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January 14, 2013

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

**RE: 2nd 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 2nd 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).

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: Geoffrey Leking, OCD Hobbs District Office (Copy on CD)
Environmental Files

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Second Half 2012 Semi-Annual Groundwater Monitoring Summary Report

Eldridge Ranch
Lea County, New Mexico
AP-33

Prepared for:



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Denver, CO 80202

Prepared by:



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October 21, 2012

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1. Introduction

This report summarizes the semi-annual groundwater monitoring and remediation activities conducted September 5-7, 2012 at the Eldridge Ranch Pipeline Release (Site) in Lea County, New Mexico (Figure 1). Tasman Geosciences, LLC (Tasman) conducted these activities on behalf of DCP Midstream, LP (DCP). The field activities described herein were performed with the purpose of monitoring groundwater flow and quality and assessing the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons within the Site subsurface. The data collected during the reporting period 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 second 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 second half 2012, groundwater levels were measured at fifty-six monitoring well locations. MW-17 was not gauged due obstructions within the well. LNAPL was detected with an oil-water interface probe within monitoring wells MW-26 (0.35-feet) and MW-CC (0.69-feet) where the measured thickness in

feet is indicated in parenthesis. LNAPL detections historically observed in MW-27 were not detected by an oil-water interface probe during the September monitoring event. A bailer was dropped into the well to determine the current state of the potentiometric surface and a visual thickness of approximately 0.41 feet of LNAPL was observed. 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 second half 2012 monitoring event, as well as historical elevations, are presented in Table 1. A second half 2012 groundwater elevation contour map is provided as Figure 3. Groundwater elevations ranged from 3,587.81 feet AMSL at monitoring well MW-24 to 3,620.13 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 ($^{\circ}\text{C}$) 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-eight monitoring wells. Monitoring wells MW-26, MW-27, and MW-CC were not sampled due to the presence of LNAPL. MW-17 was not sampled due to an obstruction within the well. 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 second 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-four of the sampled monitoring wells. Detected concentrations ranged from 0.00032 milligrams per liter (mg/L) in MW-19 to 13.7 mg/L in MW-N. The New Mexico Water Quality Control Commission (NMWQCC) groundwater standard for

benzene, 0.01 mg/L, was exceeded in monitoring wells MW-10, 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 second half 2012 monitoring period with a concentration of 3.47 mg/L.
- Ethylbenzene was detected in twenty-one of the monitoring wells during the second half semi-annual sampling event. The NMWQCC groundwater standard for ethylbenzene (0.75 mg/L) was not in exceedance in any of the samples collected.
- Total xylenes were detected in the Irrigation Well, MW-4, MW-5, MW-8, MW-11, MW-23, MW-A, MW-M, MW-N, MW-LL, NMG MW-7, and NMG MW-10, with concentrations ranging from 0.0024 mg/L in MW-LL, to 2.0 mg/L in MW-N. The NMWQCC groundwater standard (0.62 mg/L) was in exceeded in monitoring well MW-N with a concentration of 2.0 mg/L.

Table 2 summarizes BTEX concentrations in groundwater samples collected during the second 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 September 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 second 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 0.004 mg/L and 0.0048 mg/L, respectively. NMG MW-10 and Dup-B returned results for benzene of 0.192 mg/L and 0.168 mg/L respectively and MW-8 and Dup-C returned results for benzene of 0.0026 mg/L and 0.0029 mg/L respectively.

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

Site remediation activities are described in the following Sections.

4.1 Vacuum Enhanced LNAPL Recovery

Enhanced Fluid Recovery (EFR) has been implemented at the site to address LNAPL observed in monitoring wells MW-26, MW-27 and MW-CC. An initial vacuum EFR event was conducted on June 20, 2012 with a subsequent event conducted on September 6, 2012. The table below summarizes the duration of the EFR event at each well, measured LNAPL levels before and after the EFR events, fluid extraction flow rates, and the total gallons of mixed fluids that were removed from each well.

VACUUM EFR EVENTS						
Well ID	Date	Duration¹	LNAPL Start²	LNAPL End²	Flow Rate³	Total Gallons
MW-26	06/20/2012	3.25	1.17	0.0	2	420
	09/06/2012	4.5	0.35	0.0	0.78	210
MW-27	06/20/2012	4	0.69	0.0	5.25	1,260
	09/06/2012	NA	0.41	0.0	NA	25
MW-CC	06/20/2012	4.25	0.67	0.0	4.9	1,260
	09/06/2012	4.5	0.69	0.0	0.78	210

Notes:

- 1) Duration of the EFR events are reported in hours.
- 2) Measured LNAPL levels are reported in feet.
- 3) The extraction flow rates are reported in gallons per minute (gpm).

During the September 6, 2012 EFR event no measureable LNAPL was detected within MW-27 using an IP, however subsequent purging of the well with a disposable bailer indicated an LNAPL thickness of approximately 0.41 ft was present within the well. A hand bailer was used to purge LNAPL volume from MW-27 with the recovered liquids combined with liquids recovered from MW-26 and MW-CC during the EFR event. All recovered liquids were subsequently transported to and disposed of at the Cooper Disposal Facility in Hobbs, New Mexico. Should LNAPL be observed within the wells during the first half 2013 semi-annual event, subsequent vacuum EFR events will be conducted.

LNAPL thickness measurements subsequent to enhanced vacuum recovery from MW-26 and MW-CC and hand-bailing from MW-27 (September 6 event only) indicate no measurable LNAPL was present immediately following remedial activities.

4.2 Monitored Natural Attenuation

Natural attenuation continues to demonstrate effective passive remediation of the dissolved-phase hydrocarbon groundwater plumes on Site. Monitoring wells NMG MW-13, MW-30, MW-31, MW-F, MW-24, and MW-16, serving as down gradient “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 second half 2012 semi-annual data, it appears that natural attenuation provides effective remediation of residual dissolved-phase impacts at the Site.

5. Conclusions

While the dissolved phase hydrocarbon impacts exceeded the regulatory limits in 12 of the sampled monitoring wells, concentrations continue to show declining trends across the Site. The analytical data from the second half 2012 sampling event for the remaining wells support these observations, by area, as described below:

NORTH AREA

- In the second half 2012 semi-annual event, benzene concentrations in NMG MW-5 dropped an additional order of magnitude from the previous monitoring event, thus establishing a second monitoring event with constituent levels below the NMWQCC groundwater standard. However, 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 September 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 groundwater is not advancing.

CENTRAL AREA

- Benzene concentrations remained highest in the Central Area. Free product was detected in monitoring well MW-CC in the central portion and MW-26 at the northwest corner. MM-27 should also be classified with measureable LNAPL, although it was not detected in-situ by the IP during the second half 2012.
- Monitoring wells MW-30, 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 zone is not advancing to the south or east.
- During the September 2012 event, benzene concentrations in MW-12 and MW-LL, both located within the center of dissolved and free phase petroleum hydrocarbon impacts, decreased significantly from the previous reporting period. Although concentrations are still in

exceedance of NMWQCC groundwater standards, the constituents decreasing trend demonstrates effective natural attenuation.

SOUTH AREA

- Benzene concentrations in the House Well fell below laboratory detection limits during the second half semi-annual monitoring event, thus validating successful natural attention as discussed in the section above.
- Boundary well MW-24 in the South Area continues to exhibit non-detect dissolved phase BTEX concentrations in groundwater, indicating that the impacted area is not expanding.

6. Recommendations

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

- Conduct vacuum EFR during the next semi-annual event to further LNAPL removal on wells MW-26 and MW-CC. Monitor LNAPL behavior in MW-27 and if it is observed during the next monitoring event, conduct EFR in conjunction with the two neighboring wells.
- 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
SECOND 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-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-1	9/7/2012	19.53			29.49	3618.22	3598.69	-0.33
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-1D	9/7/2012	21.05			48.38	3616.18	3595.13	-0.31
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-2	9/7/2012	22.64			28.92	3621.63	3598.99	-0.25
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-3	9/7/2012	22.60				3621.67	3599.07	-0.36
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-4	9/7/2012	22.13			29.34	3621.31	3599.18	0.55
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-5	9/7/2012	18.19			27.55	3618.08	3599.89	-0.53
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-6	9/7/2012	21.70			29.83	3624.99	3603.29	0.36
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-7	9/7/2012	27.12				3630.62	3603.50	-0.27
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
MW-8	9/6/2012	23.52			32.49	3625.92	3602.40	-0.40
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

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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-9	3/7/2012	19.20			29.72	3620.78	3601.58	-0.04
MW-9	9/6/2012	19.76			29.72	3620.78	3601.02	-0.56
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-10	9/6/2012	23.40			32.81	3627.27	3603.87	-0.43
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-11	9/6/2012	23.95			32.72	3627.56	3603.61	-0.34
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-12	9/6/2012	26.22			34.27	3631.14	3604.92	-0.32
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	-1.02
MW-13	9/6/2012	27.92				3632.9	3604.98	-0.47
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-14	9/6/2012	24.28			34.06	3630.36	3606.08	-0.38
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-15	9/6/2012	26.90				3635.47	3608.57	-0.15
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-16	9/7/2012	18.56			27.98	3611.54	3592.98	-0.48
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-17	9/7/2012	NM ⁽⁴⁾			27.51	3608.83	NM	NM
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
MW-18	9/6/2012	23.41			34.94	3623.53	3600.12	-0.65

