Uranerz
ENERGY CORPORATION

July 23, 2014

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

Attn: Document Control Desk
Director
Office of Federal and State Materials and Environmental Management Programs,
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Deputy Director
Decommissioning and Uranium Recovery Licensing Directorate
Division of Waste Management and Environmental Protection
Office of Federal and State Materials and Environmental Management Protection
Mail Stop T-8F5
11545 Rockville Pike
Two White Flint North
Rockville, MD 20852-2738

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,

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.

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FSME20

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/dk

Attachments
2nd Quarter 2014 Report

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

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Uranerz
ENERGY CORPORATION

2nd Quarter 2014 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

- The NRC approved Uranerz to start production on April 15, 2014. Injection of lixiviant officially commenced April 18, 2014 with production in header houses 1 through 4 of Production Area #1 (PA#1).
- Delineation drilling occurred in PA#1 during the first half of the quarter. The drill holes will provide additional information for production activities. Plug and abandonment reporting will be provided in the Annual Report.
- New well installation did not 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 pends 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 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 a presentative 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 May and June 2014. The constituent values represent an average over each month.

Table 1: Injection Fluid Composition

Parameter	Permit Value Range	April 2014	May 2014
Calcium (mg/L)	20-500	16	28
Chloride (mg/L)	200-5000	27	25
Carbonate as CO_3 (mg/L)	1-2500	ND	7
Bicarbonate as HCO_3 (mg/L)	400-5000	224	340
Potassium (mg/L)	15-300	3	3
Magnesium (mg/L)	3-100	2	3
Manganese (mg/L)	0.01-50	0.01	0.03
Sodium (mg/L)	400-6000	161	186
Sulfate (mg/L)	400-5000	143	218
TDS @ 180 (mg/L)	1500-12000	488	723
U_3O_8 (mg/L)	0.01-500	0.09	0.58
V_2O_5 (mg/L)	0.01-100	0.07	0.03

2.2 Injection Pressure and Flow Volumes (Class III Wells)

Injection of production fluid commenced April 18, 2014. 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 that 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. 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. During the preparation of this report it was discovered the 150 psi limit was exceeded one time on June 22, 2014 up to 153 psi, for 2 seconds, in Header House 1. Header House 1 experienced a momentary increase in pressure when the system exceeded the maximum set point (145 psi) resulting from an operational imbalance which shut the system down; however, because the system was programmed with a 2 second delay the pressure reached 153 psi in that time. Uranerz has lowered the maximum set point and removed the 2 second delay to prevent a future occurrence. Verbal notifications were made to the regulatory agencies as appropriate.

Table 2: Weekly Maximum Injection Pressure

Week Ending	Header House 1	Header House 2	Header House 3	Header House 4
April 20, 2014	123	64	51	27
April 27, 2014	130	72	99	101
May 04, 2014	125	105	118	123
May 11, 2014	131	91	128	83
May 18, 2014	132	114	131	94
May 25, 2014	137	130	132	119
June 01, 2014	138	128	135	131
June 08, 2014	142	134	127	142
June 15, 2014	145	131	126	145
June 22, 2014	153	138	136	143
June 29, 2014	150	137	134	142

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)	Bleed (gallons)	% Bleed
April 20, 2014	6,159,150	6,130,000	55,214	0.9%
April 27, 2014	11,289,950	11,231,250	112,832	1.0%
May 04, 2014	11,643,050	11,566,600	116,427	1.0%
May 11, 2014	10,967,200	10,898,050	109,795	1.0%
May 18, 2014	11,307,650	11,226,050	113,391	1.0%
May 25, 2014	11,020,250	10,939,900	119,301	1.1%
June 01, 2014	10,268,900	9,962,419	104,518	1.0%
June 08, 2014	11,388,100	11,322,900	113,987	1.0%
June 15, 2014	11,366,200	11,273,700	128,326	1.1%
June 22, 2014	11,750,950	11,669,100	124,840	1.1%
June 29, 2014	11,636,150	11,554,100	132,601	1.1%
Totals	**118,797,550**	**117,774,069**	**1,231,232**	**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 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 commenced in April. All ring, overlying and underlying monitor wells were sampled. Results for each well have been tabulated and are enclosed in Attachment A.

