

GW-025

Annual GW Report

DATE:
2009



December 16, 2009

Mr. Glenn Von Gonten, Sr. Hydrologist
State of New Mexico – Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RECEIVED
DEC 18 2009
Environmental Bureau
Oil Conservation Division

Re: 2009 Annual Groundwater Monitoring Report
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Dear Mr. Von Gonten:

The enclosed report is submitted to the New Mexico Oil Conservation Division on behalf of Targa Midstream Services, L. P. (Targa) to present the results of groundwater monitoring performed at the Monument Gas Plant for the 2009 calendar year.

If you have any questions or concerns, please call me at 432.687.0901 to discuss.

Sincerely,

LARSON & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'W.D. Green', is written over a horizontal line.

William D. Green, PG No. 136
Texas Licensed Professional Geologist
wgreen@laenvironmental.com

Attachments 2009 Annual Groundwater Monitoring Report

CC Mr. Cal Wrangham, Targa Midstream Services, L.P.
Mr. Todd Young, Targa Midstream Services, L.P.
Mr. Larry Johnson, OCD Hobbs Office

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**2009 Annual Groundwater
Monitoring Report
Monument Gas Plant
(GW-025)
Lea County, New Mexico**

Project No. 2-0108

December 14, 2009

Prepared for:
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1.0 Executive Summary

This report presents the 2009 investigation activities and groundwater monitoring results for the Targa Midstream Services, L.P. (Targa) Monument Gas Plant (Facility) located about 2.6 miles southeast of Monument, New Mexico, in unit N (SE/4, SW/4), Section 36, Township 19 South, Range 36 East, Lea County, New Mexico (Site or Property, Figure 1). The Facility operates under New Mexico Oil Conservation Division (OCD) discharge permit GW-025.

The following groundwater monitoring and investigation activities were conducted during the past year:

- Groundwater Gauging and Sampling Event on April 13 and 14, 2009
- Groundwater Gauging and Sampling Event on October 27 and 28, 2009
- Monitor wells WP-21, WP-22, and WP-23 installed to delineate the lateral and downgradient extent of hydrocarbon contaminated groundwater

The following observations are documented in this report:

- Groundwater flow direction remains bifurcating to the southeast and the south at variable gradient from north to south
- WP-02 remained dry, as it has since September 20, 2007
- Product was detected in WP-15 and WP-18 during both sampling events
- Benzene and chloride remain contaminants of concern in groundwater
- Barium concentrations in groundwater appear to be a disassociation byproduct that is naturally occurring within the soil

Since the removal of free-phase hydrocarbon and the dissolved phase hydrocarbon plume has been delineated, Targa requests approval for annual (one yearly) monitoring for BTEX, general water chemistry, and gauging for plant records, and inclusion in Groundwater Discharge Permit renewals. Targa will notify the OCD at least 48 hours prior to the annual monitoring events, and as soon as possible to any significant change in analyte concentrations.

2.0 Investigation Chronology

The following events have been documented in connection with the GW-025 investigation.

c. 1935	The Gas Plant is constructed by Natural Gasoline Corporation, a subsidiary of Warren Petroleum.
January 26, 1936	Gas Plant started up for Amerada Petroleum Corporation, later sold back to Warren Petroleum.
1946	El Paso Corporation constructs compressor station southeast of Gas Plant.
April 1962	Climax Chemical Company (Climax) begins operations north-northwest of the Gas Plant. Climax produces hydrochloric acid (HCl), sulfuric acid, and sodium sulfate. Site chosen for nearby salt deposits. HCl stored in unlined surface impoundments. UST onsite, but closed prior to registration requirements.
c. 1976 - 1977	Gas plant upgraded to Cryo, Amine system, and SRU.
Prior to 1982	Climax plugs and abandons brine wells where previously fresh water was pumped down to evaporites between 2,420 and 2,616 feet bgs to dissolve and return to the surface (Preliminary Review Report, Climax Chemical, 1987).
1982	Justification for No Discharge Plan And Alternative Application for Discharge Plan

