



April 30, 2015

Department of Environmental Quality – Land Quality Division
District III Supervisor
2100 West 5th Street
Sheridan, WY 82801

Attn: Document Control Desk
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Office of Federal and State Materials and Environmental Management Programs,
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Office of Federal and State Materials and Environmental Management Protection
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Re: Uranerz Energy Corporation Nichols Ranch ISR Project, WDEQ-LQD Permit to Mine No. 778
and NRC SUA-1597 Quarterly Report

Dear Mr. Rogaczewski and Mr. Persinko,

Uranerz Energy Corporation (Uranerz) submitted the 1st Quarter 2015 report under cover letter dated April 29, 2015. Uranerz found pages that needed correction and is providing a complete replacement report to supersede the 1st Quarter 2015 Report dated April 29, 2015.

Pursuant to the Permit to Mine No. 778 and SUA-1597 License Condition 11.1, quarterly reporting is required. A comparison of quarterly reporting requirements between Wyoming Department of Environmental Quality – Land Quality Division (WDEQ-LQD) permit and the NRC License SUA-1597 shows similar reporting requirements. Uranerz has therefore, in an effort to reduce redundant reporting and our environmental footprint with duplicate paper copies, combined the WDEQ-LQD quarterly report with the NRC License SUA-1597 quarterly report. It is worth noting that the report format more closely follows the WDEQ-LQD Chapter 11 Section 15 requirement list.

If you have any questions regarding the provided information, please contact me at 307-265-8900 or by email at mthomas@uranerz.com.

Sincerely,



Michael P. Thomas
Vice President Regulatory and Public Affairs
Uranerz Energy Corporation

MT/th

Attachments

1st Quarter 2015 Report

cc: Dorrان Larner, Project Manager, WDEQ-LQD (via email)
Ron Linton, Project Manager, NRC (via email)
Linda Gersey, Lead Inspector, NRC (via email)



1st Quarter 2015 Report

Nichols Ranch ISR Project
WDEQ-LQD Permit to Mine No. 778
and
NRC License SUA-1597

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1.0 Introduction

Uranerz Energy Corporation (Uranerz) received its Wyoming Department of Environmental Quality – Land Quality Division (WDEQ-LQD) Permit to Mine No. 778 on December 29, 2010. On July 19, 2011 Source Material License SUA-1597 was issued to Uranerz by the Nuclear Regulatory Commission (NRC). Quarterly reports are required by WDEQ-LQD Non-Coal Rules and Regulations Chapter 11, Section 15 and NRC License SUA-1597 Condition 11.1.

The following highlights Uranerz activities during the quarter:

Nichols Ranch Unit

- Production continues in Production Area #1 (PA #1) in header houses 1 through 4.
- Delineation drilling occurred during the 1st quarter in PA#1. The drill holes provide additional information for production activities. A separate report will be submitted for delineation drilling.
- Header house 6 area is being constructed and developed.
- New well installation did occur during the quarter. Well completion details are available at the mine site and are provided in the annual report to the WDEQ-LQD.

Hank Unit

- No activities took place at the Hank Unit.
- The Environmental Assessment (EA) submitted to the Buffalo Wyoming Bureau of Land Management (BLM) office pending approval. Approval has been delayed due to the BLM Section 106 consultation process which must be completed in order to approve the EA.

2.0 Monitoring

2.1 Injection Fluid Characteristics

A typical lixiviant solution is provided in Table 3c of the WDEQ-LQD Mine Plan with representative concentration ranges that could be found in the lixiviant. If changes occur to the ranges, Uranerz committed to updating the table in the annual report. Additionally, WDEQ-LQD Chapter 11, Section 14(a)(ii)(A) Non Coal Rules and Regulations 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 January, February, and March 2015 based on a grab sample collected during each month and submitted to a third party laboratory for analysis.

Table 1: Injection Fluid Composition				
Parameter	Permit Value Range	January 2015	February 2015	March 2015
Calcium (mg/L)	20-500	83	129	136
Chloride (mg/L)	200-5000	113	112	99
Carbonate as CO ₃ (mg/L)	1-2500	14	Not Detected	Not Detected
Bicarbonate as HCO ₃ (mg/L)	400-5000	872	1410	1330
Potassium (mg/L)	15-300	11	10	10
Magnesium (mg/L)	3-100	17	16	16
Manganese (mg/L)	0.01-50	Not Detected	0.15	0.19
Sodium (mg/L)	400-6000	481	582	552
Sulfate (mg/L)	400-5000	367	350	348
TDS @ 180 (mg/L)	1500-12000	1600	1830	1900
U ₃ O ₈ (mg/L)	0.01-500	0.18	0.16	0.29
V ₂ O ₅ (mg/L)	0.01-100	0.61	0.88	0.86

2.2 Injection Pressure and Flow Volumes (Class III Wells)

According to WDEQ-LQD 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. Uranerz monitors these injection pressure and flow rates by header house. At this time, operations is occurring in header houses 1 through 4.

