



January 30, 2018

Mr. Mark Rogaczewski
District III Supervisor
Wyoming Department of Environmental Quality - Land Quality Division
2100 West 5th Street
Sheridan, WY 82801

Attn: Document Control Desk
Director
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555

**RE: Strata Energy Inc. Ross ISR Project
Quarterly Report required under WDEQ-LQD Permit to Mine No. 802 and USNRC Materials
License SUA-1601, Docket No. 40-9091
Fourth Quarter 2017**

Dear Mr. Rogaczewski and NRC Director

In accordance with Wyoming Department of Environmental Quality - Land Quality Division (WDEQ-LQD) Non-Coal Rules and Regulations Chapter 11 and Permit to Mine No. 802 and SUA-1601 License Condition 11.1, quarterly reporting is required. A comparison of quarterly reporting requirements between Permit to Mine No. 802 and NRC License SUA-1601 has identified similar reporting requirements. Strata has therefore combined the WDEQ-LQD and NRC quarterly reports. The report format most closely follows the WDEQ-LQD Chapter 11, Section 15 requirement list.

If you have any questions regarding the provided information, please contact me at (307) 467-9375 or by email at rpound@stratawyo.com.

Sincerely,
STRATA ENERGY INC.

Royal Pond
Manager HSE/RSO

Attachments: Fourth Quarter 2017 Report – 1 copy to NRC, 2 copies to WDEQ-LQD

NM5520

**Fourth Quarter 2017 Report
Ross ISR Project
WDEQ-LQD Permit to Mine No. 802 and
USNRC Materials License SUA-1601**

1 Introduction

The Strata Energy Inc. (Strata) Ross ISR Project located in Crook County is permitted under Wyoming Department of Environmental Quality - Land Quality Division (WDEQ-LQD) Permit to Mine No. 802 and licensed by the US Nuclear Regulatory Commission (USNRC) under Materials License SUA-1601. This report includes details of the required activities for the period of October 1 through December 31, 2017. The following highlights activities that occurred during the reporting period:

- Production continues in Mine Unit 1 (MU1) header houses 1 through 4 and Mine Unit 2 (MU2) header houses 5 through 9.
- Construction of MU2 surface facilities and utilities for header house 10 continued through the quarter.

2 Excursion Parameters, Corrective Actions, Well Status

Monitor well sampling is performed during operations to detect and correct conditions that could potentially lead to an excursion. Monitor well sampling and analysis is performed according to the LQD Mine Plan Section 5.13.2.3 and the SUA-1601 License Condition 11.5. The monitor wells in wellfields in production are sampled twice a month, at least 10 days apart, for water levels and the excursion parameters of chloride, conductivity, and total alkalinity for overlying monitor (SM) and perimeter monitor (PM) wells and for sulfate, conductivity, and total alkalinity for the underlying monitor (DM) wells. In addition, the most down-gradient surficial aquifer well in MU1 (MU1-SA03) and MU2 (MU2-SA01) are sampled quarterly for the excursion parameters of chloride, conductivity and total alkalinity.

Monitor well sampling in MU1 and MU2 continued during the period in all perimeter, overlying, underlying and surficial aquifer monitor wells. Tabular results for each well are provided in Appendix A.

2.1.1 Excursion Status

There were no excursions during the quarter.

3 Well Installation

No wells were installed during the fourth quarter.

4 Mechanical Integrity Testing

Fifteen (15) MU1 wells located in Section 18, T53N, R67W passed mechanical integrity test (MIT) during the fourth quarter. MIT results are included in Appendix B.

Twenty-three (23) MU2 wells located in Section 7, T53N, R67W, 6 MU2 wells located in Section 18, T53N, R67W, 6 MU2 wells located in Section 12, T53N, R68W, and 8 MU2 wells located in Section 13, T53N, R68W passed MIT during the fourth quarter. MIT results are included in Appendix B.

5 Well Repair and Plugging Activities

No wells were plugged and abandoned during the fourth quarter.

6 Water Quality of Injected Fluids

A typical lixiviant solution is provided in Table MP.4-2 of the Mine Plan with representative concentration ranges that could be found in the lixiviant. If changes occur to the ranges, Strata committed to updating the table in the annual report. Additionally, WDEQ-LQD Noncoal Rules and Regulations Chapter 11, Section 14(a)(ii)(A) requires that the nature of the injection fluids be monitored at least monthly to yield representative data on the characteristics of the fluid and Section 15(b)(i) requires that it is reported in the Quarterly Reports.

Table 1 depicts the injection fluid composition for the period based on grab samples collected each month.

Table 1. Injection Fluid Composition

Parameter	Permit Value Range	October 2017	November 2017	December 2017
Sodium (mg/L)	<400 - 6,000	1,790	1,330	1,150
Calcium (mg/L)	20 - 500	71	57	51
Magnesium (mg/L)	3 - 100	23	19	17
Potassium (mg/L)	<15 - 300	21	13	14
Carbonate (mg/L)	<0.5 - 2,500	<5	<5	<5
Bicarbonate (mg/L)	<400 - 5,000	2,500	2,570	2,680
Chloride (mg/L)	<100 - 5,000	30	35	40
Sulfate (mg/L)	<400 - 5,000	916	920	899
U3O8 (mg/L)	<1 - 700	1.07	1.78	0.41
V2O5 (mg/L)	<1 - 400	1.09	0.83	0.99
TDS (mg/L)	<1,000 - 12,000	3,630	3,730	3,820
Ra-226 (pCi/L)	<300 - 2,000	204	177	192
pH (s.u.)	<6 - 8	6.8	7.7	6.7

7 Injection Pressure and Flowrate or Volume

According to WDEQ-LQD Noncoal Rules and Regulations Chapter 11, Section 14(a)(ii)(B), the injection pressure and either flow rate or volume is to be monitored at least weekly. Chapter 11, Section 14(a)(ii)(C) allows monitoring to be performed by manifold. Strata monitors injection pressure and flow rates by header house. At this time, operations are occurring in MU1, header houses 1 through 4 and MU2, header houses 5 through 9.

Appendix C provides a tabulation of the daily injection pressures. The Strata system continuously records injection pressure via electronic instrumentation at the header houses. Per the NRC Source Material License SUA-1601, License Condition 11.1(B), the readings are kept on site and are available for inspection upon request. The maximum permitted injection pressure for the Ross Project is 140 psi.

Flow rates are also continuously recorded via electronic instrumentation at the header houses. The daily average injection and recovery flow rates for each header house is provided in Appendix D.

Appendix E provides a tabulation of the recovery, injection, and bleed flow volumes for the quarter for MU1 and MU2, respectively. Note that there is a variance between injection and recovery flow due to two phase flow in the flow meters. Gas introduced upstream of the injection flow meters decreases the accuracy of the flow meter. Overall, the design accuracy of the flow meters is about 0.5%. The percent net bleed shown in Tables 5 and 6 are accurate. Per Section 2.3 of the Mine Plan and Section 3.1.4 of the NRC Technical Report, the estimated average production bleed is 1.25% with an estimated range of 0.5% to 2.0%.

CERTIFICATION

This certification is required by WDEQ-LQD Non-Coal Rules and Regulations Chapter 11. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations.



Michael L. Griffin
Vice President of Permitting, Regulatory, and Environmental Compliance
Strata Energy Inc.

Appendix A
Excursion Monitoring Results

DM Monitor Wells

<div> <div>Mine Unit 1</div> <div> Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells </div> <div>Quarterly Report 4th Quarter 2017</div> </div>				
WELL ID: MU1-DM01				
Water Quality Parameters	Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	819	3955	865	
<u>Date</u>				
04-Oct-17	89	2960	362	3986.10
17-Oct-17	104	3070	370	3932.20
02-Nov-17	104	3050	371	3988.80
13-Nov-17	103	3030	370	3983.00
05-Dec-17	116	2960	368	3990.00
18-Dec-17	109	3030	359	3981.40

<div> <div>Mine Unit 1</div> <div> Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells </div> <div>Quarterly Report 4th Quarter 2017</div> </div>				
WELL ID: MU1-DM02				
Water Quality Parameters	Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	819	3955	865	
<u>Date</u>				
04-Oct-17	353	3070	437	3864.66
17-Oct-17	326	3090	439	3770.86
02-Nov-17	339	3130	437	3845.06
13-Nov-17	363	3080	438	3824.36
05-Dec-17	396	2970	433	3894.86
18-Dec-17	386	3100	427	3869.86

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-DM03A				
Water Quality Parameters	Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	1088	4260	865	
<u>Date</u>				
04-Oct-17	341	3010	391	3927.42
17-Oct-17	361	3100	399	3834.92
02-Nov-17	317	3050	406	3903.12
13-Nov-17	340	3010	402	3919.22
05-Dec-17	396	2990	401	3937.52
18-Dec-17	388	3070	393	3879.42

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-DM04				
Water Quality Parameters	Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	819	3955	865	
<u>Date</u>				
04-Oct-17	49	2820	379	3983.68
17-Oct-17	57	2900	389	3944.08
02-Nov-17	57	2910	393	3984.58
13-Nov-17	57	2860	386	3973.08
05-Dec-17	67	2840	386	3986.98
18-Dec-17	69	2890	378	3972.88

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-DM05				
Water Quality Parameters		Specific Conductance	Total Alkalinity	Water Elevation
Units	Sulfate mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	819	3955	865	
Date				
04-Oct-17	414	3050	376	3865.53
17-Oct-17	490	3200	389	3763.93
02-Nov-17	384	3060	401	3857.13
13-Nov-17	420	3080	394	3846.13
05-Dec-17	472	3030	394	3891.13
18-Dec-17	527	3140	383	3842.93

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017	
WELL ID: MU1-DM06					
Water Quality Parameters		Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units		mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits		819	3955	865	
<u>Date</u>					
04-Oct-17		6	2990	367	3985.57
17-Oct-17		7	3060	371	3934.17
02-Nov-17		5	3040	380	3983.37
13-Nov-17		5	3040	370	3973.77
05-Dec-17		5	2960	370	3984.17
18-Dec-17		5	3060	366	3974.87

Mine Unit 1		Strata Energy Inc.		Quarterly Report	
		Ross ISR Project		4th Quarter 2017	
WELL ID: MU1-DM07		Perimeter, Shallow, and			
		Deep Monitor Wells			
Water Quality		Specific		Water	
Parameters	Sulfate	Conductance	Total Alkalinity	Elevation	
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet	
Upper Control	819	3955	865		
Limits					
Date					
04-Oct-17	28	2990	387	3953.08	
17-Oct-17	30	3050	386	3885.68	
02-Nov-17	30	3070	393	3954.48	
13-Nov-17	32	3040	383	3931.18	
05-Dec-17	28	2990	385	4010.58	
18-Dec-17	28	3070	378	3931.98	

Mine Unit 1		Strata Energy Inc.		Quarterly Report	
		Ross ISR Project		4th Quarter 2017	
WELL ID: MU1-DM08		Perimeter, Shallow, and			
		Deep Monitor Wells			
Water Quality		Specific		Water	
Parameters	Sulfate	Conductance	Total Alkalinity	Elevation	
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet	
Upper Control	819	3955	865		
Limits					
Date					
04-Oct-17	9	3080	370	3998.22	
17-Oct-17	10	3150	369	3985.52	
02-Nov-17	10	3160	369	3999.72	
13-Nov-17	13	3130	369	3993.62	
05-Dec-17	9	3060	374	3989.92	
18-Dec-17	9	3140	369	3998.32	

Mine Unit 1	Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells			Quarterly Report 4th Quarter 2017
WELL ID: MU1-DM09				
Water Quality Parameters	Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	819	3955	865	
<u>Date</u>				
04-Oct-17	48	2550	423	3774.64
17-Oct-17	50	2590	421	3732.24
02-Nov-17	47	2560	419	3805.34
13-Nov-17	55	2560	420	3793.24
05-Dec-17	65	2510	419	3843.54
18-Dec-17	57	2590	414	3800.44

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-DM10				
Water Quality Parameters		Specific Conductance	Total Alkalinity	Water Elevation
Units	Sulfate mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	819	3955	865	
<u>Date</u>				
04-Oct-17	126	3000	390	3999.11
17-Oct-17	137	3090	394	3979.61
02-Nov-17	108	3060	406	3997.21
13-Nov-17	184	3040	398	3995.21
05-Dec-17	143	2990	399	3997.51
18-Dec-17	143	3090	383	3992.91

Mine Unit 1	Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells			Quarterly Report 4th Quarter 2017
	WELL ID: MU1-DM11			
Water Quality Parameters	Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	819	3955	865	
<u>Date</u>				
04-Oct-17	5	2440	438	3989.19
17-Oct-17	5	2510	447	3932.59
02-Nov-17	5	2500	451	3987.79
13-Nov-17	5	2470	444	3976.79
05-Dec-17	5	2420	442	4003.29
18-Dec-17	5	2500	432	3994.49

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-DM12				
Water Quality Parameters		Specific Conductance	Total Alkalinity	Water Elevation
Units	Sulfate mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	1258	5353	865	
<u>Date</u>				
04-Oct-17	500	3120	397	3803.56
17-Oct-17	531	3210	397	3724.06
02-Nov-17	475	3200	403	3777.66
13-Nov-17	529	3190	396	3764.16
05-Dec-17	526	3100	405	3785.06
18-Dec-17	558	3210	390	3770.86