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	submitted to State of New Mexico by Climax.
Prior to 1983	A produced condensate release occurs at the Monument Gas Plant (no date, volume or location in records).
June 15, 1987	Preliminary Review Report, Climax Chemical Company issued for RCRA Facility Assessment. EPA analyses from discharge pipe to HCl surface impoundment indicates 15,500 – 17,300 ppm chloride, and 15,100 – 19,000 ppm sulfate at a pH 3.3.
Prior to 1989	Hydrocarbons found in Climax wells (1-2 miles south of facility).
March 29, 1989	OCD representatives Mr. David Boyer and Mr. Roger Anderson inspect Monument Gas Plant's new brine pond liner. "While inspecting the brine pond they noticed the Climax Chemical plant discharging salt water into an open area. Some of this water had broken through a dam (Warren) had built along our property fence and was leaking onto (Warren) property... In addition they asked about the oil processing company located to the south of our plant saying they did not have any record of them." (March 30, 1989 Warren Memorandum)
March 30, 1989	Condensate recovery commences at Monument Gas Plant in monitor wells WP-01, WP-02, WP-03 and Climax 5-9.
August 4, 1989	Warren Petroleum submits to OCD map of monitor wells and pumping records – to date 5.8 gallons condensate recovered at an average of 300 – 500 milliliters every 4 – 6 days.
October 6, 1989	Warren Petroleum submits to OCD map of monitor wells and pumping records – to date 2,054.3 gallons condensate recovered.
December 18, 1989	Warren Petroleum submits to OCD map of monitor wells and pumping records – to date 8,643.5 gallons condensate recovered at an average of 110 gallons per day.
August 6, 1990	Warren Petroleum submits to OCD map of monitor wells and pumping records – to date 18,088.5 gallons condensate recovered at an average of 42 gallons per day.
August 16, 1991	State of New Mexico Hazardous and Radioactive Materials Bureau (HRMB) sent letter to Mr. Jimmy T. Cooper, landowner, notifying him of Climax's request for Alternative Concentration Limits (ACL). Justifications include, "Immediately adjacent to and downgradient of Climax Chemical is the Warren Petroleum Company (Chevron) refinery. The upper-most aquifer beneath the refinery has been significantly impacted by hydrocarbon contamination. Due to past oil-field brine contamination of this same aquifer the Oil Conservation Division (OCD) of New Mexico Energy Minerals and Natural Resources Department is only requiring the refinery to recover hydrocarbon product floating on top of the groundwater within the aquifer."
October 2, 1991	Warren Petroleum submits to OCD map of monitor wells and pumping records – to date 26,348.5 gallons condensate recovered at an average of 20 gallons per day.
October 30, 1991	PIANO analysis conducted by Southern Petroleum Laboratories, Inc. (SPL) on samples from Waste Oil, Condensate, and groundwater wells. Groundwater sample has a Pristane (first peak after C17) to Phytane (first peak after C18) ratio of 1.492; Waste Oil has 1.071; Condensate has neither Pristane nor Phytane.
March 11, 1992	Climax files bankruptcy. Disposal Well DP-298 permit modified to accept HCl