Table 2 is a tabulation of the maximum weekly injection pressures. The Uranerz system continuously records injection pressure via electronic instrumentation at the header houses. Readings are recorded by the millisecond. The maximum pressure for Nichols Ranch is 150 psi.

Table 2: Weekly Maximum Injection Pressure				
Week Ending	Header House 1	Header House 2	Header House 3	Header House 4
January 04, 2015	140	79	116	108
January 11, 2015	139	84	122	108
January 18, 2015	140	107	115	140
January 25, 2015	134	77	119	120
February 01, 2015	135	62	120	120
February 08, 2015	136	80	118	128
February 15, 2015	136	55	115	85

Table 2: Weekly Maximum Injection Pressure continued

Week Ending	Header House 1	Header House 2	Header House 3	Header House 4
February 22, 2015	137	42	115	59
March 01, 2015	135	59	108	67
March 08, 2015	137	48	125	84
March 15, 2015	132	40	112	74
March 22, 2015	132	58	109	68
March 29, 2015	131	52	107	63

Flow rates are also continuously recorded via electronic instrumentation at the header houses. Table 3 is a tabulation of the production, injection, and bleed flow volumes for the quarter. The average bleed rate for the period was 1.0%.

Table 3: Wellfield Weekly Flow Volumes

Production Area #1				
Week Ending	Recovery (gallons)	Injection (gallons)	Wellfield Bleed (gallons)	% Bleed
January 04, 2015	13,855,900	13,763,900	92,000	0.7%
January 11, 2015	13,923,700	13,783,600	140,100	1.0%
January 18, 2015	13,607,300	13,474,900	132,400	1.0%
January 25, 2015	13,919,350	13,772,550	146,800	1.1%
February 01, 2015	14,101,050	13,985,750	115,300	0.8%
February 08, 2015	14,848,050	14,677,550	170,500	1.1%
February 15, 2015	15,257,650	15,094,500	163,150	1.1%
February 22, 2015	15,395,100	15,254,400	140,700	0.9%
March 01, 2015	15,968,100	15,851,750	116,350	0.7%
March 08, 2015	15,507,550	15,345,500	162,050	1.0%
March 15, 2015	15,814,300	15,612,850	201,450	1.3%
March 22, 2015	15,824,300	15,598,550	225,750	1.4%
March 29, 2015	16,020,050	15,850,800	169,250	1.4%
Totals	194,042,400	192,066,600	1,975,800	1.0%

2.3 Monitor Well Sampling Results

Monitor well sampling is performed during operation to detect and correct conditions leading to a potential excursion. Monitor well sampling and analysis is performed according to the WDEQ-LQD Mine Plan, Volume VIII, Section 3.14.7.8.10 and the NRC 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 Upper Control Limit (UCL) parameters chloride, conductivity, and alkalinity.

Monitor well sampling in PA#1 continued during the period. All ring, overlying and underlying monitor wells were sampled. Results for each well have been tabulated and are enclosed in Appendix A. The overlying monitor well MON-11 showed increasing conductivity values of interest, which are being investigated at this time.

2.3.1 Excursion Status

Based on the water quality reports and analysis there were no excursions which required reporting during this quarter.

3.0 Mechanical Integrity Testing

The WDEQ-LQD Permit to Mine No. 778 requires mechanical integrity test (MIT) results, for wells, to be reported quarterly. NRC License Condition 11.1B requires a summary of MIT results semi-annually; however, the MIT information remains the same regardless of the reporting timeframe. Uranerz will therefore report the results quarterly. The MIT procedure is followed pursuant to Section 3.6 of WDEQ-LQD Mine Plan, Volume VIII and NRC License Application Volume I, Section 3.4. Results of the MITs are maintained on site and include the signature of the individual responsible for conducting the test.

Fifty-four (54) Class III wells were tested for mechanical integrity during the report period and the MIT results are attached as Table 4. Wells testing with a pressure at or below 10% in a 10-minute timeframe have passed the MIT. Four wells failed MIT: N1C-052, N1C-046, N1C-057 and N1C-034. The wells were plugged and abandoned at the beginning of the 2nd quarter and will be included in the LQD 2nd quarter report.

The format of column designations in Table 4 was established based on WDEQ-LQD criteria. The first column is a simple line designation for ease in review.

4.0 Defective Wells, Well Repair and Plugging

Per Chapter 11, Section 8(c), a well lacking mechanical integrity must be plugged if it cannot be repaired. As mentioned above in Section 3.0, wells N1C-052, N1C-046, N1C-057 and N1C-034 failed MIT this quarter. The wells were plugged during the preparation of this report and will be reported as such in the 2nd quarter. As reported in the 4th quarter 2014, wells N1C-054-1 and N1C-032 were reported as having failed MIT. Both wells were abandoned during the preparation of this report and will be reported as such in the 2nd Quarter 2015 report.