It was noted that monitor well samples collected between May 12th and 13th indicated higher chloride results than historically recorded during baseline sampling, but chloride results were still below the upper control limit (UCL) value. Upon investigation it was discovered the false high chloride values were attributed to laboratory error including:

1. One of the mixed resin beds for the laboratory DI system needed to be changed. A small quantity of chloride was being added to the samples from the domestic water system.
2. Due to automatic system updates from the software manufacturer to the laboratory software, the instruments were re-configured causing some parameters for the test method to be changed in error which caused over titration of samples.

These laboratory issues were corrected and subsequent sampling events resulted in expected values.

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 V 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.

Sixty-five (65) Class III wells were tested for mechanical integrity during the report period. Wells testing with a pressure at or below 10% in a 10-minute timeframe have passed the MIT. Two wells failed MIT, N1B-089 and N1A-060. N1A-060 failed as it could not hold pressure for the 10 minute duration as required. N1B-089 failed as it would not hold pressure at all. The status of the failures is discussed in Section 4.0 below. MIT results are attached as Table 4.

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. Table 5 contains the status of wells failing MIT. Well N1B-089 was abandoned. N1A-060

that failed MIT this quarter is scheduled for abandonment in the next report period. Well N1A-020 had failed MIT as reported in 1st Quarter 2014 and was abandoned this report period. An injection well N1A-041 was found with a displaced o-ring in the casing at 20 feet below surface that was irreparable and the well was therefore abandoned.

Plug and abandonment of wells is performed in accordance with Permit to Mine No. 778, Volume V, 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/2ND QTR 2014
MITs for Nichols Ranch Production

Uranerz ENERGY CORPORATION

#	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	N1A-011	04/03/2014	PVC	606	580	180	165	15	04/03/2019	PASS
2	N1A-012	04/03/2014	PVC	558	540	180	173	7	04/03/2019	PASS
3	N1A-093	04/03/2014	PVC	593	580	180	163	17	04/03/2019	PASS
4	N1A-067	04/07/2014	PVC	606	580	180	175	5	04/07/2019	PASS
5	N1A-063	04/07/2014	PVC	593	580	180	165	15	04/07/2019	PASS
6	N1A-101	04/07/2014	PVC	586	570	180	166	14	04/07/2019	PASS
7	N1A-029	04/22/2014	PVC	552	530	180	169	11	04/22/2019	PASS
8	N1A-057	04/22/2014	PVC	593	550	180	164	16	04/22/2019	PASS
9	N1A-073	04/22/2014	PVC	602	580	180	164	16	04/22/2019	PASS
10	N1A-070	04/23/2014	PVC	616	590	180	162	18	04/23/2019	PASS
11	N1A-077	04/23/2014	PVC	572	560	180	170	10	04/23/2019	PASS
12	N1A-103	04/23/2014	PVC	609	580	180	169	11	04/23/2019	PASS
13	N1B-089	04/28/2014	PVC	633	560	180	0	180	04/28/2019	FAIL
14	N1A-036	05/05/2014	PVC	603	580	180	165	15	05/05/2019	PASS
15	N1A-084	05/05/2014	PVC	564	550	180	163	17	05/05/2019	PASS
16	N1A-024	05/06/2014	PVC	563	530	180	169	11	05/06/2019	PASS
17	N1A-110	05/06/2014	PVC	558	530	180	165	15	05/06/2019	PASS
18	N1B-001	05/06/2014	PVC	625	590	180	169	11	05/06/2019	PASS
19	N1A-111	05/13/2014	PVC	552	530	180	163	17	05/13/2019	PASS
20	N1A-112	05/13/2014	PVC	553	530	180	162	18	05/13/2019	PASS
21	N1A-053	05/14/2014	PVC	601	580	180	167	13	05/14/2019	PASS
22	N1B-002	05/15/2014	PVC	613	590	180	173	7	05/15/2019	PASS
23	N1B-029	05/15/2014	PVC	558	540	180	170	10	05/15/2019	PASS
24	N1B-022	05/20/2014	PVC	621	590	180	164	16	05/20/2019	PASS
25	N1A-079	05/22/2014	PVC	549	530	180	167	13	05/22/2019	PASS
26	N1B-023	05/22/2014	PVC	623	580	180	166	14	05/22/2019	PASS
27	N1B-040	05/22/2014	PVC	602	580	180	175	5	05/22/2019	PASS