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	injected into a San Andres limestone for neutralization. Also evaluated as a Salt Water Disposal well. (Currently in operation 4/2009)
July 6, 1994	OCD requests Warren Petroleum to submit a workplan to complete the definition of the extent of groundwater contamination.
October 31, 1994	Warren Petroleum submits workplan to OCD to include the installation of soil borings and monitor wells.
February 22 – 24, 1995	Four soil borings (SB-3 to SB-7) and seven monitor wells (WP-04 to WP-10) installed.
March 28, 1995	HRMB notification letter to Warren Petroleum of "...at least 2 feet of oil product floating on top of the groundwater..." in well #12-9. (This well is upgradient from the Monument Plant) Letter further requests Warren to determine if a pipeline from the Monument Greyburg-San Andres Field had a leak prior to 1991.
April 21, 1995	Geraghty & Miller submits Liquid Hydrocarbon Assessment for Warren Petroleum review. Major report findings are: impacted shallow groundwater is not a viable water resource; groundwater quality upgradient and around the plant is not suitable for drinking water, livestock or irrigation use; the horizontal and vertical extent of the impacted area is defined; and the sources of contamination are not limited to the Gas Plant, but also include upgradient sources.
May 2, 1995	Warren Petroleum submits Liquid Hydrocarbon Assessment to OCD.
June 20, 1995	OCD requests: additional groundwater delineation; installing and operating a product recovery system in WP-2, WP-3, and WP-10; and quarterly monitoring.
August 31, 1995	Warren Petroleum submits response to OCD proposing: a monitor well adjacent to the Climax well; an additional monitor well east of WP-10; and additional wells to the east of WP-10 as needed.
September 26, 1995	OCD approves August 31st workplan.
Prior to October 31, 1995	WP-08 and WP-09 converted to cathodic protection Wells.
November 8 – 9, 1995	Geraghty & Miller install WP-11 through WP-15 (data reported in February 29, 1996 report).
June 14, 1996	Warren Petroleum submits to the OCD groundwater elevation and product thickness maps for July – December 1995, and request change from semi-annual to annual reporting.
August 9, 1996	OCD grants request to change to annual reporting.
February 14, 1997	Geraghty & Miller submits Annual Summary Report for 1996 Groundwater Monitoring Activities for OCD review. Groundwater is reportedly bifurcating towards the southeast and the south, with a static head drop of approximately 0.5 feet across the site. Hydrocarbon recovery system expansion to include WP-11 and WP-13 recommended.
March 25, 1997	OCD responds to February 14th report and approves recommendations.
April 1997	Hydrocarbon recovery operations ceased due to low water table conditions and pump limitations.
March 10, 1998	ARCADIS Geraghty & Miller submits Annual Summary Report for 1997 Groundwater Monitoring Activities for OCD review. Groundwater is reportedly bifurcating towards the southeast and the south. Decreased monitoring frequency requested.

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June 22, 1998	OCD approves changing monitoring frequency from quarterly to semiannually.
February 17, 2000	ARCADIS Geraghty & Miller submits Annual Report for 1999 Groundwater Monitoring Activities for OCD review. Groundwater is reportedly bifurcating towards the southeast and the south.
April 20, 2001	ARCADIS Geraghty & Miller submits Annual Report for 2000 Groundwater Monitoring Activities for OCD review.
July 25, 2001	LAI on behalf of Dynegy submits Groundwater Discharge Plan GW-025 to OCD.
January 9, 2002	ARCADIS Geraghty & Miller submits Annual Report for 2001 Groundwater Monitoring Activities for OCD review. Groundwater is reportedly bifurcating towards the southeast and the east.
January 17, 2002	OCD approves the Groundwater Discharge Plan with conditions.
February 11, 2003	LAI submits Subsurface Investigation Report to OCD.
March 6, 2003	OCD acknowledges receipt of the Subsurface Investigation Report and requests additional monitor wells to the east, south and west of the plant.
March 18, 2003	LAI submits to the OCD on behalf of Dynegy, 2002 Annual Groundwater Monitoring Report.
April 24, 2003	OCD requests a workplan for "additional downgradient and lateral controls on the extent of hydrocarbon contamination of groundwater."
June 27, 2003	Workplan submitted to OCD for groundwater investigations at the Monument Gas Plant plume.
September 10, 2003	OCD approves Monument Gas Plant groundwater investigation.
October 7, 2003	LAI submits to Dynegy a summary of gas chromatography fingerprint analyses for PSH from WP-04, WP-06, and WP-15 (6/10/2003 data); a summary of PSH thicknesses for WP-04 and WP-15 during 2002-2003; groundwater analyses summary; maps of PSH thickness; and bar graphs of hydrocarbon thickness measurements.
November 14, 2003	Dynegy submits to the OCD Workplan for Monitoring Well Installation at Monument Gas Plant.
January 4, 2004	LAI submits to the OCD the results of North (#2) Brine Pond subsurface closure investigation. Three hand auger borings to 7 feet bgs and three soil borings to 30 feet bgs installed.
March 18, 2004	LAI submits 2003 Annual Groundwater Monitoring Report for OCD review.
May 15, 2005	LAI submits 2004 Annual Groundwater Monitoring Report for OCD review.
May 18, 2005	Email from OCD requesting additional monitor wells downgradient of WP-04, and WP-12 & WP-14.
August 4, 2005	LAI installs WP-16, WP-17, and WP-18 in the downgradient direction. WP-17 and WP-18 exceed WQCC values for benzene.
November 1, 2005	LAI submits Free Product Investigation Report to OCD documenting the installation of WP-04R, WP-16, WP-17, and WP-18.
February 25, 2006	LAI submits 2005 Annual Groundwater Monitoring Report for OCD review. Continued quarterly groundwater monitoring recommended.
March 3, 2006	LAI submits to the OCD the Brine Pond #1 closure plan.
July 17, 2007	LAI submits 2006 Annual Report, Monument Plant Ground Water Monitoring for OCD review.
September 29, 2008	LAI submits 2007 Groundwater Monitoring Report for OCD review.
September 30, 2008	LAI installs five soil borings in the (#1) South Brine Pond as part of closure