Plugging and abandonment of wells is performed in accordance with Permit to Mine No. 778, Volume VIII, Mine Plan Section 3.8, and in accordance with Wyoming Statute 35-11-404 (described in NRC

License Application Volume I Section 6.1). Well abandonment reports will be submitted in the WDEQ-LQD Annual Report as required by Permit to Mine No. 778.

5.0 Certification

Certification is required by WDEQ-LQD Non-Coal Rules and Regulations Chapter 11, Section 2(g). 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 P. Thomas
Vice President Regulatory and Public Affairs
Uranerz Energy Corporation

Table 4: Mechanical Integrity Tests
WDEQ - Quarterly Report/1st QTR 2015
MITs for Nichols Ranch Production



#	Well Name	Date Tested	Casing Type	Bottom Casing (top of completion ft)	Lower Packer Depth (feet)	Initial Pressure (psi)	Final Pressure (psi)	Pressure Loss (net)	Next Test Date	Pass-Fail
1	N1C-035	01/02/2015	PVC	627	600	180	164	16	01/02/2020	PASS
2	N1A-057	01/15/2015	PVC	567	550	180	164	16	01/15/2020	PASS
3	N1A-090	01/15/2015	PVC	573	550	180	169	11	01/15/2020	PASS
4	N1C-031	01/15/2015	PVC	658	610	180	164	16	01/15/2020	PASS
5	N1C-052	01/16/2015	PVC	686	660	180	161	19	01/16/2020	FAIL
6	N1C-060-1	01/16/2015	PVC	616	590	180	171	9	01/16/2020	PASS
7	N1C-051	01/19/2015	PVC	691	670	180	169	11	01/19/2020	PASS
8	N1C-046-1	01/20/2015	PVC	680	640	180	174	6	01/20/2020	PASS
9	N1C-055	01/20/2015	PVC	647	620	180	171	9	01/20/2020	PASS
10	N1C-034-1	01/21/2015	PVC	654	630	180	166	14	01/21/2020	PASS
11	N1C-045	01/21/2015	PVC	637	610	180	166	14	01/21/2020	PASS
12	N1C-046	01/21/2015	PVC	681	610			0	01/21/2020	FAIL
13	N1C-047	01/22/2015	PVC	681	660	180	166	14	01/22/2020	PASS
14	N1C-057	01/22/2015	PVC	666	610	180	161	19	01/22/2020	FAIL
15	N1C-032-1	01/27/2015	PVC	621	600	180	163	17	01/27/2020	PASS
16	N1C-054-2	01/27/2015	PVC	629	600	180	171	9	01/27/2020	PASS
17	N1C-058	01/27/2015	PVC	596	570	180	164	16	01/27/2020	PASS
18	N1C-061	01/27/2015	PVC	605	580	180	174	6	01/27/2020	PASS
19	N1C-053	01/28/2015	PVC	622	640	180	172	8	01/28/2020	PASS
20	N1C-056	01/28/2015	PVC	610	590	180	167	13	01/28/2020	PASS
21	N1C-057-1	01/28/2015	PVC	666	640	180	164	16	01/28/2020	PASS
22	N1C-030	02/13/2015	PVC	616	600	180	176	4	02/13/2020	PASS
23	CK046	03/04/2015	PVC	680	350	180	164	16	03/04/2020	PASS
24	N1C-052-1	03/04/2015	PVC	685	350	180	167	13	03/04/2020	PASS
25	CK047	03/10/2015	PVC	529	350	180	164	16	03/10/2020	PASS
26	CL050	03/10/2015	PVC	599	350	180	168	12	03/10/2020	PASS
27	CL051	03/10/2015	PVC	604	350	180	170	10	03/10/2020	PASS

Table 4: Mechanical Integrity Tests
WDEQ - Quarterly Report/1st QTR 2015
MITs for Nichols Ranch Production