TABLE 1
SECOND 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-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-19	9/7/2012	18.41			29.95	3617.99	3599.58	-0.77
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-20	9/8/2012	31.19			35.22	3637.14	3605.95	-0.34
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-21	9/5/2012	NM				3633.27	NM	NM
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	NM	NM
MW-22	9/6/2012	22.70				3628.68	3605.98	NM
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-23	9/6/2012	24.33			32.98	3632.02	3607.69	-0.23
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-24	9/7/2012	21.34			37.35	3609.15	3587.81	-0.25
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-25	9/5/2012	28.05			35.44	3640.14	3612.09	-0.08
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-26*	9/6/2012	25.45	25.10	0.35		3635.01	3609.82	-0.15
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-27	9/6/2012	29.30				3636.41	3607.11	-0.23

TABLE 1
SECOND 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-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
MW-28	9/5/2012	23.66			32.15	3632.58	3608.92	-0.32
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-29	9/6/2012	26.08			34.83	3634.17	3608.09	-0.23
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-30	9/6/2012	24.28			32.53	3630.76	3606.48	-0.38
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-31	9/6/2012	21.20			28.55	3625.38	3604.18	-0.53
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-A	9/7/2012	21.26			26.64	3616.26	3595.00	-0.36
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-E	9/7/2012	21.60			28.58	3620.44	3598.84	-0.62
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-F	9/7/2012	17.38			27.1	3616.44	3599.06	-0.78
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-I	9/6/2012	25.16			36.63	3627.63	3602.47	-0.41
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-J	9/6/2012	22.99			28.2	3624.79	3601.80	-0.54

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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-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
MW-M	9/6/2012	28.25			40.57	3634.1	3605.85	-0.35
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-N	9/6/2012	29.72			38.8	3635.45	3605.73	-0.28
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-O	9/6/2012	28.40			38.62	3634.05	3605.65	-0.49
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-Q	9/6/2012	25.00			36.93	3631.59	3606.59	-0.48
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-S	9/6/2012	17.61			31.19	3622.2	3604.59	-0.47
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-CC*	9/6/2012	29.75	29.06	0.69		3635.22	3605.99	-0.39
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-EE	9/6/2012	24.30			34.38	3632.32	3608.02	-0.20
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-LL	9/6/2012	29.72			39.65	3635.41	3605.69	-0.47
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
MW-MM	9/6/2012	24.35			36.82	3631.61	3607.26	-0.33

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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 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 MW2	9/5/2012	29.52			37.28	3646.9	3617.38	-0.21
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
NMG MW3	9/5/2012	29.67			39.25	3649.8	3620.13	-0.14
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 MW4	9/5/2012	30.04			36.81	3646.08	3616.04	-0.22
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 MW5	9/5/2012	32.00			38.65	3648.55	3616.55	-0.28
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 MW6	9/5/2012	30.94			38.31	3646.62	3615.68	-0.22
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 MW7	9/5/2012	29.74			37.45	3644.18	3614.44	-0.27
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 MW8	9/5/2012	31.92			38.27	3647.18	3615.26	-0.27
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 MW9	9/5/2012	28.31			31.48	3642.12	3613.81	-0.34
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 MW10	9/5/2012	27.75			32.12	3641.78	3614.03	-0.30

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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 MW11	9/5/2012	27.05			32.25	3640.37	3613.32	-0.31
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
NMG MW12	9/5/2012	26.72			32.6	3638.2	3611.48	-0.31
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
NMG MW13	9/5/2012	25.26			27.73	3636.64	3611.38	-0.28
Average change in groundwater elevation since the previous monitoring event								-0.18

Notes:

- 1- Depths measured from the north edge of the well casing.
 - 2- Total depths were collected and recorded during the second 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 monitoring event.
 - 4- MW-17 was not measured due to a biological growth obstruction at 15.47 bgs.
- Data presented for all well locations includes previous four sampling events, when available. Historic groundwater analytical results for these locations may be found in Appendix B.

* 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
SECOND 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 Commission Groundwater Standards (Mg/L)		0.01	0.75	0.75	0.62	
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-1	9/7/2012	0.0023	<0.002	0.0156	<0.003	
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-1D	9/7/2012	<0.001	<0.002	<0.002	<0.003	
MW-4	9/15/2010	<0.005	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-4	9/7/2012	0.00059	0.0012	0.078	0.29	
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-5	9/7/2012	0.00034	<0.002	0.0073	0.0253	
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-6	9/7/2012	<0.001	<0.002	<0.002	<0.003	
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-8	9/6/2012	0.0029	<0.002	0.131	0.344	Duplicate C sample collected
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-9	9/6/2012	<0.001	<0.002	<0.002	<0.003	
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	
MW-10	9/6/2012	0.0102	<0.002	0.0012	<0.003	
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-11	9/6/2012	1.85	<0.05	0.139	0.0774	

TABLE 2
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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 Commission Groundwater Standards (Mg/L)		0.01	0.75	0.75	0.62	
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-12	9/6/2012	7.12	<0.20	0.337	<0.30	
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-14	9/6/2012	<0.001	<0.002	<0.002	<0.003	
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-16	9/7/2012	<0.001	<0.002	<0.002	<0.003	
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-17 ⁽³⁾	9/7/2012	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-18	9/6/2012	<0.001	<0.002	<0.002	<0.003	
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-19	9/7/2012	0.00032	<0.002	<0.002	<0.003	
MW-20	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-20	3/8/2012	NS	NS	NS	NS	
MW-20	9/7/2012	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	
MW-22	9/6/2012	<0.001	<0.002	<0.002	<0.003	
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-23	9/6/2012	0.029	<0.002	0.094	0.0032	

TABLE 2
SECOND 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 Commission Groundwater Standards (Mg/L)		0.01	0.75	0.75	0.62	
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-24	9/7/2012	<0.001	<0.002	<0.002	<0.003	
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-25	9/5/2012	<0.001	<0.002	<0.002	<0.003	
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-26	9/7/2012	NS	NS	NS	NS	
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-28	9/5/2012	<0.001	<0.002	<0.002	<0.003	
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-29	9/6/2012	<0.001	<0.002	<0.002	<0.003	
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-30	9/6/2012	<0.001	<0.002	<0.002	<0.003	
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	
MW-31	9/6/2012	<0.001	<0.002	<0.002	<0.003	
House Well	9/15/2010	<0.00058	<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	
House Well	9/6/2012	<0.001	<0.002	<0.002	<0.003	
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
Irrigation Well	9/6/2012	0.0048	<0.002	0.015	0.0114	Duplicate A sample collected

TABLE 2
SECOND 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 Commission Groundwater Standards (Mg/L)		0.01	0.75	0.75	0.62	
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-A	9/7/2012	0.00087	<0.002	0.076	0.206	
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-E	9/7/2012	0.0018	<0.002	<0.002	<0.003	
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-F	9/7/2012	<0.001	<0.002	<0.002	<0.003	
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-I	9/6/2012	0.00043	<0.002	<0.002	<0.003	
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-J	9/6/2012	<0.001	<0.002	<0.002	<0.003	
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	
MW-M	9/6/2012	1.27	<0.10	0.188	0.107	
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-N	9/6/2012	13.7	3.47	0.603	2.000	
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-O	9/6/2012	8.04	<0.10	0.185	<0.15	
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-Q	9/6/2012	0.738	<0.002	0.0062	<0.003	

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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 Commission Groundwater Standards (Mg/L)		0.01	0.75	0.75	0.62	
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-S	9/6/2012	<0.001	<0.002	<0.002	<0.003	
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-EE	9/6/2012	0.0964	<0.002	0.0011	<0.003	
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-LL	9/6/2012	0.523	<0.002	0.0261	0.0024	
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	
MW-MM	9/6/2012	0.002	<0.002	0.0041	<0.003	
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	
NMG MW-2	9/5/2012	<0.001	<0.002	<0.002	<0.003	
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-3	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG MW-4	6/10/2010	<0.005	<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-4	9/5/2012	<0.001	<0.002	<0.002	<0.003	
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-5	9/5/2012	0.00083	<0.002	0.153	<0.003	
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-6	9/5/2012	0.00038	<0.002	0.00066	<0.003	