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017	
WELL ID: MU1-DM13					
Water Quality Parameters		Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units		mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control		819	3955	865	
Limits					
Date					
04-Oct-17		104	2770	456	3899.87
17-Oct-17		147	2840	473	3803.27
02-Nov-17		108	2800	479	3898.87
13-Nov-17		125	2780	471	3863.07
05-Dec-17		168	2710	480	3918.47
18-Dec-17		141	2820	474	3859.87

SM Monitor Wells

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SM01				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	2892	897	
<u>Date</u>				
09-Oct-17	6	1365	505	4083.70
23-Oct-17	6	1367	506	4085.44
06-Nov-17	6	1367	504	4084.05
16-Nov-17	5	1384	505	4082.79
07-Dec-17	5	1361	503	4078.16
20-Dec-17	6	1370	507	4080.11

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SM02				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	2892	897	
<u>Date</u>				
09-Oct-17	5	1804	597	4082.72
23-Oct-17	5	1821	595	4084.76
06-Nov-17	6	1810	593	4083.21
16-Nov-17	5	1829	596	4081.87
07-Dec-17	5	1810	592	4076.98
20-Dec-17	5	1814	597	4079.16

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SM03				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	2892	897	
<u>Date</u>				
09-Oct-17	5	1868	606	4084.40
24-Oct-17	4	1878	599	4085.86
06-Nov-17	5	1869	601	4084.69
16-Nov-17	4	1869	594	4083.75
07-Dec-17	5	1862	599	4080.16
20-Dec-17	5	1877	602	4081.26

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SM04				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	2892	897	
<u>Date</u>				
09-Oct-17	5	1813	620	4086.59
24-Oct-17	4	1827	612	4087.55
06-Nov-17	4	1819	613	4086.78
16-Nov-17	5	1838	613	4085.97
07-Dec-17	5	1815	610	4081.37
20-Dec-17	5	1837	614	4083.32

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SM05				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	2892	897	
<u>Date</u>				
09-Oct-17	4	1788	580	4095.18
24-Oct-17	5	1751	565	4095.22
06-Nov-17	5	1752	570	4094.96
16-Nov-17	5	1751	564	4094.76
07-Dec-17	5	1766	569	4091.03
20-Dec-17	5	1775	574	4093.30

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SM06				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	2892	897	
<u>Date</u>				
09-Oct-17	6	1962	607	4086.74
24-Oct-17	6	1974	605	4088.06
06-Nov-17	7	1973	606	4087.09
16-Nov-17	6	1964	605	4086.13
07-Dec-17	6	1958	604	4083.88
20-Dec-17	6	1979	608	4083.75

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SM07				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	2892	897	
<u>Date</u>				
09-Oct-17	5	1963	644	4092.36
24-Oct-17	5	1954	642	4092.89
06-Nov-17	5	1963	641	4092.47
16-Nov-17	5	1942	633	4091.73
07-Dec-17	6	1926	635	4089.73
20-Dec-17	5	1924	634	4089.69

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SM08				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	2892	897	
<u>Date</u>				
09-Oct-17	5	1545	569	4092.30
24-Oct-17	4	1562	565	4091.93
06-Nov-17	4	1534	565	4091.59
16-Nov-17	4	1560	568	4091.84
07-Dec-17	5	1506	553	4091.02
20-Dec-17	4	1532	564	4090.91

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SM09				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	2892	897	
<u>Date</u>				
09-Oct-17	5	2070	655	4090.84
24-Oct-17	6	2080	648	4091.19
06-Nov-17	5	2050	653	4090.74
16-Nov-17	5	2090	651	4090.23
07-Dec-17	6	2060	651	4088.69
20-Dec-17	5	2050	656	4088.73

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SM10				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	2892	897	
<u>Date</u>				
09-Oct-17	7	1580	535	4086.20
23-Oct-17	7	1566	533	4087.95
06-Nov-17	7	1572	530	4086.66
16-Nov-17	7	1562	536	4085.74
07-Dec-17	6	1568	530	4081.16
20-Dec-17	7	1578	532	4083.05

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SM11				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	2892	897	
<u>Date</u>				
09-Oct-17	7	1508	540	4084.37
24-Oct-17	7	1513	536	4086.07
06-Nov-17	7	1507	536	4084.95
16-Nov-17	7	1526	535	4083.49
07-Dec-17	8	1497	532	4080.77
20-Dec-17	7	1517	536	4080.86

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SM12				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	2892	897	
<u>Date</u>				
09-Oct-17	5	1806	601	4094.94
23-Oct-17	6	1803	604	4095.05
06-Nov-17	6	1814	600	4095.08
16-Nov-17	5	1831	601	4094.99
07-Dec-17	5	1804	599	4092.29
20-Dec-17	5	1817	600	4094.16

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SM13				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	2892	897	
<u>Date</u>				
09-Oct-17	4	1394	521	4083.83
23-Oct-17	5	1387	521	4085.65
06-Nov-17	4	1393	523	4084.19
16-Nov-17	5	1404	522	4082.98
07-Dec-17	5	1391	522	4079.31
20-Dec-17	4	1401	525	4080.11

PM Monitor Wells

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM01				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
10-Oct-17	7.3	2250	566	4051.44
25-Oct-17	8.2	2260	568	4056.00
06-Nov-17	7.8	2220	565	4051.13
16-Nov-17	7.8	2240	560	4047.00
07-Dec-17	7.6	2220	562	4043.64
20-Dec-17	8.1	2200	560	4042.77

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM02				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
10-Oct-17	7.4	2340	525	4048.68
25-Oct-17	8.7	2350	539	4051.30
06-Nov-17	7.6	2290	526	4046.67
16-Nov-17	7.5	2300	529	4043.45
07-Dec-17	7.9	2310	525	4040.67
20-Dec-17	8.2	2290	530	4040.48

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM03				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
11-Oct-17	10.3	2450	556	4029.13
25-Oct-17	9.3	2380	572	4031.07
06-Nov-17	11.6	2630	533	4031.63
16-Nov-17	9.3	2380	563	4028.00
07-Dec-17	8.9	2270	572	4028.78
20-Dec-17	11.5	2590	538	4026.96

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM04				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
11-Oct-17	10.1	2530	546	4026.38
25-Oct-17	10.5	2520	550	4028.22
07-Nov-17	10.8	2500	538	4026.94
20-Nov-17	11.0	2600	540	4024.98
07-Dec-17	11.0	2590	537	4026.35
20-Dec-17	11.5	2610	533	4025.56

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM05				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
16-Oct-17	8.4	2160	581	4027.66
27-Oct-17	6.2	1931	602	4028.97
07-Nov-17	6.8	1891	600	4157.88
20-Nov-17	7.1	1906	565	4022.21
07-Dec-17	5.0	1996	599	4023.20
20-Dec-17	6.9	1919	591	4157.55

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM06				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
10-Oct-17	14.1	3180	494	4029.13
24-Oct-17	16.2	3220	486	4029.60
07-Nov-17	13.5	3030	509	4028.94
20-Nov-17	8.8	2240	599	4021.84
07-Dec-17	10.9	3230	483	4030.17
19-Dec-17	9.7	2410	523	4030.53

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM07				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
10-Oct-17	4.7	2080	610	4031.19
24-Oct-17	6.5	2040	609	4030.93
07-Nov-17	6.7	2060	616	4029.91
20-Nov-17	7.2	2040	580	4020.75
07-Dec-17	6.8	2080	599	4031.81
19-Dec-17	5.0	2090	613	4031.10

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM08				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
10-Oct-17	7.1	2420	570	4032.65
24-Oct-17	7.6	2410	564	4031.79
07-Nov-17	10.3	2370	518	4030.79
20-Nov-17	7.2	2380	577	4019.93
07-Dec-17	10.3	2330	572	4032.96
19-Dec-17	7.2	2370	576	4031.57

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM09				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
10-Oct-17	6.8	2190	582	4031.77
24-Oct-17	7.1	2240	575	4029.09
07-Nov-17	8.2	2250	578	4027.58
20-Nov-17	8.9	2350	573	4012.40
07-Dec-17	6.6	2210	578	4030.78
20-Dec-17	6.9	2120	583	4025.59

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM10				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
10-Oct-17	4.6	2050	632	4032.71
24-Oct-17	5.9	2100	620	4029.42
06-Nov-17	5.9	2040	628	4028.04
16-Nov-17	8.9	2110	618	4016.19
07-Dec-17	9.0	2040	622	4031.71
20-Dec-17	6.6	2040	638	4025.77

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM11				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
10-Oct-17	5.1	2100	613	4033.87
24-Oct-17	3.9	2060	610	4030.93
06-Nov-17	6.3	2060	608	4028.72
16-Nov-17	5.3	2080	608	4017.02
07-Dec-17	6.5	2070	610	4031.10
20-Dec-17	5.8	2070	610	4024.91

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM12				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
10-Oct-17	4.4	1995	616	4092.65
24-Oct-17	5.3	1971	612	4092.71
06-Nov-17	3.0	1966	614	4092.50
16-Nov-17	6.0	1988	610	4092.57
07-Dec-17	5.6	1964	615	4091.64
20-Dec-17	5.0	1956	610	4091.54

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM12A				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
10-Oct-17	5.4	1974	602	4071.47
24-Oct-17	5.8	1952	590	4071.26
06-Nov-17	5.4	1958	596	4071.16
16-Nov-17	6.9	1964	595	4071.07
07-Dec-17	5.0	1959	593	4070.07
20-Dec-17	5.9	1946	596	4069.84

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM13				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
09-Oct-17	3.4	1866	640	4073.38
24-Oct-17	4.9	1859	635	4073.25
07-Nov-17	4.7	1865	640	4072.94
20-Nov-17	4.9	1881	647	4072.76
07-Dec-17	5.2	1851	632	4072.27
20-Dec-17	4.1	1858	639	4072.25

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM14A				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
09-Oct-17	5.3	2280	580	4072.41
24-Oct-17	5.9	2270	580	4072.10
07-Nov-17	7.0	2270	575	4071.58
20-Nov-17	7.0	2280	586	4071.45
07-Dec-17	8.9	2250	578	4070.56
20-Dec-17	6.7	2270	578	4070.82

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM15				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
10-Oct-17	8.8	2270	520	4070.05
25-Oct-17	9.5	2260	523	4070.06
06-Nov-17	9.7	2260	508	4069.95
16-Nov-17	8.9	2270	517	4069.77
07-Dec-17	9.9	2300	488	4068.55
20-Dec-17	8.5	2240	527	4068.71

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM16				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
11-Oct-17	6.1	2110	625	4070.61
25-Oct-17	6.6	2120	631	4070.55
06-Nov-17	6.7	2080	629	4070.19
16-Nov-17	6.0	2100	620	4070.17
07-Dec-17	6.0	2080	618	4069.09
20-Dec-17	6.8	2090	624	4068.75

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM17				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
11-Oct-17	4.9	2200	645	4077.29
25-Oct-17	6.6	2220	648	4077.37
07-Nov-17	7.5	2200	643	4077.00
20-Nov-17	6.9	2210	654	4076.82
07-Dec-17	6.5	2190	641	4075.93
20-Dec-17	5.0	2190	651	4075.86

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM18				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
11-Oct-17	5.4	2110	632	4066.62
25-Oct-17	6.7	2120	632	4064.72
07-Nov-17	6.6	2090	628	4054.99
20-Nov-17	7.1	2100	640	4050.07
07-Dec-17	8.3	2080	624	4043.00
20-Dec-17	6.4	2060	625	4040.52

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM19				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
10-Oct-17	7.3	2260	617	4057.72
25-Oct-17	7.8	2240	619	4065.89
06-Nov-17	6.8	2220	612	4059.32
16-Nov-17	7.1	2230	611	4052.54
07-Dec-17	6.9	2230	613	4049.18
20-Dec-17	7.2	2210	612	4048.10

Mine Unit 1		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU1-PM19A				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3269	885	
<u>Date</u>				
10-Oct-17	7.1	2250	615	4057.82
25-Oct-17	7.4	2260	630	4065.87
06-Nov-17	7.1	2210	612	4059.17
16-Nov-17	6.8	2240	610	4052.51
07-Dec-17	7.1	2230	609	4049.09
20-Dec-17	7.2	2220	614	4048.01

Mine Unit 1		Strata Energy Inc. Ross ISR Project Surficial Aquifer Well		Quarterly Report 4th Quarter 2017
WELL ID: MU1-SA03				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCO3	feet
Upper Control Limits	29	1,870	1,099	
<u>Date</u>				
25-Oct-17	7.9	1,416	589	4,114.10

DM Monitor Wells

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017	
WELL ID: MU2-DM01					
Water Quality Parameters		Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units		mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits		41	2987	741	
Date					
04-Oct-17		20.4	2370	460	4013.23
17-Oct-17		26.0	2440	468	3977.13
01-Nov-17		24.1	2420	467	4009.83
13-Nov-17		22.1	2390	457	4005.13
05-Dec-17		24.0	2310	462	4010.63
18-Dec-17		21.1	2430	459	4004.93