#	Well Name	Date Tested	Casing Type	Bottom Casing (top of completion ft)	Lower Packer Depth (feet)	Initial Pressure (psi)	Final Pressure (psi)	Pressure Loss (net)	Next Test Date	Pass-Fail
28	CO048	03/10/2015	PVC	601	350	180	169	11	03/10/2020	PASS
29	CO047	03/11/2015	PVC	608	350	180	174	6	03/11/2020	PASS
30	CP044	03/11/2015	PVC	601	350	180	168	12	03/11/2020	PASS
31	CP046	03/11/2015	PVC	613	350	180	165	15	03/11/2020	PASS
32	CP048	03/11/2015	PVC	607	350	180	169	11	03/11/2020	PASS
33	CQ047	03/12/2015	PVC	603	350	164	164	0	03/12/2020	PASS
34	MPN-08-1	03/17/2015	PVC	572	350	180	164	16	03/17/2020	PASS
35	N1C-034	03/17/2015	PVC	668	350	180	161	19	03/17/2020	FAIL
36	CV057	03/19/2015	PVC	567	350	180	168	12	03/19/2020	PASS
37	CW056	03/19/2015	PVC	572	350	180	167	13	03/19/2020	PASS
38	CW058	03/19/2015	PVC	559	350	180	167	13	03/19/2020	PASS
39	CW060	03/19/2015	PVC	555	350	180	167	13	03/19/2020	PASS
40	CU059	03/23/2015	PVC	577	350	180	169	11	03/23/2020	PASS
41	CU061	03/23/2015	PVC	567	350	180	167	13	03/23/2020	PASS
42	CU063	03/23/2015	PVC	573	350	180	170	10	03/23/2020	PASS
43	CU056	03/24/2015	PVC	579	350	180	162	18	03/24/2020	PASS
44	CU058	03/24/2015	PVC	570	350	180	169	11	03/24/2020	PASS
45	CT052	03/25/2015	PVC	585	350	180	169	11	03/25/2020	PASS
46	CT053	03/25/2015	PVC	516	350	180	169	11	03/25/2020	PASS
47	CW061	03/25/2015	PVC	568	350	180	167	13	03/25/2020	PASS
48	CQ051	03/26/2015	PVC	593	350	180	165	15	03/26/2020	PASS
49	CT054B	03/26/2015	PVC	602	350	180	167	13	03/26/2020	PASS
50	CL048	03/30/2015	PVC	601	580	180	168	12	03/30/2020	PASS
51	CO045	03/30/2015	PVC	604	570	180	168	12	03/30/2020	PASS
52	CO046	03/30/2015	PVC	582	560	180	168	12	03/30/2020	PASS
53	CR049	03/31/2015	PVC	602	580	180	164	16	03/31/2020	PASS
54	CZ059	03/31/2015	PVC	527	490	180	175	5	03/31/2020	PASS



Appendix A

**Nichols Ranch ISR Project
WDEQ-LQD Permit to Mine No. 778
and
NRC License SUA-1597**

Appendix A

Production Area 1 Well ID MON-01		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		

Date

01/13/2015	7	515	115	8.2	4,640.6
01/27/2015	7	533	115	8.1	4,640.8
02/09/2015	7	532	114	8.5	4,639.4
02/23/2015	7	524	115	7.8	4,640.5
03/09/2015	8	538	114	8.3	4,640.6
03/25/2015	7	542	115	8.1	4,640.5

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MON-02		Nichols Ranch		1st QTR 2015	
PERIMETER, OVER AND UNDER MONITOR WELLS					
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		

Date

01/12/2015	7	529	114	8.7	4,646.5
01/27/2015	7	526	113	8.7	4,646.9
02/09/2015	7	533	115	8.5	4,646.7
02/23/2015	7	529	115	8.3	4,646.7
03/09/2015	7	539	113	8.6	4,646.7
03/24/2015	7	507	110	8.3	4,646.1

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MON-03		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		

Date

01/12/2015	6	519	128	8.3	4,647.1
01/26/2015	8	524	116	8.5	4,647.5
02/10/2015	7	529	117	8.3	4,647.3
02/23/2015	7	528	115	8.1	4,647.4
03/09/2015	7	537	113	8.4	4,647.5
03/24/2015	7	530	114	8.1	4,647.0

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MON-04		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		

Date

01/07/2015	7	494	113	8.8	4,657.0
01/26/2015	8	516	115	8.6	4,652.6
02/09/2015	7	508	114	8.5	4,652.7
02/25/2015	7	498	114	8.5	4,637.2
03/09/2015	7	511	112	8.6	4,652.6
03/24/2015	7	510	113	8.3	4,652.4

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MON-05		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		

Date

01/12/2015	7	541	111	8.8	4,654.0
01/26/2015	8	543	113	8.7	4,654.3
02/09/2015	7	539	112	8.6	4,654.5
02/23/2015	7	528	113	8.6	4,654.0
03/09/2015	7	512	113	8.7	4,654.4
03/24/2015	7	553	112	8.6	4,654.4

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MON-06		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		

Date

01/07/2015	6	539	114	8.7	4,659.3
01/26/2015	8	535	114	8.3	4,655.2
02/09/2015	7	540	113	8.1	4,655.3
02/23/2015	7	537	115	8.2	4,655.4
03/09/2015	7	539	116	8.3	4,655.3
03/23/2015	7	511	113	8.3	4,655.3

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MON-07		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		

Date

01/08/2015	7	535	114	8.7	4,660.4
01/19/2015	7	522	116	8.7	4,656.1
02/09/2015	7	544	114	8.6	4,656.9
02/23/2015	7	540	115	8.2	4,656.3
03/10/2015	7	522	113	8.9	4,656.2
03/23/2015	7	548	114	8.5	4,656.3

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MON-08		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		