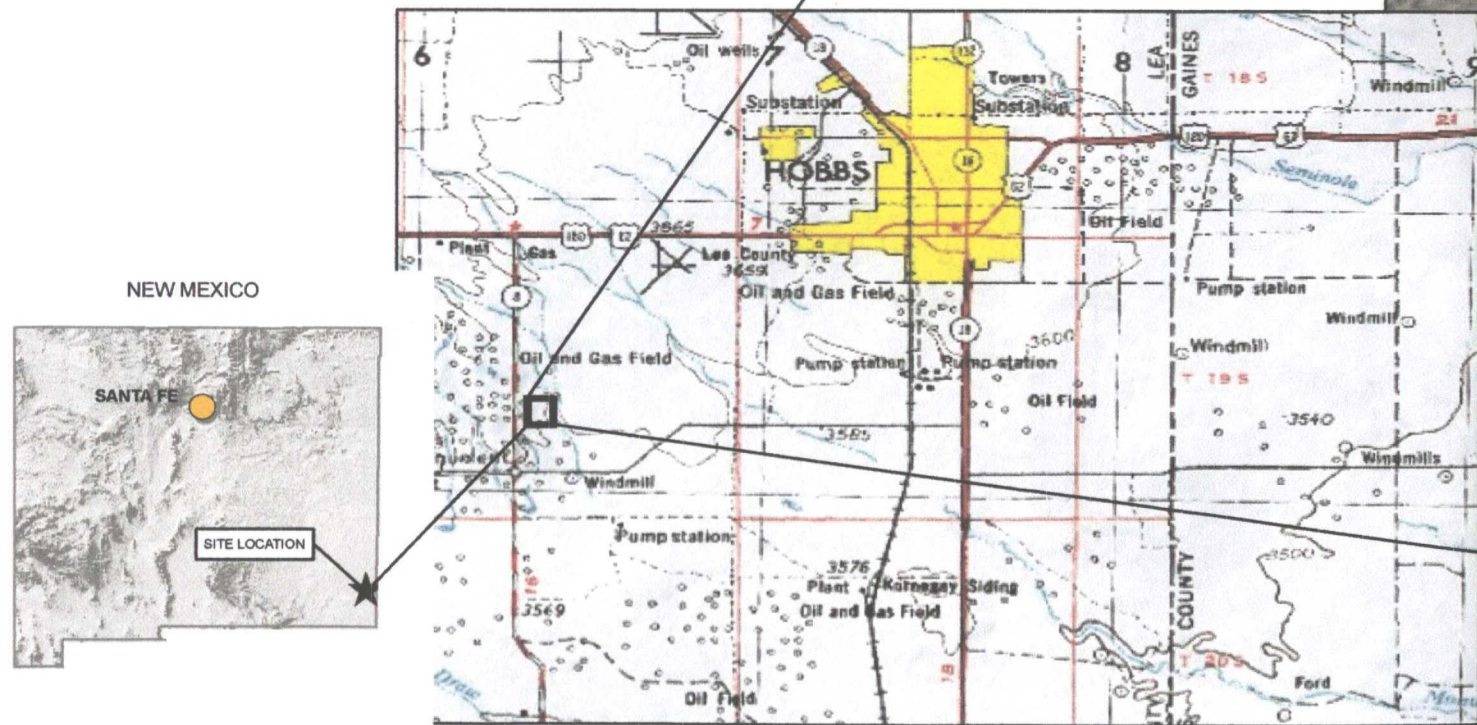
TABLE 2
SECOND HALF 2012 SEMI-ANNUAL
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards (Mg/L)		0.01	0.75	0.75	0.62	
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-7	9/5/2012	0.0188	<0.002	0.0082	0.0043	
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-8	9/5/2012	<0.001	<0.002	<0.002	<0.003	
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	
NMG MW-9	9/5/2012	<0.001	<0.002	<0.002	<0.003	
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-10	9/5/2012	0.192	<0.002	0.0836	0.0895	Duplicate B sample collected
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-11	9/5/2012	<0.001	<0.002	<0.002	<0.003	
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-12	9/5/2012	0.0012	<0.002	<0.002	<0.003	
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	
NMG MW-13	9/5/2012	<0.001	<0.002	<0.002	<0.003	

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 may be found in Appendix B.
 - 3.) MW-17 was not sampled due to a biological growth obstruction.
- 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: _____

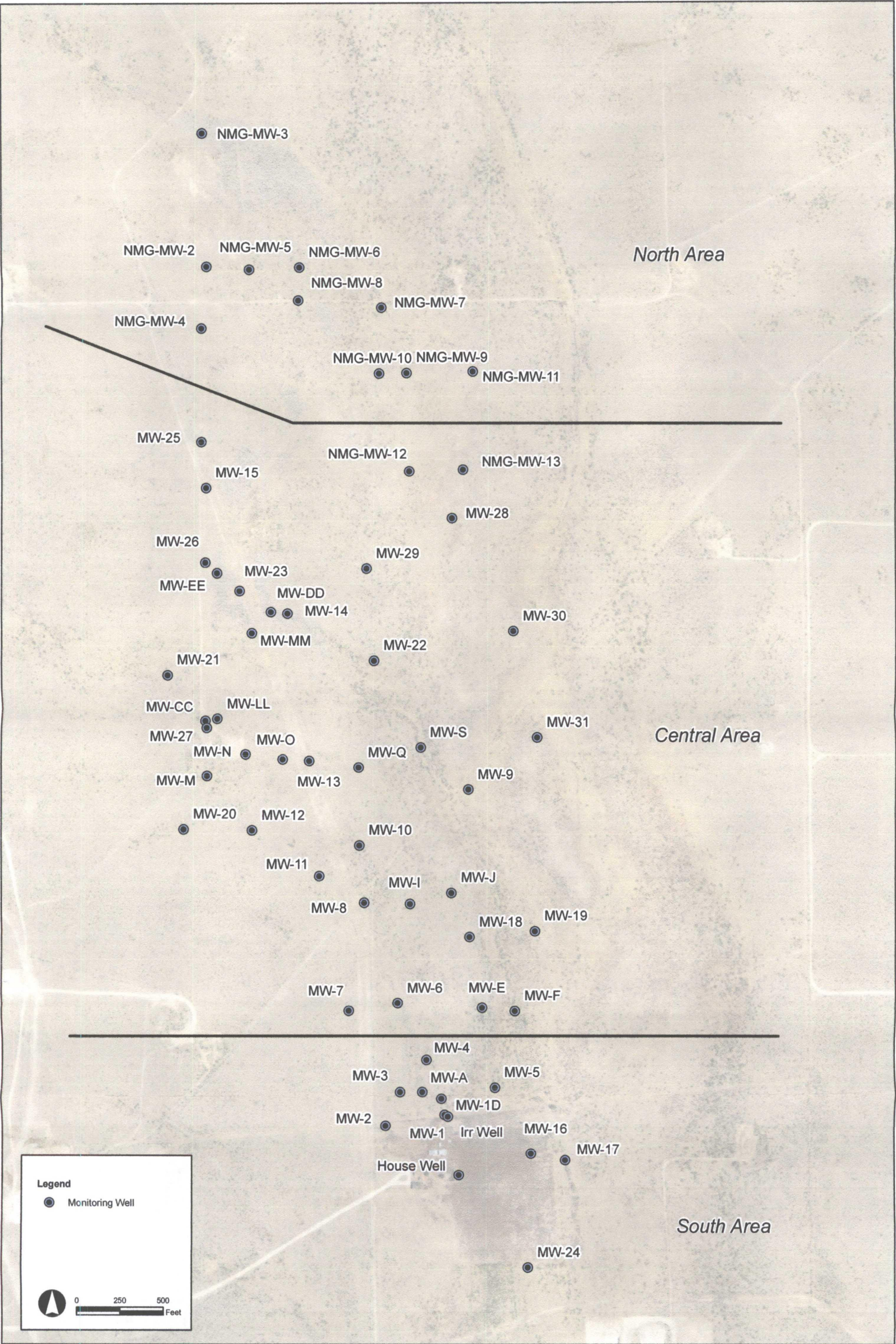


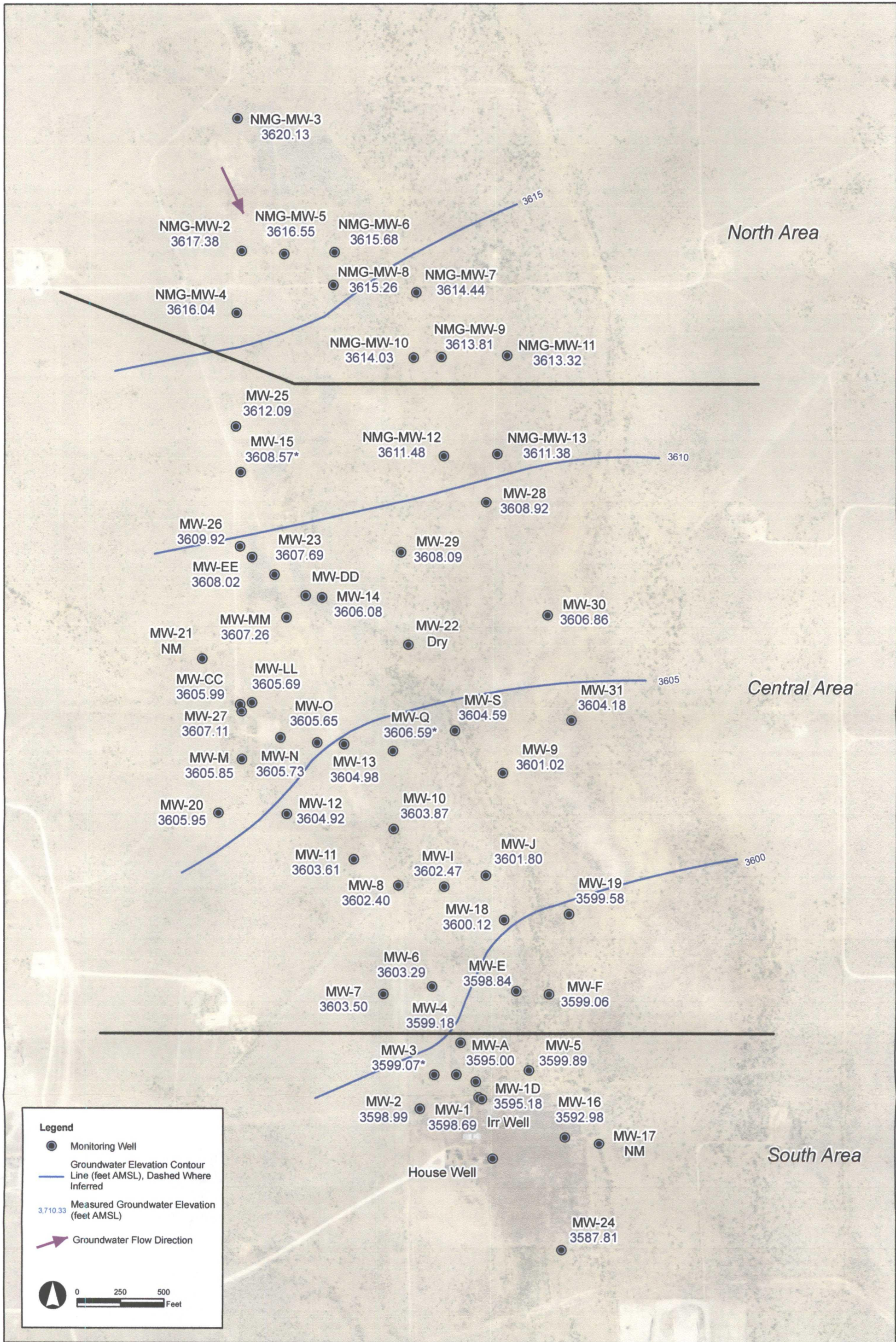
Tasman Geosciences, LLC
5690 Webster St.
Arvada, CO 8002
720-988-2024