Mine Unit 2	Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells			Quarterly Report 4th Quarter 2017
WELL ID: MU2-DM02				
Water Quality Parameters	Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	210	2987	741	
<u>Date</u>				
04-Oct-17	81.3	2380	447	4019.53
17-Oct-17	126.4	2530	463	4008.23
01-Nov-17	78.2	2410	464	4016.73
13-Nov-17	120.8	2460	458	4015.83
05-Dec-17	118.1	2380	460	4017.83
18-Dec-17	117.8	2480	450	4015.53

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-DM05				
Water Quality Parameters	Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	41	2987	741	
<u>Date</u>				
04-Oct-17	5.0	2250	420	4010.42
17-Oct-17	5.0	2300	428	3998.92
01-Nov-17	0.3	2270	422	4009.12
13-Nov-17	1.4	2240	417	4007.02
05-Dec-17	0.3	2190	418	4009.82
18-Dec-17	1.7	2270	412	4007.72

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-DM06				
Water Quality Parameters		Specific Conductance	Total Alkalinity	Water Elevation
Units	Sulfate mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	41	2987	741	
<u>Date</u>				
04-Oct-17	5.0	2180	447	4016.15
17-Oct-17	5.0	2230	465	4011.55
01-Nov-17	0.3	2210	454	4016.05
13-Nov-17	0.4	2200	449	4014.15
05-Dec-17	0.3	2140	451	4015.55
18-Dec-17	0.7	2230	448	4014.55

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-DM08				
Water Quality Parameters	Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	41	2987	741	
<u>Date</u>				
04-Oct-17	8.8	2200	438	4013.41
17-Oct-17	11.8	2230	453	3998.91
01-Nov-17	9.6	2210	450	4001.51
13-Nov-17	8.8	2180	435	4010.01
05-Dec-17	6.4	2140	442	4011.51
18-Dec-17	6.3	2220	435	4010.41

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017	
WELL ID: MU2-DM09					
Water Quality Parameters		Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units		mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits		210	2987	741	
<u>Date</u>					
04-Oct-17		35.5	2250	370	4001.70
17-Oct-17		38.5	2320	405	3987.50
01-Nov-17		33.7	2290	402	3990.00
13-Nov-17		32.9	2270	401	3995.30
05-Dec-17		17.6	2220	399	3997.60
18-Dec-17		32.3	2310	394	3995.90

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017	
WELL ID: MU2-DM11					
Water Quality Parameters		Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units		mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits		210	2987	741	
Date					
04-Oct-17		99.7	2400	382	3987.83
17-Oct-17		104.3	2460	408	3931.63
02-Nov-17		97.0	2430	409	3956.23
13-Nov-17		109.2	2410	407	3964.13
05-Dec-17		123.8	2350	406	3983.73
18-Dec-17		119.8	2440	401	3963.73

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-DM12A				
Water Quality Parameters		Specific Conductance	Total Alkalinity	Water Elevation
Units	Sulfate mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	210	2987	741	
<u>Date</u>				
04-Oct-17	95.6	2330	392	4001.66
17-Oct-17	100.1	2370	403	3970.86
01-Nov-17	99.2	2320	398	3974.76
13-Nov-17	96.6	2320	399	3994.76
05-Dec-17	134.4	2250	396	3998.36
18-Dec-17	147.2	2370	391	3995.36

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017	
WELL ID: MU2-DM14					
Water Quality Parameters		Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units		mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits		210	2987	741	
Date					
04-Oct-17		127.2	2440	394	3999.32
17-Oct-17		128.6	2500	398	3904.22
02-Nov-17		125.7	2460	393	3963.62
13-Nov-17		121.8	2460	392	3978.02
05-Dec-17		140.2	2370	393	3992.82
18-Dec-17		139.6	2470	386	3978.12

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017	
WELL ID: MU2-DM15					
Water Quality Parameters		Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units		mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits		41	2987	741	
<u>Date</u>					
04-Oct-17		15.7	2160	422	4005.03
17-Oct-17		16.4	2210	421	3984.73
01-Nov-17		13.2	2180	421	3988.73
13-Nov-17		15.4	2170	418	3999.63
05-Dec-17		8.6	2130	422	4000.53
18-Dec-17		10.9	2200	411	3999.93

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-DM16				
Water Quality Parameters	Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	41	2987	741	
<u>Date</u>				
04-Oct-17	5.0	2150	424	3999.22
17-Oct-17	5.0	2200	430	3940.72
01-Nov-17	1.7	2180	431	3944.42
13-Nov-17	1.8	2160	425	3983.52
05-Dec-17	1.6	2130	424	4000.32
18-Dec-17	2.3	2200	415	3979.42

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-DM17				
Water Quality Parameters		Specific Conductance	Total Alkalinity	Water Elevation
Units	Sulfate mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	210	2987	741	
<u>Date</u>				
04-Oct-17	22.4	2150	448	4002.82
17-Oct-17	32.3	2210	442	3954.62
01-Nov-17	35.6	2170	420	3974.42
13-Nov-17	28.7	2160	436	3988.82
05-Dec-17	22.4	2140	443	4006.32
18-Dec-17	17.2	2190	433	3983.62

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-DM18				
Water Quality Parameters		Specific Conductance	Total Alkalinity	Water Elevation
Units	Sulfate mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	41	2987	741	
Date				
04-Oct-17	5.0	2170	429	3986.54
17-Oct-17	5.0	2230	440	3907.74
02-Nov-17	0.3	2210	432	3955.24
13-Nov-17	0.4	2190	430	3965.04
05-Dec-17	0.3	2130	428	3982.84
18-Dec-17	0.7	2220	421	3977.94

Mine Unit 2	Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells			Quarterly Report 4th Quarter 2017
WELL ID: MU2-DM19				
Water Quality Parameters	Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	41	2987	741	
<u>Date</u>				
04-Oct-17	5.0	2260	420	3972.00
17-Oct-17	7.0	2350	428	3856.90
02-Nov-17	5.6	2310	424	3915.90
13-Nov-17	5.3	2300	421	3939.60
05-Dec-17	3.8	2210	418	3978.30
18-Dec-17	4.0	2330	422	3971.10

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017	
WELL ID: MU2-DM20					
Water Quality Parameters		Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units		mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits		41	2987	741	
Date					
04-Oct-17		10.8	2170	415	4010.95
17-Oct-17		12.8	2260	425	3971.65
02-Nov-17		12.5	2220	420	3995.85
13-Nov-17		13.0	2210	417	3999.65
05-Dec-17		5.4	2150	418	4007.45
18-Dec-17		6.9	2230	405	4007.45

Mine Unit 2	Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells			Quarterly Report 4th Quarter 2017
WELL ID: MU2-DM21				
Water Quality Parameters	Sulfate	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	41	2987	741	
<u>Date</u>				
04-Oct-17	5.0	2420	393	4016.58
17-Oct-17	5.0	2610	384	3955.98
01-Nov-17	1.7	2390	398	3965.58
13-Nov-17	1.8	2410	394	4003.68
05-Dec-17	1.3	2330	392	4009.08
18-Dec-17	2.3	2460	382	4002.78

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-DM22				
Water Quality Parameters		Specific Conductance	Total Alkalinity	Water Elevation
Units	Sulfate mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	41	2987	741	
Date				
04-Oct-17	11.1	2190	436	4008.75
17-Oct-17	11.3	2250	432	3993.15
01-Nov-17	12.5	2220	426	3873.05
13-Nov-17	10.9	2220	427	4004.35
05-Dec-17	5.8	2170	440	4005.85
18-Dec-17	5.6	2240	422	4003.85

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-DM23				
Water Quality Parameters		Specific Conductance	Total Alkalinity	Water Elevation
Units	Sulfate mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	210	2987	741	
<u>Date</u>				
04-Oct-17	50.1	2300	436	4028.38
17-Oct-17	71.7	2380	450	4014.58
01-Nov-17	45.5	2340	445	4028.58
13-Nov-17	65.8	2330	447	4027.48
05-Dec-17	70.4	2270	444	4030.88
18-Dec-17	83.8	2370	435	4028.78

SM Monitor Wells

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM01				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
04-Oct-17	5.8	1483	508	4106.69
16-Oct-17	5.3	1499	501	4106.74
02-Nov-17	6.4	1503	507	4106.87
13-Nov-17	5.8	1499	501	4106.73
05-Dec-17	4.0	1478	501	4106.28
18-Dec-17	6.9	1520	492	4116.01

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM02				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
04-Oct-17	7.8	1450	459	4109.77
17-Oct-17	7.8	1484	474	4104.90
01-Nov-17	7.9	1462	470	4109.86
13-Nov-17	7.7	1461	468	4109.50
05-Dec-17	7.9	1423	464	4109.26
18-Dec-17	8.5	1475	458	4108.76

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM05				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
03-Oct-17	4.7	1423	499	4102.39
16-Oct-17	4.0	1447	501	4102.54
02-Nov-17	6.0	1452	502	4102.52
13-Nov-17	0.0	1449	500	4102.35
04-Dec-17	5.0	1411	510	4102.47
18-Dec-17	6.9	1461	487	4101.53

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM06				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
04-Oct-17	5.7	1608	530	4091.74
16-Oct-17	5.6	1617	526	4092.57
02-Nov-17	7.0	1627	527	4092.45
13-Nov-17	4.3	1613	524	4092.40
04-Dec-17	5.0	1580	530	4091.79
19-Dec-17	6.3	1630	520	4090.59

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM08				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
05-Oct-17	3.8	1497	507	4103.40
16-Oct-17	4.9	1516	509	4104.15
02-Nov-17	5.7	1522	509	4103.66
13-Nov-17	4.6	1525	510	4103.65
04-Dec-17	5.3	1488	513	4103.79
19-Dec-17	5.0	1539	503	4102.88

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM09				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
03-Oct-17	3.8	1401	483	4103.17
16-Oct-17	5.0	1426	483	4106.11
02-Nov-17	5.2	1440	484	4105.65
13-Nov-17	4.7	1440	484	4105.89
05-Dec-17	4.9	1406	483	4105.30
19-Dec-17	3.0	1439	457	4116.06

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM11				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
03-Oct-17	4.1	1502	501	4099.89
16-Oct-17	4.0	1532	503	4099.92
03-Nov-17	7.0	1475	480	4099.17
13-Nov-17	4.7	1550	507	4099.27
04-Dec-17	4.5	1510	505	4099.89
20-Dec-17	4.6	1519	507	4097.74

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM12				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
05-Oct-17	4.9	1571	523	4105.14
17-Oct-17	4.6	1620	532	4104.93
03-Nov-17	5.0	1524	521	4105.42
13-Nov-17	4.8	1604	527	4105.97
06-Dec-17	6.1	1560	524	4104.64
19-Dec-17	6.2	1608	521	4104.61

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM14				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
05-Oct-17	5.3	1452	489	4089.68
18-Oct-17	5.4	1466	489	4089.31
03-Nov-17	7.0	1402	450	4087.11
13-Nov-17	6.3	1493	490	4086.46
06-Dec-17	5.9	1452	488	4087.49
20-Dec-17	5.2	1471	492	4086.10

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM15				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
03-Oct-17	4.5	1444	525	4102.23
18-Oct-17	3.9	1456	527	4099.74
03-Nov-17	4.0	1414	480	4102.10
14-Nov-17	3.5	1451	529	4101.52
06-Dec-17	4.1	1448	525	4100.72
19-Dec-17	4.9	1472	522	4083.04

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM16				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
05-Oct-17	4.6	1516	509	4099.32
18-Oct-17	4.6	1529	511	4099.20
03-Nov-17	5.0	1477	480	4099.06
14-Nov-17	4.6	1539	519	4098.23
04-Dec-17	4.7	1515	515	4099.12
19-Dec-17	5.6	1561	508	4097.15

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM17				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
05-Oct-17	2.8	1432	517	4099.61
18-Oct-17	3.2	1450	525	4098.72
03-Nov-17	3.0	1393	490	4099.78
14-Nov-17	3.3	1446	526	4099.36
06-Dec-17	3.7	1428	519	4097.94
20-Dec-17	3.6	1440	522	4097.82

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM18				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
05-Oct-17	6.7	1499	478	4090.63
18-Oct-17	7.1	1512	480	4090.28
03-Nov-17	6.0	1433	450	4089.76
13-Nov-17	6.8	1528	483	4089.02
06-Dec-17	6.0	1490	476	4089.24
20-Dec-17	6.6	1506	483	4088.41

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM19				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
05-Oct-17	5.3	1513	489	4091.45
18-Oct-17	5.2	1518	495	4091.43
03-Nov-17	7.0	1475	470	4091.14
14-Nov-17	3.0	1518	500	4090.88
06-Dec-17	5.0	1508	490	4090.42
20-Dec-17	7.9	1529	504	4090.14

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM20				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
05-Oct-17	4.0	1499	517	4092.58
18-Oct-17	4.8	1508	518	4092.46
03-Nov-17	4.0	1450	520	4092.21
14-Nov-17	3.9	1509	524	4092.07
06-Dec-17	4.4	1496	521	4091.67
19-Dec-17	3.0	1533	512	4091.37