Date

01/08/2015	7	537	113	8.3	4,659.4
01/19/2015	7	518	113	8.5	4,659.4
02/09/2015	7	545	113	8.4	4,659.7
02/23/2015	7	543	113	8.3	4,660.9
03/09/2015	7	551	113	8.8	4,660.3
03/23/2015	7	551	112	8.6	4,659.9

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MON-09		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		

Date

01/08/2015	6	539	114	8.3	4,660.9
01/21/2015	7	549	116	8.4	4,660.8
02/05/2015	7	552	114	8.1	4,661.5
02/25/2015	7	543	116	8.0	4,656.2
03/06/2015	6	573	124	8.2	4,661.7
03/18/2015	8	551	114	8.0	4,661.9

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MON-10		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		

Date

01/07/2015	6	525	112	8.2	4,662.7
01/21/2015	7	557	113	8.2	4,662.7
02/05/2015	6	523	112	8.0	4,663.2
02/19/2015	7	545	112	8.0	4,663.4
03/04/2015	7	522	111	8.1	4,663.5
03/18/2015	7	569	110	8.1	4,663.8

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MON-11		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		

Date

01/07/2015	6	664	110	8.3	4,663.1
01/21/2015	7	684	110	8.1	4,663.0
02/05/2015	6	683	108	8.0	4,663.7
02/18/2015	7	689	107	8.0	4,664.1
03/04/2015	6	708	106	8.0	4,664.4
03/18/2015	6	789 *	102	8.0	4,664.4

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MON-12		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		

Date

01/07/2015	6	612	110	8.1	4,664.8
01/21/2015	7	610	112	8.0	4,664.9
02/05/2015	7	603	110	8.1	4,664.9
02/20/2015	7	534	113	7.7	4,665.7
03/06/2015	6	648	118	8.0	4,665.7
03/18/2015	7	637	106	8.0	4,666.2

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MON-13		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		

Date

01/07/2015	7	564	115	8.2	4,663.5
01/21/2015	7	563	115	8.0	4,663.4
02/05/2015	6	557	114	8.0	4,663.7
02/19/2015	7	552	115	7.9	4,663.8
03/06/2015	6	586	122	8.0	4,663.9
03/18/2015	7	577	112	8.0	4,664.1

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-01		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/05/2015	8	536	115	8.9	4,592.0
01/20/2015	7	551	117	8.8	4,576.2
02/02/2015	7	537	116	8.6	4,577.9
02/17/2015	7	539	117	8.6	4,576.2
03/02/2015	7	542	118	8.7	4,586.3
03/16/2015	7	543	116	8.6	4,573.9

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MRN-02-2		Nichols Ranch		1st QTR 2015	
		PERIMETER, OVER AND UNDER			
		MONITOR WELLS			
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/05/2015	9	554	117	8.5	4,593.1
01/20/2015	7	569	119	8.5	4,577.2
02/02/2015	8	556	120	8.2	4,577.3
02/17/2015	9	560	118	8.1	4,569.9
03/02/2015	8	560	117	8.3	4,574.6
03/16/2015	7	564	114	8.4	4,564.7

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MRN-03-2		Nichols Ranch		1st QTR 2015	
PERIMETER, OVER AND UNDER MONITOR WELLS					
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/05/2015	9	565	115	8.8	4,596.9
01/20/2015	8	578	116	8.6	4,582.0
02/02/2015	7	561	115	8.5	4,583.2
02/17/2015	8	562	116	8.3	4,571.3
03/02/2015	8	565	115	8.5	4,569.9
03/16/2015	7	571	113	8.7	4,561.8

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-04		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/05/2015	8	565	114	8.7	4,615.8
01/20/2015	7	578	114	8.6	4,611.9
02/02/2015	7	565	114	8.5	4,617.3
02/17/2015	7	568	116	8.4	4,600.3
03/02/2015	8	568	114	8.4	4,593.0
03/16/2015	7	574	114	8.6	4,585.7

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-05		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/05/2015	8	558	113	8.7	4,622.5
01/20/2015	7	581	114	8.5	4,622.7
02/02/2015	7	565	112	8.3	4,627.8
02/17/2015	8	568	112	8.3	4,608.2
03/02/2015	8	569	113	8.3	4,614.2
03/16/2015	7	570	111	8.5	4,610.2

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-06		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/05/2015	8	560	111	8.8	4,627.7
01/21/2015	8	544	112	8.7	4,628.7
02/02/2015	7	564	112	8.5	4,631.3
02/17/2015	8	569	114	8.4	4,625.3
03/02/2015	8	570	113	8.4	4,624.1
03/16/2015	7	579	111	8.6	4,619.1

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-07		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/05/2015	8	559	114	8.7	4,633.5
01/21/2015	7	564	114	8.6	4,633.5
02/02/2015	7	561	113	8.4	4,634.7
02/18/2015	8	572	112	8.5	4,633.3
03/02/2015	8	571	114	8.3	4,628.6
03/16/2015	7	581	115	8.5	4,624.9