Table 4: Mechanical Integrity Tests

WDEQ - Quarterly Report/2ND QTR 2014
MITs for Nichols Ranch Production

Uranerz ENERGY CORPORATION

#	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	N1A-008-1	05/27/2014	PVC	558	540	180	164	16	05/27/2019	PASS
29	N1B-004	05/27/2014	PVC	623	580	180	167	13	05/27/2019	PASS
30	N1B-074	05/27/2014	PVC	624	600	180	171	9	05/27/2019	PASS
31	N1A-045-1	05/28/2014	PVC	561	540	180	169	11	05/28/2019	PASS
32	N1B-003	05/28/2014	PVC	604	580	180	174	6	05/28/2019	PASS
33	N1B-069	05/28/2014	PVC	593	560	180	166	14	05/28/2019	PASS
34	N1A-001	05/29/2014	PVC	556	530	180	167	13	05/29/2019	PASS
35	N1A-030	05/29/2014	PVC	547	530	180	164	16	05/29/2019	PASS
36	N1B-033	05/30/2014	PVC	617	590	180	174	6	05/30/2019	PASS
37	N1B-077	05/30/2014	PVC	594	570	180	173	7	05/30/2019	PASS
38	N1A-086	06/02/2014	PVC	553	530	180	170	10	06/02/2019	PASS
39	N1B-037-1	06/03/2014	PVC	626	560	180	171	9	06/03/2019	PASS
40	N1A-016	06/04/2014	PVC	545	530	180	168	12	06/04/2019	PASS
41	N1A-050	06/04/2014	PVC	542	510	180	163	17	06/04/2019	PASS
42	N1B-087	06/04/2014	PVC	642	620	180	167	13	06/04/2019	PASS
43	N1A-002	06/05/2014	PVC	546	520	180	171	9	06/05/2019	PASS
44	N1B-057	06/05/2014	PVC	580	560	180	164	16	06/05/2019	PASS
45	N1B-005	06/06/2014	PVC	591	570	180	164	16	06/06/2019	PASS
46	N1B-019	06/09/2014	PVC	570	550	180	172	8	06/09/2019	PASS
47	N1A-003	06/10/2014	PVC	556	530	180	172	8	06/10/2019	PASS
48	N1A-060	06/10/2014	PVC	552	510	180	162	18	06/10/2019	FAIL
49	N1B-097	06/11/2014	PVC	648	620	180	170	10	06/11/2019	PASS
50	N1B-042	06/12/2014	PVC	585	560	180	171	9	06/12/2019	PASS
51	N1B-081	06/12/2014	PVC	616	580	180	164	16	06/12/2019	PASS
52	N1C-015	06/12/2014	PVC	629	590	180	171	9	06/12/2019	PASS
53	N1A-007	06/13/2014	PVC	555	520	180	166	14	06/13/2019	PASS
54	N1A-039	06/13/2014	PVC	558	540	180	166	14	06/13/2019	PASS

Table 4: Mechanical Integrity Tests

WDEQ - Quarterly Report/2ND QTR 2014
MITs for Nichols Ranch Production

Uranerz ENERGY CORPORATION

#	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
55	N1A-028	06/16/2014	PVC	551	530	180	168	12	06/16/2019	PASS
56	N1A-085	06/17/2014	PVC	564	540	180	168	12	06/17/2019	PASS
57	N1B-078	06/17/2014	PVC	633	610	180	172	8	06/17/2019	PASS
58	N1A-058	06/18/2014	PVC	566	540	180	172	8	06/18/2019	PASS
59	N1A-095	06/18/2014	PVC	571	550	180	170	10	06/18/2019	PASS
60	N1C-009	06/18/2014	PVC	641	600	180	172	8	06/18/2019	PASS
61	N1A-068	06/19/2014	PVC	570	550	180	173	7	06/19/2019	PASS
62	N1A-033	06/23/2014	PVC	539	520	180	167	13	06/23/2019	PASS
63	N1A-063	06/23/2014	PVC	556	540	180	169	11	06/23/2019	PASS
64	N1A-038	06/30/2014	PVC	554	530	180	167	13	06/30/2019	PASS
65	N1A-042	06/30/2014	PVC	553	510	180	164	16	06/30/2019	PASS

Table 5: Defective Well Status

Nichols Ranch ISR Project- 2nd Quarter 2014
MIT - Well Status

Uranerz ENERGY CORPORATION

#	Well Name	Date Tested	Well Status	Cemented/Repair Date	Well Depth	Well Diameter (Inches)	Casing Volume	Cement Volume Gallons
1	N1A-020	03/20/2014	Abandoned	06/12/2014	632	5	619	746
2	N1A-041	04/04/2012	Abandoned	06/18/2014	595	5	583	696
3	N1B-089	04/28/2014	Abandoned	06/12/2014	658	5	645	746