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM21				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
05-Oct-17	3.1	1469	520	4095.38
18-Oct-17	3.1	1489	525	4094.90
03-Nov-17	4.0	1438	523	4095.15
15-Nov-17	3.5	1482	489	4094.69
06-Dec-17	3.5	1464	517	4094.16
19-Dec-17	4.8	1520	516	4094.43

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM22				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
03-Oct-17	2.2	1216	476	4104.63
17-Oct-17	2.8	1317	502	4104.34
03-Nov-17	2.5	1216	460	4104.46
14-Nov-17	3.0	1232	488	4103.35
06-Dec-17	3.8	1163	466	4103.79
19-Dec-17	3.9	1284	484	4104.29

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SM23				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	19	1982	633	
<u>Date</u>				
04-Oct-17	5.3	1710	541	4097.29
17-Oct-17	4.7	1747	541	4088.98
01-Nov-17	6.2	1725	536	4097.73
13-Nov-17	5.5	1725	543	4098.03
05-Dec-17	5.3	1690	535	4096.16
18-Dec-17	6.0	1736	523	4094.53

PM Monitor Wells

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM01A				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
04-Oct-17	9.1	2310	509	4054.26
19-Oct-17	10.3	2250	511	4051.98
01-Nov-17	9.2	2280	509	4043.98
13-Nov-17	8.9	2240	510	4039.05
04-Dec-17	8.8	2220	511	4045.16
18-Dec-17	8.5	2230	489	4040.22

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM02				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
04-Oct-17	7.1	2230	552	4057.45
19-Oct-17	7.7	2220	553	4057.19
01-Nov-17	7.6	2280	554	4053.91
13-Nov-17	7.3	2250	550	4046.10
06-Dec-17	7.3	2170	544	4048.86
18-Dec-17	8.0	2260	536	4046.48

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM03				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
05-Oct-17	6.9	1610	506	4061.37
16-Oct-17	6.5	1666	508	4065.30
01-Nov-17	6.5	1654	506	4057.89
13-Nov-17	7.0	1694	510	4052.65
06-Dec-17	9.1	1623	505	4049.37
19-Dec-17	7.8	1671	502	4046.34

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM04				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
05-Oct-17	5.3	1660	531	4071.03
16-Oct-17	6.2	1679	533	4074.28
01-Nov-17	6.7	1759	532	4071.45
13-Nov-17	6.0	1807	534	4070.07
06-Dec-17	5.7	1578	534	4058.42
19-Dec-17	6.2	1739	526	4057.00

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM05				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
05-Oct-17	7.3	1844	539	4073.81
16-Oct-17	10.2	1879	543	4075.02
01-Nov-17	8.6	1955	539	4081.32
13-Nov-17	8.2	2010	534	4078.49
06-Dec-17	6.9	1831	536	4071.49
19-Dec-17	7.0	1976	531	4071.63

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM06				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
04-Oct-17	9.4	2290	536	4065.65
23-Oct-17	9.2	2340	532	4067.20
03-Nov-17	9.9	2320	532	4068.19
15-Nov-17	10.0	2480	528	4067.03
05-Dec-17	9.8	2430	524	4062.11
19-Dec-17	9.7	2440	523	4061.07

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM07				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
04-Oct-17	6.9	2010	549	4067.35
23-Oct-17	7.8	2120	534	4070.48
03-Nov-17	7.9	2120	490	4071.04
15-Nov-17	8.7	2240	530	4070.86
05-Dec-17	10.8	2180	530	4066.26
19-Dec-17	9.4	2340	522	4066.30

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM08				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
02-Oct-17	8.7	2300	460	4049.58
19-Oct-17	10.6	2340	448	4044.27
01-Nov-17	10.8	2360	482	4033.80
13-Nov-17	9.7	2370	482	4028.94
04-Dec-17	9.6	2300	486	4037.68
18-Dec-17	10.4	2370	475	4033.52

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM09				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
02-Oct-17	7.8	2230	460	4053.80
19-Oct-17	11.8	2230	461	4044.80
01-Nov-17	12.5	2230	447	4031.88
13-Nov-17	11.0	2250	474	4030.22
04-Dec-17	10.0	2160	502	4038.87
18-Dec-17	12.1	2240	450	4037.27

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM10				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
04-Oct-17	9.2	2230	522	4057.04
19-Oct-17	9.5	2210	515	4042.15
01-Nov-17	9.8	2250	523	4028.93
14-Nov-17	9.1	2240	517	4030.35
05-Dec-17	9.9	2190	517	4032.85
18-Dec-17	10.5	2270	501	4034.20

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM11				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
04-Oct-17	8.0	1714	501	4059.03
19-Oct-17	7.9	1708	496	4044.28
01-Nov-17	8.0	1735	497	4030.87
14-Nov-17	7.8	1717	500	4031.52
05-Dec-17	8.1	1670	491	4035.35
18-Dec-17	10.3	1739	485	4037.66

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM12				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
03-Oct-17	13.1	2100	449	4046.34
19-Oct-17	13.7	2420	462	4052.30
01-Nov-17	13.5	2570	467	4054.28
14-Nov-17	13.3	2680	478	4054.44
05-Dec-17	12.9	2660	468	4051.11
18-Dec-17	14.3	2770	465	4049.80

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM13				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
03-Oct-17	13.8	2670	485	4047.30
19-Oct-17	13.7	2610	486	4046.97
01-Nov-17	13.5	2560	482	4049.18
14-Nov-17	13.6	2690	492	4049.43
05-Dec-17	13.1	2460	475	4048.00
18-Dec-17	14.3	2700	476	4049.84

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM14				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
03-Oct-17	14.4	2180	458	4048.03
19-Oct-17	14.6	2520	462	4046.93
01-Nov-17	14.6	2120	458	4049.04
14-Nov-17	13.9	2360	471	4049.23
05-Dec-17	13.2	1759	452	4048.30
18-Dec-17	12.8	2340	465	4046.27

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM15				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
03-Oct-17	9.9	1475	470	4057.73
19-Oct-17	10.1	1487	468	4055.70
01-Nov-17	10.2	1517	468	4057.21
14-Nov-17	9.8	1503	472	4057.04
05-Dec-17	8.6	1484	471	4057.17
18-Dec-17	10.4	1530	458	4056.43

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM16				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
03-Oct-17	7.1	1504	503	4052.68
19-Oct-17	10.1	1517	507	4050.16
01-Nov-17	7.8	1539	507	4051.20
14-Nov-17	7.0	1537	512	4050.80
05-Dec-17	7.2	1511	505	4051.40
18-Dec-17	7.4	1552	497	4050.39

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM17				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
03-Oct-17	8.1	1855	482	4050.28
19-Oct-17	9.0	2180	500	4047.93
01-Nov-17	8.3	2010	490	4049.13
14-Nov-17	8.5	2160	500	4049.12
05-Dec-17	7.7	2050	497	4049.46
18-Dec-17	10.5	1855	472	4045.00

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM18				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
04-Oct-17	9.4	1783	496	4049.36
18-Oct-17	10.5	2220	489	4047.68
02-Nov-17	8.8	1944	492	4048.18
14-Nov-17	9.4	2170	494	4048.55
06-Dec-17	6.3	1531	491	4048.50
19-Dec-17	8.9	2140	488	4048.40

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM19				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
04-Oct-17	9.7	1819	473	4048.76
18-Oct-17	10.0	1997	472	4047.79
02-Nov-17	10.5	1948	479	4048.12
14-Nov-17	10.2	1914	475	4047.90
06-Dec-17	9.4	1749	469	4048.06
19-Dec-17	10.3	1874	468	4047.39

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM20				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
04-Oct-17	9.5	1497	471	4049.70
18-Oct-17	9.1	1500	468	4048.95
02-Nov-17	9.0	1526	468	4048.70
14-Nov-17	8.6	1497	470	4049.14
06-Dec-17	10.9	1464	465	4044.81
19-Dec-17	9.1	1506	467	4068.66

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM21				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
05-Oct-17	9.4	1643	474	4044.43
19-Oct-17	9.8	1722	474	4050.32
02-Nov-17	9.7	1692	479	4049.26
14-Nov-17	9.4	1638	479	4048.08
06-Dec-17	9.2	1688	472	4053.83
19-Dec-17	9.4	1684	468	4051.73

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM22				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
05-Oct-17	8.7	1718	475	4050.95
19-Oct-17	9.9	1730	475	4050.74
02-Nov-17	9.2	1753	475	4048.28
14-Nov-17	8.9	1745	480	4048.97
06-Dec-17	8.2	1693	475	4051.55
19-Dec-17	9.1	1766	467	4052.09

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM23				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
05-Oct-17	5.6	1655	494	4047.63
19-Oct-17	6.9	1674	499	4043.70
02-Nov-17	7.2	1699	496	4049.19
14-Nov-17	6.4	1677	501	4050.45
06-Dec-17	6.7	1644	490	4054.60
19-Dec-17	7.8	1700	487	4052.25

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM24				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
05-Oct-17	5.7	1651	499	4050.21
23-Oct-17	5.8	1618	495	4046.02
06-Nov-17	7.1	1650	503	4048.63
16-Nov-17	6.5	1644	496	4055.82
06-Dec-17	6.1	1619	494	4056.36
18-Dec-17	7.0	1671	510	4056.35

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM25				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
05-Oct-17	4.3	1580	505	4058.23
23-Oct-17	4.6	1574	505	4054.52
06-Nov-17	4.8	1569	501	4057.06
16-Nov-17	4.5	1591	503	4062.29
06-Dec-17	5.8	1574	501	4061.54
18-Dec-17	5.9	1658	512	4062.87

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM26				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
05-Oct-17	5.3	1721	509	4064.73
23-Oct-17	4.8	1667	509	4058.85
06-Nov-17	6.5	1713	509	4060.65
16-Nov-17	6.9	1686	505	4064.15
06-Dec-17	5.7	1675	508	4061.79
18-Dec-17	9.5	1802	503	4064.32

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM27				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
05-Oct-17	4.9	1880	507	4068.52
23-Oct-17	6.8	1992	512	4067.91
06-Nov-17	7.1	1931	506	4067.08
16-Nov-17	5.0	1887	506	4067.30
06-Dec-17	4.9	1673	507	4063.33
19-Dec-17	5.0	1805	504	4063.49

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM28				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
05-Oct-17	7.7	2080	517	4072.54
23-Oct-17	8.5	2210	505	4073.90
06-Nov-17	9.0	2210	508	4073.70
16-Nov-17	8.4	2260	503	4072.89
06-Dec-17	8.1	2150	511	4068.56
19-Dec-17	8.8	2230	506	4069.76

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM29				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
05-Oct-17	5.9	1894	534	4070.43
23-Oct-17	7.2	1972	523	4073.66
06-Nov-17	7.1	1973	529	4074.60
16-Nov-17	7.2	2000	519	4073.48
06-Dec-17	6.2	1932	519	4069.88
19-Dec-17	6.0	2070	516	4070.73

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM30				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
04-Oct-17	4.1	1669	550	4066.08
23-Oct-17	4.9	1770	540	4069.57
03-Nov-17	7.0	1803	510	4072.16
14-Nov-17	7.6	2030	531	4071.54
05-Dec-17	7.2	2070	527	4067.51
19-Dec-17	8.6	2160	521	4069.18

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM31				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
04-Oct-17	4.9	1736	552	4066.12
23-Oct-17	6.3	1905	534	4069.79
03-Nov-17	7.9	1948	500	4072.33
14-Nov-17	7.9	2090	528	4070.33
05-Dec-17	8.5	2040	527	4067.40
19-Dec-17	7.1	2150	521	4067.39

Mine Unit 2		Strata Energy Inc. Ross ISR Project Perimeter, Shallow, and Deep Monitor Wells		Quarterly Report 4th Quarter 2017
WELL ID: MU2-PM32				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCo3	feet
Upper Control Limits	21	3985	756	
<u>Date</u>				
04-Oct-17	9.1	2180	535	4067.35
23-Oct-17	8.4	2210	528	4071.38
03-Nov-17	7.9	2210	490	4073.89
14-Nov-17	9.0	2280	532	4072.13
05-Dec-17	8.1	2250	529	4067.95
19-Dec-17	7.9	2360	519	4068.44

Mine Unit 2		Strata Energy Inc. Ross ISR Project Surficial Aquifer Well		Quarterly Report 4th Quarter 2017
WELL ID: MU2-SA01				
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	Water Elevation
Units	mg/L	µmhos/cm	mg/L as CaCO3	feet
Upper Control Limits	19	2,861	549	
<u>Date</u>				
25-Oct-17	5.5	1,648	442	4,132.87