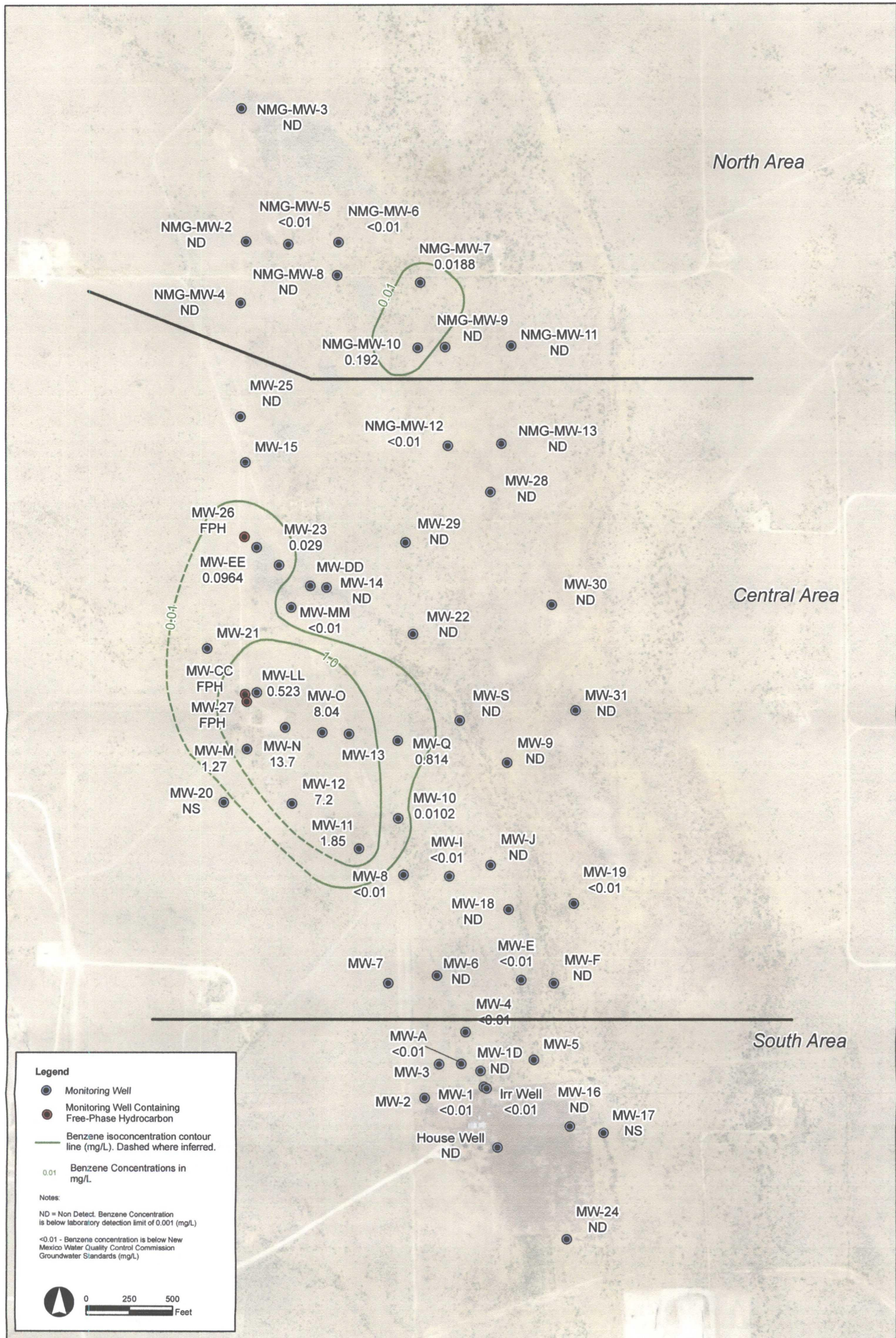
ELDRIDGE PIPELINE RELEASE
*Second Half 2012 Semi-Annual
Groundwater Monitoring
Summary Report*

SITE LOCATION

FIGURE
1







DESIGNED BY: C. Wesko

DRAWN BY: J. Clonts

SHEET CHKD BY:

CROSS CHKD BY:

APPROVED BY:

APPROVED BY:



Tasman Geosciences

Tasman Geosciences, LLC
5690 Webster St.
Arvada, CO 8002
720-968-2024

ELDRIDGE PIPELINE RELEASE

Second Half Semi-Annual
Groundwater Monitoring
Summary Report

BENZENE
ISOCONCENTRATION
CONTOUR MAP
(SEPTEMBER 5-7, 2012)

FIGURE
4

Appendix A
Laboratory Analytical Results

Appendix B
Historical Analytical Results

**APPENDIX B
HISTORICAL DATA
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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-1	3/1/2008	1.4	0.0395	0.948	0.128	
MW-1	3/18/2008	0.0125	<0.00048	0.062	0.0952	
MW-1	6/1/2008	2.75	0.054	2.17	0.232	
MW-1	9/1/2008	1.1	0.0375	0.845	0.131	
MW-1	12/1/2008	0.869	0.0385	0.581	0.0709	
MW-1	12/4/2008	0.0065	<0.00048	0.0274	0.0356	
MW-1	3/1/2009	0.288	0.0149	0.107	0.0395	
MW-1	3/10/2009	<0.00046	<0.00048	0.0315	0.0439	
MW-1	5/1/2009	1.38	0.0705	0.175	0.065	
MW-1	5/20/2009	0.0069	<0.00048	0.0309	0.0438	
MW-1	9/1/2009	0.267	0.024	0.0332	0.0078	
MW-1	9/22/2009	0.0055	<0.00043	0.0147	0.0149	
MW-1	12/1/2009	0.819	0.088	0.0267	0.012	
MW-1	12/19/2009	0.006	<0.00043	0.0143	0.0205	
MW-1	3/23/2010	0.726	0.0879	0.107	0.0278	
MW-1	3/23/2010	0.0046	<0.002	0.0216	0.0266	
MW-1	3/23/2010	0.0041	<0.00043	0.021	0.0258	
MW-1	6/10/2010	0.0031	<0.0043	0.0182	0.0208	
MW-1	6/30/2010	0.0031	<0.00043	0.0182	0.0208	
MW-1	9/15/2010	0.0073	<0.01	0.035	0.0369	
MW-1	9/16/2010	0.0073	<0.0050	0.035	-	
MW-1	4/25/2011	0.0053	<0.002	0.0302	0.0302	
MW-1	4/27/2011	0.0053	<0.0010	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-1	9/7/2012	0.0023	<0.002	0.0156	<0.003	
MW-1D	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-1D	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-1D	3/10/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-1D	5/20/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-1D	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-1D	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-1D	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-1D	6/30/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-1D	9/16/2010	<0.00030	<0.0010	<0.00030	-	
MW-1D	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-1D	6/10/2010	<0.0005	<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	4/27/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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-1D	9/7/2012	<0.001	<0.002	<0.002	<0.003	

