DCP Midstream
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Denver, CO 80202
303-595-3331
303-605-2226 *FAX*

June 11, 2012

Mr. Leonard Lowe
Environmental Engineer
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

RE: 1st Semi Annual 2012 Groundwater Monitoring Report
DCP Eldridge Ranch Study Area (AP#-33)
Unit P, Section 21, Township 19 South, Range 37 East
Lea County, New Mexico

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is pleased to submit for your review, a one copy of the 1st Semi Annual 2012 Results for the DCP Eldridge Study Area located near Monument, New Mexico (Unit P, Section 21, Township 19 South, Range 37 East).

Based on the information provided in the recommendation section of the report, DCP would like to request that MW-J, NMG MW-9 and MW-16 monitor wells be removed from the semiannual groundwater sampling program.

If you have any questions regarding the report, please call at 303-605-1718 or e-mail me swweathers@dcpmidstream.com .

Sincerely

DCP Midstream, LP

Stephen Weathers, P.G.
Principal Environmental Specialist

cc: Larry Johnson, OCD Hobbs District Office (Copy on CD)
Environmental Files

First Half 2012 Semi-Annual Groundwater Monitoring Summary Report

Eldridge Ranch
Lea County, New Mexico
AP-33

Prepared for:

DCP Midstream

370 17th St., Suite 2500
Denver, CO 80202

Prepared by:

Tasman Geosciences

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May 1, 2012

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1. Introduction

Tasman Geosciences, LLC (Tasman) is submitting to DCP Midstream (DCP) the results of the first half 2012 semi-annual groundwater monitoring activities conducted March 6-8, 2012 at the Eldridge Ranch Pipeline Release (Site) in Lea County, New Mexico (Figure 1). The field activities described herein were performed with the purpose of monitoring groundwater flow and quality conditions, and assessing the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons in the Site subsurface. The data collected were used to develop a groundwater elevation map and benzene isoconcentration map to evaluate current conditions at the Site.

2. Site Location and Background

The Site is located in New Mexico Oil Conservation Division (OCD) designated Unit P, Section 21, Township 19 South, Range 37 East, approximately 1 mile north and 3/4 of a mile east of the town of Monument in Lea County, New Mexico. The approximate coordinates are 32.642 degrees north and 103.256 degrees west. The surrounding area is predominantly uninhabited and used for oil and gas extraction and ranching. Approximately five underground pipelines traverse the Site (Figure 2).

The Site includes the former Eldridge Ranch property at the south and the former Huston property in the central portion, both of which are owned by DCP. The northern portion of the Site consists of land leased by DCP from the State of New Mexico. The Site spans more than a mile north to south over these three sections. For ease of discussion, the State of New Mexico property will be called the North Area, the Huston property will be called the Central Area, and the Eldridge Property will be called the South Area, as shown on Figure 2.

3. Groundwater Monitoring

This section describes the groundwater field and laboratory activities performed during the first half 2012 semi-annual monitoring event. Monitoring activities included Site-wide groundwater gauging and sampling. Figure 2 illustrates the groundwater monitoring network utilized to perform these activities at the Site.

3.1 Groundwater and LNAPL Elevation Monitoring

Groundwater and LNAPL levels were measured in order to evaluate hydraulic characteristics and provide information regarding seasonal and annual fluctuations in groundwater elevations at the Site. During the first half 2012, groundwater levels were measured at fifty-eight monitoring well locations. LNAPL was detected within monitoring wells MW-26 (1.08), MW-27 (0.68) MW-CC (0.69) where the measured thickness in feet is indicated in parenthesis. Groundwater elevation was corrected for product thickness using an assumed LNAPL density of 0.75 grams per cubic centimeter.

Groundwater levels were measured on the north side of the well casing to the nearest 0.01-foot using an oil-water interface probe (IP). Measured groundwater levels are presented in Table 1. Groundwater level data were later converted to elevation (feet above mean sea level [AMSL]).

Groundwater elevation measurements collected during the first half 2012 monitoring event as well as historical elevations are presented in Table 1, and a first half 2012 groundwater elevation contour map is provided as Figure 3. Groundwater elevations ranged from 3,588.06 feet AMSL at monitoring well MW-24 to 3,620.27 feet AMSL at monitoring well NMG MW-3. As illustrated on Figure 3, groundwater flow at the Site generally trends to the south/southeast with a gradient of approximately 0.0048 foot per foot between monitoring wells NMG MW-3 (North Area) and MW-24 (South Area).

3.2 Groundwater Quality Monitoring

Depth to groundwater, the presence of LNAPL, and total well depth (in wells without LNAPL) were measured within Site monitoring wells prior to collecting groundwater samples. A minimum of three well casing volumes of groundwater (calculated from total depth of the well and groundwater level measurements), were purged from the subject well prior to collecting groundwater samples.

Groundwater samples were collected using dedicated polyethylene bailers, placed in clean laboratory supplied containers for the selected analytical methods, packed in an ice-filled cooler and maintained at approximately four (4) degrees Celsius (^{0}C) for transportation. Groundwater samples were then shipped under chain-of-custody procedures to Accutest Laboratories (Accutest) in Wheat Ridge, Colorado, for analysis.

Water quality samples were collected from forty-nine monitoring wells. Monitoring wells MW-26, MW-27, and MW-CC were not sampled due to the presence of LNAPL. Water quality samples were submitted for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) by United States Environmental Protection Agency (USEPA) Method 8260B.

Table 2 summarizes BTEX concentrations in groundwater samples collected during the first half 2012 event. A dissolved-phase benzene isoconcentration map is illustrated on Figure 4. Laboratory analytical reports are included in Appendix A, and the results are summarized below.

- Benzene was detected in twenty-six of the sampled monitoring wells. Detected concentrations ranged from 0.00033 milligrams per liter (mg/L) in MW-4 to 17.0 mg/L in MW-12. The New Mexico Water Quality Control Commission (NMWQCC) groundwater standard for benzene, 0.01 mg/L, was exceeded in monitoring wells MW-11, MW-12, MW-23, MW-M, MW-N, MW-O, MW-Q, MW-EE, MW-LL, NMG MW-7, and NMG MW-10.

- Toluene exceeded the NMWQCC groundwater standard (0.62 mg/L) in MW-N during the first half 2012 monitoring period with a concentration of 2.21 mg/L.

- Ethylbenzene was detected in twenty of the monitoring wells during the first half semi-annual sampling event. The NMWQCC groundwater standard for ethylbenzene (0.75 mg/L) was not exceeded in any of the samples.

- Total xylenes were detected in the Irrigation Well, MW-4, MW-5, MW-8, MW-23, MW-A, MW-N, NMG MW-7, and NMG MW-10, with concentrations ranging from 0.0034 mg/L in MW-23, to 0.414 mg/L in MW-N. The NMWQCC groundwater standard (0.62 mg/L) was not exceeded in any of the samples.

Table 2 summarizes BTEX concentrations in groundwater samples collected during the first half 2012 event. Laboratory analytical reports for the event are included in Appendix A, and a dissolved-phase benzene isoconcentration map is provided on Figure 4. Water quality parameters were collected during the 2012 sampling event. Site monitoring wells did not require collection of more than three purge volumes to achieve parameter stabilization. As such, the analytical data are considered to be representative of Site conditions in that a minimum 3 purge volumes were removed from all sampled monitoring wells during the 2012 first half semi-annual event.

3.3 Data Quality Assurance / Quality Control

The data were reviewed for compliance with the analytical method and the associated quality assurance/quality control (QA/QC) procedures. All samples were analyzed using the correct analytical methods and within the correct holding times. Chain of custody forms were in order and properly executed and indicate that samples were received at the proper temperature with no headspace. All data were reported using the correct method number and reporting units. A trip blank, matrix spike or matrix spike duplicate (MS/MSD) and three field duplicate samples from wells MW-8, Irrigation Well and NMG MW-10 were collected during the sampling event. The trip blank was fully in control, having no detections of targets.

Duplicate samples collected at Irrigation Well (Dup-A), NMG MW-10 (Dup-B) and MW-8 (Dup-C) were in compliance with QA/QC standards. Irrigation Well and Dup-A returned results for benzene of 0.0015 µg/l and 0.0017 µg/l respectively. NMG MW-10 and Dup-B returned results for benzene of 0.0512 µg/l and 0.219 µg/l respectively and MW-8 and Dup-C returned results for benzene of 0.0069 µg/l and 0.0085 µg/l respectively. Duplicate results for NMG MW-10 warrant the collection of duplicate samples during the second half 2012 event.