Production Area 1 Well ID MON-01		**Uranerz Energy Corporation** **Nichols Ranch** **PERIMETER, OVER AND UNDER MONITOR WELLS**		Quarterly Report 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		
Date					
04/09/2014	7	548	117	8.2	4,646.0
04/23/2014	7	552	118	8.2	4,646.2
05/12/2014	10	532	134	8.1	4,646.0
05/29/2014	7	525	116	8.2	4,645.9
06/10/2014	7	518	116	8.0	4,645.9
06/24/2014	7	505	114	8.0	4,645.7

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MON-02		**Uranerz Energy Corporation** **Nichols Ranch** **PERIMETER, OVER AND UNDER MONITOR WELLS**		Quarterly Report 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	*mg/l*	*u mho/cm*	*mg/l as CaCo3*		*msl @ surface*
Upper Control Limits	21	733	145		
Date					
04/09/2014	7	552	117	8.3	4,652.0
04/29/2014	7	528	117	8.0	4,650.8
05/13/2014	10	526	135	8.4	4,651.2
05/29/2014	7	539	116	8.4	4,650.9
06/10/2014	7	533	116	8.3	4,651.0
06/24/2014	7	517	116	8.2	4,650.7

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		
Date					
04/09/2014	7	558	117	8.2	4,653.9
04/29/2014	7	544	118	8.2	4,653.9
05/13/2014	10	512	135	8.2	4,653.7
05/29/2014	7	543	116	8.2	4,653.8
06/10/2014	7	539	116	8.1	4,653.8
06/24/2014	7	525	115	8.1	4,653.5

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		
Date					
04/09/2014	7	551	117	8.2	4,657.7
04/23/2014	7	531	118	8.4	4,657.9
05/12/2014	10	502	133	8.3	4,657.7
05/27/2014	7	473	116	8.4	4,657.6
06/09/2014	7	539	124	8.5	4,657.5
06/24/2014	7	500	114	8.3	4,657.6

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		
Date					
04/08/2014	6	550	114	8.7	4,658.3
04/22/2014	7	572	113	8.8	4,658.6
05/06/2014	7	526	114	8.7	4,658.3
05/22/2014	6	570	112	8.7	4,658.2
06/05/2014	7	536	111	8.6	4,658.1
06/17/2014	7	528	112	8.5	4,658.2

*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 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	*mg/l*	*u mho/cm*	*mg/l as CaCo3*		*msl @ surface*
Upper Control Limits	21	733	145		
Date					
04/08/2014	7	558	116	8.2	4,659.6
04/23/2014	5	565	118	8.5	4,659.4
05/06/2014	7	546	122	8.3	4,659.6
05/22/2014	7	572	116	8.5	4,659.4
06/04/2014	7	542	115	8.3	4,659.5
06/17/2014	7	543	115	8.2	4,659.5

*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 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		
Date					
04/08/2014	7	564	118	8.3	4,661.1
04/23/2014	7	576	118	8.6	4,661.1
05/06/2014	7	555	118	8.4	4,661.2
05/22/2014	7	575	116	8.6	4,661.1
06/04/2014	7	556	116	8.4	4,661.1
06/17/2014	6	552	113	8.2	4,661.2

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		
Date					
04/08/2014	7	567	116	8.2	4,663.6
04/22/2014	7	578	116	8.6	4,663.4
05/06/2014	7	562	116	8.3	4,663.3
05/22/2014	7	576	115	8.5	4,663.2
06/04/2014	7	554	113	8.4	4,663.2
06/17/2014	7	548	115	8.3	4,663.3

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		
Date					
04/08/2014	7	571	118	7.9	4,663.5
04/22/2014	7	577	119	8.3	4,664.0
05/06/2014	7	565	123	8.1	4,663.8
05/22/2014	7	579	116	8.1	4,663.7
06/04/2014	7	560	116	8.1	4,663.8
06/17/2014	7	555	118	8.0	4,663.8

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		
Date					
04/07/2014	7	560	119	7.8	4,666.0
04/22/2014	7	575	117	8.3	4,666.2
05/05/2014	7	576	122	8.0	4,666.1
05/19/2014	7	578	112	8.0	4,666.1
06/03/2014	7	545	115	8.2	4,666.1
06/16/2014	7	544	117	7.9	4,666.0

