	20.5	-69	558	1012.4	-45	
M-127	MU1 Ring	12/13/2016	28	117	186.2	-37	7.0	20.5	-66	566	1012.4	-44	
M-127	MU1 Ring	12/28/2016	15	117	186.2	-37	7.0	20.5	-66	567	1012.4	-44	
M-128	MU1 Ring	10/5/2016	---	117	186.2	-37	6.0	20.5	-71	567	1012.4	-44	
M-128	MU1 Ring	10/19/2016	14	115	186.2	-38	6.2	20.5	-70	568	1012.4	-44	
M-128	MU1 Ring	11/2/2016	14	109	186.2	-41	5.2	20.5	-75	565	1012.4	-44	
M-128	MU1 Ring	11/15/2016	13	110	186.2	-41	5.6	20.5	-73	576	1012.4	-43	
M-128	MU1 Ring	12/13/2016	28	118	186.2	-37	6.0	20.5	-71	584	1012.4	-42	
M-128	MU1 Ring	12/28/2016	15	117	186.2	-37	6.0	20.5	-71	581	1012.4	-43	
MO-101	MU1 Overlying	10/6/2016	---	114	182.1	-37	8.0	21.4	-63	648	921.7	-30	
MO-101	MU1 Overlying	10/20/2016	14	111	182.1	-39	6.5	21.4	-70	626	921.7	-32	
MO-101	MU1 Overlying	11/3/2016	14	122	182.1	-33	7.0	21.4	-67	644	921.7	-30	
MO-101	MU1 Overlying	11/16/2016	13	108	182.1	-41	6.7	21.4	-69	632	921.7	-31	
MO-101	MU1 Overlying	12/14/2016	28	114	182.1	-37	8.0	21.4	-63	668	921.7	-28	
MO-101	MU1 Overlying	12/29/2016	15	113	182.1	-38	8.0	21.4	-63	665	921.7	-28	
MO-102	MU1 Overlying	10/6/2016	---	107	182.1	-41	7.0	21.4	-67	587	921.7	-36	
MO-102	MU1 Overlying	10/20/2016	14	101	182.1	-45	6.3	21.4	-70	575	921.7	-38	
MO-102	MU1 Overlying	11/3/2016	14	103	182.1	-43	6.8	21.4	-68	588	921.7	-36	
MO-102	MU1 Overlying	11/16/2016	13	101	182.1	-45	6.7	21.4	-69	587	921.7	-36	
MO-102	MU1 Overlying	12/14/2016	28	107	182.1	-41	7.0	21.4	-67	602	921.7	-35	
MO-102	MU1 Overlying	12/29/2016	15	119	182.1	-35	7.0	21.4	-67	602	921.7	-35	
MO-103	MU1 Overlying	10/6/2016	---	119	182.1	-35	9.0	21.4	-58	698	921.7	-24	
MO-103	MU1 Overlying	10/20/2016	14	122	182.1	-33	9.2	21.4	-57	690	921.7	-25	
MO-103	MU1 Overlying	11/3/2016	14	112	182.1	-39	8.3	21.4	-61	704	921.7	-24	
MO-103	MU1 Overlying	11/16/2016	13	109	182.1	-40	9.6	21.4	-55	704	921.7	-24	
MO-103	MU1 Overlying	12/14/2016	28	118	182.1	-35	10.0	21.4	-53	718	921.7	-22	
MO-103	MU1 Overlying	12/29/2016	15	119	182.1	-35	9.0	21.4	-58	719	921.7	-22	
MO-104	MU1 Overlying	10/6/2016	---	121	182.1	-34	9.0	21.4	-58	602	921.7	-35	
MO-104	MU1 Overlying	10/20/2016	14	114	182.1	-37	8.5	21.4	-60	599	921.7	-35	
MO-104	MU1 Overlying	11/3/2016	14	116	182.1	-36	7.8	21.4	-64	597	921.7	-35	

Attachment 4: MU1 Water Quality Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Collection Date	Days Apart	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance @ 25°C (µS/cm)			Comments