Appendix B
Mechanical Integrity Test Results

Mine Unit	Hole ID	MIT Date	Total Depth (ft)	Easting	Northing	Packer Depth (ft)	Initial Pressure	End Pressure	Pass/Fail	Sect	Twn & Rng	Quarter/Quarter
2	MU2-OZ494	10/9/2017	640	502983.8626	4936913.435	550	175	170	Pass	7	53N 67W	SW SW
2	MU2-OZ520	10/12/2017	640	503022.6063	4936914.519	550	175	168	Pass	7	53N 67W	SW SW
2	MU2-OZ532	10/12/2017	670	502865.7524	4936798.236	510	175	163	Pass	12	53N 68W	SE SE
2	MU2-OZ555	10/12/2017	690	502840.6227	4936487.879	570	175	168	Pass	13	53N 68W	NE NE
2	MU2-OZ527	10/17/2017	630	503043.2293	4936899.792	550	175	164	Pass	7	53N 67W	SW SW
2	MU2-OZ528	10/17/2017	630	503044.7427	4936878.543	550	175	168	Pass	7	53N 67W	SW SW
2	MU2-OZ492	10/17/2017	640	502943.9244	4936889.716	550	175	171	Pass	7	53N 67W	SW SW
2	MU2-OZ495	10/17/2017	630	503002.2413	4936902.321	550	175	167	Pass	7	53N 67W	SW SW
2	MU2-OZ497	10/17/2017	630	503064.0255	4936867.281	550	175	170	Pass	7	53N 67W	SW SW
2	MU2-OZ490	10/19/2017	650	502904.7329	4936866.863	565	175	166	Pass	12	53N 68W	SE SE
2	MU2-OZ496	10/19/2017	630	503023.8597	4936889.268	550	175	162	Pass	7	53N 67W	SW SW
2	MU2-OZ530	10/19/2017	640	502925.1691	4936902.264	550	175	168	Pass	12	53N 68W	SE SE
2	MU2-OZ489	10/19/2017	660	502884.9435	4936857.012	565	175	164	Pass	12	52N 68W	SE SE
2	MU2-OZ561	10/19/2017	630	502905.4493	4936889.442	565	175	171	Pass	12	53N 68W	SE SE
2	MU2-OZ526	10/20/2017	690	502876.8309	4936516.73	595	175	165	Pass	13	53N 68W	NE NE
2	MU2-OZ556	10/20/2017	690	502833.2463	4936478.804	565	175	164	Pass	13	53N 68W	NE NE
2	MU2-OZ539	10/20/2017	690	502862.5088	4936513.6	605	175	171	Pass	13	53N 68W	NE NE
2	MU2-OZ522	10/21/2017	640	502986.0727	4936873.14	550	175	168	Pass	7	53N 67W	SW SW
2	MU2-OZ521	10/21/2017	630	503003.4258	4936880.76	550	175	163	Pass	7	53N 67W	SW SW
2	MU2-OZ504	10/21/2017	630	503061.6692	4936729.266	520	175	166	Pass	7	53N 67W	SW SW
2	MU2-OZ498	10/21/2017	630	503063.9311	4936845.547	550	175	164	Pass	7	53N 67W	SW SW
2	MU2-OZ501	10/21/2017	630	503103.3709	4936798.926	510	175	164	Pass	7	53N 67W	SW SW
2	MU2-OZ524	10/23/2017	690	502894.4935	4936550.734	605	175	160	Pass	13	53N 68W	NE NE
2	MU2-OZ509	10/23/2017	700	502888.8367	4936611.309	605	175	168	Pass	13	53N 68W	NE NE
2	MU2-OZ439	10/23/2017	690	502906.7618	4936592.705	605	175	170	Pass	13	53N 68W	NE NE
2	MU2-OZ550	10/24/2017	650	502903.1022	4936852.538	490	175	170	Pass	12	53N 68W	SE SE

Mine Unit	Hole ID	MIT Date	Total Depth (ft)	Easting	Northing	Packer Depth (ft)	Initial Pressure	End Pressure	Pass/Fail	Sect	Twn & Rng	Quarter/Quarter
2	MU2-OZ553	10/24/2017	620	503083.2597	4936832.111	550	175	169	Pass	7	53N 67W	SW SW
2	MU2-OZ500	10/24/2017	620	503084.2742	4936786.157	505	175	165	Pass	7	53N 67W	SW SW
2	MU2-OZ503	10/24/2017	630	503082.9794	4936740.542	515	175	169	Pass	7	53N 67W	SW SW
2	MU2-OZ543	10/25/2017	610	503084.1078	4936763.012	510	175	170	Pass	7	53N 67W	SW SW
2	MU2-OZ515	10/25/2017	620	503064.4289	4936777.595	510	175	170	Pass	7	53N 67W	SW SW
2	MU2-OZ519	10/25/2017	640	503004.2009	4936925.136	550	175	170	Pass	7	53N 67W	SW SW
2	MU2-OZ516	10/26/2017	620	503083.5062	4936809.583	510	175	171	Pass	7	53N 67W	SW SW
2	MU2-OZ559	10/26/2017	630	503103.2581	4936822.423	510	175	162	Pass	7	53N 67W	SW SW
2	MU2-OZ154	10/26/2017	590	502969.6388	4936211.989	490	175	173	Pass	18	53N 67W	SW NW
1	MU1-OZ340	10/27/2017	490	504044.3293	4936655.63	435	175	163	Pass	18	53N 67W	NW NE
2	MU2-OZ499	10/31/2017	620	503064.4965	4936799.138	495	175	173	Pass	7	53N 67W	SW SW
2	MU2-OZ372	11/2/2017	610	502936.3934	4936319.219	515	175	170	Pass	18	53N 67W	NW NW
1	MU1-OZ063	11/2/2017	510	504035.0496	4936649.77	450	175	172	Pass	18	53N 67W	NW NE
1	MU1-OZ197	11/6/2017	510	504015.1509	4936568.978	445	175	167	Pass	18	53N 67W	NW NE
2	MU2-OZ517	11/7/2017	630	503062.7546	4936890.655	550	175	168	Pass	7	53N 67W	SW SW
1	MU1-OZ343	11/7/2017	500	504025.1092	4936576.049	450	175	172	Pass	18	53N 67W	NW NE
1	MU1-OZ225	11/10/2017	490	504073.8036	4936533.988	390	175	171	Pass	18	53N 67W	NW NE
1	MU1-OZ281	11/14/2017	490	504072.0833	4936535.36	355	175	169	Pass	18	53N 67W	NW NE
1	MU1-OZ035	11/15/2017	490	504132.4685	4936637.958	410	175	168	Pass	18	53N 67W	NW NE
1	MU1-OZ047	11/16/2017	500	504073.4668	4936626.453	435	175	168	Pass	18	53N 67W	NW NE
1	MU1-OZ342	11/16/2017	510	504023.4305	4936664.629	435	175	170	Pass	18	53N 67W	NW NE
1	MU1-OZ009	11/27/2017	470	504094.636	4936523.187	350	175	170	Pass	18	53N 67W	NW NE
1	MU1-OZ003	11/27/2017	500	504054.167	4936593.326	410	175	168	Pass	18	53N 67W	NW NE
1	MU1-OZ198	11/29/2017	520	503975.2872	4936569.017	455	175	168	Pass	18	53N 67W	NW NE
1	MU1-OZ190	11/29/2017	520	503991.5937	4936576.774	450	175	166	Pass	18	53N 67W	NW NE
1	MU1-OZ250	12/5/2017	520	503957.9453	4936579.798	430	175	167	Pass	18	53N 67W	NW NE

Mine Unit	Hole ID	MIT Date	Total Depth (ft)	Easting	Northing	Packer Depth (ft)	Initial Pressure	End Pressure	Pass/Fail	Sect	Twn & Rng	Quarter/Quarter
1	MU1-OZ064	12/11/2017	510	504053.5623	4936638.432	430	175	167	Pass	18	53N 67W	NW NE
2	MU2-OZ265	12/14/2017	570	503090.6629	4935952.431	490	175	173	Pass	18	53N 67W	SW NW
2	MU2-OZ027	12/14/2017	580	503063.7357	4935930.395	530	175	166	Pass	18	53N 67W	SW NW
2	MU2-OZ036	12/14/2017	570	503143.2851	4936020.776	470	175	167	Pass	18	53N 67W	SW NW
2	MU2-OZ186	12/19/2017	570	503057.8087	4935881.244	490	175	168	Pass	18	53N 67W	NW SW
2	MU2-OZ270	12/20/2017	650	502845.9055	4936397.505	585	175	164	Pass	13	53N 68W	NE NE

Appendix C
Daily Maximum Injection Pressure

Date	Header house 1 (PSI)	Header house 2 (PSI)	Header house 3 (PSI)	Header house 4 (PSI)	Header house 5 (PSI)	Header house 6 (PSI)	Header house 7 (PSI)	Header house 8 (PSI)
Oct 1, 2017	82.18	76.56	88.77	88.95	116.47	114.06	119.71	105.07
Oct 2, 2017	83.92	78.37	90.10	91.11	120.14	116.32	121.68	106.99
Oct 3, 2017	84.61	79.12	90.42	91.50	128.14	118.67	123.12	106.23
Oct 4, 2017	82.70	51.42	88.29	88.80	127.24	118.21	122.23	104.52
Oct 5, 2017	79.62	73.76	86.68	85.41	127.45	115.37	120.32	102.66
Oct 6, 2017	78.59	73.95	86.18	85.06	127.80	115.38	119.96	106.82
Oct 7, 2017	80.80	30.76	87.79	87.36	129.47	116.55	121.28	113.22
Oct 8, 2017	83.73	0.62	90.69	90.54	131.38	118.16	123.41	115.75
Oct 9, 2017	75.24	36.62	82.76	81.52	123.77	113.26	117.15	110.17
Oct 10, 2017	67.86	60.58	74.42	72.86	117.08	108.27	110.79	104.87
Oct 11, 2017	48.19	57.83	75.62	74.80	117.63	109.39	110.92	108.48
Oct 12, 2017	64.50	55.50	64.15	73.15	119.34	108.08	110.72	111.22
Oct 13, 2017	69.25	56.16	70.78	72.38	121.60	106.85	110.72	110.98
Oct 14, 2017	71.59	58.24	73.55	75.45	124.18	108.44	112.37	112.48
Oct 15, 2017	73.63	59.97	75.27	78.40	127.11	109.86	113.99	114.17
Oct 16, 2017	74.08	60.28	75.87	78.38	128.97	111.24	114.61	114.64
Oct 17, 2017	72.15	58.48	73.88	76.40	126.41	111.37	112.80	113.39
Oct 18, 2017	70.98	57.13	74.81	74.69	123.57	109.49	111.41	112.22
Oct 19, 2017	74.09	59.66	80.89	81.88	126.93	110.97	112.25	114.88
Oct 20, 2017	69.40	58.52	80.59	81.20	125.03	108.54	110.47	113.60
Oct 21, 2017	62.45	56.43	78.47	79.20	122.76	106.87	108.41	111.77
Oct 22, 2017	66.43	59.99	82.72	83.50	125.91	110.07	110.93	115.97
Oct 23, 2017	66.83	60.08	83.52	84.19	126.59	110.66	111.30	116.70
Oct 24, 2017	65.81	58.14	81.96	82.64	125.84	109.74	110.95	116.23
Oct 25, 2017	65.17	57.50	79.33	83.13	125.70	109.57	113.38	116.64
Oct 26, 2017	66.95	59.12	77.64	85.86	126.90	113.58	116.02	121.17
Oct 27, 2017	69.52	60.36	81.28	88.98	127.55	115.80	118.71	125.37
Oct 28, 2017	68.09	56.62	81.36	89.51	125.09	115.74	119.07	126.88
Oct 29, 2017	67.42	57.27	79.78	86.98	129.02	114.85	121.41	125.02
Oct 30, 2017	68.82	57.45	80.46	87.30	131.74	118.32	123.53	124.66
Oct 31, 2017	66.95	53.69	79.40	86.18	131.08	121.27	123.26	121.92
Nov 1, 2017	62.82	62.24	78.75	87.03	126.22	120.82	124.61	123.18
Nov 2, 2017	60.43	64.39	77.75	87.34	127.66	118.58	124.37	123.24
Nov 3, 2017	60.63	63.52	77.35	86.30	127.07	118.25	123.89	122.43
Nov 4, 2017	62.41	63.92	78.80	87.29	128.42	121.01	124.75	123.42
Nov 5, 2017	62.24	63.73	78.50	87.05	128.29	117.35	124.55	123.47
Nov 6, 2017	61.85	65.59	78.39	87.74	128.23	118.66	124.76	124.24
Nov 7, 2017	61.56	66.44	78.42	87.67	129.53	118.18	124.88	123.87
Nov 8, 2017	59.07	67.01	77.44	89.81	133.29	117.76	124.02	126.65
Nov 9, 2017	55.66	65.32	75.56	90.37	133.04	116.64	124.26	125.21
Nov 10, 2017	67.84	63.19	65.38	86.50	127.69	115.50	117.80	120.62
Nov 11, 2017	68.01	62.88	63.42	85.38	125.37	116.17	117.84	117.52
Nov 12, 2017	67.03	61.48	64.29	83.49	123.92	114.58	120.10	115.76
Nov 13, 2017	66.37	61.51	65.49	83.20	124.98	114.37	120.47	113.50
Nov 14, 2017	66.48	62.03	66.85	84.25	127.61	115.08	121.56	112.94
Nov 15, 2017	65.81	60.53	66.83	83.92	126.82	114.76	114.82	112.00
Nov 16, 2017	62.05	56.71	72.50	79.97	126.25	117.11	113.50	108.92
Nov 17, 2017	62.95	57.86	74.51	82.29	127.82	119.08	116.16	111.13