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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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-2	3/1/2008	8.98	0.135	6.58	0.765	
MW-2	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-2	6/1/2008	24.3	0.319	18.5	2.58	
MW-2	9/1/2008	21.7	0.443	9.79	4.25	
MW-2	12/1/2008	Not Sampled: Remediation Activities				
MW-2	3/1/2009	23.7	0.538	2.34	1.25	
MW-2	5/1/2009	32.7	0.791	1.31	1.69	
MW-2	9/1/2009	29.3	0.491	0.771	0.371	
MW-2	12/1/2009	28.5	0.57	0.347	0.177	
MW-2	3/1/2010	23.8	0.529	0.71	<1.2	
MW-2	9/7/2012	NS	NS	NS	NS	
MW-3	3-2008	0.759	0.0355	0.849	0.0786	
MW-3	6-2008	6.18	0.287	9.46	1.23	
MW-3	9-2008	2.45	0.145	3.62	114	
MW-3	12-2008	0.761	0.0492	0.938	0.158	
MW-3	3-2009	4.03	0.18	2.83	0.61	
MW-3	5-2009	14.7	0.808	12.6	1.64	
MW-3	9-2009	5.5	0.271	1.09	<0.006	
MW-3	12-2009	13.1	1.2	9.08	2.87	
MW-3	3-2010	8.43	1.01	9.14	2.71	
MW-3	9/7/2012	NS	NS	NS	NS	
MW-4	3/1/2008	0.0102	<0.002	0.0093	0.0023	
MW-4	3/18/2008	0.0047	0.069	0.233	0.792	
MW-4	6/1/2008	0.0439	0.0068	0.0256	0.0147	
MW-4	9/1/2008	0.514	0.0203	0.443	0.125	
MW-4	12/1/2008	1.32	0.0812	1.35	0.239	
MW-4	12/4/2008	0.0038	0.0291	0.225	0.682	
MW-4	3/1/2009	3.61	0.164	3.4	0.831	
MW-4	3/10/2009	<0.00046	0.0299	0.18	0.577	
MW-4	5/1/2009	4.7	0.428	2.94	1.03	
MW-4	5/20/2009	0.0039	0.0255	0.241	0.761	
MW-4	9/1/2009	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	9/22/2009	0.003	0.0119	0.191	0.544	
MW-4	12/1/2009	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	12/19/2009	0.0018	0.0115	0.185	0.585	
MW-4	3/1/2010	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	3/23/2010	<.01	0.006	0.181	0.599	
MW-4	3/23/2010	<0.0025	<0.0022	0.181	0.599	
MW-4	6/10/2010	<0.0025	0.003	0.145	0.469	
MW-4	6/30/2010	<0.0025	0.003	0.145	0.469	
MW-4	9/15/2010	<.005	0.0022	0.197	0.5378	
MW-4	9/16/2010	<0.0015	0.0064	0.189	-	
MW-4	4/25/2011	0.0013	0.0022	0.159	0.481	
MW-4	4/27/2011	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-4	9/7/2012	0.00059	0.0012	0.078	0.29	

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LEA COUNTY, NEW MEXICO**

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New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-5	3/1/2008	0.0019	<0.002	0.0012	<0.006	
MW-5	3/18/2008	0.002	0.001	0.0161	0.0653	
MW-5	6/1/2008	0.0037	<0.002	0.0037	<0.006	
MW-5	9/1/2008	0.0038	<0.002	0.0037	<0.006	
MW-5	12/1/2008	0.0031	<0.002	0.004	<0.006	
MW-5	12/4/2008	<0.00046	<0.00048	0.0161	0.0542	
MW-5	3/1/2009	0.0067	<0.002	0.0074	<0.006	
MW-5	3/10/2009	<0.00046	<0.00048	0.0165	0.0634	
MW-5	3/23/2010	0.0007	<0.00043	0.017	0.057	
MW-5	5/1/2009	0.0064	<0.002	0.0089	<0.006	
MW-5	5/20/2009	<0.00046	<0.00048	0.0055	0.0223	
MW-5	9/1/2009	0.0082	0.00066	0.0132	<0.006	
MW-5	9/22/2009	0.0005	<0.00043	0.0148	0.0509	
MW-5	12/1/2009	0.0096	0.0013	0.0155	0.0021	
MW-5	12/19/2009	0.00056	<0.00043	0.0185	0.0587	
MW-5	3/1/2010	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	3/23/2010	<0.002	<0.002	0.017	0.057	
MW-5	6/10/2010	NS	NS	NS	NS	
MW-5	9/15/2010	0.00058	<0.002	0.0023	0.0056	
MW-5	9/16/2010	0.00058	<0.0010	0.0023	-	
MW-5	4/25/2011	0.00047	<0.002	0.0122	0.0422	
MW-5	4/27/2011	0.00047	<0.0010	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-5	9/7/2012	0.00034	<0.002	0.0073	0.0253	
MW-6	3/18/2008	<0.00046	<0.00048	0.0164	0.0855	
MW-6	6/1/2008	<0.002	<0.002	<0.002	<0.006	
MW-6	9/1/2008	<0.002	<0.002	<0.002	<0.006	
MW-6	12/1/2008	<0.002	<0.002	<0.002	<0.006	
MW-6	12/4/2008	<0.00046	<0.00048	0.005	0.0226	
MW-6	3/1/2009	<0.002	<0.002	<0.002	<0.006	
MW-6	3/10/2009	<0.00046	<0.00048	0.0027	0.0116	
MW-6	5/1/2009	<0.002	<0.002	<0.002	<0.006	
MW-6	5/21/2009	<0.00046	<0.00048	0.004	0.0173	
MW-6	9/1/2009	<0.002	<0.002	<0.002	<0.006	
MW-6	9/22/2009	<0.00050	<0.00043	0.0018	0.0075	
MW-6	12/12/2009	<0.002	<0.002	<0.002	<0.006	
MW-6	12/19/2009	<0.00050	<0.00043	0.0016	<0.0017	
MW-6	3/1/2010	<0.002	<0.002	<0.002	<0.006	
MW-6	3/23/2010	<0.002	<0.002	0.00095	0.003	
MW-6	3/23/2010	<0.00050	<0.00043	0.00095	0.003	
MW-6	6/10/2010	NS	NS	NS	NS	
MW-6	9/15/2010	<0.002	<0.004	0.000097	<0.004	
MW-6	9/15/2010	<0.00060	<0.0020	0.00097	-	
MW-6	4/27/2011	<0.00030	<0.0010	0.00041	<0.00060	
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-6	9/7/2012	<0.001	<0.002	<0.002	<0.003	

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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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-7	6/1/2008	<0.002	<0.002	<0.002	<0.006	
MW-7	9/1/2008	<0.002	<0.002	<0.002	<0.006	
MW-7	12/1/2008	<0.002	<0.002	<0.002	<0.006	
MW-7	3/1/2009	<0.002	<0.002	<0.002	<0.006	
MW-7	5/1/2009	<0.002	<0.002	<0.002	<0.006	
MW-7	9/1/2009	<0.002	<0.002	<0.002	<0.006	
MW-7	12/1/2009	<0.002	<0.002	<0.002	<0.006	
MW-7	3/1/2010	<0.002	<0.002	<0.002	<0.006	
MW-7	9/7/2012	NS	NS	NS	NS	
MW-8	3/19/2008	0.562	0.0029	0.164	0.437	
MW-8	6/1/2008	0.0384	0.00049	0.0255	0.0016	
MW-8	9/1/2008	0.0301	<0.002	0.0161	0.002	
MW-8	12/1/2008	0.00233	<0.002	0.011	<0.006	
MW-8	12/3/2008	0.256	0.002	0.127	0.324	
MW-8	3/1/2009	0.0218	<0.002	0.0066	<0.006	
MW-8	3/10/2009	0.237	<0.024	0.112	0.413	
MW-8	5/1/2009	0.0098	<0.002	0.0049	<0.006	
MW-8	5/21/2009	0.189	0.0016	0.143	0.37	
MW-8	9/1/2009	<0.002	<0.002	<0.002	<0.006	
MW-8	9/22/2009	0.146	0.0011	0.104	0.27	
MW-8	12/1/2009	<0.002	<0.002	<0.002	<0.006	
MW-8	12/19/2009	0.0852	0.0013	0.0929	0.224	
MW-8	3/1/2010	<0.002	<0.002	<0.002	<0.006	
MW-8	3/23/2010	0.0493	0.00072	0.0728	0.19	
MW-8	3/23/2010	0.0493	0.00072	0.0728	0.19	
MW-8	6/10/2010	NS	NS	NS	NS	
MW-8	9/15/2010	0.0197	<0.002	0.084	0.2072	
MW-8	9/15/2010	0.0197	<0.0010	0.084	-	
MW-8	4/27/2011	0.0273	<0.0010	0.112	0.236	
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-8	9/6/2012	0.0029	<0.002	0.131	0.344	Duplicate C sample collected

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New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-9	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-9	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-9	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-9	5/20/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-9	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-9	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-9	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-9	6/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-9	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-9	6/10/2010	<0.005	<0.0043	<0.00055	<0.0017	
MW-9	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-9	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-9	4/25/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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-9	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-10	3/19/2008	0.178	<0.00048	0.0361	0.0538	
MW-10	12/3/2008	0.0111	<0.00048	0.0277	0.0396	
MW-10	3/10/2009	<0.00046	<0.00048	0.0328	0.0463	
MW-10	5/21/2009	0.0073	<0.00048	0.0299	0.0417	
MW-10	9/22/2009	0.005	<0.00043	0.0183	0.0274	
MW-10	12/19/2009	0.0119	<0.00043	0.016	0.0231	
MW-10	3/23/2010	0.0128	<0.002	0.0101	0.0143	
MW-10	3/23/2010	0.0128	<0.00043	0.0101	0.0143	
MW-10	6/10/2010	NS	NS	NS	NS	
MW-10	9/15/2010	0.0366	<0.002	0.0081	0.0088	
MW-10	9/15/2010	0.0366	<0.0010	0.0081	-	
MW-10	4/25/2011	0.0179	<0.002	0.0078	0.0084	
MW-10	4/27/2011	0.0179	<0.0010	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	
MW-10	9/6/2012	0.0102	<0.002	0.0012	<0.003	