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		
Date					
04/07/2014	7	634	114	8.1	4,666.8
04/22/2014	6	683	113	8.3	4,667.0
05/05/2014	7	679	116	8.0	4,666.9
05/19/2014	7	685	109	8.1	4,666.9
06/03/2014	7	659	109	8.1	4,666.8
06/16/2014	7	664	110	8.0	4,666.8

*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 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	733	145		
Date					
04/08/2014	7	637	114	7.8	4,667.5
04/22/2014	7	636	114	8.0	4,667.9
05/06/2014	7	619	113	7.8	4,667.7
05/19/2014	7	633	110	7.9	4,667.7
06/04/2014	7	623	111	8.0	4,667.6
06/17/2014	7	612	112	7.9	4,667.4

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	*mg/l*	*u mho/cm*	*mg/l as CaCo3*		*msl @ surface*
Upper Control Limits	21	733	145		
Date					
04/07/2014	7	564	119	7.9	4,668.5
04/22/2014	7	591	118	8.1	4,668.4
05/05/2014	7	583	121	7.9	4,668.7
05/15/2014	7	570	133	8.0	4,668.4
06/03/2014	7	566	116	8.0	4,668.5
06/16/2014	7	563	117	7.9	4,668.5

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/14/2014	7	552	117	8.4	4,653.6
04/29/2014	7	533	117	8.7	4,645.2
05/12/2014	10	542	135	8.4	4,642.2
05/28/2014	7	532	117	8.5	4,642.7
06/10/2014	7	546	117	8.4	4,628.7
06/25/2014	7	527	116	8.4	4,629.7

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-02-2		**Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS**			Quarterly Report 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/14/2014	8	577	126	7.9	4,649.9
04/29/2014	10	550	126	8.3	4,644.7
05/12/2014	11	566	137	8.0	4,641.8
05/28/2014	10	554	121	8.1	4,637.2
06/10/2014	9	562	121	8.0	4,625.3
06/25/2014	9	554	121	8.0	4,627.5

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-03-2		**Uranerz Energy Corporation** **Nichols Ranch** **PERIMETER, OVER AND UNDER MONITOR WELLS**		Quarterly Report 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/14/2014	8	598	139	8.2	4,651.9
04/29/2014	9	572	134	8.4	4,646.7
05/13/2014	12	564	142	8.3	4,643.9
05/29/2014	11	578	128	8.4	4,636.4
06/10/2014	10	569	128	8.2	4,623.7
06/25/2014	10	575	132	8.2	4,625.8

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/14/2014	7	583	119	8.3	4,660.5
04/29/2014	7	571	117	8.5	4,646.0
05/12/2014	10	579	134	8.4	4,643.7
05/27/2014	7	557	115	8.3	4,647.9
06/10/2014	7	567	115	8.2	4,626.7
06/24/2014	7	555	115	8.3	4,630.2

*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 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	*mg/l*	*u mho/cm*	*mg/l as CaCo3*		*msl @ surface*
Upper Control Limits	21	731	152		
Date					
04/08/2014	8	545	114	8.2	4,658.0
04/23/2014	7	582	114	8.4	4,644.1
05/06/2014	7	577	118	8.4	4,643.2
05/22/2014	7	589	113	8.4	4,643.5
06/05/2014	8	564	110	8.4	4,634.0
06/18/2014	8	576	114	8.3	4,635.4

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/08/2014	8	560	112	8.3	4,658.2
04/22/2014	7	594	112	8.5	4,650.3
05/12/2014	11	569	126	8.6	4,645.7
05/27/2014	8	558	111	8.4	4,645.5
06/09/2014	8	572	108	8.6	4,637.9
06/19/2014	8	556	110	8.4	4,639.7

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/08/2014	7	567	117	8.2	4,659.9
04/23/2014	7	589	118	8.4	4,654.7
05/06/2014	8	586	116	8.3	4,651.1
05/22/2014	7	596	115	8.3	4,649.5
06/05/2014	7	573	112	8.3	4,644.1
06/18/2014	7	575	115	8.2	4,646.4

*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 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	8	573	116	8.1	4,663.0
04/21/2014	7	589	115	8.4	4,661.2
05/05/2014	7	592	120	8.3	4,657.0
05/15/2014	7	578	124	8.2	4,655.5
06/02/2014	7	565	116	8.4	4,652.8
06/12/2014	7	547	117	8.1	4,650.5