Date	Header house 1 (PSI)	Header house 2 (PSI)	Header house 3 (PSI)	Header house 4 (PSI)	Header house 5 (PSI)	Header house 6 (PSI)	Header house 7 (PSI)	Header house 8 (PSI)
Nov 18, 2017	62.47	57.32	74.69	82.47	126.69	119.77	115.43	111.86
Nov 19, 2017	63.13	57.90	75.96	84.96	127.13	120.32	115.33	114.28
Nov 20, 2017	27.37	23.97	31.30	33.80	50.85	47.47	45.75	45.43
Nov 21, 2017	4.00	3.88	4.36	2.49	4.55	1.80	19.81	3.25
Nov 22, 2017	11.05	12.02	16.12	16.51	23.10	15.45	27.55	13.69
Nov 23, 2017	59.80	50.76	65.62	75.56	120.31	99.10	94.68	94.37
Nov 24, 2017	59.05	51.12	65.54	75.40	121.65	102.22	95.87	103.99
Nov 25, 2017	58.38	51.39	65.59	75.59	121.24	103.95	94.47	104.71
Nov 26, 2017	59.63	52.68	66.57	77.32	123.00	105.57	96.05	107.06
Nov 27, 2017	60.00	52.62	67.19	78.00	119.52	107.05	98.82	108.29
Nov 28, 2017	54.22	48.42	59.69	76.34	110.84	101.90	95.58	101.57
Nov 29, 2017	50.29	50.33	54.10	82.58	119.12	107.44	99.34	110.36
Nov 30, 2017	49.91	47.39	53.72	86.26	116.31	111.86	89.89	113.31
Dec 1, 2017	48.85	45.19	52.90	87.77	123.49	119.71	112.05	117.94
Dec 2, 2017	49.56	44.59	53.84	86.13	130.13	122.41	128.98	120.73
Dec 3, 2017	56.57	47.91	63.63	82.37	127.54	121.22	124.91	119.95
Dec 4, 2017	63.80	48.66	71.77	81.84	127.90	119.87	120.11	120.23
Dec 5, 2017	63.58	45.73	70.63	81.33	128.66	118.37	120.92	119.17
Dec 6, 2017	61.76	47.40	65.71	78.99	127.50	114.61	117.16	116.96
Dec 7, 2017	60.86	49.76	64.06	78.14	127.23	113.61	115.62	116.86
Dec 8, 2017	63.75	52.07	61.92	81.31	129.93	114.90	114.65	119.95
Dec 9, 2017	62.27	50.83	60.57	79.50	128.46	113.88	114.72	118.40
Dec 10, 2017	61.37	50.10	60.39	78.36	128.19	113.18	114.85	117.45
Dec 11, 2017	53.84	42.79	54.48	66.51	109.29	96.76	95.49	100.92
Dec 12, 2017	63.18	46.78	54.15	81.01	120.34	104.29	106.70	118.33
Dec 13, 2017	62.61	42.68	70.20	79.18	117.97	107.02	105.19	115.53
Dec 14, 2017	61.86	41.74	69.66	78.83	118.53	110.30	110.56	115.78
Dec 15, 2017	60.97	41.24	68.74	77.99	119.55	110.64	112.43	115.23
Dec 16, 2017	62.58	40.86	70.02	79.74	121.62	112.49	113.27	117.09
Dec 17, 2017	62.24	37.68	69.30	79.15	122.14	113.91	113.74	116.95
Dec 18, 2017	61.57	38.25	68.14	77.93	121.82	113.46	116.95	116.12
Dec 19, 2017	62.87	37.27	69.15	79.67	120.75	114.14	116.81	118.14
Dec 20, 2017	63.98	44.51	67.43	78.50	120.45	113.85	117.64	117.90
Dec 21, 2017	64.95	50.06	66.82	80.14	119.42	114.67	116.77	118.89
Dec 22, 2017	65.70	50.19	63.05	83.16	127.31	114.95	114.59	120.05
Dec 23, 2017	62.84	47.10	59.85	82.46	133.24	113.34	115.44	121.08
Dec 24, 2017	61.90	46.29	59.27	82.18	133.54	113.26	116.55	121.25
Dec 25, 2017	58.07	42.67	70.50	82.20	132.07	111.39	109.65	121.33
Dec 26, 2017	59.48	43.83	74.27	84.11	134.53	120.03	114.78	124.64
Dec 27, 2017	63.72	46.51	76.79	45.62	136.34	121.46	117.69	129.02
Dec 28, 2017	61.15	44.35	65.79	11.96	124.04	108.14	101.99	105.30
Dec 29, 2017	47.70	47.84	69.62	56.81	132.50	117.14	119.25	120.31
Dec 30, 2017	63.23	45.37	67.17	68.71	128.33	116.74	128.75	117.69
Dec 31, 2017	58.75	41.05	61.88	63.85	121.62	114.29	123.30	113.92

Date	Header house 9 (PSI)
Oct 1, 2017	N/A
Oct 2, 2017	N/A
Oct 3, 2017	N/A
Oct 4, 2017	23.56
Oct 5, 2017	34.83
Oct 6, 2017	33.07
Oct 7, 2017	32.73
Oct 8, 2017	33.31
Oct 9, 2017	30.56
Oct 10, 2017	30.83
Oct 11, 2017	32.92
Oct 12, 2017	34.70
Oct 13, 2017	38.14
Oct 14, 2017	43.23
Oct 15, 2017	43.94
Oct 16, 2017	44.88
Oct 17, 2017	44.83
Oct 18, 2017	44.74
Oct 19, 2017	48.11
Oct 20, 2017	51.69
Oct 21, 2017	49.84
Oct 22, 2017	53.09
Oct 23, 2017	55.22
Oct 24, 2017	55.36
Oct 25, 2017	57.71
Oct 26, 2017	62.37
Oct 27, 2017	66.51
Oct 28, 2017	67.29
Oct 29, 2017	64.55
Oct 30, 2017	64.54
Oct 31, 2017	63.75
Nov 1, 2017	64.86
Nov 2, 2017	66.00
Nov 3, 2017	64.58
Nov 4, 2017	63.52
Nov 5, 2017	64.47
Nov 6, 2017	65.89
Nov 7, 2017	67.73
Nov 8, 2017	75.67
Nov 9, 2017	76.86
Nov 10, 2017	74.52
Nov 11, 2017	74.79
Nov 12, 2017	73.89
Nov 13, 2017	76.80
Nov 14, 2017	79.88
Nov 15, 2017	78.68
Nov 16, 2017	77.57
Nov 17, 2017	80.27

Date	Header house 9 (PSI)
Nov 18, 2017	79.22
Nov 19, 2017	82.58
Nov 20, 2017	48.45
Nov 21, 2017	66.32
Nov 22, 2017	54.83
Nov 23, 2017	62.29
Nov 24, 2017	70.18
Nov 25, 2017	70.56
Nov 26, 2017	74.42
Nov 27, 2017	76.30
Nov 28, 2017	69.79
Nov 29, 2017	75.26
Nov 30, 2017	81.21
Dec 1, 2017	81.06
Dec 2, 2017	80.84
Dec 3, 2017	79.71
Dec 4, 2017	80.74
Dec 5, 2017	80.27
Dec 6, 2017	78.47
Dec 7, 2017	77.65
Dec 8, 2017	80.91
Dec 9, 2017	79.71
Dec 10, 2017	78.55
Dec 11, 2017	62.16
Dec 12, 2017	72.25
Dec 13, 2017	72.86
Dec 14, 2017	74.48
Dec 15, 2017	75.96
Dec 16, 2017	77.86
Dec 17, 2017	78.29
Dec 18, 2017	78.87
Dec 19, 2017	81.27
Dec 20, 2017	85.96
Dec 21, 2017	85.42
Dec 22, 2017	87.44
Dec 23, 2017	86.24
Dec 24, 2017	86.82
Dec 25, 2017	86.89
Dec 26, 2017	90.83
Dec 27, 2017	98.98
Dec 28, 2017	89.96
Dec 29, 2017	97.54
Dec 30, 2017	96.12
Dec 31, 2017	84.43

Appendix D
Header House Daily Average Flow Rates

Date	Header house 1		Header house 2		Header house 3		Header house 4	
	Injection (GPM)	Recovery (GPM)	Injection (GPM)	Recovery (GPM)	Injection (GPM)	Recovery (GPM)	Injection (GPM)	Recovery (GPM)
Oct 1, 2017	425	463	416	474	386	365	144	81
Oct 2, 2017	427	454	417	468	394	389	140	80
Oct 3, 2017	420	446	406	464	395	388	140	80
Oct 4, 2017	405	445	277	305	391	388	137	79
Oct 5, 2017	409	438	404	448	386	380	137	76
Oct 6, 2017	423	444	384	441	385	379	134	75
Oct 7, 2017	432	453	158	245	392	381	137	68
Oct 8, 2017	439	458	0	112	392	378	117	69
Oct 9, 2017	423	446	224	293	376	379	-5	67
Oct 10, 2017	394	431	409	449	384	375	77	72
Oct 11, 2017	305	327	404	450	387	372	70	75
Oct 12, 2017	417	440	384	440	348	331	76	76
Oct 13, 2017	411	453	383	442	393	378	84	77
Oct 14, 2017	422	463	391	451	393	374	84	80
Oct 15, 2017	438	461	398	470	401	389	80	78
Oct 16, 2017	408	465	398	453	398	389	85	79
Oct 17, 2017	416	455	392	444	392	394	81	78
Oct 18, 2017	380	450	392	444	396	383	74	77
Oct 19, 2017	392	455	396	444	399	371	61	78
Oct 20, 2017	413	454	401	445	399	380	66	79
Oct 21, 2017	395	434	398	447	399	387	63	79
Oct 22, 2017	369	421	400	461	403	392	64	79
Oct 23, 2017	380	432	402	475	401	379	46	78
Oct 24, 2017	359	417	401	481	397	377	13	78
Oct 25, 2017	343	435	407	492	395	370	12	80
Oct 26, 2017	396	428	402	487	400	385	13	79
Oct 27, 2017	413	445	397	478	394	384	18	77
Oct 28, 2017	361	438	379	463	385	380	20	77
Oct 29, 2017	405	448	385	456	385	380	18	77
Oct 30, 2017	389	440	384	450	381	377	12	77
Oct 31, 2017	400	449	378	447	378	374	18	76
Nov 1, 2017	382	438	409	452	378	380	61	78
Nov 2, 2017	380	433	408	444	382	383	105	78
Nov 3, 2017	384	432	406	442	380	381	102	77
Nov 4, 2017	392	445	412	465	378	377	100	77
Nov 5, 2017	385	428	410	462	374	375	99	76
Nov 6, 2017	387	433	393	453	376	372	99	76
Nov 7, 2017	397	445	381	444	376	367	105	77
Nov 8, 2017	375	427	381	443	367	359	110	76
Nov 9, 2017	366	424	389	442	361	374	111	77
Nov 10, 2017	406	439	406	447	350	379	120	77
Nov 11, 2017	403	437	400	434	345	380	128	78
Nov 12, 2017	392	420	394	431	351	381	106	77
Nov 13, 2017	397	443	388	447	348	362	102	74
Nov 14, 2017	409	434	395	477	358	379	101	77
Nov 15, 2017	402	415	398	477	364	397	102	76
Nov 16, 2017	394	409	385	462	386	408	105	75

Date	Header house 1		Header house 2		Header house 3		Header house 4	
	Injection (GPM)	Recovery (GPM)	Injection (GPM)	Recovery (GPM)	Injection (GPM)	Recovery (GPM)	Injection (GPM)	Recovery (GPM)
Nov 17, 2017	408	428	392	468	390	408	115	77
Nov 18, 2017	401	420	387	467	386	410	120	78
Nov 19, 2017	406	447	389	466	390	409	121	77
Nov 20, 2017	156	168	147	174	149	151	47	29
Nov 21, 2017	2	0	0	0	0	0	1	0
Nov 22, 2017	68	78	70	89	68	72	18	13
Nov 23, 2017	390	439	433	461	396	424	115	75
Nov 24, 2017	383	433	427	445	387	415	110	71
Nov 25, 2017	383	421	423	434	382	415	110	77
Nov 26, 2017	385	442	426	440	390	422	113	77
Nov 27, 2017	385	429	433	461	387	415	112	77
Nov 28, 2017	367	429	430	443	359	400	107	70
Nov 29, 2017	367	425	450	450	354	410	117	75
Nov 30, 2017	358	415	443	440	351	400	114	74
Dec 1, 2017	356	413	435	450	347	394	119	74
Dec 2, 2017	363	416	437	450	351	395	117	73
Dec 3, 2017	371	421	450	455	381	405	114	75
Dec 4, 2017	389	424	449	467	401	420	110	76
Dec 5, 2017	388	432	430	451	398	411	107	75
Dec 6, 2017	381	418	436	446	392	420	105	74
Dec 7, 2017	384	429	456	469	383	408	105	76
Dec 8, 2017	380	430	460	461	375	405	107	74
Dec 9, 2017	380	422	454	448	374	417	106	74
Dec 10, 2017	379	420	450	444	373	407	106	74
Dec 11, 2017	337	391	408	412	325	349	92	65
Dec 12, 2017	388	436	452	454	354	399	105	72
Dec 13, 2017	372	429	427	445	402	402	98	77
Dec 14, 2017	378	432	424	451	401	404	99	74
Dec 15, 2017	377	439	416	436	401	407	98	76
Dec 16, 2017	380	426	409	448	402	405	101	78
Dec 17, 2017	377	426	411	451	395	397	101	78
Dec 18, 2017	372	413	414	437	394	406	101	78
Dec 19, 2017	378	433	408	446	391	391	103	78
Dec 20, 2017	376	415	443	459	392	412	101	78
Dec 21, 2017	384	414	473	498	390	421	101	75
Dec 22, 2017	385	414	471	495	383	441	104	72
Dec 23, 2017	382	414	462	490	376	428	107	76
Dec 24, 2017	380	410	458	467	369	425	108	75
Dec 25, 2017	369	407	443	476	401	426	107	76
Dec 26, 2017	372	407	449	480	411	441	105	77
Dec 27, 2017	380	405	454	484	412	426	58	57
Dec 28, 2017	348	390	405	439	372	398	24	42
Dec 29, 2017	315	388	496	459	392	407	74	72
Dec 30, 2017	359	409	462	452	370	392	81	74
Dec 31, 2017	351	405	450	427	365	399	80	75