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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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-11	3/19/2008	6.8	0.058	0.204	0.374	
MW-11	12/3/2008	5.83	<0.024	0.224	0.171	
MW-11	3/10/2009	5.77	<0.048	0.21	0.156	
MW-11	5/21/2009	6.51	0.0155	0.304	0.362	
MW-11	9/22/2009	5.77	<0.043	0.297	0.333	
MW-11	12/19/2009	3.76	<0.043	0.225	0.403	
MW-11	3/23/2010	3.73	<0.2	0.197	0.252	
MW-11	3/23/2010	3.73	<0.043	0.197	0.252	
MW-11	6/10/2010	NS	NS	NS	NS	
MW-11	9/15/2010	3.3	<0.1	0.264	0.514	
MW-11	9/15/2010	3.3	<0.050	0.264	-	
MW-11	4/25/2011	2.92	<0.05	0.22	0.22	
MW-11	4/27/2011	2.92	<0.025	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-11	9/6/2012	1.85	<0.05	0.139	0.0774	
MW-12	3/19/2008	18.1	0.188	0.299	0.204	
MW-12	12/3/2008	16.3	<0.048	0.346	<0.14	
MW-12	3/10/2009	5.45	<0.097	0.196	<0.27	
MW-12	5/21/2009	16.8	0.0601	0.393	0.142	
MW-12	9/22/2009	15.00	<0.043	0.357	<0.17	
MW-12	12/19/2009	12.00	<0.043	0.342	0.318	
MW-12	3/23/2010	10.9	<0.02	0.271	<0.6	
MW-12	3/23/2010	10.9	<0.043	0.271	<0.17	
MW-12	6/10/2010	NS	NS	NS	NS	
MW-12	9/15/2010	12.4	0.141	0.237	0.109	
MW-12	9/15/2010	12.4	0.141	0.237	-	
MW-12	4/25/2011	11.6	<0.2	0.261	0.0739	
MW-12	4/27/2011	11.6	<0.10	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-12	9/6/2012	7.12	<0.20	0.337	<0.30	

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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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-14	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-14	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-14	3/10/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-14	5/20/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-14	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-14	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-14	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-14	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-14	6/10/2010	NS	NS	NS	NS	
MW-14	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-14	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-14	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-14	4/27/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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-14	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-16	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-16	12/2/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-16	3/10/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-16	5/20/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-16	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-16	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-16	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-16	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-16	6/10/2010	<0.0005	<0.00043	<0.00055	<0.0017	
MW-16	6/28/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-16	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-16	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-16	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-16	4/27/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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-16	9/7/2012	<0.001	<0.002	<0.002	<0.003	

**APPENDIX B
HISTORICAL DATA
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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-17	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-17	12/2/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-17	3/10/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-17	5/20/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-17	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-17	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-17	3/23/2010	<0.002	<0.002	<0.002	<0.0006	
MW-17	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-17	6/10/2010	<0.0005	<0.00043	<0.00055	<0.0017	
MW-17	6/28/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-17	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-17	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-17	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-17	4/27/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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-17 ⁽³⁾	9/7/2012	NS	NS	NS	NS	
MW-18	3/19/2008	0.0024	<0.00048	0.0101	0.0245	
MW-18	12/4/2008	0.0046	0.0005	0.017	0.0529	
MW-18	3/10/2009	0.0062	<0.00048	0.0213	0.0642	
MW-18	5/21/2009	0.0049	<0.00048	0.0151	0.0564	
MW-18	9/22/2009	0.0074	<0.00043	0.0118	0.0385	
MW-18	12/19/2009	0.0115	<0.00043	0.0272	0.0785	
MW-18	3/23/2010	0.0075	<0.002	0.025	0.0699	
MW-18	3/23/2010	0.0075	<0.00043	0.025	0.0699	
MW-18	6/10/2010	NS	NS	NS	NS	
MW-18	9/15/2010	0.0012	<0.002	0.00066	0.00068	
MW-18	9/15/2010	0.0012	<0.0010	0.00066	-	
MW-18	4/25/2011	0.0019	<0.002	0.0054	0.0222	
MW-18	4/27/2011	0.0019	<0.0010	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-18	9/6/2012	<0.001	<0.002	<0.002	<0.003	

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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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-19	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-19	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-19	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-19	5/21/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-19	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-19	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-19	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-19	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-19	6/10/2010	NS	NS	NS	NS	
MW-19	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-19	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-19	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-19	4/25/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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-19	9/7/2012	0.00032	<0.002	<0.002	<0.003	
MW-20	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-20	3/8/2012	NS	NS	NS	NS	
MW-20	9/7/2012	NS	NS	NS	NS	
MW-22	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-22	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-22	3/10/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-22	5/20/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-22	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-22	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-22	3/23/2010	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	
MW-22	9/6/2012	<0.001	<0.002	<0.002	<0.003	

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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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-23	3/18/2008	0.0514	0.0039	0.0749	0.126	
MW-23	12/3/2008	0.105	0.0025	0.112	0.113	
MW-23	3/10/2009	0.114	0.0013	0.141	0.0922	
MW-23	5/20/2009	0.0866	0.0019	0.139	0.0714	
MW-23	9/22/2009	0.129	0.00082	0.168	0.0646	
MW-23	12/19/2009	0.157	0.00085	0.228	0.0258	
MW-23	3/23/2010	0.107	<0.01	0.157	0.0141	
MW-23	3/23/2010	0.107	<0.0022	0.157	0.0141	
MW-23	6/10/2010	NS	NS	NS	NS	
MW-23	9/15/2010	0.0215	0.0014	0.0836	<0.004	
MW-23	9/15/2010	0.0215	0.0014	0.0836	-	
MW-23	4/25/2011	0.0392	<0.002	0.0589	0.006	
MW-23	4/27/2011	0.0392	<0.0010	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-23	9/6/2012	0.029	<0.002	0.094	0.0032	
MW-24	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-24	12/2/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-24	3/10/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-24	5/20/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-24	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-24	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-24	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-24	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-24	6/10/2010	<0.0005	<0.00043	<0.00055	<0.0017	
MW-24	6/28/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-24	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-24	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-24	4/25/2011	<0.001	<0.002	<0.002	<0.002	
MW-24	4/27/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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-24	9/7/2012	<0.001	<0.002	<0.002	<0.003	

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SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
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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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-25	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-25	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-25	3/10/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-25	5/20/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-25	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-25	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-25	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-25	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-25	6/10/2010	<0.0005	<0.00043	<0.00055	<0.0017	
MW-25	6/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-25	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-25	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-25	4/27/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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-25	9/5/2012	<0.001	<0.002	<0.002	<0.003	
MW-26	3/10/2009	13.3	16.4	0.545	1.77	
MW-26	3/23/2010	NS	NS	NS	NS	
MW-26	6/10/2010	NS	NS	NS	NS	
MW-26	9/15/2010	36.5	33.9	1.47	2.79	
MW-26	9/15/2010	36.5	33.9	1.47	-	
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-26	9/7/2012	NS	NS	NS	NS	
MW-28	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-28	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-28	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-28	5/20/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-28	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-28	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-28	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-28	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-28	6/10/2010	<0.005	<0.00043	<0.00055	<0.0017	
MW-28	6/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-28	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-28	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-28	4/26/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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-28	9/5/2012	<0.001	<0.002	<0.002	<0.003	

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HISTORICAL DATA
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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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-29	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-29	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-29	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-29	5/20/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-29	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-29	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-29	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-29	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-29	6/10/2010	NS	NS	NS	NS	
MW-29	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-29	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-29	4/26/2011	0.0006	<0.0010	<0.00030	<0.00060	
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-29	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-30	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-30	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-30	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-30	5/20/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-30	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-30	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-30	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-30	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-30	6/10/2010	<0.0005	<0.00043	<0.00055	<0.0017	
MW-30	6/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-30	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-30	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-30	4/25/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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-30	9/6/2012	<0.001	<0.002	<0.002	<0.003	

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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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-31	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-31	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-31	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-31	5/20/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-31	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-31	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-31	6/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-31	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-31	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-31	6/10/2010	<0.0005	<0.00043	<0.00055	<0.0017	
MW-31	6/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-31	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-31	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-31	4/25/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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	
MW-31	9/6/2012	<0.001	<0.002	<0.002	<0.003	
House Well	3/23/2010	<0.002	<0.002	<0.002	<0.006	
House Well	6/10/2010	<0.0005	<0.00043	0.00055	<0.0017	
House Well	9/15/2010	<0.00058	<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	
House Well	9/6/2012	<0.001	<0.002	<0.002	<0.003	
Irrigation Well	3/23/2010	0.0035	<0.002	0.0172	0.0335	
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
Irrigation Well	9/6/2012	0.0048	<0.002	0.015	0.0114	Duplicate A sample collected

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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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-A	3/18/2008	0.0107	0.0015	0.135	0.375	
MW-A	12/3/2008	0.0064	0.00075	0.124	0.33	
MW-A	3/10/2009	0.0054	0.00061	0.113	0.304	
MW-A	5/21/2009	0.0062	0.0027	0.128	0.372	
MW-A	9/22/2009	0.0037	<0.00043	0.132	0.317	
MW-A	12/19/2009	<0.00050	<0.00043	0.114	0.298	
MW-A	3/23/2010	<0.002	<0.002	0.127	0.342	
MW-A	3/23/2010	<0.00050	<0.00043	0.127	0.342	
MW-A	6/10/2010	<0.0019	<0.00043	0.112	0.297	
MW-A	6/30/2010	0.0019	<0.00043	0.112	0.297	
MW-A	9/15/2010	0.0038	<0.01	0.114	0.2841	
MW-A	9/16/2010	0.0038	<0.0050	0.114	-	
MW-A	4/27/2011	0.0016	<0.0010	0.0917	0.245	
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-A	9/7/2012	0.00087	<0.002	0.076	0.206	
MW-E	3/18/2008	0.0398	<0.00048	0.0028	0.0066	
MW-E	12/3/2008	0.0447	<0.00048	0.0032	0.0064	
MW-E	3/10/2009	0.0325	<0.00048	0.0017	0.0051	
MW-E	5/21/2009	0.0047	<0.00048	<0.00045	0.0049	
MW-E	9/22/2009	0.0039	<0.00043	<0.00055	<0.0017	
MW-E	12/19/2009	0.0018	<0.00043	<0.00055	<0.0017	
MW-E	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-E	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-E	6/10/2010	NS	NS	NS	NS	
MW-E	9/15/2010	0.0119	<0.002	<0.002	0.0042	
MW-E	9/15/2010	0.0119	<0.0010	0.002	-	
MW-E	4/27/2011	0.0039	<0.0010	<0.00030	<0.00060	
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-E	9/7/2012	0.0018	<0.002	<0.002	<0.003	