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-08		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/05/2015	8	565	112	8.4	4,636.2
01/19/2015	7	555	112	8.3	4,639.5
02/02/2015	7	551	113	8.3	4,640.1
02/17/2015	7	574	113	8.3	4,640.3
03/02/2015	8	548	114	8.2	4,639.3
03/16/2015	7	550	113	8.2	4,635.3

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-09		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/05/2015	8	570	112	8.4	4,640.0
01/19/2015	7	553	112	8.3	4,642.5
02/02/2015	7	569	112	8.2	4,643.5
02/17/2015	8	576	112	8.4	4,644.2
03/02/2015	7	569	112	8.1	4,643.2
03/16/2015	7	575	112	8.2	4,639.5

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-10		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/05/2015	7	561	112	8.4	4,643.4
01/19/2015	7	550	111	8.2	4,645.5
02/02/2015	7	566	112	8.2	4,646.5
02/17/2015	7	574	112	8.3	4,647.4
03/02/2015	7	566	113	8.1	4,646.7
03/16/2015	7	571	112	8.2	4,643.4

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-11		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/05/2015	8	561	107	8.4	4,647.0
01/19/2015	7	587	108	8.3	4,648.5
02/02/2015	7	569	107	8.2	4,660.4
02/17/2015	8	575	108	8.3	4,650.3
03/02/2015	8	569	108	8.2	4,650.0
03/16/2015	7	579	106	8.4	4,647.3

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-12		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/05/2015	7	557	116	8.4	4,650.8
01/19/2015	8	545	118	8.2	4,652.0
02/02/2015	7	572	117	8.1	4,652.9
02/17/2015	7	578	118	8.1	4,653.7
03/02/2015	8	572	119	8.1	4,653.4
03/16/2015	7	579	116	8.1	4,651.4

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-13		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/05/2015	7	533	117	8.3	4,654.6
01/19/2015	7	547	120	8.2	4,655.3
02/02/2015	7	574	119	8.1	4,656.2
02/17/2015	7	582	120	8.1	4,656.6
03/02/2015	7	574	120	8.1	4,656.8
03/16/2015	7	581	119	8.1	4,655.0

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-14		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/06/2015	7	542	120	8.4	4,654.3
01/19/2015	8	544	120	8.3	4,657.9
02/02/2015	7	575	119	8.2	4,658.0
02/18/2015	7	569	118	8.2	4,659.1
03/02/2015	7	577	119	8.3	4,659.4
03/16/2015	7	588	118	8.2	4,655.6

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-15		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/06/2015	6	554	123	8.2	4,656.4
01/20/2015	7	578	122	8.2	4,656.0
02/02/2015	7	567	121	8.1	4,657.7
02/18/2015	7	560	122	8.0	4,658.1
03/02/2015	7	569	124	8.1	4,658.6
03/16/2015	6	575	121	8.2	4,658.3

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-16		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

<u>Date</u>					
01/06/2015	6	547	121	8.2	4,659.5
01/20/2015	7	570	121	8.1	4,659.6
02/03/2015	7	536	120	8.2	4,660.1
02/18/2015	7	558	121	8.0	4,660.7
03/02/2015	7	561	121	8.0	4,661.0
03/17/2015	7	555	121	8.3	4,659.7

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-17		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/06/2015	7	531	123	8.2	4,658.8
01/20/2015	7	551	122	8.1	4,659.1
02/03/2015	6	534	120	8.0	4,659.5
02/18/2015	7	541	123	7.9	4,662.5
03/04/2015	6	529	121	8.0	4,659.9
03/17/2015	7	541	121	8.0	4,659.3

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MRN-18-1		Nichols Ranch		1st QTR 2015	
PERIMETER, OVER AND UNDER MONITOR WELLS					
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/06/2015	6	535	119	8.1	4,655.7
01/20/2015	7	558	119	8.1	4,655.9
02/03/2015	6	536	118	8.2	4,656.6
02/18/2015	7	546	119	8.0	4,657.3
03/04/2015	6	536	118	8.1	4,656.8
03/17/2015	7	543	119	8.0	4,656.2

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MRN-20-1		Nichols Ranch		1st QTR 2015	
PERIMETER, OVER AND UNDER MONITOR WELLS					
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/06/2015	6	524	119	8.5	4,655.6
01/20/2015	7	547	119	8.3	4,653.2
02/03/2015	6	530	119	8.2	4,656.9
02/19/2015	7	524	119	8.3	4,657.3
03/04/2015	7	535	120	8.2	4,655.7
03/17/2015	7	536	119	8.2	4,656.1