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	7	584	116	8.2	4,664.4
04/21/2014	7	592	114	8.4	4,663.5
05/05/2014	7	598	119	8.3	4,659.7
05/19/2014	7	594	111	8.1	4,658.1
06/02/2014	7	574	114	8.4	4,656.4
06/12/2014	7	565	113	8.1	4,653.9

*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 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	8	578	115	8.1	4,665.6
04/21/2014	7	590	114	8.4	4,665.1
05/05/2014	7	595	119	8.3	4,661.9
05/19/2014	7	591	110	8.3	4,660.0
06/02/2014	7	573	114	8.4	4,658.9
06/12/2014	7	571	115	8.1	4,656.6

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	8	581	111	8.2	4,667.4
04/21/2014	7	593	110	8.5	4,667.3
05/05/2014	8	598	116	8.4	4,664.6
05/19/2014	7	594	108	8.2	4,663.1
06/02/2014	8	576	110	8.4	4,661.9
06/12/2014	8	576	110	8.2	4,659.9

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	7	576	121	8.0	4,668.7
04/21/2014	7	591	120	8.4	4,668.9
05/05/2014	7	595	125	8.3	4,666.9
05/19/2014	7	591	117	8.2	4,665.4
06/02/2014	7	578	119	8.3	4,664.3
06/12/2014	7	578	120	8.0	4,662.6

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	7	582	122	8.0	4,670.2
04/21/2014	7	597	121	8.4	4,670.2
05/05/2014	7	601	126	8.3	4,668.8
05/19/2014	7	595	116	8.2	4,667.1
06/02/2014	7	583	120	8.3	4,666.3
06/12/2014	7	582	120	8.1	4,664.9

*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 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	7	586	123	8.1	4,671.4
04/21/2014	7	600	122	8.5	4,671.5
05/05/2014	7	605	126	8.4	4,670.3
05/19/2014	7	600	118	8.3	4,668.9
06/02/2014	7	585	120	8.4	4,668.0
06/12/2014	7	590	120	8.2	4,666.8

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	7	575	125	8.0	4,672.2
04/21/2014	7	587	124	8.3	4,672.3
05/05/2014	7	596	130	8.1	4,671.3
05/19/2014	6	587	119	8.2	4,670.1
06/02/2014	7	576	123	8.3	4,669.2
06/12/2014	7	578	122	8.1	4,667.9

*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 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	7	566	125	7.8	4,670.6
04/21/2014	7	577	123	8.2	4,673.4
05/05/2014	7	588	126	8.0	4,672.8
05/19/2014	7	578	120	8.1	4,671.6
06/02/2014	7	570	121	8.2	4,670.7
06/12/2014	7	572	123	8.0	4,669.9

*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 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	7	546	125	7.9	4,670.8
04/21/2014	7	559	125	8.2	4,669.9
05/05/2014	7	568	129	8.1	4,671.9
05/19/2014	7	560	119	8.1	4,670.8
06/02/2014	7	553	123	8.2	4,670.0
06/16/2014	7	545	124	7.9	4,666.1

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-18-1		**Uranerz Energy Corporation** **Nichols Ranch** **PERIMETER, OVER AND UNDER MONITOR WELLS**		Quarterly Report 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	7	548	122	7.9	4,667.9
04/21/2014	7	564	122	8.2	4,668.0
05/05/2014	7	572	121	8.0	4,666.9
05/19/2014	7	561	118	8.1	4,668.5
06/03/2014	7	546	120	8.2	4,664.2
06/16/2014	7	549	121	7.9	4,663.4

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-20-1		**Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS**		Quarterly Report 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	7	539	120	8.1	4,669.1
04/21/2014	7	553	121	8.5	4,669.7
05/05/2014	7	561	125	8.4	4,668.6
05/19/2014	7	552	117	8.4	4,667.1
06/03/2014	7	540	120	8.4	4,665.8
06/16/2014	7	537	121	8.2	4,664.6

*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 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/08/2014	7	552	122	8.0	4,668.3
04/22/2014	7	559	123	8.3	4,668.4
05/06/2014	7	539	126	8.1	4,666.7
05/19/2014	7	551	118	8.0	4,665.7
06/04/2014	7	542	119	8.1	4,664.1
06/17/2014	7	535	120	8.0	4,662.7