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New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-F	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-F	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-F	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-F	5/21/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-F	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-F	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-F	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-F	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-F	6/10/2010	NS	NS	NS	NS	
MW-F	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-F	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-F	4/27/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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-F	9/7/2012	<0.001	<0.002	<0.002	<0.003	
MW-I	3/19/2008	0.0018	<0.00048	<0.00045	<0.0014	
MW-I	12/4/2008	0.0013	<0.00048	0.0027	0.0034	
MW-I	3/10/2009	0.0012	<0.00048	0.0029	0.0039	
MW-I	5/21/2009	0.0011	<0.00048	0.0032	0.0051	
MW-I	9/22/2009	0.00083	<0.00043	<0.00055	<0.0017	
MW-I	12/19/2009	0.00078	<0.00043	<0.00055	0.0056	
MW-I	3/23/2010	0.00078	<0.002	<0.002	<0.006	
MW-I	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-I	6/10/2010	NS	NS	NS	NS	
MW-I	9/15/2010	0.0006	<0.002	<0.002	<0.004	
MW-I	9/15/2010	0.0006	<0.0010	<0.00030	-	
MW-I	4/27/2011	0.00071	<0.0010	0.00041	<0.00060	
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-I	9/6/2012	0.00043	<0.002	<0.002	<0.003	

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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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-J	3/19/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-J	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-J	3/10/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-J	5/21/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-J	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-J	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-J	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-J	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-J	6/10/2010	NS	NS	NS	NS	
MW-J	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-J	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-J	4/27/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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-J	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-M	3/19/2008	33.00	0.0384	0.382	0.694	
MW-M	12/3/2008	34.3	0.0188	0.494	0.659	
MW-M	3/10/2009	28.8	<0.097	0.401	0.463	
MW-M	5/20/2009	31.9	<0.097	0.779	1.66	
MW-M	9/22/2009	20.4	<0.087	0.286	<0.33	
MW-M	12/19/2009	18.3	<0.087	0.356	1.88	
MW-M	3/23/2010	15.7	<0.4	0.291	<1.2	
MW-M	3/23/2010	15.7	<0.087	0.29	<0.33	
MW-M	6/10/2010	NS	NS	NS	NS	
MW-M	9/15/2010	12.4	<0.02	0.328	0.18	
MW-M	9/15/2010	12.4	<0.10	0.328	-	
MW-M	4/27/2011	12.7	<0.10	0.318	0.288	
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	
MW-M	9/6/2012	1.27	<0.10	0.188	0.107	

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New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-N	3/18/2008	10.1	0.289	0.287	0.737	
MW-N	12/3/2008	10.7	0.653	0.459	<0.27	
MW-N	3/10/2009	11.7	0.683	0.338	0.762	
MW-N	5/20/2009	11.5	0.772	0.715	1.87	
MW-N	9/22/2009	12.9	0.385	0.308	1.37	
MW-N	12/19/2009	12.8	0.514	0.284	2.1	
MW-N	3/23/2010	12.3	0.641	0.3	0.701	
MW-N	3/23/2010	12.3	0.641	0.3	0.701	
MW-N	6/10/2010	NS	NS	NS	NS	
MW-N	9/15/2010	16.9	5.07	0.549	1.149	
MW-N	9/15/2010	16.9	5.07	0.549	-	
MW-N	4/27/2011	15.8	1.83	0.305	0.478	
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-N	9/6/2012	13.7	3.47	0.603	2.000	
MW-O	3/18/2008	12.8	0.0089	0.34	0.163	
MW-O	12/3/2008	9.57	<0.048	0.387	<0.14	
MW-O	3/10/2009	9.26	<0.048	0.319	<0.14	
MW-O	5/20/2009	9.88	<0.048	0.461	0.429	
MW-O	9/22/2009	9.85	<0.043	0.33	0.5	
MW-O	12/19/2009	8.78	<0.043	0.274	0.526	
MW-O	3/23/2010	7.12	<0.2	0.18	<0.6	
MW-O	3/23/2010	7.12	<0.043	0.18	<0.17	
MW-O	6/10/2010	NS	NS	NS	NS	
MW-O	9/15/2010	6.96	<0.1	0.21	<0.2	
MW-O	9/15/2010	6.96	<0.050	0.21	-	
MW-O	4/27/2011	8.23	<0.050	0.275	<0.030	
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-O	9/6/2012	8.04	<0.10	0.185	<0.15	

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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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-Q	3/18/2008	1.44	<0.00048	0.0911	0.0197	
MW-Q	12/3/2008	1.37	<0.048	<0.045	<0.14	
MW-Q	3/10/2009	1.29	<0.048	0.0545	<0.14	
MW-Q	5/21/2009	1.25	<0.048	<0.045	<0.14	
MW-Q	9/22/2009	1.64	<0.00043	0.0341	0.0028	
MW-Q	12/19/2009	1.34	<0.00043	0.0268	0.0075	
MW-Q	3/23/2010	1.36	<0.05	0.0256	<0.15	
MW-Q	3/23/2010	1.36	<0.011	0.0256	<0.042	
MW-Q	6/10/2010	NS	NS	NS	NS	
MW-Q	9/15/2010	0.946	<0.02	0.0217	<0.04	
MW-Q	9/15/2010	0.946	<0.010	0.0217	-	
MW-Q	4/27/2011	0.948	<0.010	0.0184	<0.0060	
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-Q	9/6/2012	0.738	<0.002	0.0062	<0.003	
MW-S	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-S	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-S	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-S	5/21/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-S	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-S	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-S	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-S	3/23/2010	<0.002	<0.002	<0.002	<0.006	
MW-S	6/10/2010	NS	NS	NS	NS	
MW-S	9/15/2010	<0.001	<0.002	<0.002	<0.004	
MW-S	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-S	4/27/2011	<0.00030	<0.0010	<0.00030	<0.00060	
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-S	9/6/2012	<0.001	<0.002	<0.002	<0.003	

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New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-EE	12/3/2008	0.798	<0.0048	0.0265	0.0406	
MW-EE	3/10/2009	0.5	0.007	0.015	0.0284	
MW-EE	5/20/2009	0.276	0.0096	0.0108	0.0242	
MW-EE	9/22/2009	0.995	<0.0022	0.0166	0.0393	
MW-EE	12/19/2009	0.79	0.0048	0.0118	0.0507	
MW-EE	3/23/2010	1.2	0.00081	0.0043	0.0046	
MW-EE	3/23/2010	1.2	0.00081	0.0043	0.0046	
MW-EE	6/10/2010	0.817	0.0016	0.0124	0.0158	
MW-EE	6/29/2010	0.817	0.0016	0.0124	0.0158	
MW-EE	9/15/2010	0.191	0.012	0.0182	0.1725	
MW-EE	9/15/2010	0.169	0.012	0.0173	-	
MW-EE	4/27/2011	0.707	<0.0020	0.0128	0.011	
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-EE	9/6/2012	0.0964	<0.002	0.0011	<0.003	
MW-LL	3/19/2008	1.94	0.0122	0.161	0.231	
MW-LL	12/3/2008	2.92	0.0102	0.122	0.142	
MW-LL	3/10/2009	2.47	<0.024	0.0934	0.0903	
MW-LL	5/20/2009	3.02	0.0269	0.0866	0.0797	
MW-LL	9/22/2009	2.66	0.0166	0.0656	0.133	
MW-LL	12/19/2009	2.46	0.0182	0.0664	0.199	
MW-LL	3/23/2010	2.33	0.0132	0.0456	<0.12	
MW-LL	3/23/2010	2.33	0.0132	0.0456	<0.033	
MW-LL	6/10/2010	NS	NS	NS	NS	
MW-LL	9/15/2010	2.89	0.499	0.0955	0.126	
MW-LL	9/15/2010	2.89	0.499	0.0955	-	
MW-LL	4/27/2011	1.64	<0.025	0.0764	0.0469	
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-LL	9/6/2012	0.523	<0.002	0.0261	0.0024	