The overall QA/QC assessment of the data, based on the data review, indicate that both field precision and overall data precision and accuracy are acceptable.

4. Remediation Activities

Natural attenuation continues to provide effective control and passive remediation of the dissolved-phase groundwater plumes on Site. Monitoring wells NMG MW-13, MW-19, MW-31, MW-F, MW-24, and MW-17, acting as "point of compliance" wells along the southern and eastern plume boundary, continue to exhibit non-detect dissolved-phase BTEX concentrations in groundwater in the North, Central, and South areas, respectively. Based on the historic and the first half 2012 semi-annual data, it appears that natural attenuation provides effective remediation of residual impacts at the Site.

5. Conclusions

While the dissolved phase hydrocarbon impacts exceeded the regulatory limits in 11 of the sampled monitoring wells, concentrations continue to decline across the Site. The analytical data from the first half 2012 sampling event for the remaining wells support these observations, by area, as described below:

NORTH AREA

- In the first half 2012 semi-annual event, benzene concentrations in NMG MW-5 dropped an order of magnitude from the previous monitoring event, thus placing the constituent level below the NMWQCC groundwater standard. Monitoring wells NMG MW-7 and NMG MW-10, downgradient of NMG MW-5, had persistent benzene concentrations exceeding the NMWQCC groundwater standard in the March 2012 sampling event.
- Monitoring wells NMG MW-11 and NMG MW-13, which act as "point of compliance" wells along the southeastern plume boundaries in the North Area, continue to exhibit non-detect dissolved-phase BTEX concentrations in groundwater, indicating that the impacted area is not expanding.

CENTRAL AREA

- Benzene concentrations remained highest in the Central Area. Free product was detected in monitoring wells MW-27 and MW-CC in the central portion, and MW-26 at the northwest corner.
- Monitoring wells MW-19, MW-31 and MW-F, acting as "point of compliance" wells along the eastern plume boundaries in the Central Area, continue to exhibit non-detect dissolved-phase BTEX concentrations in groundwater, indicating that the impacted area is not expanding.
- During the first half 2012 semi-annual event, benzene concentrations in MW-8 fell below the NMWQCC groundwater standard, suggesting that remedial natural attenuation continues to be effective.

SOUTH AREA

- Boundary wells in the South Area (MW-24, MW-17) continue to exhibit non-detect dissolved phase BTEX concentrations in groundwater, indicating that the impacted area is not expanding.

6. Recommendations

Based on evaluation of first half 2012 and historical Site observations and monitoring results, the following recommendations have been developed for future activities:

- Continue semi-annual groundwater monitoring and sampling at all monitoring well locations currently on the Site sampling plan, with the exception of those described below.
- Remove monitoring wells MW-J, NMG MW-9, and MW-16 from the Site sampling plan. Dissolved BTEX concentrations have not been detected in MW-J since December 2006, and MW-18 and MW-19 are located downgradient of this well. Dissolved BTEX concentrations have not been detected in NMG MW-9 since the June 2008 sampling event, and NMG MW-11 and NMG MW-13 are located downgradient. Dissolved BTEX concentrations have not been detected in MW-16 since March 2007, and the downgradient location of MW-17 would continue to provide delineation in this localized area.

Tables

TABLE 1
FIRST HALF 2012 SEMI-ANNUAL
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ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location	Date	Depth to Groundwater (1) (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (2) (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (feet amsl)	Change in Groundwater Elevation Since Previous Event (3) (feet)
MW-1	9/15/2010						3600.41	1.04
MW-1	4/25/2011	18.51				3618.22	3599.71	-0.70
MW-1	9/14/2011	19.09			29.49	3618.22	3599.13	-0.58
MW-1	3/6/2012	19.20			29.49	3618.22	3599.02	-0.11
MW-1D	3/23/2010						3595.76	-0.03
MW-1D	9/15/2010						3596.85	1.09
MW-1D	4/25/2011	20.05				3616.18	3596.13	-0.72
MW-1D	9/14/2011	20.58			48.38	3616.18	3595.60	-0.53
MW-1D	3/6/2012	20.74			48.38	3616.18	3595.44	-0.16
MW-2	3/23/2010						3599.56	-0.06
MW-2	9/15/2010						3600.65	1.09
MW-2	4/25/2011	21.59				3621.63	3600.04	-0.61
MW-2	9/13/2011	22.44			28.92	3621.63	3599.19	-0.85
MW-2	3/6/2012	22.39			28.92	3621.63	3599.24	0.05
MW-3	3/23/2010						3599.82	0.03
MW-3	9/15/2010						3601.45	1.63
MW-3	4/25/2011	21.56				3621.67	3600.11	-1.34
MW-3	9/13/2011	22.09				3621.67	3599.58	-0.53
MW-3	3/7/2012	22.24				3621.67	3599.43	-0.15
MW-4	3/23/2010						3599.9	-0.02
MW-4	9/15/2010						3601.31	1.41
MW-4	4/25/2011	21.01				3621.31	3600.30	-1.01
MW-4	9/14/2011	21.67			29.34	3621.31	3599.64	-0.66
MW-4	3/6/2012	22.68			29.34	3621.31	3598.63	-1.01
MW-5	3/23/2010						3600.87	0.11
MW-5	9/15/2010						3602.05	1.18
MW-5	4/25/2011	16.96				3618.08	3601.12	-0.93
MW-5	9/14/2011	17.71			27.55	3618.08	3600.37	-0.75
MW-5	3/6/2012	17.66			27.55	3618.08	3600.42	0.05
MW-6	3/23/2010						3604.08	0.01
MW-6	9/15/2010						3605.95	1.87
MW-6	4/25/2011	20.45				3624.99	3604.54	-1.41
MW-6	9/14/2011	21.14			29.83	3624.99	3603.85	-0.69
MW-6	3/6/2012	22.06			29.83	3624.99	3602.93	-0.92
MW-7	3/23/2010						3604.40	0.09
MW-7	9/15/2010						3605.27	0.87
MW-7	4/25/2011	26.04				3630.62	3604.58	-0.69
MW-7	9/13/2011	26.49				3630.62	3604.13	-0.45
MW-7	3/7/2012	26.85				3630.62	3603.77	-0.36
MW-8	3/23/2010						3603.33	0.03
MW-8	9/15/2010						3604.82	1.49
MW-8	4/25/2011	22.14				3625.92	3603.78	-1.04
MW-8	9/14/2011	22.95			32.49	3625.92	3602.97	-0.81
MW-8	3/8/2012	23.12			32.49	3625.92	3602.80	-0.17