				Assay	UCL [†]	% Diff	Assay	UCL [†]	% Diff	Assay	UCL [†]	% Diff	
MO-104	MU1 Overlying	11/16/2016	13	116	182.1	-36	8.3	21.4	-61	601	921.7	-35	
MO-104	MU1 Overlying	12/14/2016	28	121	182.1	-34	9.0	21.4	-58	613	921.7	-33	
MO-104	MU1 Overlying	12/29/2016	15	133	182.1	-27	9.0	21.4	-58	612	921.7	-34	
MO-105	MU1 Overlying	10/6/2016	---	109	182.1	-40	6.0	21.4	-72	475	921.7	-48	
MO-105	MU1 Overlying	10/20/2016	14	102	182.1	-44	4.7	21.4	-78	471	921.7	-49	
MO-105	MU1 Overlying	11/3/2016	14	104	182.1	-43	5.3	21.4	-75	477	921.7	-48	
MO-105	MU1 Overlying	11/16/2016	13	101	182.1	-45	4.6	21.4	-78	482	921.7	-48	
MO-105	MU1 Overlying	12/14/2016	28	109	182.1	-40	6.0	21.4	-72	489	921.7	-47	
MO-105	MU1 Overlying	12/29/2016	15	109	182.1	-40	6.0	21.4	-72	491	921.7	-47	
MO-106	MU1 Overlying	10/6/2016	---	107	182.1	-41	6.0	21.4	-72	468	921.7	-49	
MO-106	MU1 Overlying	10/20/2016	14	102	182.1	-44	6.3	21.4	-70	459	921.7	-50	
MO-106	MU1 Overlying	11/3/2016	14	100	182.1	-45	6.3	21.4	-70	468	921.7	-49	
MO-106	MU1 Overlying	11/16/2016	13	98	182.1	-46	5.5	21.4	-74	469	921.7	-49	
MO-106	MU1 Overlying	12/15/2016	29	107	182.1	-41	6.0	21.4	-72	480	921.7	-48	
MO-106	MU1 Overlying	12/29/2016	14	106	182.1	-42	6.0	21.4	-72	479	921.7	-48	
MO-107	MU1 Overlying	10/6/2016	---	107	182.1	-41	6.0	21.4	-72	464	921.7	-50	
MO-107	MU1 Overlying	10/20/2016	14	101	182.1	-45	5.6	21.4	-74	455	921.7	-51	
MO-107	MU1 Overlying	11/4/2016	15	100	182.1	-45	5.4	21.4	-75	457	921.7	-50	
MO-107	MU1 Overlying	11/17/2016	13	100	182.1	-45	6.0	21.4	-72	467	921.7	-49	
MO-107	MU1 Overlying	12/15/2016	28	107	182.1	-41	6.0	21.4	-72	476	921.7	-48	
MO-107	MU1 Overlying	12/29/2016	14	107	182.1	-41	6.0	21.4	-72	475	921.7	-48	
MO-108	MU1 Overlying	10/6/2016	---	134	182.1	-26	18.1	21.4	-15	604	921.7	-34	
MO-108	MU1 Overlying	10/13/2016	7	139	182.1	-24	20.0	21.4	-6	627	921.7	-32	
MO-108	MU1 Overlying	10/19/2016	6	144	182.1	-21	21.0	21.4	-2	649	921.7	-30	
MO-108	MU1 Overlying	10/25/2016	6	143	182.1	-21	21.5	21.4	1	676	921.7	-27	
MO-108	MU1 Overlying	11/1/2016	7	146	182.1	-20	22.4	21.4	5	667	921.7	-28	
MO-108	MU1 Overlying	11/8/2016	7	154	182.1	-15	22.4	21.4	5	703	921.7	-24	
MO-108	MU1 Overlying	11/15/2016	7	154	182.1	-15	24.1	21.4	13	700	921.7	-24	
MO-108	MU1 Overlying	11/22/2016	7	144	182.1	-21	22.9	21.4	7	664	921.7	-28	
MO-108	MU1 Overlying	11/29/2016	7	99	182.1	-46	8.9	21.4	-58	494	921.7	-46	
MO-108	MU1 Overlying	12/1/2016	2	98	182.1	-46	8.9	21.4	-59	473	921.7	-49	