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-21		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/07/2015	7	539	120	8.1	4,652.7
01/21/2015	7	531	118	8.2	4,653.3
02/05/2015	7	530	118	8.1	4,654.6
02/20/2015	7	597	111	8.0	4,655.1
03/18/2015	7	543	119	8.1	4,653.4
03/06/2015	6	552	135	8.1	4,746.9
03/06/2015	6	552	135	8.1	4,654.2

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-22		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/06/2015	6	514	117	8.3	4,650.1
01/20/2015	7	543	118	8.2	4,651.1
02/05/2015	7	528	117	8.1	4,652.0
02/19/2015	7	523	117	8.1	4,652.9
03/04/2015	7	528	119	8.3	4,652.3
03/17/2015	7	548	117	8.2	4,650.7

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-23		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

<u>Date</u>					
01/06/2015	7	526	120	8.2	4,647.4
01/20/2015	7	550	120	8.2	4,648.7
02/05/2015	7	535	118	8.2	4,645.3
02/19/2015	7	535	119	8.0	4,649.8
03/04/2015	7	537	119	8.1	4,647.2
03/17/2015	6	548	117	8.1	4,647.5

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-24		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/07/2015	6	534	120	8.4	4,646.4
01/21/2015	7	537	120	8.5	4,645.4
02/05/2015	6	537	119	8.5	4,647.0
02/19/2015	7	514	120	8.0	4,647.8
03/04/2015	6	531	120	8.3	4,640.7
03/17/2015	7	547	120	8.1	4,643.7

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MRN-25		Nichols Ranch		1st QTR 2015	
PERIMETER, OVER AND UNDER MONITOR WELLS					
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/06/2015	7	523	115	8.8	4,643.3
01/21/2015	7	524	116	8.4	4,641.2
02/05/2015	7	534	117	8.4	4,642.8
02/20/2015	7	504	121	8.3	4,642.3
03/05/2015	6	516	116	8.5	4,641.5
03/18/2015	7	546	117	8.3	4,635.4

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-26		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

<u>Date</u>					
01/06/2015	6	508	125	8.7	4,637.8
01/21/2015	7	510	123	8.3	4,637.2
02/05/2015	7	522	123	8.5	4,637.2
02/20/2015	7	512	117	8.1	4,638.9
03/05/2015	7	505	122	8.4	4,637.2
03/18/2015	7	530	122	8.2	4,631.0

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-27		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/02/2015	7	521	118	7.5	4,628.6
01/13/2015	7	514	120	8.3	4,630.0
02/05/2015	7	537	120	8.3	4,632.8
02/19/2015	7	531	121	8.1	4,636.4
03/04/2015	7	528	120	8.3	4,635.1
03/17/2015	7	539	121	8.3	4,627.0

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MRN-28		Nichols Ranch		1st QTR 2015	
PERIMETER, OVER AND UNDER MONITOR WELLS					
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/02/2015	7	517	120	7.6	4,625.5
01/13/2015	7	520	117	8.3	4,625.1
02/05/2015	7	540	118	8.4	4,626.5
02/19/2015	7	531	119	8.3	4,634.4
03/04/2015	6	530	117	8.4	4,634.2
03/17/2015	7	538	118	8.3	4,622.7

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MRN-29		Nichols Ranch		1st QTR 2015	
PERIMETER, OVER AND UNDER MONITOR WELLS					
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/07/2015	7	524	118	8.6	4,625.0
01/21/2015	7	526	119	8.6	4,631.3
02/05/2015	7	539	119	8.6	4,621.6
02/19/2015	7	529	119	8.2	4,632.9
03/04/2015	7	525	119	8.2	4,632.5
03/17/2015	7	532	118	8.3	4,614.6

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MRN-30		Nichols Ranch		1st QTR 2015	
PERIMETER, OVER AND UNDER MONITOR WELLS					
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/06/2015	6	509	119	8.8	4,616.7
01/19/2015	7	482	119	8.7	4,617.4
02/03/2015	7	520	119	8.5	4,614.4
02/19/2015	7	526	120	8.3	4,617.1
03/04/2015	7	524	119	8.4	4,611.9
03/17/2015	7	529	119	8.5	4,595.2

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MRN-31		Nichols Ranch		1st QTR 2015	
PERIMETER, OVER AND UNDER MONITOR WELLS					
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/06/2015	7	501	120	8.9	4,617.3
01/19/2015	7	473	120	8.9	4,615.2
02/03/2015	7	510	119	8.6	4,611.0
02/18/2015	7	493	122	8.6	4,613.9
03/04/2015	7	512	122	8.7	4,601.1
03/17/2015	6	519	122	8.8	4,599.1

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-32		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

<u>Date</u>					
01/06/2015	6	503	118	8.7	4,610.4
01/19/2015	7	472	119	8.7	4,606.2
02/03/2015	7	514	118	8.5	4,602.0
02/18/2015	7	507	120	8.4	4,605.7
03/04/2015	7	510	119	8.4	4,601.2
03/17/2015	7	516	120	8.6	4,596.3