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	investigation.
October 21, 2008	OCD approves closure plan for (#2) North Brine Pond.
December 29, 2008	LAI installs monitor wells WP-19 and WP-20 upgradient and downgradient of the (#2) North Brine Pond, respectively, and adjacent to – and downgradient of – the Climax facility. Chloride in groundwater is 17,700 mg/l and 7,780 mg/l, respectively.
May 26 – 27, 2009	WP-21, WP-22, and WP-23 installed and achieves lateral and downgradient hydrocarbon plume delineation.
July 16, 2009	North (#2) Brine Pond Closure Report submitted to OCD.
July 17, 2009	South (#1) Brine Pond Investigation Report submitted to OCD.

3.0 Vicinity Characteristics

3.1 Topography

The elevation of the Site is approximately 3,575 feet above mean sea level as shown on the Monument South, New Mexico (1985) USGS 7.5-Minute Quadrangle Map. The topographic region is the relatively flat *Laguna Valley* section of the *Querecho Plains*. The facility vicinity slopes gently to the southeast. A current topographic map is included as Figure 1.

3.2 Geology

The *Geologic Map of New Mexico* (2003) provides a basic surficial geology. This source indicates the vicinity's surface geology is comprised of Holocene to mid-Pleistocene age piedmont alluvial deposits. The description indicates this material includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. Locally it may include the uppermost Pliocene deposits.

Subsurface conditions at the site primarily consist of Ogallala Formation unconformably overlying Chinle redbeds. Following deposition of the Ogallala, a prolonged period of erosion reworked the fringe areas of the Ogallala creating the Mescalero Ridge, north of the facility. The reworked Ogallala deposits form the bulk of the alluvial material that has accumulated in the Laguna Valley (Nicholson and Clebsch, 1961, p. 9). The site is located on the edge of the Laguna Valley where a relatively thin sequence of alluvial material is present at the surface.

Monitor well boring logs indicate a general lithology of a two- to 12-foot thick layer of unconsolidated sand over an 18- to 35-foot thickness of carbonate-indurated sand (caliche). Beneath the caliche layer is a clayey sand or red-bed clay. The geology encountered in the monitor wells is interpreted from the top-down to be a thin sequence of Holocene to Pleistocene aged eolian and alluvial sands deposited unconformably on a sequence of Miocene-Pliocene age Ogallala Formation alluvial sands. Much of the remaining Ogallala sequence is now calcified. This caliche layer most likely represents an *in situ* carbonate inter-granular deposition at the funicular vadose zone from continued deflation of the groundwater surface as erosion deepened the ancestral stream channels, and/or deposition in the pendular vadose zone by the down-driving of carbonates by precipitation, leaving a residual during dry period evaporation.

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Groundwater occurs only in the bottom portion of the Ogallala in the vicinity of the Monument Gas Plant. The Ogallala Formation is also unconformably deposited on Triassic-aged Chinle redbeds. To collect adequate groundwater in monitor wells to determine static potentiometric surface elevation, most of the wells are completed with a sump extending into the Chinle Formation.

3.3 Surface Water Occurrence

Throughout much of the United States the hydraulic divisions of surface water recharge zones affect, or are affected by the movement of groundwater. However, in the desert southwest surface water often is disassociated with the movement of groundwater. This scenario is consistent with conditions found in the vicinity of the facility. There are no streams, springs, or ponds on the facility, or within two miles of the facility. The nearest surface water is the ephemeral "South" Monument Draw south of the facility, Monument Springs north of the facility, and the ephemeral "North" Monument Draw east of the facility.