MO-108	MU1 Overlying	12/5/2016	4	146	182.1	-20	26.0	21.4	22	687	921.7	-25	
MO-108	MU1 Overlying	12/12/2016	7	120	182.1	-34	18.0	21.4	-16	559	921.7	-39	
MO-108	MU1 Overlying	12/20/2016	8	103	182.1	-43	13.0	21.4	-39	506	921.7	-45	
MO-108	MU1 Overlying	12/29/2016	9	110	182.1	-40	10.0	21.4	-53	539	921.7	-42	
MO-109	MU1 Overlying	10/6/2016	---	115	182.1	-37	8.0	21.4	-63	513	921.7	-44	
MO-109	MU1 Overlying	10/21/2016	15	107	182.1	-41	6.8	21.4	-68	504	921.7	-45	
MO-109	MU1 Overlying	11/4/2016	14	110	182.1	-40	8.0	21.4	-63	507	921.7	-45	
MO-109	MU1 Overlying	11/17/2016	13	114	182.1	-37	7.6	21.4	-64	525	921.7	-43	
MO-109	MU1 Overlying	12/15/2016	28	114	182.1	-37	8.0	21.4	-63	524	921.7	-43	
MO-109	MU1 Overlying	12/29/2016	14	114	182.1	-37	8.0	21.4	-63	516	921.7	-44	
MO-110	MU1 Overlying	10/6/2016	---	102	182.1	-44	6.0	21.4	-72	430	921.7	-53	
MO-110	MU1 Overlying	10/21/2016	15	96	182.1	-47	4.7	21.4	-78	426	921.7	-54	
MO-110	MU1 Overlying	11/4/2016	14	99	182.1	-46	5.3	21.4	-75	433	921.7	-53	
MO-110	MU1 Overlying	11/17/2016	13	95	182.1	-48	4.6	21.4	-79	433	921.7	-53	
MO-110	MU1 Overlying	12/15/2016	28	113	182.1	-38	6.0	21.4	-72	440	921.7	-52	
MO-110	MU1 Overlying	12/29/2016	14	100	182.1	-45	6.0	21.4	-72	441	921.7	-52	
MO-111	MU1 Overlying	10/7/2016	---	104	182.1	-43	5.0	21.4	-77	430	921.7	-53	
MO-111	MU1 Overlying	10/21/2016	14	100	182.1	-45	6.3	21.4	-71	422	921.7	-54	
MO-111	MU1 Overlying	11/4/2016	14	98	182.1	-46	4.7	21.4	-78	432	921.7	-53	
MO-111	MU1 Overlying	11/17/2016	13	96	182.1	-47	5.3	21.4	-75	430	921.7	-53	
MO-111	MU1 Overlying	12/15/2016	28	102	182.1	-44	6.0	21.4	-72	436	921.7	-53	
MO-111	MU1 Overlying	12/30/2016	15	103	182.1	-43	6.0	21.4	-72	439	921.7	-52	
MO-112	MU1 Overlying	10/7/2016	---	112	182.1	-38	6.0	21.4	-72	422	921.7	-54	
MO-112	MU1 Overlying	10/21/2016	14	105	182.1	-42	6.3	21.4	-70	414	921.7	-55	
MO-112	MU1 Overlying	11/4/2016	14	105	182.1	-42	6.3	21.4	-71	420	921.7	-54	
MO-112	MU1 Overlying	11/17/2016	13	120	182.1	-34	7.2	21.4	-66	423	921.7	-54	
MO-112	MU1 Overlying	12/15/2016	28	112	182.1	-38	7.0	21.4	-67	435	921.7	-53	
MO-112	MU1 Overlying	12/30/2016	15	112	182.1	-38	7.0	21.4	-67	432	921.7	-53	
MO-113	MU1 Overlying	10/7/2016	---	108	206.0	-48	6.0	21.3	-72	448	658.9	-32	
MO-113	MU1 Overlying	10/21/2016	14	100	206.0	-52	4.8	21.3	-77	444	658.9	-33	
MO-113	MU1 Overlying	11/4/2016	14	106	206.0	-49	6.6	21.3	-69	446	658.9	-32	