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MW-9	3/23/2010						3602.11	0.03
MW-9	9/15/2010						3603.63	1.52
MW-9	4/25/2011	18.18				3620.78	3602.60	-1.03
MW-9	9/14/2011	19.16			29.72	3620.78	3601.62	-0.98
MW-9	3/7/2012	19.20			29.72	3620.78	3601.58	-0.04
MW-10	3/23/2010						3604.89	0.02
MW-10	9/15/2010						3606.42	1.53
MW-10	4/25/2011	21.8				3627.27	3605.47	-0.95
MW-10	9/14/2011	22.77			32.81	3627.27	3604.50	-0.97
MW-10	3/8/2012	22.97			32.81	3627.27	3604.30	-0.20
MW-11	3/23/2010						3604.54	0.07
MW-11	9/15/2010						3605.97	1.43
MW-11	4/25/2011	22.6				3627.56	3604.96	-1.01
MW-11	9/14/2011	23.32			32.72	3627.56	3604.24	-0.72
MW-11	3/8/2012	23.61			32.72	3627.56	3603.95	-0.29
MW-12	3/23/2010						3605.85	0.07
MW-12	9/15/2010						3607.09	1.24
MW-12	4/25/2011	24.96				3631.14	3606.18	-0.91
MW-12	9/14/2011	25.62			34.27	3631.14	3605.52	-0.66
MW-12	3/8/2012	25.90			34.27	3631.14	3605.24	-0.28
MW-13	3/23/2010						3606.1	0.08
MW-13	9/15/2010						3607.60	1.50
MW-13	4/25/2011	26.43				3632.9	3606.47	-1.13
MW-13	9/13/2011	NM				3632.9	NM	NM
MW-13	3/8/2012	27.45				3632.9	3605.45	
MW-14	3/23/2010						3607.03	-0.06
MW-14	9/15/2010						3608.44	1.41
MW-14	4/25/2011	22.92				3630.36	3607.44	-1.00
MW-14	9/14/2011	23.40			34.06	3630.36	3606.96	-0.48
MW-14	3/8/2012	23.90			34.06	3630.36	3606.46	-0.50
MW-15	3/23/2010						3609.04	-0.04
MW-15	9/15/2010						3609.91	0.87
MW-15	4/25/2011	26.16				3635.47	3609.31	-0.60
MW-15	9/14/2011	NM				3635.47	NM	NM
MW-15	3/7/2012	26.75				3635.47	3608.72	
MW-16	3/23/2010						3593.69	0.05
MW-16	9/15/2010						3594.96	1.27
MW-16	4/25/2011	17.04				3611.54	3594.50	-0.46
MW-16	9/13/2011	18.24			27.98	3611.54	3593.30	-1.20
MW-16	3/7/2012	18.08			27.98	3611.54	3593.46	0.16
MW-17	3/23/2010						3593.72	0.05
MW-17	9/15/2010						3594.78	1.06
MW-17	4/25/2011	14.75				3608.83	3594.08	-0.70
MW-17	9/13/2011	15.39			27.51	3608.83	3593.44	-0.64
MW-17	3/7/2012	15.30			27.51	3608.83	3593.53	0.09
MW-18	3/23/2010						3601.37	0.13
MW-18	9/15/2010						3603.08	1.71
MW-18	4/25/2011	21.69				3623.53	3601.84	-1.24
MW-18	9/14/2011	22.78			34.94	3623.53	3600.75	-1.09
MW-18	3/8/2012	22.76			34.94	3623.53	3600.77	0.02

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MW-19	3/23/2010						3600.92	0.08
MW-19	9/15/2010						3602.64	1.72
MW-19	4/25/2011	16.56				3617.99	3601.43	-1.21
MW-19	9/14/2011	17.77			29.95	3617.99	3600.22	-1.21
MW-19	3/7/2012	17.64			29.95	3617.99	3600.35	0.13
MW-20	3/23/2010						3606.45	-0.09
MW-20	9/15/2010						3607.37	0.92
MW-20	4/25/2011	30.41				3637.14	3606.73	-0.64
MW-20	9/14/2011	30.61			35.22	3637.14	3606.53	-0.20
MW-20	3/8/2012	30.85			35.22	3637.14	3606.29	-0.24
MW-21	3/23/2010						3607.92	0.03
MW-21	9/15/2010						3609.31	1.39
MW-21	4/25/2011	24.94				3633.27	3608.33	-0.98
MW-21	9/14/2011	NM				3633.27	NM	NM
MW-21	3/8/2012	26.0				3633.27	3607.27	
MW-22	3/23/2010						3603.29	-3.71
MW-22	9/15/2010						3608.45	5.16
MW-22	4/25/2011	21.2				3628.68	3607.48	-0.97
MW-22	9/14/2011	NM				3628.68	NM	NM
MW-22	3/8/2012	DRY				3628.68		
MW-23	3/23/2010						3608.34	-0.05
MW-23	9/15/2010						3609.43	1.09
MW-23	4/25/2011	23.33				3632.02	3608.69	-0.74
MW-23	9/14/2011	23.92			32.98	3632.02	3608.10	-0.59
MW-23	3/8/2012	24.10			32.98	3632.02	3607.92	-0.18
MW-24	3/23/2010						3588.24	0.01
MW-24	9/15/2010						3589.42	1.18
MW-24	4/25/2011	20.6				3609.15	3588.55	-0.87
MW-24	9/13/2011	21.04			37.35	3609.15	3588.11	-0.44
MW-24	3/7/2012	21.09			37.35	3609.15	3588.06	-0.05
MW-25	3/23/2010						3612.4	-0.01
MW-25	9/15/2010						3612.94	0.54
MW-25	4/25/2011	27.61				3640.14	3612.53	-0.41
MW-25	9/13/2011	27.85			35.44	3640.14	3612.29	-0.24
MW-25	3/7/2012	27.97			35.44	3640.14	3612.17	-0.12
MW-26*	3/23/2010						3609.92	-0.27
MW-26*	9/15/2010						3611.16	1.24
MW-26*	4/25/2011	24.59	24.29	0.30		3635.01	3610.42	-0.74
MW-26*	9/14/2011	25.26	24.65	0.61		3635.01	3610.21	-0.21
MW-26*	3/8/2012	25.85	24.77	1.08		3635.01	3609.97	-0.24
MW-27*	3/23/2010						3607.3	-0.19
MW-27*	9/15/2010						3609.29	1.99
MW-27*	4/25/2011	28.45	27.77	0.68		3636.41	3607.96	-1.33
MW-27*	9/14/2011	29.11	28.62	0.49		3636.41	3607.67	-0.29
MW-27*	3/8/2012	29.58	28.90	0.68		3636.41	3607.34	-0.33
MW-28	3/23/2010						3609.78	0.08
MW-28	9/15/2010						3610.77	0.99
MW-28	4/25/2011	22.5				3632.58	3610.08	-0.69
MW-28	9/14/2011	23.23			32.15	3632.58	3609.35	-0.73
MW-28	3/7/2012	23.34			32.15	3632.58	3609.24	-0.11

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MW-29	3/23/2010						3612.48	3.67
MW-29	9/15/2010						3609.82	-2.66
MW-29	4/25/2011	24.99				3634.17	3609.18	-0.64
MW-29	9/14/2011	25.66			34.83	3634.17	3608.51	-0.67
MW-29	3/7/2012	25.85			34.83	3634.17	3608.32	-0.19
MW-30	3/23/2010						3607.28	-0.01
MW-30	9/15/2010						3608.52	1.24
MW-30	4/25/2011	23.09				3630.76	3607.67	-0.85
MW-30	9/14/2011	23.85			32.53	3630.76	3606.91	-0.76
MW-30	3/7/2012	23.90			32.53	3630.76	3606.86	-0.05
MW-31	3/23/2010						3605.25	-0.01
MW-31	9/15/2010						3606.88	1.63
MW-31	4/25/2011	19.6				3625.38	3605.78	-1.10
MW-31	9/14/2011	20.63			28.55	3625.38	3604.75	-1.03
MW-31	3/7/2012	20.67			28.55	3625.38	3604.71	-0.04
MW-A	3/23/2010						3595.72	0.03
MW-A	9/15/2010						3596.77	1.05
MW-A	4/25/2011	20.33				3616.26	3595.93	-0.84
MW-A	9/14/2011	20.79			26.64	3616.26	3595.47	-0.46
MW-A	3/6/2012	20.90			26.64	3616.26	3595.36	-0.11
MW-E	3/23/2010						3599.89	0.11
MW-E	9/15/2010						3601.19	1.30
MW-E	4/25/2011	20.19				3620.44	3600.25	-0.94
MW-E	9/14/2011	21.07			28.58	3620.44	3599.37	-0.88
MW-E	3/7/2012	20.98			28.58	3620.44	3599.46	0.09
MW-F	3/23/2010						3600.29	0.04
MW-F	9/15/2010						3601.79	1.50
MW-F	4/25/2011	15.78				3616.44	3600.66	-1.13
MW-F	9/14/2011	16.82			27.1	3616.44	3599.62	-1.04
MW-F	3/7/2012	16.60			27.1	3616.44	3599.84	0.22
MW-I	3/23/2010						3603.51	0.06
MW-I	9/15/2010						3605.14	1.63
MW-I	4/25/2011	23.68				3627.63	3603.95	-1.19
MW-I	9/14/2011	24.54			36.63	3627.63	3603.09	-0.86
MW-I	3/6/2012	24.75			36.63	3627.63	3602.88	-0.21
MW-J	3/23/2010						3602.93	0.03
MW-J	9/15/2010						3604.67	1.74
MW-J	4/25/2011	21.35				3624.79	3603.44	-1.23
MW-J	9/14/2011	22.39			28.2	3624.79	3602.40	-1.04
MW-J	3/6/2012	22.45			28.2	3624.79	3602.34	-0.06
MW-M	3/23/2010						3606.86	0.08
MW-M	9/15/2010						3608.32	1.46
MW-M	4/25/2011	26.88				3634.1	3607.22	-1.10
MW-M	9/14/2011	27.62			40.57	3634.1	3606.48	-0.74
MW-M	3/8/2012	27.90			40.57	3634.1	3606.20	-0.28