Date	Header house 5		Header house 6		Header house 7		Header house 8	
	Injection (GPM)	Recovery (GPM)	Injection (GPM)	Recovery (GPM)	Injection (GPM)	Recovery (GPM)	Injection (GPM)	Recovery (GPM)
Oct 1, 2017	379	379	497	493	401	390	427	454
Oct 2, 2017	377	377	496	488	401	384	426	455
Oct 3, 2017	380	377	492	488	400	388	432	453
Oct 4, 2017	374	380	479	472	396	384	420	455
Oct 5, 2017	367	371	458	454	387	373	402	442
Oct 6, 2017	367	368	455	452	387	375	414	441
Oct 7, 2017	371	372	460	461	391	376	430	449
Oct 8, 2017	377	375	467	468	397	382	435	454
Oct 9, 2017	360	364	452	460	384	376	416	446
Oct 10, 2017	352	363	441	451	376	366	400	444
Oct 11, 2017	359	361	446	451	384	371	398	446
Oct 12, 2017	359	363	444	450	385	368	394	441
Oct 13, 2017	358	367	453	458	386	362	397	442
Oct 14, 2017	364	374	456	453	390	371	403	445
Oct 15, 2017	366	365	459	459	394	372	407	443
Oct 16, 2017	357	365	460	461	393	371	406	447
Oct 17, 2017	361	352	463	459	390	377	400	438
Oct 18, 2017	369	350	461	464	389	382	400	445
Oct 19, 2017	364	354	465	463	396	386	402	446
Oct 20, 2017	371	365	462	465	398	387	404	449
Oct 21, 2017	370	366	468	463	396	382	403	449
Oct 22, 2017	374	369	471	465	399	387	402	447
Oct 23, 2017	375	368	471	463	398	387	402	447
Oct 24, 2017	373	365	468	462	397	390	395	449
Oct 25, 2017	372	362	465	457	402	390	395	447
Oct 26, 2017	372	362	465	466	403	387	383	445
Oct 27, 2017	373	363	464	462	404	382	373	440
Oct 28, 2017	365	358	460	458	404	378	364	431
Oct 29, 2017	373	358	459	460	398	380	369	434
Oct 30, 2017	374	355	464	462	392	380	381	441
Oct 31, 2017	367	347	467	465	386	381	396	450
Nov 1, 2017	357	337	462	462	390	387	391	444
Nov 2, 2017	371	354	458	465	391	382	393	442
Nov 3, 2017	366	352	460	462	391	385	392	439
Nov 4, 2017	364	350	461	461	392	381	392	439
Nov 5, 2017	366	357	454	457	391	377	390	437
Nov 6, 2017	364	354	462	461	392	378	390	433
Nov 7, 2017	363	352	459	460	396	382	393	438
Nov 8, 2017	362	345	453	453	395	383	388	432
Nov 9, 2017	360	339	450	449	398	392	389	427
Nov 10, 2017	356	349	450	454	390	387	405	440
Nov 11, 2017	356	352	456	460	402	397	421	443
Nov 12, 2017	357	350	453	462	405	397	421	444
Nov 13, 2017	355	350	447	455	406	393	431	441
Nov 14, 2017	358	356	450	459	408	389	439	442
Nov 15, 2017	357	363	444	451	402	388	442	443
Nov 16, 2017	351	350	445	447	402	388	439	444

Date	Header house 5		Header house 6		Header house 7		Header house 8	
	Injection (GPM)	Recovery (GPM)	Injection (GPM)	Recovery (GPM)	Injection (GPM)	Recovery (GPM)	Injection (GPM)	Recovery (GPM)
Nov 17, 2017	351	352	448	457	403	391	439	447
Nov 18, 2017	347	348	446	451	395	388	437	450
Nov 19, 2017	352	355	444	445	396	385	437	445
Nov 20, 2017	132	134	168	171	147	135	165	169
Nov 21, 2017	0	0	0	0	16	0	-1	0
Nov 22, 2017	56	56	70	70	63	57	53	56
Nov 23, 2017	362	356	464	473	401	396	435	445
Nov 24, 2017	356	352	458	472	383	383	430	443
Nov 25, 2017	351	345	460	465	373	383	428	442
Nov 26, 2017	355	346	460	458	372	381	425	436
Nov 27, 2017	359	345	461	463	367	375	422	437
Nov 28, 2017	329	332	449	444	351	362	398	409
Nov 29, 2017	357	359	472	462	364	385	446	443
Nov 30, 2017	344	353	464	450	345	378	449	436
Dec 1, 2017	358	364	450	451	401	384	430	442
Dec 2, 2017	358	372	439	454	430	390	419	440
Dec 3, 2017	355	365	437	454	421	395	410	438
Dec 4, 2017	352	355	439	453	412	391	405	437
Dec 5, 2017	351	347	446	457	423	413	407	436
Dec 6, 2017	351	353	443	446	411	404	402	433
Dec 7, 2017	346	350	450	446	404	399	401	429
Dec 8, 2017	346	347	453	449	391	394	402	430
Dec 9, 2017	344	343	450	447	391	392	401	429
Dec 10, 2017	346	352	449	448	392	389	400	430
Dec 11, 2017	321	324	395	393	333	334	347	371
Dec 12, 2017	378	374	450	452	378	389	414	437
Dec 13, 2017	364	366	345	452	367	383	421	435
Dec 14, 2017	360	367	485	449	375	375	417	432
Dec 15, 2017	360	368	484	450	387	381	415	428
Dec 16, 2017	361	370	493	445	386	382	414	426
Dec 17, 2017	356	376	489	411	381	381	412	428
Dec 18, 2017	354	378	488	422	384	374	410	428
Dec 19, 2017	351	368	486	432	380	374	409	420
Dec 20, 2017	350	365	488	430	379	375	403	426
Dec 21, 2017	341	361	489	425	373	371	402	428
Dec 22, 2017	353	365	489	415	360	367	420	438
Dec 23, 2017	363	371	483	422	362	366	409	424
Dec 24, 2017	360	370	482	421	368	370	406	424
Dec 25, 2017	362	371	480	417	352	363	406	422
Dec 26, 2017	360	364	388	425	360	360	394	423
Dec 27, 2017	366	368	426	419	373	385	387	413
Dec 28, 2017	309	322	484	348	335	323	313	321
Dec 29, 2017	359	378	494	427	400	389	399	424
Dec 30, 2017	346	378	494	431	419	390	390	418
Dec 31, 2017	335	357	495	432	410	388	383	419

Date	Header house 9	
	Injection (GPM)	Recovery (GPM)
Oct 1, 2017	N/A	N/A
Oct 2, 2017	N/A	N/A
Oct 3, 2017	N/A	N/A
Oct 4, 2017	185	171
Oct 5, 2017	464	446
Oct 6, 2017	452	437
Oct 7, 2017	462	446
Oct 8, 2017	432	415
Oct 9, 2017	459	416
Oct 10, 2017	452	416
Oct 11, 2017	455	420
Oct 12, 2017	449	419
Oct 13, 2017	466	441
Oct 14, 2017	491	469
Oct 15, 2017	488	471
Oct 16, 2017	486	471
Oct 17, 2017	474	461
Oct 18, 2017	466	461
Oct 19, 2017	481	483
Oct 20, 2017	516	506
Oct 21, 2017	511	508
Oct 22, 2017	520	509
Oct 23, 2017	521	506
Oct 24, 2017	523	509
Oct 25, 2017	517	507
Oct 26, 2017	519	502
Oct 27, 2017	523	497
Oct 28, 2017	522	494
Oct 29, 2017	522	498
Oct 30, 2017	522	498
Oct 31, 2017	521	506
Nov 1, 2017	520	509
Nov 2, 2017	517	510
Nov 3, 2017	510	507
Nov 4, 2017	510	499
Nov 5, 2017	506	497
Nov 6, 2017	504	496
Nov 7, 2017	505	501
Nov 8, 2017	500	500
Nov 9, 2017	502	494
Nov 10, 2017	499	498
Nov 11, 2017	493	496
Nov 12, 2017	490	498
Nov 13, 2017	481	481
Nov 14, 2017	482	482
Nov 15, 2017	497	485
Nov 16, 2017	482	478

Date	Header house 9	
	Injection (GPM)	Recovery (GPM)
Nov 17, 2017	484	475
Nov 18, 2017	490	473
Nov 19, 2017	487	474
Nov 20, 2017	311	179
Nov 21, 2017	399	0
Nov 22, 2017	263	19
Nov 23, 2017	450	450
Nov 24, 2017	448	439
Nov 25, 2017	448	441
Nov 26, 2017	439	434
Nov 27, 2017	439	441
Nov 28, 2017	414	401
Nov 29, 2017	477	476
Nov 30, 2017	492	493
Dec 1, 2017	502	499
Dec 2, 2017	497	495
Dec 3, 2017	486	493
Dec 4, 2017	483	490
Dec 5, 2017	488	490
Dec 6, 2017	486	486
Dec 7, 2017	487	487
Dec 8, 2017	490	490
Dec 9, 2017	487	491
Dec 10, 2017	487	492
Dec 11, 2017	409	409
Dec 12, 2017	502	495
Dec 13, 2017	500	500
Dec 14, 2017	500	498
Dec 15, 2017	495	495
Dec 16, 2017	495	495
Dec 17, 2017	492	496
Dec 18, 2017	484	493
Dec 19, 2017	481	474
Dec 20, 2017	454	455
Dec 21, 2017	465	453
Dec 22, 2017	470	456
Dec 23, 2017	473	456
Dec 24, 2017	469	451
Dec 25, 2017	469	451
Dec 26, 2017	463	450
Dec 27, 2017	451	445
Dec 28, 2017	389	389
Dec 29, 2017	412	422
Dec 30, 2017	426	423
Dec 31, 2017	443	434

Appendix E
Mine Unit Wellfield Daily Flow Volumes

Mine Unit 1 Wellfield Daily Flow Volumes				
Date	Recovery (gallons)	Injection (gallons)	Wellfield Net Bleed (gallons)	% Net Bleed
Oct 1, 2017	1,992,199	1,973,705	18,494	0.43%
Oct 2, 2017	2,003,009	1,982,874	20,134	0.52%
Oct 3, 2017	1,983,057	1,961,021	22,035	0.55%
Oct 4, 2017	1,755,718	1,742,419	13,299	0.72%
Oct 5, 2017	1,939,963	1,922,070	17,894	1.02%
Oct 6, 2017	1,930,381	1,908,994	21,387	0.71%
Oct 7, 2017	1,653,385	1,610,922	42,463	0.69%
Oct 8, 2017	1,462,848	1,364,371	98,477	0.71%
Oct 9, 2017	1,707,510	1,465,676	241,834	0.72%
Oct 10, 2017	1,910,815	1,819,214	91,602	0.54%
Oct 11, 2017	1,762,922	1,679,161	83,760	0.47%
Oct 12, 2017	1,856,454	1,762,935	93,519	0.61%
Oct 13, 2017	1,945,704	1,829,996	115,708	0.63%
Oct 14, 2017	1,969,227	1,856,210	113,016	0.51%
Oct 15, 2017	2,013,865	1,896,954	116,911	0.50%
Oct 16, 2017	1,997,189	1,855,742	141,447	0.73%
Oct 17, 2017	1,974,545	1,844,271	130,274	0.64%
Oct 18, 2017	1,951,537	1,787,568	163,969	0.61%
Oct 19, 2017	1,943,478	1,797,396	146,082	0.68%
Oct 20, 2017	1,955,715	1,841,463	114,252	0.79%
Oct 21, 2017	1,938,809	1,806,833	131,976	0.94%
Oct 22, 2017	1,948,303	1,780,351	167,952	0.56%
Oct 23, 2017	1,969,620	1,770,845	198,775	0.75%
Oct 24, 2017	1,950,345	1,684,532	265,813	0.71%
Oct 25, 2017	1,985,964	1,666,728	319,236	0.74%
Oct 26, 2017	1,984,874	1,744,441	240,433	0.63%
Oct 27, 2017	1,995,708	1,759,910	235,798	0.71%
Oct 28, 2017	1,959,280	1,646,502	312,778	0.78%
Oct 29, 2017	1,959,325	1,718,748	240,577	0.60%
Oct 30, 2017	1,936,276	1,680,068	256,207	0.70%
Oct 31, 2017	1,947,221	1,691,603	255,618	1.45%
Nov 1, 2017	1,950,121	1,772,663	177,457	1.15%
Nov 2, 2017	1,930,958	1,834,254	96,704	0.88%
Nov 3, 2017	1,920,800	1,830,332	90,468	0.74%
Nov 4, 2017	1,964,436	1,846,427	118,010	0.70%
Nov 5, 2017	1,930,882	1,826,079	104,803	0.68%
Nov 6, 2017	1,922,373	1,807,853	114,520	0.75%
Nov 7, 2017	1,928,911	1,813,559	115,351	1.06%
Nov 8, 2017	1,882,395	1,775,349	107,046	0.78%