MO-113	MU1 Overlying	11/17/2016	13	101	206.0	-51	5.8	21.3	-73	451	658.9	-32	

Attachment 4: MU1 Water Quality Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Collection Date	Days Apart	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance @ 25°C (µS/cm)			Comments
				Assay	UCL [†]	% Diff	Assay	UCL [†]	% Diff	Assay	UCL [†]	% Diff	
MO-113	MU1 Overlying	12/15/2016	28	106	206.0	-49	6.0	21.3	-72	456	658.9	-31	
MO-113	MU1 Overlying	12/30/2016	15	119	206.0	-42	6.0	21.3	-72	462	658.9	-30	
MU-101	MU1 Underlying	10/6/2016	---	115	206.0	-44	5.0	21.3	-76	543	658.9	-18	
MU-101	MU1 Underlying	10/20/2016	14	112	206.0	-46	5.8	21.3	-73	543	658.9	-18	
MU-101	MU1 Underlying	11/3/2016	14	110	206.0	-47	5.9	21.3	-72	544	658.9	-17	
MU-101	MU1 Underlying	11/16/2016	13	110	206.0	-46	5.4	21.3	-75	540	658.9	-18	
MU-101	MU1 Underlying	12/14/2016	28	115	206.0	-44	6.0	21.3	-72	557	658.9	-15	
MU-101	MU1 Underlying	12/29/2016	15	115	206.0	-44	5.0	21.3	-76	559	658.9	-15	
MU-102	MU1 Underlying	10/6/2016	---	110	206.0	-47	5.0	21.3	-76	426	658.9	-35	
MU-102	MU1 Underlying	10/20/2016	14	104	206.0	-50	5.5	21.3	-74	423	658.9	-36	
MU-102	MU1 Underlying	11/3/2016	14	106	206.0	-49	4.7	21.3	-78	426	658.9	-35	
MU-102	MU1 Underlying	11/16/2016	13	101	206.0	-51	4.6	21.3	-79	430	658.9	-35	
MU-102	MU1 Underlying	12/14/2016	28	106	206.0	-49	5.0	21.3	-76	438	658.9	-34	
MU-102	MU1 Underlying	12/29/2016	15	109	206.0	-47	5.0	21.3	-76	439	658.9	-33	
MU-103	MU1 Underlying	10/6/2016	---	107	206.0	-48	5.0	21.3	-76	425	658.9	-36	
MU-103	MU1 Underlying	10/20/2016	14	99	206.0	-52	5.1	21.3	-76	417	658.9	-37	
MU-103	MU1 Underlying	11/3/2016	14	100	206.0	-51	4.0	21.3	-81	421	658.9	-36	
MU-103	MU1 Underlying	11/16/2016	13	98	206.0	-52	4.4	21.3	-79	420	658.9	-36	
MU-103	MU1 Underlying	12/14/2016	28	107	206.0	-48	5.0	21.3	-76	433	658.9	-34	
MU-103	MU1 Underlying	12/29/2016	15	106	206.0	-49	5.0	21.3	-76	432	658.9	-34	
MU-104B	MU1 Underlying	10/6/2016	---	103	206.0	-50	5.0	21.3	-76	432	658.9	-34	
MU-104B	MU1 Underlying	10/20/2016	14	98	206.0	-52	4.7	21.3	-78	428	658.9	-35	
MU-104B	MU1 Underlying	11/3/2016	14	98	206.0	-53	4.2	21.3	-80	432	658.9	-34	
MU-104B	MU1 Underlying	11/16/2016	13	97	206.0	-53	4.7	21.3	-78	432	658.9	-34	
MU-104B	MU1 Underlying	12/14/2016	28	104	206.0	-50	5.0	21.3	-76	444	658.9	-33	
MU-104B	MU1 Underlying	12/29/2016	15	116	206.0	-44	5.0	21.3	-76	442	658.9	-33	
MU-105	MU1 Underlying	10/6/2016	---	107	206.0	-48	5.0	21.3	-76	437	658.9	-34	