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	7	540	122	8.0	4,665.5
04/21/2014	7	551	120	8.4	4,667.3
05/05/2014	7	560	124	8.3	4,665.2
05/19/2014	7	551	116	8.3	4,663.7
06/03/2014	7	542	118	8.3	4,662.3
06/16/2014	7	537	121	8.1	4,662.0

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/07/2014	7	545	123	8.0	4,667.7
04/21/2014	7	556	122	8.3	4,665.5
05/05/2014	7	565	124	8.2	4,662.9
05/19/2014	7	554	118	8.2	4,661.2
06/03/2014	7	543	121	8.2	4,659.9
06/16/2014	7	542	122	8.0	4,658.2

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/08/2014	7	551	124	8.0	4,664.7
04/21/2014	7	556	124	8.4	4,664.3
05/05/2014	7	563	129	8.2	4,661.0
05/19/2014	7	556	118	8.2	4,659.2
06/03/2014	7	545	121	8.2	4,657.6
06/16/2014	7	540	122	8.0	4,655.9

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-25		**Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS**		Quarterly Report 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/08/2014	7	532	111	8.3	4,662.8
04/22/2014	7	550	112	8.6	4,661.5
05/06/2014	7	539	119	8.5	4,657.1
05/22/2014	7	551	114	8.5	4,655.3
06/03/2014	7	539	115	8.4	4,653.6
06/16/2014	7	533	116	8.3	4,652.4

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/08/2014	7	534	125	8.1	4,660.1
04/22/2014	7	550	125	8.3	4,657.1
05/06/2014	7	535	126	8.3	4,651.2
05/22/2014	7	546	123	8.3	4,649.8
06/03/2014	7	526	124	8.2	4,646.8
06/16/2014	8	524	125	8.0	4,646.8

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/09/2014	7	554	123	8.2	4,656.8
04/23/2014	7	548	125	8.6	4,649.4
05/12/2014	10	540	140	8.3	4,644.5
05/27/2014	7	526	122	8.2	4,643.6
06/09/2014	7	536	122	8.3	4,638.9
06/19/2014	7	527	121	8.1	4,639.8

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-28		**Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS**		Quarterly Report 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/09/2014	7	555	121	8.3	4,653.9
04/29/2014	7	534	121	8.5	4,640.0
05/12/2014	10	536	138	8.2	4,636.6
05/27/2014	7	527	119	8.1	4,638.5
06/09/2014	7	539	118	8.2	4,631.6
06/19/2014	7	526	119	8.2	4,632.6

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-29		**Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS**		Quarterly Report 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/09/2014	7	547	121	8.3	4,651.5
04/29/2014	7	531	122	8.5	4,635.7
05/12/2014	10	541	139	8.2	4,631.2
05/27/2014	7	527	120	8.0	4,635.0
06/09/2014	7	538	119	8.3	4,627.4
06/19/2014	7	525	120	8.1	4,628.0

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-30		**Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS**		Quarterly Report 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/09/2014	7	540	122	8.4	4,648.5
04/30/2014	7	593	125	8.2	4,632.3
05/13/2014	10	522	140	8.4	4,628.7
05/28/2014	7	528	124	8.4	4,628.6
06/09/2014	7	531	122	8.3	4,621.4
06/19/2014	7	524	122	8.2	4,621.7

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-31		**Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS**		Quarterly Report 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/14/2014	7	532	125	8.4	4,653.3
04/23/2014	7	529	126	8.5	4,644.8
05/12/2014	10	529	139	8.4	4,639.2
05/28/2014	7	520	123	8.4	4,632.4
06/09/2014	7	520	123	8.4	4,628.4
06/19/2014	7	473	122	8.4	4,628.7

*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 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/14/2014	7	529	122	8.3	4,655.8
04/29/2014	7	524	123	8.2	4,646.8
05/12/2014	10	531	139	8.4	4,643.1
05/28/2014	7	519	120	8.4	4,634.4
06/09/2014	7	524	121	8.3	4,631.6
06/19/2014	7	490	121	8.3	4,632.8

*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 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/09/2014	7	540	122	8.5	4,655.9
04/29/2014	7	529	122	8.3	4,647.6
05/12/2014	10	537	141	8.4	4,643.4
05/28/2014	7	527	121	8.4	4,640.4
06/09/2014	7	529	121	8.4	4,630.4
06/19/2014	7	499	120	8.3	4,632.2