TABLE 1
FIRST HALF 2012 SEMI-ANNUAL
SUMMARY OF GROUNDWATER ELEVATION DATA
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location	Date	Depth to Groundwater (1) (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (2) (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (feet amsl)	Change in Groundwater Elevation Since Previous Event (3) (feet)
MW-N	3/23/2010						3606.77	0.04
MW-N	9/15/2010						3608.37	1.60
MW-N	4/25/2011	28.2				3635.45	3607.25	-1.12
MW-N	9/14/2011	29.09			38.8	3635.45	3606.36	-0.89
MW-N	3/8/2012	29.44			38.8	3635.45	3606.01	-0.35
MW-O	3/23/2010						3606.8	0.08
MW-O	9/15/2010						3608.36	1.56
MW-O	4/25/2011	26.83				3634.05	3607.22	-1.14
MW-O	9/14/2011	27.71			38.62	3634.05	3606.34	-0.88
MW-O	3/8/2012	27.91			38.62	3634.05	3606.14	-0.20
MW-Q	3/23/2010						3607.71	0.02
MW-Q	9/15/2010						3609.26	1.55
MW-Q	4/25/2011	23.45				3631.59	3608.14	-1.12
MW-Q	9/14/2011	24.33			36.93	3631.59	3607.26	-0.88
MW-Q	3/8/2012	24.52			36.93	3631.59	3607.07	-0.19
MW-S	3/23/2010						3605.67	0.02
MW-S	9/15/2010						3607.17	1.50
MW-S	4/25/2011	16.1				3622.2	3606.10	-1.07
MW-S	9/14/2011	16.97			31.19	3622.2	3605.23	-0.87
MW-S	3/8/2012	17.14			31.19	3622.2	3605.06	-0.17
MW-CC*	3/23/2010						3606.60	-0.13
MW-CC*	9/15/2010						3608.17	1.57
MW-CC*	4/25/2011	27.58	27.28	0.30		3635.22	3607.64	-0.53
MW-CC*	9/14/2011	29.06	28.41	0.65		3635.22	3606.65	-0.99
MW-CC*	3/8/2012	29.36	28.67	0.69		3635.22	3606.38	-0.27
MW-EE	3/23/2010						3608.69	0.03
MW-EE	9/15/2010						3608.69	0.00
MW-EE	4/25/2011	23.31				3632.32	3609.01	0.32
MW-EE	9/14/2011	23.90			34.38	3632.32	3608.42	-0.59
MW-EE	3/8/2012	24.10			34.38	3632.32	3608.22	-0.20
MW-LL	3/23/2010						3606.79	0.05
MW-LL	9/15/2010						3608.36	1.57
MW-LL	4/25/2011	28.21				3635.41	3607.20	-1.16
MW-LL	9/14/2011	29.05			39.65	3635.41	3606.36	-0.84
MW-LL	3/8/2012	29.25			39.65	3635.41	3606.16	-0.20
MW-MM	3/23/2010						3608.15	0.01
MW-MM	9/15/2010						3609.58	1.43
MW-MM	4/25/2011	23.09				3631.61	3608.52	-1.06
MW-MM	9/14/2011	23.77			36.82	3631.61	3607.84	-0.68
MW-MM	3/8/2012	24.02			36.82	3631.61	3607.59	-0.25
NMG MW2	3/23/2010						3617.93	-0.08
NMG MW2	9/15/2010						3618.3	0.37
NMG MW2	4/25/2011	28.76				3646.9	3618.14	-0.16
NMG MW2	9/13/2011	29.18			37.28	3646.9	3617.72	-0.42
NMG MW2	3/7/2012	29.31			37.28	3646.9	3617.59	-0.13
NMG MW3	3/23/2010						3620.47	-0.05
NMG MW3	9/15/2010						3620.85	0.38
NMG MW3	4/25/2011	29.21				3649.8	3620.59	-0.26
NMG MW3	9/13/2011	29.47			39.25	3649.8	3620.33	-0.26
NMG MW3	3/7/2012	29.53			39.25	3649.8	3620.27	-0.06

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ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location	Date	Depth to Groundwater (1) (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (2) (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (feet amsl)	Change in Groundwater Elevation Since Previous Event (3) (feet)
NMG MW4	3/23/2010						3616.59	-0.09
NMG MW4	9/15/2010						3617.19	0.60
NMG MW4	4/25/2011	29.31				3646.08	3616.77	-0.42
NMG MW4	9/13/2011	29.68			36.81	3646.08	3616.40	-0.37
NMG MW4	3/7/2012	29.82			36.81	3646.08	3616.26	-0.14
NMG MW5	3/23/2010						3617.17	-0.06
NMG MW5	9/15/2010						3617.95	0.78
NMG MW5	4/25/2011	31.22				3648.55	3617.33	-0.62
NMG MW5	9/13/2011	31.65			38.65	3648.55	3616.90	-0.43
NMG MW5	3/7/2012	31.72			38.65	3648.55	3616.83	-0.07
NMG MW6	3/23/2010						3616.36	-0.03
NMG MW6	9/15/2010						3617.22	0.86
NMG MW6	4/25/2011	30.02				3646.62	3616.6	-0.62
NMG MW6	9/13/2011	30.60			38.31	3646.62	3616.02	-0.58
NMG MW6	3/7/2012	30.72			38.31	3646.62	3615.90	-0.12
NMG MW7	3/23/2010						3615.16	-0.04
NMG MW7	9/15/2010						3616.05	0.89
NMG MW7	4/25/2011	28.67				3644.18	3615.51	-0.54
NMG MW7	9/13/2011	29.35			37.45	3644.18	3614.83	-0.68
NMG MW7	3/7/2012	29.47			37.45	3644.18	3614.71	-0.12
NMG MW8	3/23/2010						3616	-0.01
NMG MW8	9/15/2010						3616.86	0.86
NMG MW8	4/25/2011	30.98				3647.18	3616.2	-0.66
NMG MW8	9/13/2011	31.55			38.27	3647.18	3615.63	-0.57
NMG MW8	3/7/2012	31.65			38.27	3647.18	3615.53	-0.10
NMG MW9	3/23/2010						3614.64	-0.04
NMG MW9	9/15/2010						3615.66	1.02
NMG MW9	4/25/2011	27.16				3642.12	3614.96	-0.70
NMG MW9	9/13/2011	27.87			31.48	3642.12	3614.25	-0.71
NMG MW9	3/7/2012	27.97			31.48	3642.12	3614.15	-0.10
NMG MW10	3/23/2010						3614.82	-0.03
NMG MW10	9/15/2010						3615.77	0.95
NMG MW10	4/25/2011	26.66				3641.78	3615.12	-0.65
NMG MW10	9/13/2011	26.62			32.12	3641.78	3615.16	0.04
NMG MW10	3/7/2012	27.45			32.12	3641.78	3614.33	-0.83
NMG MW11	3/23/2010						3614.14	-0.03
NMG MW11	9/15/2010						3615.09	0.95
NMG MW11	4/25/2011	25.91				3640.37	3614.46	-0.63
NMG MW11	9/13/2011	26.62			32.25	3640.37	3613.75	-0.71
NMG MW11	3/7/2012	26.74			32.25	3640.37	3613.63	-0.12
NMG MW12	3/23/2010						3612.27	-0.04
NMG MW12	9/15/2010						3613.25	0.98
NMG MW12	4/25/2011	25.59				3638.2	3612.61	-0.64
NMG MW12	9/13/2011	26.30			32.6	3638.2	3611.90	-0.71
NMG MW12	3/7/2012	26.41			32.6	3638.2	3611.79	-0.11

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Location	Date	Depth to Groundwater (1) (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (2) (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (feet amsl)	Change in Groundwater Elevation Since Previous Event (3) (feet)
NMG MW13	3/23/2010						3612.22	-0.02
NMG MW13	9/15/2010						3613.23	1.01
NMG MW13	4/25/2011	24.15				3636.64	3612.49	-0.74
NMG MW13	9/13/2011	24.82			27.73	3636.64	3611.82	-0.67
NMG MW13	3/7/2012	24.98			27.73	3636.64	3611.66	-0.16
Average change in groundwater elevation since the previous monitoring even								-0.18

Notes:

1- Depths measured from the north edge of the well casing.