MU-105	MU1 Underlying	10/20/2016	14	106	206.0	-48	5.3	21.3	-75	440	658.9	-33	
MU-105	MU1 Underlying	11/3/2016	14	106	206.0	-49	5.8	21.3	-73	450	658.9	-32	
MU-105	MU1 Underlying	11/16/2016	13	103	206.0	-50	4.9	21.3	-77	442	658.9	-33	
MU-105	MU1 Underlying	12/14/2016	28	107	206.0	-48	6.0	21.3	-72	452	658.9	-31	
MU-105	MU1 Underlying	12/29/2016	15	107	206.0	-48	5.0	21.3	-76	449	658.9	-32	
MU-106	MU1 Underlying	10/6/2016	---	107	206.0	-48	6.0	21.3	-72	459	658.9	-30	
MU-106	MU1 Underlying	10/20/2016	14	102	206.0	-51	6.0	21.3	-72	461	658.9	-30	
MU-106	MU1 Underlying	11/3/2016	14	103	206.0	-50	5.9	21.3	-72	467	658.9	-29	
MU-106	MU1 Underlying	11/16/2016	13	100	206.0	-52	5.8	21.3	-73	466	658.9	-29	
MU-106	MU1 Underlying	12/15/2016	29	106	206.0	-49	6.0	21.3	-72	464	658.9	-30	
MU-106	MU1 Underlying	12/29/2016	14	106	206.0	-49	6.0	21.3	-72	457	658.9	-31	
MU-107	MU1 Underlying	10/6/2016	---	120	206.0	-42	5.0	21.3	-76	457	658.9	-31	
MU-107	MU1 Underlying	10/20/2016	14	100	206.0	-52	4.7	21.3	-78	464	658.9	-30	
MU-107	MU1 Underlying	11/4/2016	15	100	206.0	-51	6.2	21.3	-71	469	658.9	-29	
MU-107	MU1 Underlying	11/17/2016	13	99	206.0	-52	5.2	21.3	-75	473	658.9	-28	
MU-107	MU1 Underlying	12/15/2016	28	106	206.0	-49	5.0	21.3	-76	482	658.9	-27	
MU-107	MU1 Underlying	12/29/2016	14	107	206.0	-48	6.0	21.3	-72	482	658.9	-27	
KPW-2	MU1 Underlying	10/6/2016	---	109	206.0	-47	6.0	21.3	-72	504	658.9	-24	
KPW-2	MU1 Underlying	10/20/2016	14	108	206.0	-47	6.0	21.3	-72	496	658.9	-25	
KPW-2	MU1 Underlying	11/4/2016	15	108	206.0	-48	6.9	21.3	-67	505	658.9	-23	
KPW-2	MU1 Underlying	11/17/2016	13	102	206.0	-50	5.8	21.3	-73	495	658.9	-25	
KPW-2	MU1 Underlying	12/15/2016	28	110	206.0	-47	7.0	21.3	-67	498	658.9	-24	
KPW-2	MU1 Underlying	12/29/2016	14	110	206.0	-47	7.0	21.3	-67	506	658.9	-23	
MU-109	MU1 Underlying	10/6/2016	---	125	206.0	-39	10.0	21.3	-53	533	658.9	-19	
MU-109	MU1 Underlying	10/21/2016	15	125	206.0	-39	13.0	21.3	-39	566	658.9	-14	
MU-109	MU1 Underlying	11/4/2016	14	124	206.0	-40	9.6	21.3	-55	520	658.9	-21	
MU-109	MU1 Underlying	11/17/2016	13	125	206.0	-39	10.7	21.3	-50	563	658.9	-15	
MU-109	MU1 Underlying	12/15/2016	28	126	206.0	-39	12.0	21.3	-44	553	658.9	-16	
MU-109	MU1 Underlying	12/29/2016	14	138	206.0	-33	11.0	21.3	-48	551	658.9	-16	
MU-110	MU1 Underlying	10/6/2016	---	99	206.0	-52	6.0	21.3	-72	460	658.9	-30	
MU-110	MU1 Underlying	10/21/2016	15	95	206.0	-54	6.1	21.3	-71	461	658.9	-30	