Springs act as natural discharge points of groundwater from the Ogallala deposits along the contact of the permeable Ogallala and the impermeable Chinle redbeds below. Monument Springs discharges groundwater from the Ogallala-Chinle contact in Section 26, T. 19 S., R. 36 E, about two miles north of the site.

There are two Monument Draws within Lea County; both watersheds have headwaters in Lea County, west of Hobbs. Both watersheds have the same name, without a "North" or "South" discriminator. The "North" Monument Draw flows southeastward to the south of Seminole, Texas, where it combines with Seminole Draw to form Mustang Draw. Mustang Draw is an ephemeral stream, which ends at its confluence with the Colorado River.

The "South" Monument Draw flows southeastward to the east of Eunice, New Mexico, then south toward the Pecos River near Pyote, Texas. Neither watersheds have continuous flow, with the "South" draw feeders particularly broken by anastomosis and karstic playa lake sinks, however, extreme regional storm events may produce enough runoff volume to cause these discontinuous segments to act as a single watershed.

3.4 Groundwater Occurrence

Regional direction for groundwater flow is towards the southeast, with variations occurring near pumping stresses and subsurface features. The *Office of the State Engineer Southeast New Mexico Water Level Data* does not identify any water wells within the Section. Water levels observed at the facility have varied between 21.11 (WP-01, December 27, 2004) and 42.90 (WP-14, March, 18, 2004) feet below ground surface (bgs) during the life of this investigation. The Nicholson and Clebsch-produced groundwater map indicates a ridge in the redbeds that bisect the facility from the north to south. This basal ridge splits groundwater into two lobes – a west lobe moving to the south, and an east lobe moving to the southeast. This ridge was described as a "nose" by Geohydrology Associates, Inc. in the circa 1982 *Justification for No Discharge Plan and Alternative Application for Discharge Plan* (page 15).

Other information of interest gleaned from the Geohydrology report includes widespread historic chloride contamination in groundwater reported prior 1955, and the occurrence of "oil stain on water" or "strong odor" reported in four diverse locations in 1961 and 1981.

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4.0 Monitoring Results

During the two semi-annual groundwater monitoring events, all monitor wells associated with this investigation were gauged and sampled as conditions allowed. WP-02 remained dry, as it has since September 20, 2007. Two monitor wells were installed upgradient from the facility on December 29, 2008 as part of the North (#2) Brine Pond investigation further discussed in Section 5.1. The East Lobe hydrocarbon plume delineation is discussed in Section 5.2.

All monitoring data has been mapped using Surfer® version 8 surface contouring and mapping software. Data was reduced using the Kriging geostatistical gridding methodology. Kriging uses a linear least squares estimation algorithm that attempts to model trends suggested by the data.

4.1 Site-Specific Groundwater Hydrology

Groundwater gradient appeared variable during both events. Surfer® groundwater plots depict a relative flatness in the upgradient direction, with steeper slopes into two lobes, with a dividing channel-like feature trending south exhibiting the steepest gradient. Based on these features the evaluation for each event is sub-divided into the observations of the east and west lobes. The east lobe is defined as monitor wells WP-10, WP-11, WP-12, WP-13, WP-14, WP-15, WP-16, WP-17, WP-18, and the newly installed WP-21, WP-22, and 23. The west lobe is defined as monitor wells WP-01, WP-02, WP-04, WP-04R, WP-05, WP-06, WP-07, WP-19, and WP-20. Table 1 presents a summary of the depth to groundwater measurements.

4.1.1 April 2009 Event

During April 2009, the groundwater potentiometric surface for the east lobe stood between 3,553.60 feet in the upgradient direction (WP-10) declining to 3,539.80 feet in WP-16. LNAPL was observed in WP-15 (0.05 feet) and WP-18 (0.03 feet).

The potentiometric surface of the west lobe stood between 3,556.63 feet in the upgradient WP-06, decreasing in elevation to 3,540.27 feet in WP-04. LNAPL was not observed in this groundwater lobe during this event.