2- Total depths were collected and recorded during the first half semi-annual 2012 monitoring event.

3- Changes in groundwater elevation calculated by subtracting the measurement collected during the previous monitoring even from the measurement collected during the most recent Data presented for all well locations includes previous four sampling events, when available. Historic groundwater elevation data for these locations are available upon request.

* Groundwater elevation was corrected for product thickness using the following calculation:

Groundwater elevation = (TOC Elevation - Measured Depth to Water) + (LNAPL Thickness in Well * LNAPL Density)
LNAPL density was assumed to be approximately 0.75 grams per cubic centimeter

TABLE 2
FIRST HALF 2012 SEMI-ANNUAL
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Comission Groundwater Standards		**0.01**	**0.75**	**0.75**	**0.62**	
MW-1	6/10/2010	0.0031	<0.0043	0.0182	0.0208	
MW-1	9/15/2010	0.0073	<0.01	0.035	0.0369	
MW-1	4/25/2011	0.0053	<0.002	0.0302	0.0302	
MW-1	9/14/2011	0.0031	<0.002	0.0194	0.0075	
MW-1	3/6/2012	0.0027	<0.002	<0.002	<0.004	
MW-1D	6/10/2010	<.0005	<0.00043	<0.00055	<0.0017	
MW-1D	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-1D	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-1D	9/14/2011	<0.001	<0.002	0.0005	<0.004	
MW-1D	3/6/2012	<0.001	<0.002	<0.002	<0.004	
MW-4	6/10/2010	<0.0025	0.003	0.145	0.469	
MW-4	9/15/2010	<.005	0.0022	0.197	0.5378	
MW-4	4/25/2011	0.0013	0.0022	0.159	0.481	
MW-4	9/14/2011	0.0011	<0.004	0.0968	0.291	
MW-4	3/6/2012	0.00033	<0.002	0.0407	0.397	
MW-5	6/10/2010	NS	NS	NS	NS	
MW-5	9/15/2010	0.00058	<0.002	0.0023	0.0056	
MW-5	4/25/2011	0.00047	<0.002	0.0122	0.0422	
MW-5	9/14/2011	0.00028	<0.002	0.0091	0.0314	
MW-5	3/6/2012	<0.001	<0.002	0.0095	0.0351	
MW-6	6/10/2010	NS	NS	NS	NS	
MW-6	9/15/2010	<0.002	<0.004	0.000097	<0.004	
MW-6	4/25/2011	<0.001	<0.002	0.00041	<0.002	
MW-6	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-6	3/6/2012	<0.001	<0.002	<0.002	<0.004	
MW-8	6/10/2010	NS	NS	NS	NS	
MW-8	9/15/2010	**0.0197**	<0.002	0.084	0.2072	
MW-8	4/25/2011	**0.0273**	<0.002	0.112	0.236	
MW-8	9/14/2011	**0.0117**	<0.004	0.0659	0.136	
MW-8	3/8/2012	0.0085	<0.002	0.0473	0.121	Duplicate C sample collected
MW-9	6/10/2010	<.0005	<.00043	<0.00055	<0.0017	
MW-9	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-9	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-9	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-9	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-10	6/10/2010	NS	NS	NS	NS	
MW-10	9/15/2010	**0.0366**	<0.002	0.0081	0.0088	
MW-10	4/25/2011	**0.0179**	<0.002	0.0078	0.0084	
MW-10	9/14/2011	**0.0202**	<0.002	0.0041	0.0044	
MW-10	3/8/2012	0.0078	<0.002	0.00086	<0.004	

TABLE 2
FIRST HALF 2012 SEMI-ANNUAL
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Comission Groundwater Standards		0.01	0.75	0.75	0.62	
MW-11	6/10/2010	NS	NS	NS	NS	
MW-11	9/15/2010	**3.3**	<0.1	0.264	0.514	
MW-11	4/25/2011	**2.92**	<0.05	0.22	0.22	
MW-11	9/14/2011	**3.52**	<0.20	0.37	0.403	
MW-11	3/8/2012	**2.01**	<0.20	0.17	<0.40	
MW-12	6/10/2010	NS	NS	NS	NS	
MW-12	9/15/2010	**12.4**	0.141	0.237	0.109	
MW-12	4/25/2011	**11.6**	<0.2	0.261	0.0739	
MW-12	9/14/2011	**9.51**	<0.20	0.307	<0.40	
MW-12	3/8/2012	**17.0**	<0.20	0.71	<0.40	
MW-14	6/10/2010	NS	NS	NS	NS	
MW-14	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-14	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-14	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-14	3/8/2012	<0.001	<0.002	<0.002	<0.004	
MW-16	6/10/2010	<.0005	<.00043	<0.00055	<0.0017	
MW-16	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-16	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-16	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-16	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-17	6/10/2010	<.0005	<.00043	<0.00055	<0.0017	
MW-17	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-17	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-17	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-17	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-18	6/10/2010	NS	NS	NS	NS	
MW-18	9/15/2010	0.0012	<0.002	0.00066	0.00068	
MW-18	4/25/2011	0.0019	<0.002	0.0054	0.0222	
MW-18	9/14/2011	0.0019	<0.002	0.0053	0.0073	
MW-18	3/8/2012	0.00038	<0.002	0.0012	<0.004	
MW-19	6/10/2010	NS	NS	NS	NS	
MW-19	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-19	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-19	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-19	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-20	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-20	3/8/2012	NS	NS	NS	NS	
MW-22	6/10/2010	NS	NS	NS	NS	
MW-22	9/15/2010	NS	NS	NS	NS	
MW-22	4/25/2011	NS	NS	NS	NS	
MW-22	9/14/2011	NS	NS	NS	NS	
MW-22	3/8/2012	NS	NS	NS	NS	

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ELDRIDGE PIPELINE RELEASE
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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Comission Groundwater Standards		**0.01**	**0.75**	**0.75**	**0.62**	
MW-23	6/10/2010	NS	NS	NS	NS	
MW-23	9/15/2010	**0.0215**	0.0014	0.0836	<0.004	
MW-23	4/25/2011	**0.0392**	<0.002	0.0589	0.006	
MW-23	9/14/2011	**0.0588**	<0.004	0.121	<0.008	Duplicate B sample collected
MW-23	3/8/2012	**0.0505**	<0.002	0.127	0.0034	
MW-24	6/10/2010	<.0005	<.00043	<0.0055	<0.0017	
MW-24	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-24	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-24	9/14/2011	0.00051	<0.002	<0.002	<0.004	
MW-24	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-25	6/10/2010	<.0005	<.00043	<0.0055	<0.0017	
MW-25	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-25	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-25	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-25	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-26	6/10/2010	NS	NS	NS	NS	
MW-26	9/15/2010	**36.5**	**33.9**	**1.47**	**2.79**	
MW-26	4/25/2011	NS	NS	NS	NS	
MW-26	9/14/2011	NS	NS	NS	NS	
MW-26	3/8/2012	NS	NS	NS	NS	
MW-28	6/10/2010	<.005	<.00043	<0.0055	<0.0017	
MW-28	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-28	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-28	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-28	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-29	6/10/2010	NS	NS	NS	NS	
MW-29	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-29	4/25/2011	0.0006	<0.002	<0.002	<0.002	
MW-29	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-29	3/7/2012	0.00028	<0.002	<0.002	<0.004	
MW-30	6/10/2010	<.0005	<0.00043	<0.0055	<0.0017	
MW-30	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-30	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-30	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-30	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-31	6/10/2010	<.0005	<0.00043	<0.0055	<0.0017	
MW-31	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-31	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-31	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-31	3/7/2012	<0.001	<0.002	<0.002	<0.004	