MU-110	MU1 Underlying	11/4/2016	14	95	206.0	-54	6.0	21.3	-72	468	658.9	-29	
MU-110	MU1 Underlying	11/17/2016	13	91	206.0	-56	6.3	21.3	-70	465	658.9	-29	
MU-110	MU1 Underlying	12/15/2016	28	97	206.0	-53	7.0	21.3	-67	480	658.9	-27	
MU-110	MU1 Underlying	12/29/2016	14	99	206.0	-52	6.0	21.3	-72	472	658.9	-28	
MU-111	MU1 Underlying	10/7/2016	---	101	206.0	-51	5.0	21.3	-76	500	658.9	-24	

Attachment 4: MU1 Water Quality Data
4th Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Collection Date	Days Apart	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance @ 25°C (µS/cm)			Comments
				Assay	UCL [†]	% Diff	Assay	UCL [†]	% Diff	Assay	UCL [†]	% Diff	
MU-111	MU1 Underlying	10/21/2016	14	106	206.0	-49	6.0	21.3	-72	504	658.9	-24	
MU-111	MU1 Underlying	11/4/2016	14	97	206.0	-53	5.0	21.3	-77	508	658.9	-23	
MU-111	MU1 Underlying	11/17/2016	13	94	206.0	-54	5.4	21.3	-74	449	658.9	-32	
MU-111	MU1 Underlying	12/15/2016	28	99	206.0	-52	5.0	21.3	-76	514	658.9	-22	
MU-111	MU1 Underlying	12/30/2016	15	101	206.0	-51	5.0	21.3	-76	518	658.9	-21	
MU-112	MU1 Underlying	10/7/2016	---	102	206.0	-50	5.0	21.3	-76	450	658.9	-32	
MU-112	MU1 Underlying	10/21/2016	14	97	206.0	-53	4.9	21.3	-77	445	658.9	-32	
MU-112	MU1 Underlying	11/4/2016	14	98	206.0	-53	5.3	21.3	-75	449	658.9	-32	
MU-112	MU1 Underlying	11/17/2016	13	95	206.0	-54	5.0	21.3	-76	452	658.9	-31	
MU-112	MU1 Underlying	12/15/2016	28	113	206.0	-45	5.0	21.3	-76	453	658.9	-31	
MU-112	MU1 Underlying	12/30/2016	15	100	206.0	-51	5.0	21.3	-76	456	658.9	-31	
MU-113	MU1 Underlying	10/7/2016	---	99	206.0	-52	5.0	21.3	-76	476	658.9	-28	
MU-113	MU1 Underlying	10/21/2016	14	95	206.0	-54	4.7	21.3	-78	474	658.9	-28	
MU-113	MU1 Underlying	11/4/2016	14	94	206.0	-54	4.4	21.3	-79	476	658.9	-28	
MU-113	MU1 Underlying	11/17/2016	13	93	206.0	-55	5.1	21.3	-76	473	658.9	-28	
MU-113	MU1 Underlying	12/15/2016	28	96	206.0	-53	5.0	21.3	-76	484	658.9	-27	
MU-113	MU1 Underlying	12/30/2016	15	97	206.0	-53	5.0	21.3	-76	487	658.9	-26	
LC29M	Regional DE	10/6/2016	---	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Insufficient water
MB-10	Regional DE	10/6/2016	---	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Insufficient water

UCL : Upper Control Limit

[†] : UCL determined by well group (see Permit to Mine, Mine Unit 1 Report, Table MU1 4-12)

Italics : Indicates warning when result is > UCL but < 120% of UCL

Bold Italics : Indicates one value > 120% of UCL; or 2 or 3 values > UCL