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New Mexico Water Quality Control Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-MM	3/18/2008	0.163	<0.00048	0.0936	<0.0014	
MW-MM	12/3/2008	0.0459	<0.00048	0.0689	<0.0014	
MW-MM	3/10/2009	0.021	<0.00048	0.054	<0.0014	
MW-MM	5/20/2009	0.0232	<0.00048	0.0613	<0.0014	
MW-MM	9/22/2009	0.0226	<0.00043	0.0837	<0.0017	
MW-MM	12/19/2009	0.0184	<0.00043	0.0652	<0.0017	
MW-MM	3/23/2010	0.0113	<0.002	0.0415	0.0557	
MW-MM	3/23/2010	0.0113	<0.00043	0.0415	0.0557	
MW-MM	6/10/2010	NS	NS	NS	NS	
MW-MM	9/15/2010	0.121	<0.002	0.0771	<0.004	
MW-MM	9/15/2010	0.121	<0.0010	0.0771	-	
MW-MM	4/27/2011	0.0158	<0.0010	0.0338	<0.00060	
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	
MW-MM	9/6/2012	0.002	<0.002	0.0041	<0.003	
NMG MW-2	3/23/2010	<0.002	<0.002	<0.002	<0.006	
NMG MW-2	6/10/2010	<0.0005	<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	
NMG MW-2	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG MW-3	3/23/2010	<0.002	<0.002	<0.002	<0.006	
NMG MW-3	6/10/2010	<0.0005	<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-3	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG MW-4	3/23/2010	<0.002	<0.002	<0.002	<0.006	
NMG MW-4	6/10/2010	<0.0005	<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-4	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG MW-5	3/23/2010	1.91	<0.1	0.292	0.375	
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-5	9/5/2012	0.00083	<0.002	0.153	<0.003	

**APPENDIX B
HISTORICAL DATA
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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
NMG MW-6	3/23/2010	0.00059	<0.002	0.0448	<0.006	
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-6	9/5/2012	0.00038	<0.002	0.00066	<0.003	
NMG MW-7	3/23/2010	0.0365	<0.002	0.0197	0.016	
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-7	9/5/2012	0.0188	<0.002	0.0082	0.0043	
NMG MW-8	3/23/2010	<0.002	<0.002	0.00057	<0.006	
NMG MW-8	6/10/2010	<0.0005	<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-8	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG MW-9	3/23/2010	<0.002	<0.002	<0.002	<0.006	
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	
NMG MW-9	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG MW-10	3/23/2010	0.554	<0.01	0.151	0.239	
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-10	9/5/2012	0.192	<0.002	0.0836	0.0895	Duplicate B sample collected
NMG MW-11	3/23/2010	<0.002	<0.002	<0.002	<0.006	
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-11	9/5/2012	<0.001	<0.002	<0.002	<0.003	

**APPENDIX B
HISTORICAL DATA
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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
NMG MW-12	3/23/2010	0.0097	<0.002	0.0187	<0.006	
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-12	9/5/2012	0.0012	<0.002	<0.002	<0.003	
NMG MW-13	3/23/2010	<0.002	<0.002	<0.002	<0.006	
NMG MW-13	6/10/2010	<0.0005	<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	
NMG MW-13	9/5/2012	<0.001	<0.002	<0.002	<0.003	
MW-NMG-10	3/18/2008	0.667	0.0028	0.275	0.507	
MW-NMG-10	12/4/2008	0.561	0.0021	0.195	0.362	
MW-NMG-10	3/9/2009	0.463	<0.0024	0.169	0.28	
MW-NMG-10	5/19/2009	0.519	0.0019	0.182	0.344	
MW-NMG-10	9/21/2009	0.552	0.0015	0.185	0.307	
MW-NMG-10	12/19/2009	0.501	0.0012	0.163	0.272	
MW-NMG-10	3/23/2010	0.554	<0.0022	0.151	0.239	
MW-NMG-10	6/29/2010	0.438	0.0015	0.157	0.26	
MW-NMG-10	9/15/2010	0.4	<0.0010	0.131	-	
MW-NMG-10	4/26/2011	3.22	<0.050	1.2	1.57	
MW-NMG-11	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-11	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-11	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-11	5/19/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-11	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-11	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-11	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-11	6/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-11	4/26/2011	<0.00030	<0.0010	<0.00030	<0.00060	
MW-NMG-12	3/18/2008	0.209	<0.00048	0.113	<0.0014	
MW-NMG-12	12/4/2008	0.0411	<0.00048	0.0793	<0.0014	
MW-NMG-12	3/9/2009	0.0164	<0.00048	0.0714	<0.0014	
MW-NMG-12	5/19/2009	0.0084	<0.00048	0.0511	<0.0014	
MW-NMG-12	9/22/2009	0.0061	<0.00043	0.0361	0.0051	
MW-NMG-12	12/19/2009	0.0052	<0.00043	0.0198	<0.0017	
MW-NMG-12	3/23/2010	0.0095	<0.00043	0.0187	<0.0017	
MW-NMG-12	6/29/2010	0.0085	<0.00043	0.0154	<0.0017	
MW-NMG-12	9/15/2010	0.00091	<0.0010	0.0034	-	
MW-NMG-12	4/26/2011	0.0011	<0.0010	<0.00030	<0.00060	

APPENDIX B
HISTORICAL DATA
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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-NMG-13	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-13	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-13	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-13	5/19/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-13	9/22/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-13	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-13	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-13	6/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-13	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-NMG-13	4/26/2011	<0.00030	<0.0010	<0.00030	<0.00060	
MW-NMG-2	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-2	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-2	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-2	5/19/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-2	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-2	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-2	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-2	6/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-2	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-NMG-2	4/25/2011	<0.00030	<0.0010	<0.00030	<0.00060	
MW-NMG-3	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-3	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-3	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-3	5/19/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-3	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-3	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-3	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-3	6/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-3	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-NMG-3	4/25/2011	<0.00030	<0.0010	<0.00030	<0.00060	
MW-NMG-4	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-4	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-4	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-4	5/19/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-4	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-4	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-4	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-4	6/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-4	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-NMG-4	4/25/2011	<0.00030	<0.0010	<0.00030	<0.00060	

APPENDIX B
HISTORICAL DATA
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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-NMG-5	3/19/2008	16.8	<0.00048	0.293	0.0824	
MW-NMG-5	12/3/2008	6.62	<0.097	0.468	<0.27	
MW-NMG-5	3/9/2009	3.45	<0.097	0.276	<0.27	
MW-NMG-5	5/19/2009	3.44	<0.024	0.333	0.218	
MW-NMG-5	9/21/2009	2.71	<0.022	0.35	0.256	
MW-NMG-5	12/19/2009	1.63	<0.022	0.271	<0.084	
MW-NMG-5	3/23/2010	1.91	<0.022	0.292	0.375	
MW-NMG-5	6/29/2010	2.34	<0.0022	0.428	<0.0084	
MW-NMG-5	9/15/2010	3.82	<0.10	0.326	-	
MW-NMG-5	4/25/2011	0.413	<0.050	0.441	<0.030	
MW-NMG-6	3/18/2008	0.214	<0.00048	0.16	<0.0014	
MW-NMG-6	12/3/2008	0.0547	<0.00048	0.138	<0.0014	
MW-NMG-6	3/9/2009	0.0246	<0.00048	0.111	<0.0014	
MW-NMG-6	5/19/2009	0.0135	<0.00048	0.114	<0.0014	
MW-NMG-6	9/21/2009	0.0018	<0.00043	0.1	0.0041	
MW-NMG-6	12/19/2009	0.00059	<0.00043	0.0627	<0.0017	
MW-NMG-6	3/23/2010	0.00059	<0.00043	0.0448	<0.0017	
MW-NMG-6	6/29/2010	0.00061	<0.00043	0.0309	<0.0017	
MW-NMG-6	9/15/2010	0.00061	<0.0010	0.0155	-	
MW-NMG-6	4/25/2011	0.00039	<0.0010	0.0172	<0.00060	
MW-NMG-7	3/18/2008	0.0155	<0.00048	0.0145	0.009	
MW-NMG-7	12/3/2008	0.0227	<0.00048	0.0175	0.0099	
MW-NMG-7	3/9/2009	0.0175	<0.00048	0.013	0.0072	
MW-NMG-7	5/19/2009	0.0206	<0.00048	0.0154	0.0089	
MW-NMG-7	9/21/2009	0.0336	<0.00043	0.0219	0.0211	
MW-NMG-7	12/19/2009	0.034	<0.00043	0.0199	0.015	
MW-NMG-7	3/23/2010	0.0365	<0.00043	0.0197	0.016	
MW-NMG-7	6/29/2010	0.0325	<0.00043	0.0152	0.0115	
MW-NMG-7	9/15/2010	0.0194	<0.0010	0.009	-	
MW-NMG-7	4/25/2011	0.0191	<0.0010	0.0084	0.0042	
MW-NMG-8	3/18/2008	0.0026	<0.00048	0.0024	<0.0014	
MW-NMG-8	12/3/2008	0.00057	<0.00048	0.0009	<0.0014	
MW-NMG-8	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-8	5/19/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-8	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-8	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-8	3/23/2010	<0.00050	<0.00043	0.00057	<0.0017	
MW-NMG-8	6/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-8	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-NMG-8	4/25/2011	<0.00030	<0.0010	<0.00030	<0.00060	

**APPENDIX B
HISTORICAL DATA
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 Commission Groundwater Standards (mg/L)		0.01	0.75	0.75	0.62	
MW-NMG-9	3/18/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-9	12/4/2008	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-9	3/9/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-9	5/19/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-NMG-9	9/21/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-9	12/19/2009	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-9	3/23/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-9	6/29/2010	<0.00050	<0.00043	<0.00055	<0.0017	
MW-NMG-9	9/15/2010	<0.00030	<0.0010	<0.00030	-	
MW-NMG-9	4/26/2011	<0.00030	<0.0010	<0.00030	<0.00060	

Notes:

- 1.) The environmental cleanup standards for water that are applicable to the site are the New Mexico Water Quality Control Commission (NMWQCC)
- 2.) Data presented for all well locations includes previous four sampling events, when available. Historic groundwater analytical results for these locations

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