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FIRST HALF 2012 SEMI-ANNUAL
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ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Comission Groundwater Standards		**0.01**	**0.75**	**0.75**	**0.62**	
House Well	6/10/2010	<.0005	<0.00043	0.0055	<0.0017	
House Well	9/15/2010	<.00058	<0.002	<0.002	<0.004	
House Well	4/25/2011	0.00062	<0.002	<0.002	<0.002	
House Well	9/14/2011	0.0088	<0.002	0.00074	<0.004	Duplicate C sample collected
House Well	3/6/2012	0.00044	<0.002	<0.002	<0.004	
Irrigation Well	6/10/2010	NS	NS	NS	NS	
Irrigation Well	9/15/2010	0.0019	<0.002	0.0156	0.0367	
Irrigation Well	4/25/2011	0.0023	<0.002	0.0181	0.0324	
Irrigation Well	9/14/2011	0.0049	<0.002	0.0167	0.0236	
Irrigation Well	3/6/2012	0.0017	<0.002	0.0108	0.0158	Duplicate A sample collected
MW-A	6/10/2010	<0.0019	<0.00043	0.112	0.297	
MW-A	9/15/2010	0.0038	<0.01	0.114	0.2841	
MW-A	4/25/2011	0.0016	0.0917	0.245	0.245	
MW-A	9/14/2011	0.001	<0.002	0.0753	0.217	
MW-A	3/6/2012	0.00073	<0.002	0.081	0.222	
MW-E	6/10/2010	NS	NS	NS	NS	
MW-E	9/15/2010	**0.0119**	<0.002	<0.002	0.0042	
MW-E	4/25/2011	0.0039	<0.002	<0.002	<0.002	
MW-E	9/14/2011	0.0043	<0.002	0.00097	<0.004	
MW-E	3/7/2012	0.0025	<0.002	<0.002	<0.004	
MW-F	6/10/2010	NS	NS	NS	NS	
MW-F	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-F	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-F	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-F	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-I	6/10/2010	NS	NS	NS	NS	
MW-I	9/15/2010	0.0006	<0.002	<0.002	<0.004	
MW-I	4/25/2011	0.00071	0.00041	<0.002	<0.002	
MW-I	9/14/2011	0.00082	<0.002	<0.002	<0.004	
MW-I	3/6/2012	0.00068	<0.002	<0.002	<0.004	
MW-J	6/10/2010	NS	NS	NS	NS	
MW-J	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-J	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-J	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-J	3/6/2012	<0.001	<0.002	<0.002	<0.004	
MW-M	6/10/2010	NS	NS	NS	NS	
MW-M	9/15/2010	**12.4**	<0.02	0.328	0.18	
MW-M	4/25/2011	**12.7**	0.318	0.288	0.288	
MW-M	9/14/2011	**8.53**	<0.20	0.347	0.214	
MW-M	3/8/2012	**3.72**	<0.20	0.296	<0.40	

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Comission Groundwater Standards		**0.01**	**0.75**	**0.75**	**0.62**	
MW-N	6/10/2010	NS	NS	NS	NS	
MW-N	9/15/2010	**16.9**	**5.07**	0.549	**1.149**	
MW-N	4/25/2011	**15.8**	0.305	0.478	0.478	
MW-N	9/14/2011	**15.0**	**0.982**	0.315	0.380	
MW-N	3/8/2012	**15.4**	**2.21**	0.417	0.414	
MW-O	6/10/2010	NS	NS	NS	NS	
MW-O	9/15/2010	**6.96**	<0.1	0.21	<0.2	
MW-O	4/25/2011	**8.23**	0.275	<0.1	<0.1	
MW-O	9/14/2011	**6.93**	0.0022	0.244	<0.004	
MW-O	3/8/2012	**7.61**	<0.20	0.195	<0.40	
MW-Q	6/10/2010	NS	NS	NS	NS	
MW-Q	9/15/2010	**0.946**	<0.02	0.0217	<0.04	
MW-Q	4/25/2011	**0.948**	0.0184	<0.02	<0.02	
MW-Q	9/14/2011	**0.896B**	<0.002	0.0108	<0.004	
MW-Q	3/8/2012	**0.814**	<0.02	<0.02	<0.04	
MW-S	6/10/2010	NS	NS	NS	NS	
MW-S	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-S	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-S	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-S	3/8/2012	<0.001	<0.002	<0.002	<0.004	
MW-EE	6/10/2010	**0.817**	0.0016	0.0124	0.0158	
MW-EE	9/15/2010	**0.191**	0.012	0.0182	0.1725	
MW-EE	4/25/2011	**0.707**	0.0128	0.011	0.011	
MW-EE	9/14/2011	**0.447**	<0.002	0.0089	0.0041	Duplicate A sample collected
MW-EE	3/8/2012	**0.0735**	<0.002	0.0011	<0.004	
MW-LL	6/10/2010	NS	NS	NS	NS	
MW-LL	9/15/2010	**2.89**	0.499	0.0955	0.126	
MW-LL	4/25/2011	**1.64**	0.0764	0.0469	0.0469	
MW-LL	9/14/2011	**1.23**	0.0066	0.0531	0.0202	
MW-LL	3/8/2012	**1.42**	<0.02	0.0642	<0.04	
MW-MM	6/10/2010	NS	NS	NS	NS	
MW-MM	9/15/2010	0.121	<0.002	0.0771	<0.004	
MW-MM	4/25/2011	0.0158	0.0338	<0.002	<0.002	
MW-MM	9/14/2011	0.0082	<0.002	0.022	<0.004	
MW-MM	3/8/2012	0.0032	<0.002	0.0053	<0.004	
NMG MW-2	6/10/2010	<.0005	<0.00043	<0.0055	<0.0017	
NMG MW-2	9/15/2010	<0.001	<0.002	<0.002	<0.004	
NMG MW-2	4/25/2011	<0.001	<0.002	<0.002	<0.002	
NMG MW-2	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG MW-2	3/7/2012	<0.001	<0.002	<0.002	<0.004	

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Comission Groundwater Standards		**0.01**	**0.75**	**0.75**	**0.62**	
NMG MW-3	6/10/2010	<.0005	<0.00043	<0.0055	<0.0017	
NMG MW-3	9/15/2010	<0.001	<0.002	<0.002	<0.004	
NMG MW-3	4/25/2011	<0.001	<0.002	<0.002	<0.002	
NMG MW-3	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG MW-3	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG MW-4	6/10/2010	<.0005	<0.00043	<0.0055	<0.0017	
NMG MW-4	9/15/2010	<0.001	<0.002	<0.002	<0.004	
NMG MW-4	4/25/2011	<0.001	<0.002	<0.002	<0.002	
NMG MW-4	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG MW-4	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG MW-5	6/10/2010	**2.34**	<0.0022	0.428	<0.0084	
NMG MW-5	9/15/2010	**3.82**	<0.2	0.326	<0.004	
NMG MW-5	4/25/2011	**3.22**	**1.2**	**1.57**	**1.57**	
NMG MW-5	9/14/2011	**0.0375**	<0.004	0.135	<0.008	
NMG MW-5	3/7/2012	0.0039	<0.002	0.229	<0.004	
NMG MW-6	6/10/2010	0.00061	<0.00043	0.0309	<0.0017	
NMG MW-6	9/15/2010	0.00061	<0.002	0.0155	<0.004	
NMG MW-6	4/25/2011	0.00039	<0.002	<0.002	<0.002	
NMG MW-6	9/14/2011	0.0005	<0.002	0.0067	<0.004	
NMG MW-6	3/7/2012	0.00062	<0.002	0.0011	<0.004	
NMG MW-7	6/10/2010	**0.0325**	<0.00043	0.0152	0.0115	
NMG MW-7	9/15/2010	**0.0194**	<0.002	0.009	0.0011	
NMG MW-7	4/25/2011	**0.0191**	0.0084	0.0042	0.0042	
NMG MW-7	9/14/2011	**0.0273**	<0.002	0.0154	0.013	
NMG MW-7	3/7/2012	**0.0261**	<0.002	0.0144	0.0086	
NMG MW-8	6/10/2010	<.0005	<0.00043	<0.00055	<0.0017	
NMG MW-8	9/15/2010	<0.001	<0.002	<0.002	<0.004	
NMG MW-8	4/25/2011	<0.001	<0.002	<0.002	<0.002	
NMG MW-8	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG MW-8	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG MW-9	6/10/2010	<.005	<0.00043	<0.00055	<0.0017	
NMG MW-9	9/15/2010	<0.001	<0.002	<0.002	<0.004	
NMG MW-9	4/25/2011	<0.001	<0.002	<0.002	<0.002	
NMG MW-9	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG MW-9	3/7/2012	<0.001	<0.002	<0.002	<0.004	