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MRN-34-2		**Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS**		Quarterly Report 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	21	731	152		
Date					
04/14/2014	7	548	122	8.4	4,654.9
04/29/2014	7	546	121	8.3	4,646.5
05/12/2014	10	549	138	8.3	4,643.3
05/28/2014	7	542	119	8.4	4,642.9
06/09/2014	7	544	118	8.3	4,632.7
06/24/2014	8	528	117	8.1	4,633.5

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		
Date					
04/09/2014	5	403	204	8.5	4,639.8
04/23/2014	5	399	206	8.4	4,640.4
05/12/2014	8	400	217	8.5	4,639.5
05/29/2014	5	394	200	8.4	4,638.7
06/10/2014	5	392	200	8.3	4,638.6
06/24/2014	5	385	199	8.3	4,638.5

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		
Date					
04/09/2014	5	410	208	8.5	4,640.6
04/29/2014	5	403	210	8.4	4,639.5
05/13/2014	8	407	219	8.6	4,639.1
05/29/2014	5	398	204	8.4	4,639.7
06/10/2014	5	398	203	8.3	4,639.5
06/24/2014	5	388	203	8.4	4,639.6

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		
Date					
04/09/2014	6	399	204	8.4	4,640.6
04/29/2014	5	393	203	8.3	4,640.1
05/13/2014	8	387	214	8.4	4,639.8
05/29/2014	5	390	198	8.4	4,640.3
06/10/2014	5	388	198	8.2	4,640.2
06/24/2014	5	378	197	8.1	4,640.8

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		
Date					
04/09/2014	5	453	229	8.2	4,641.0
04/23/2014	5	432	229	8.4	4,640.7
05/12/2014	7	433	238	8.4	4,640.5
05/27/2014	4	424	224	8.3	4,640.5
06/09/2014	5	434	221	8.4	4,640.3
06/24/2014	5	419	221	8.3	4,640.5

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MUN-05-1		**Uranerz Energy Corporation** **Nichols Ranch** **PERIMETER, OVER AND UNDER MONITOR WELLS**		Quarterly Report 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		
Date					
04/08/2014	5	395	205	8.6	4,640.1
04/22/2014	5	403	203	8.7	4,641.0
05/06/2014	5	390	201	8.5	4,639.9
05/22/2014	5	400	198	8.6	4,639.8
06/05/2014	5	391	198	8.4	4,639.3
06/17/2014	5	388	201	8.3	4,640.0

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		
Date					
04/08/2014	5	384	201	8.4	4,641.1
04/23/2014	5	394	202	8.7	4,639.2
05/06/2014	5	388	205	8.5	4,640.3
05/22/2014	5	396	198	8.6	4,640.3
06/04/2014	5	386	196	8.3	4,640.4
06/17/2014	5	381	196	8.3	4,640.4

*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 2nd QTR 2014	
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		
Date					
04/08/2014	5	380	182	8.5	4,641.3
04/23/2014	5	383	184	8.8	4,639.0
05/06/2014	6	385	186	8.6	4,641.0
05/22/2014	5	377	180	8.7	4,641.2
06/04/2014	5	379	178	8.4	4,641.1
06/17/2014	6	373	179	8.4	4,641.2

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MUN-08		**Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS**			Quarterly Report 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		
Date					
04/08/2014	5	377	187	8.5	4,641.8
04/22/2014	6	377	184	8.6	4,642.0
05/06/2014	6	370	184	8.6	4,640.8
05/22/2014	5	379	182	8.6	4,640.7
06/04/2014	6	397	182	8.4	4,640.0
06/17/2014	6	321	180	8.4	4,640.8

*Value Exceeds Upper Control Limit

Production Area 1 Well ID MUN-09		**Uranerz Energy Corporation Nichols Ranch PERIMETER, OVER AND UNDER MONITOR WELLS**			Quarterly Report 2nd QTR 2014
Water Quality Parameters	Chloride	Specific Conductance	Tota Alkainity	pH	Piezometric Elevation
Units	mg/l	u mho/cm	mg/l as CaCo3		msl @ surface
Upper Control Limits	20	490	274		
Date					
04/08/2014	6	405	193	8.4	4,641.2
04/22/2014	6	403	192	8.4	4,641.3
05/06/2014	6	395	185	8.8	4,640.5
05/22/2014	6	385	184	8.9	4,640.4
06/04/2014	6	397	182	8.7	4,640.7
06/17/2014	6	387	186	8.7	4,640.6

*Value Exceeds Upper Control Limit