Mine Unit 1 Wellfield Daily Flow Volumes				
Date	Recovery (gallons)	Injection (gallons)	Wellfield Net Bleed (gallons)	% Net Bleed
Nov 9, 2017	1,905,000	1,766,689	138,311	1.16%
Nov 10, 2017	1,932,277	1,846,435	85,842	0.75%
Nov 11, 2017	1,913,694	1,835,550	78,144	0.60%
Nov 12, 2017	1,884,349	1,790,658	93,691	0.61%
Nov 13, 2017	1,916,376	1,778,886	137,490	0.95%
Nov 14, 2017	1,972,579	1,819,133	153,446	0.87%
Nov 15, 2017	1,970,721	1,823,948	146,772	0.89%
Nov 16, 2017	1,954,917	1,828,898	126,019	0.79%
Nov 17, 2017	1,990,931	1,879,476	111,455	0.80%
Nov 18, 2017	1,980,955	1,864,390	116,565	0.67%
Nov 19, 2017	2,013,797	1,880,323	133,474	0.66%
Nov 20, 2017	756,311	718,320	37,991	1.16%
Nov 21, 2017	4,600*	0*	4600*	N/A
Nov 22, 2017	365,307	323,303	42,004	1.39%
Nov 23, 2017	2,015,458	1,920,825	94,633	0.59%
Nov 24, 2017	1,964,103	1,883,095	81,008	0.65%
Nov 25, 2017	1,939,432	1,870,335	69,098	0.66%
Nov 26, 2017	1,990,036	1,891,762	98,274	0.66%
Nov 27, 2017	1,996,743	1,897,300	99,443	1.00%
Nov 28, 2017	1,936,005	1,818,893	117,112	0.79%
Nov 29, 2017	1,962,684	1,853,872	108,813	2.29%
Nov 30, 2017	1,914,011	1,821,690	92,321	1.91%
Dec 1, 2017	1,915,172	1,811,439	103,733	1.68%
Dec 2, 2017	1,920,739	1,826,362	94,377	1.72%
Dec 3, 2017	1,952,556	1,894,150	58,405	0.69%
Dec 4, 2017	1,996,801	1,943,186	53,616	0.66%
Dec 5, 2017	1,971,012	1,906,383	64,629	0.71%
Dec 6, 2017	1,954,831	1,891,908	62,923	0.64%
Dec 7, 2017	1,990,550	1,910,825	79,725	0.84%
Dec 8, 2017	1,973,517	1,903,119	70,397	0.63%
Dec 9, 2017	1,959,223	1,892,506	66,718	0.64%
Dec 10, 2017	1,937,468	1,884,036	53,432	0.67%
Dec 11, 2017	1,751,687	1,672,006	79,681	0.70%
Dec 12, 2017	1,960,149	1,870,761	89,388	0.69%
Dec 13, 2017	1,947,875	1,870,515	77,360	0.59%
Dec 14, 2017	1,960,156	1,873,140	87,016	0.60%
Dec 15, 2017	1,954,785	1,859,588	95,197	0.61%
Dec 16, 2017	1,953,570	1,859,975	93,596	0.61%
Dec 17, 2017	1,947,759	1,849,277	98,483	0.63%

Mine Unit 1 Wellfield Daily Flow Volumes				
Date	Recovery (gallons)	Injection (gallons)	Wellfield Net Bleed (gallons)	% Net Bleed
Dec 18, 2017	1,921,922	1,844,610	77,312	0.59%
Dec 19, 2017	1,940,610	1,843,127	97,483	0.64%
Dec 20, 2017	1,963,749	1,889,341	74,408	0.61%
Dec 21, 2017	2,028,261	1,939,988	88,273	0.66%
Dec 22, 2017	2,046,728	1,934,785	111,943	0.63%
Dec 23, 2017	2,028,672	1,911,038	117,634	0.63%
Dec 24, 2017	1,983,538	1,893,222	90,316	0.65%
Dec 25, 2017	1,994,665	1,900,772	93,894	0.64%
Dec 26, 2017	2,021,996	1,926,522	95,474	0.64%
Dec 27, 2017	1,975,515	1,878,333	97,182	0.73%
Dec 28, 2017	1,826,532	1,654,465	172,067	0.79%
Dec 29, 2017	1,908,536	1,837,764	70,773	0.54%
Dec 30, 2017	1,911,623	1,831,720	79,902	0.61%
Dec 31, 2017	1,881,305	1,791,947	89,358	0.63%
Total	173,473,309	163,270,627	10,202,683	0.64%

* Plant shut down, recovery flow is attributed to swabbing recovered from the wellfields.

Mine Unit 2 Wellfield Daily Flow Volumes				
Date	Recovery (gallons)	Injection (gallons)	Wellfield Net Bleed (gallons)	% Net Bleed
Oct 1, 2017	2,470,293	2,453,556	16,737	0.43%
Oct 2, 2017	2,454,075	2,448,372	5,703	0.52%
Oct 3, 2017	2,456,024	2,454,702	1,322	0.54%
Oct 4, 2017	2,681,337	2,670,702	10,634	0.55%
Oct 5, 2017	3,001,546	2,993,553	7,993	0.66%
Oct 6, 2017	2,986,254	2,988,014	-1,760	0.60%
Oct 7, 2017	3,029,518	3,045,598	-16,080	0.62%
Oct 8, 2017	3,014,285	3,035,032	-20,747	0.68%
Oct 9, 2017	2,971,563	2,981,984	-10,421	0.63%
Oct 10, 2017	2,940,919	2,911,126	29,792	0.62%
Oct 11, 2017	2,955,873	2,938,121	17,752	0.59%
Oct 12, 2017	2,942,446	2,924,417	18,029	0.55%
Oct 13, 2017	2,980,525	2,966,765	13,761	0.53%
Oct 14, 2017	3,040,090	3,027,644	12,445	0.49%
Oct 15, 2017	3,038,481	3,043,565	-5,085	0.48%
Oct 16, 2017	3,045,183	3,027,846	17,337	0.61%
Oct 17, 2017	3,008,290	3,004,994	3,295	0.71%
Oct 18, 2017	3,025,363	3,001,159	24,204	0.57%
Oct 19, 2017	3,073,338	3,034,797	38,542	0.68%
Oct 20, 2017	3,128,436	3,097,611	30,825	0.73%
Oct 21, 2017	3,123,653	3,093,056	30,597	0.94%
Oct 22, 2017	3,135,414	3,119,041	16,373	0.53%
Oct 23, 2017	3,125,897	3,120,874	5,023	0.52%
Oct 24, 2017	3,129,563	3,104,702	24,862	0.53%
Oct 25, 2017	3,117,523	3,097,334	20,189	0.70%
Oct 26, 2017	3,113,205	3,084,129	29,076	0.59%
Oct 27, 2017	3,087,336	3,076,977	10,359	0.57%
Oct 28, 2017	3,051,303	3,044,217	7,086	0.56%
Oct 29, 2017	3,068,694	3,054,541	14,153	0.55%
Oct 30, 2017	3,076,638	3,071,121	5,517	0.54%
Oct 31, 2017	3,093,962	3,078,712	15,251	0.91%
Nov 1, 2017	3,078,559	3,052,093	26,466	0.66%
Nov 2, 2017	3,099,457	3,068,016	31,441	0.61%
Nov 3, 2017	3,087,912	3,051,420	36,492	0.62%
Nov 4, 2017	3,067,904	3,052,701	15,203	0.62%
Nov 5, 2017	3,060,822	3,034,158	26,664	0.66%
Nov 6, 2017	3,057,066	3,040,512	16,554	0.62%
Nov 7, 2017	3,070,513	3,047,000	23,513	0.61%
Nov 8, 2017	3,041,679	3,020,405	21,274	0.60%

Mine Unit 2 Wellfield Daily Flow Volumes				
Date	Recovery (gallons)	Injection (gallons)	Wellfield Net Bleed (gallons)	% Net Bleed
Nov 9, 2017	3,025,494	3,023,740	1,754	0.69%
Nov 10, 2017	3,064,275	3,023,281	40,994	0.69%
Nov 11, 2017	3,094,000	3,065,118	28,882	0.59%
Nov 12, 2017	3,096,790	3,060,304	36,486	0.59%
Nov 13, 2017	3,052,735	3,052,074	662	0.61%
Nov 14, 2017	3,063,063	3,078,517	-15,454	0.63%
Nov 15, 2017	3,067,675	3,084,460	-16,785	0.64%
Nov 16, 2017	3,035,132	3,050,773	-15,641	0.60%
Nov 17, 2017	3,056,640	3,060,418	-3,778	0.57%
Nov 18, 2017	3,041,413	3,043,993	-2,580	0.68%
Nov 19, 2017	3,030,739	3,045,525	-14,786	0.63%
Nov 20, 2017	1,135,134	1,330,269	-195,135	0.60%
Nov 21, 2017	1,000*	0*	0*	N/A
Nov 22, 2017	375,031	726,808	-351,777	1.37%
Nov 23, 2017	3,053,436	3,042,382	11,054	0.57%
Nov 24, 2017	3,007,569	2,987,979	19,590	0.63%
Nov 25, 2017	2,988,608	2,965,406	23,202	0.65%
Nov 26, 2017	2,959,082	2,952,436	6,646	0.64%
Nov 27, 2017	2,971,093	2,949,977	21,117	0.73%
Nov 28, 2017	2,807,096	2,795,179	11,917	0.73%
Nov 29, 2017	3,062,237	3,046,702	15,535	1.31%
Nov 30, 2017	3,042,849	3,016,529	26,319	1.34%
Dec 1, 2017	3,084,664	3,083,788	875	1.15%
Dec 2, 2017	3,097,096	3,085,551	11,546	1.07%
Dec 3, 2017	3,089,600	3,037,771	51,829	0.69%
Dec 4, 2017	3,065,588	3,011,390	54,198	0.81%
Dec 5, 2017	3,087,686	3,046,235	41,451	0.70%
Dec 6, 2017	3,056,155	3,014,991	41,164	0.64%
Dec 7, 2017	3,046,515	3,005,547	40,968	1.06%
Dec 8, 2017	3,043,099	2,996,738	46,361	0.74%
Dec 9, 2017	3,030,492	2,984,854	45,638	0.76%
Dec 10, 2017	3,047,466	2,986,637	60,829	0.87%
Dec 11, 2017	2,639,588	2,598,773	40,814	0.84%
Dec 12, 2017	3,090,414	3,054,324	36,090	0.68%
Dec 13, 2017	3,074,439	2,876,876	197,564	0.60%
Dec 14, 2017	3,057,978	3,076,518	-18,539	0.63%
Dec 15, 2017	3,054,877	3,083,128	-28,251	0.59%
Dec 16, 2017	3,049,712	3,093,988	-44,275	0.58%
Dec 17, 2017	3,012,698	3,066,189	-53,492	0.60%

Mine Unit 2 Wellfield Daily Flow Volumes				
Date	Recovery (gallons)	Injection (gallons)	Wellfield Net Bleed (gallons)	% Net Bleed
Dec 18, 2017	3,014,897	3,053,983	-39,086	0.57%
Dec 19, 2017	2,977,738	3,033,786	-56,047	0.61%
Dec 20, 2017	2,953,096	2,985,647	-32,550	0.59%
Dec 21, 2017	2,935,701	2,980,474	-44,773	0.63%
Dec 22, 2017	2,939,719	3,011,379	-71,661	0.60%
Dec 23, 2017	2,934,386	3,009,152	-74,766	0.60%
Dec 24, 2017	2,930,284	3,002,545	-72,261	0.62%
Dec 25, 2017	2,915,889	2,980,798	-64,909	0.61%
Dec 26, 2017	2,911,402	2,828,828	82,574	0.63%
Dec 27, 2017	2,922,975	2,885,164	37,811	0.71%
Dec 28, 2017	2,453,226	2,635,040	-181,814	0.75%
Dec 29, 2017	2,938,496	2,972,356	-33,860	0.52%
Dec 30, 2017	2,937,653	2,987,089	-49,436	0.58%
Dec 31, 2017	2,923,567	2,975,597	-52,029	0.60%
Total	268,278,126	268,207,573	70,554	0.62%

* Plant shut down, recovery flow is attributed to swabbing recovered from the wellfields.