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Comission Groundwater Standards		**0.01**	**0.75**	**0.75**	**0.62**	
NMG MW-10	6/10/2010	**0.438**	0.0015	0.157	0.26	
NMG MW-10	9/15/2010	**0.4**	<0.002	0.131	0.1078	
NMG MW-10	4/25/2011	**0.413**	0.441	0.133	0.133	
NMG MW-10	9/14/2011	**0.282B**	<0.010	0.105	0.155	
NMG MW-10	3/7/2012	**0.219**	<0.002	0.085	0.0993	Duplicate B sample collected
NMG MW-11	6/10/2010	<.0005	<0.00043	<0.00055	<0.0017	
NMG MW-11	9/15/2010	<0.001	<0.002	<0.002	<0.004	
NMG MW-11	4/25/2011	<0.001	<0.002	<0.002	<0.002	
NMG MW-11	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG MW-11	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG MW-12	6/10/2010	0.0085	<0.00043	0.0154	<0.0017	
NMG MW-12	9/15/2010	0.00091	<0.002	0.0034	<0.004	
NMG MW-12	4/25/2011	0.0011	<0.002	<0.002	<0.002	
NMG MW-12	9/14/2011	0.0013	<0.002	<0.002	<0.004	
NMG MW-12	3/7/2012	0.0062	<0.002	<0.002	<0.004	
NMG MW-13	6/10/2010	<.0005	<0.00043	<0.00055	<0.0017	
NMG MW-13	9/15/2010	<0.001	<0.002	<0.002	<0.004	
NMG MW-13	4/25/2011	<0.001	<0.002	<0.002	<0.002	
NMG MW-13	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG MW-13	3/7/2012	<0.001	<0.002	<0.002	<0.004	

Notes:

1.) The environmental cleanup standards for water that are applicable to the site are the New Mexico Water Quality Control Commission (NMWQCC) Groundwater

2.) Data presented for all well locations includes previous four sampling events, when available. Historic groundwater analytical results for these locations are available

Bold red values indicate an exceedance of the NMWQCC groundwater standards for the Site.

Sample locations are shown on Figure 2 and analytical results are illustrated on Figure 4.

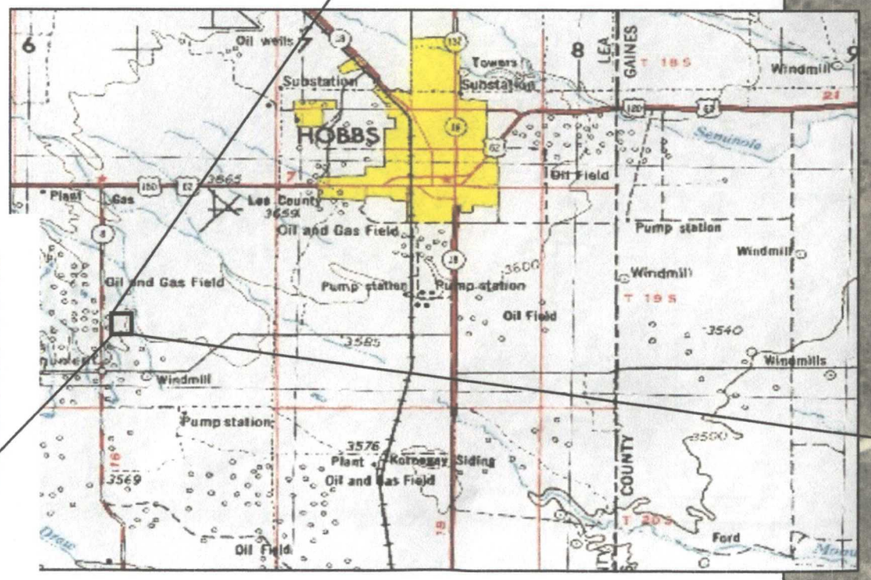
LNAPL = Light Non-Aqueous Phase Liquid

NS = Not Sampled.

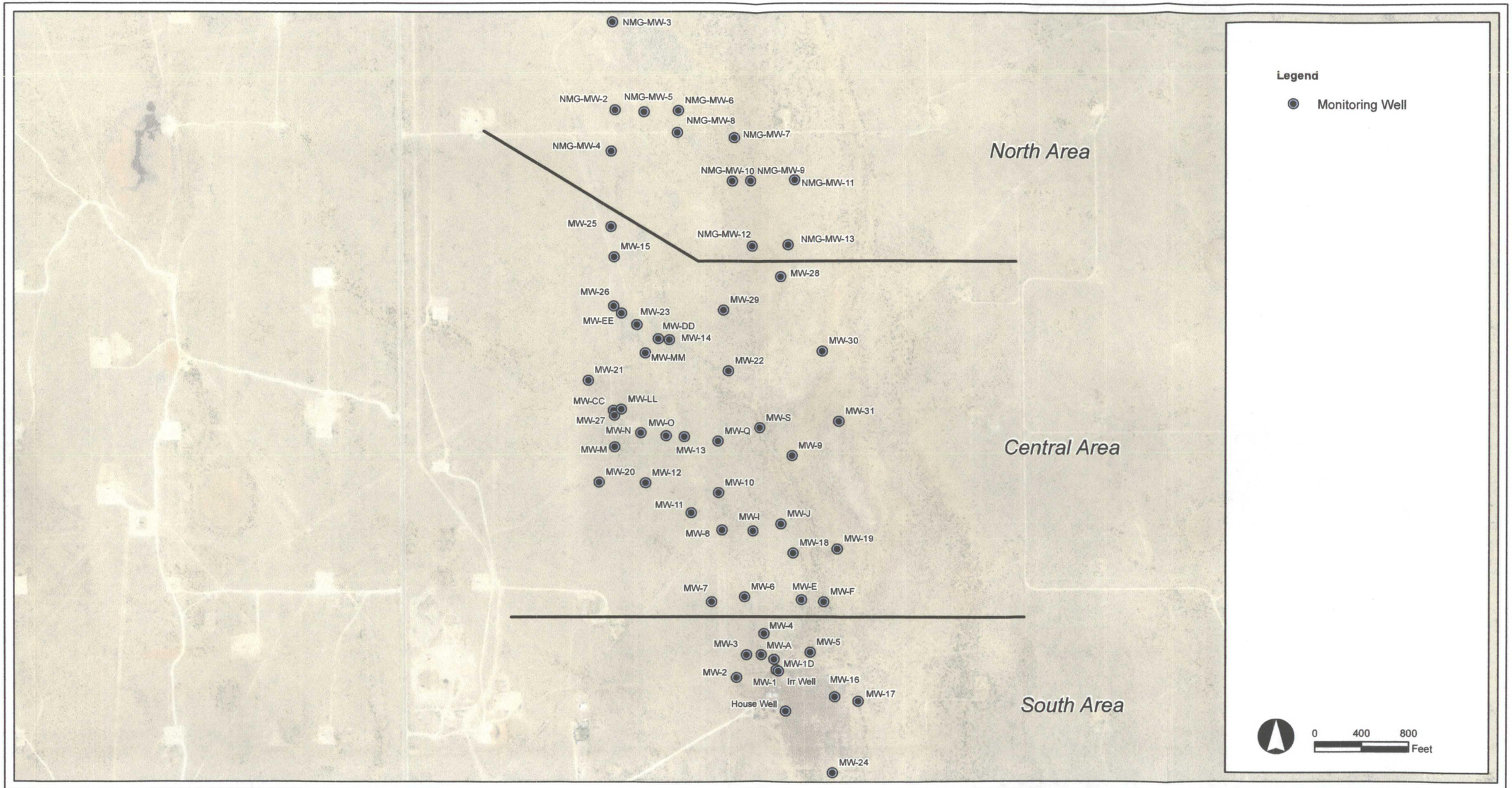
mg/L = milligrams per liter.