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-33		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/06/2015	6	508	118	8.9	4,599.7
01/19/2015	7	482	119	8.8	4,593.8
02/03/2015	6	521	117	8.6	4,601.6
02/18/2015	7	515	118	8.5	4,600.9
03/02/2015	7	523	118	8.5	4,712.6
03/17/2015	6	522	119	9.1	4,596.4

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MRN-34-2		Nichols Ranch		1st QTR 2015	
PERIMETER, OVER AND UNDER MONITOR WELLS					
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		

Date

01/06/2015	7	523	116	8.7	4,602.9
01/19/2015	7	498	117	8.6	4,591.3
02/03/2015	7	533	113	8.4	4,591.9
02/18/2015	7	528	114	8.4	4,592.5
03/02/2015	7	534	114	8.3	4,597.7
03/16/2015	7	537	114	8.5	4,597.0

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MUN-01-1		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		

Date

01/13/2015	5	373	198	8.5	4,632.0
01/27/2015	6	388	198	8.4	4,632.4
02/09/2015	6	383	200	8.1	4,634.9
02/23/2015	6	384	199	8.6	4,632.0
03/09/2015	6	395	199	8.7	4,632.8
03/25/2015	5	401	196	8.4	4,631.1

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MUN-02		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		

Date

01/12/2015	5	387	201	8.9	4,633.1
01/27/2015	6	394	203	8.9	4,632.2
02/09/2015	5	399	202	8.8	4,632.2
02/23/2015	6	396	203	8.7	4,632.1
03/09/2015	6	402	201	8.8	4,617.0
03/24/2015	6	396	202	8.4	4,631.5

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MUN-03		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		

Date

01/13/2015	5	375	197	8.8	4,632.4
01/26/2015	7	383	198	8.8	4,632.5
02/10/2015	6	388	197	8.6	4,632.1
02/23/2015	6	380	198	8.5	4,631.8
03/09/2015	6	391	195	8.7	4,631.3
03/24/2015	6	385	199	8.3	4,631.3

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MUN-04		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		

<u>Date</u>					
01/07/2015	4	408	221	8.7	4,638.0
01/26/2015	5	425	221	8.7	4,632.7
02/09/2015	5	419	219	8.5	4,632.9
02/23/2015	5	413	221	8.3	4,647.8
03/09/2015	5	428	221	8.6	4,631.7
03/24/2015	4	425	220	8.2	4,631.3

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MUN-05-1		Nichols Ranch		1st QTR 2015	
PERIMETER, OVER AND UNDER MONITOR WELLS					
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		

Date

01/12/2015	5	365	195	8.5	4,633.1
01/26/2015	6	369	196	8.4	4,632.7
02/09/2015	5	378	197	8.2	4,633.0
02/23/2015	6	378	196	8.2	4,632.2
03/09/2015	5	382	196	8.4	4,632.6
03/24/2015	5	386	196	8.4	4,631.8

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MUN-06		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		

Date

01/07/2015	5	375	195	8.8	4,634.4
01/26/2015	6	368	196	8.5	4,632.8
02/09/2015	5	376	194	8.2	4,632.6
02/23/2015	6	379	195	8.4	4,632.4
03/09/2015	6	388	194	8.3	4,632.1
03/23/2015	6	378	195	8.3	4,631.9

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MUN-07		Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS		Quarterly Report 1st QTR 2015	
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		

Date

01/08/2015	6	372	178	9.1	4,638.0
01/19/2015	5	355	179	8.9	4,633.2
02/09/2015	5	375	179	8.5	4,632.8
02/23/2015	6	377	178	8.4	4,632.5
03/10/2015	6	369	178	8.9	4,631.8
03/23/2015	10	383	178	8.6	4,632.0

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MUN-08		Nichols Ranch		1st QTR 2015	
PERIMETER, OVER AND UNDER MONITOR WELLS					
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		

Date

01/08/2015	5	356	179	8.5	4,633.8
01/19/2015	6	338	180	8.5	4,634.0
02/09/2015	6	360	179	8.6	4,633.8
02/23/2015	6	344	121	8.3	4,633.8
03/10/2015	5	357	178	8.6	4,632.8
03/23/2015	6	364	177	8.4	4,632.6

*Value Exceeds Upper Control Limit

Production Area 1		Uranerz Energy Corporation		Quarterly Report	
Well ID MUN-09		Nichols Ranch		1st QTR 2015	
PERIMETER, OVER AND UNDER MONITOR WELLS					
Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		

Date

01/08/2015	6	384	184	8.7	4,635.3
01/21/2015	6	389	185	9.0	4,634.4
02/05/2015	6	400	184	8.9	4,634.8
02/23/2015	7	388	187	8.5	4,626.7
03/06/2015	6	401	197	8.5	4,634.4
03/23/2015	7	392	184	8.5	4,633.9

*Value Exceeds Upper Control Limit