B - indicates analyte found in associated method blank

Figures



DESIGNED BY: C. Wasko DRAWN BY: J. Clonts SHEET CHK'D BY: CROSS CHK'D BY: APPROVED BY: APPROVED BY:	Tasman Geosciences Tasman Geosciences, LLC 5690 Webster St. Arvada, CO 8002 720-988-2024	**ELDRIDGE PIPELINE RELEASE** *First Half 2012 Semi-Annual Groundwater Monitoring Summary Report*	SITE LOCATION	FIGURE 1



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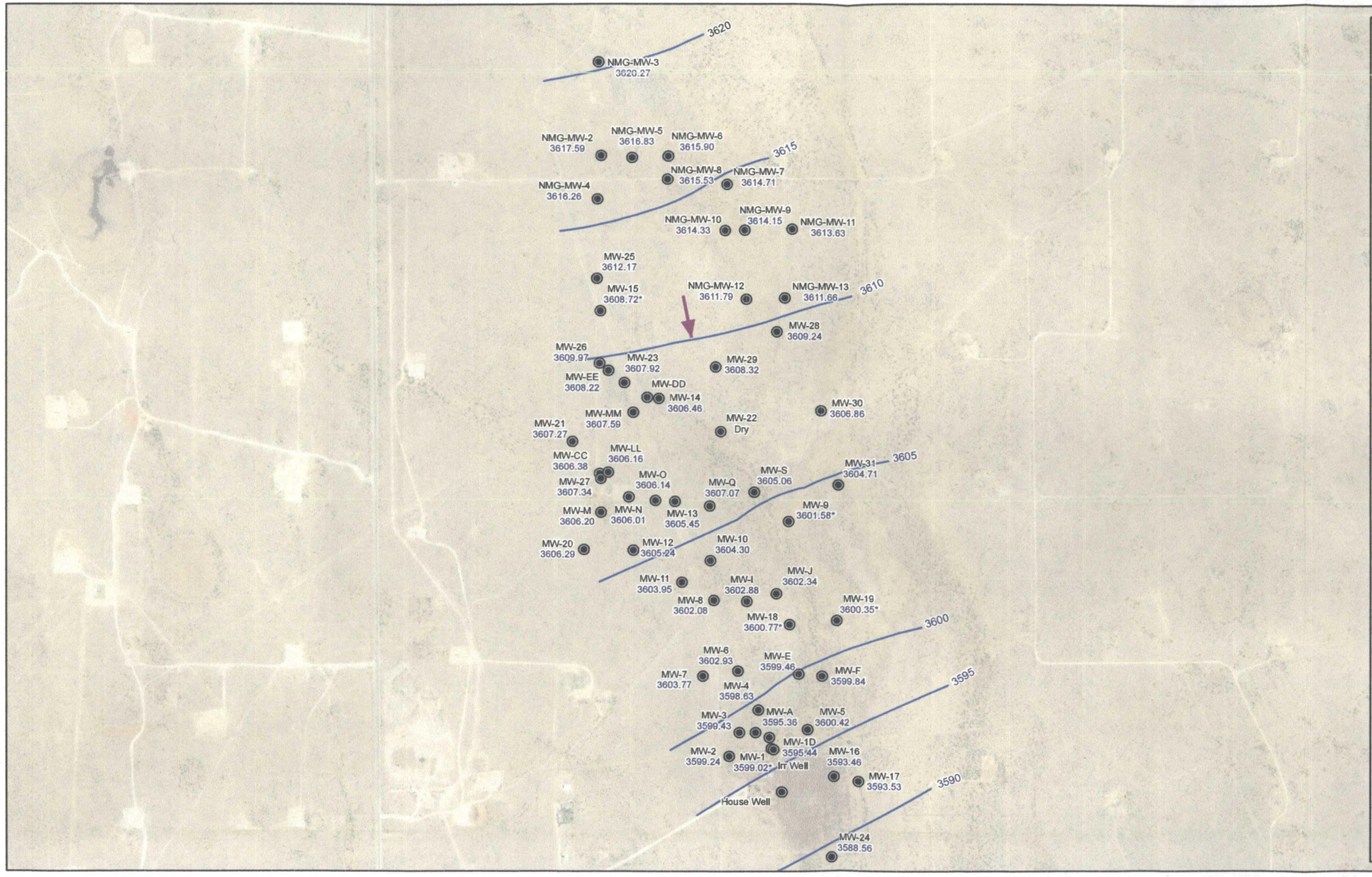

Legend

- Monitoring Well
- Groundwater Elevation Contour Line (feet AMSL), Dashed Where Inferred
- 3610 Measured Groundwater Elevation (feet AMSL)
- Groundwater Flow Direction

Notes:

* Groundwater elevation not used to calculate potentiometric surface.

MW-Dd could not be located

Not Measured - House Well and Irrigation Well

0 425 850 Feet

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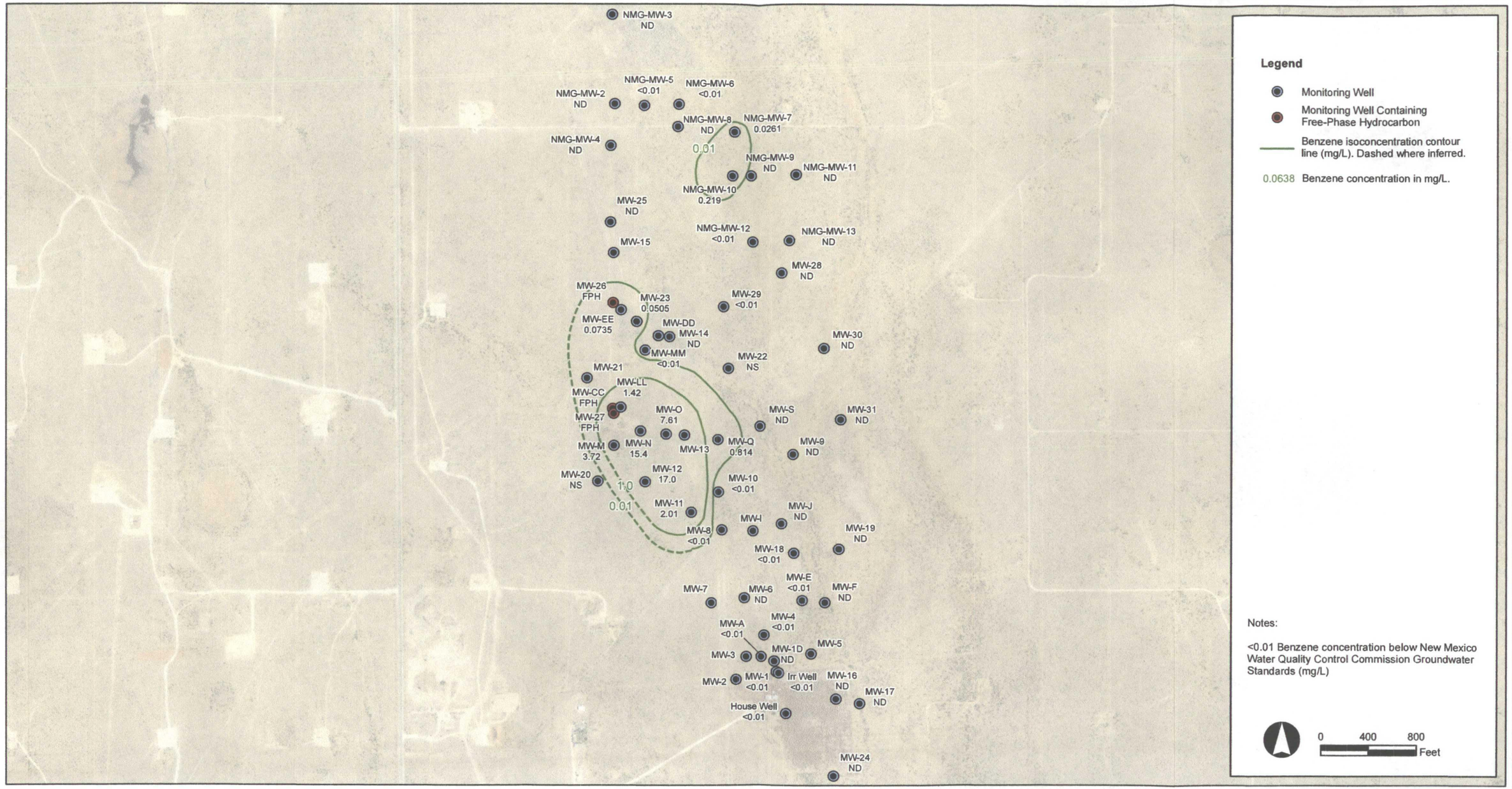

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Appendix A

Laboratory Analytical Reports