Figure 3a is a Surfer®-generated plot of the observed groundwater gradient for the April 2009 monitoring event.

4.1.2 October 2009 Event

In October 2009, the groundwater potentiometric surface for the east lobe stood between 3,553.58 feet in the upgradient direction (WP-10) declining to 3,534.61 feet in the downgradient direction (WP-23). LNAPL was detected in WP-15 (0.03 feet), and WP-18 (0.02 feet).

The potentiometric surface of the west lobe stood between 3,556.63 feet in the upgradient WP-06, decreasing in elevation to 3,540.29 feet in WP-04. LNAPL was not observed in this groundwater lobe during this event.

Figure 3b is a Surfer®-generated plot of the observed groundwater gradient for the October 2009 monitoring event.

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4.2 Groundwater Chemistry

Groundwater samples were collected from monitor wells after approximately three casing volumes of groundwater were removed from each well and the wells had sufficiently recovered. Purging and sampling was accomplished with either a stainless steel environmental pump with backflow preventer and polyethylene tubing, or for lower-volume wells, using dedicated disposable polyethylene bailers. Purge pumps were cleaned internally and externally with Alconox® and flushed with commercially available distilled water before the event and between wells.

Sample aliquots were collected in laboratory prepared containers, individually labeled, and placed into an ice-chilled chest. Lone Star Overnight courier services delivered the samples under custody seal and chain-of-custody control to DHL Analytical, Inc. (DHL), a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory in Round Rock, Texas. All samples were received intact and below the NELAP-required temperature parameter.

DHL was contracted to analyze the samples for benzene, toluene, ethylbenzene, and total xylenes (BTEX), dissolved metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, calcium, magnesium, potassium and sodium), anions (chloride, sulfate) and water quality parameters alkalinity, and total dissolved solids (TDS). Duplicate samples for a quality control (QC) check were submitted as blind samples to DHL. The duplicate samples were collected from WP-07 and WP-13 during the Spring and Fall events, respectively. Laboratory analytical results are discussed in the following sections. Appendix B contains a CD-ROM of the laboratory analytical reports.

4.2.1 BTEX Analytical Results

Samples for the BTEX petroleum-compounds were submitted for analyses using EPA SW846 method 8021B. Benzene concentrations observed during the life of this investigation indicate there are no clear increasing or decreasing trends. All benzene values represent dissolved-phase concentrations that are well below the benzene solubility limit of 1,770 mg/l. Table 2 presents a cumulative summary of the BTEX analyses.

April 2009 Benzene Results

Analytical data indicates the following samples exhibited benzene concentrations in excess of the 0.01 milligrams per liter (parts per million, mg/l) WQCC human health standard in the following samples from the east lobe:

- WP-10 (3.54 mg/l)
- WP-11 (4.91 mg/l)
- WP-12 (1.81 mg/l)
- WP-13 (0.219 mg/l)
- WP-14 (0.414 mg/l)
- WP-15 (0.575 mg/l)
- WP-17 (3.75 mg/l)
- WP-18 (0.380 mg/l)

Analytical data indicates the following samples exhibited benzene concentrations in excess of the 0.01 mg/l WQCC human health standard in the following samples from the west lobe:

- WP-01 (0.151 mg/l)
- WP-04R (0.01090 mg/l)

A comparison of the primary (WP-07, <0.0008 mg/l) and duplicate (<0.0008 mg/l) samples indicate no deviation. No data quality exceptions were noted in the DHL case narratives. Figure 5a is a Surfer®-generated plot of the observed benzene concentration for the April 2009 monitoring event.

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October 2009 Benzene Results

Analytical data indicates the following samples exhibited benzene concentrations in excess of the 0.01 mg/l WQCC human health standard in the following samples from the east lobe:

- WP-10 (3.73 mg/l)
- WP-11 (5.21 mg/l)
- WP-12 (1.79 mg/l)
- WP-13 (0.168 mg/l)
- WP-14 (0.220 mg/l)

Analytical data indicates the following samples exhibited benzene concentrations in excess of the 0.01 mg/l WQCC human health standard in the following samples from the west lobe:

- WP-01 (0.186 mg/l)
- WP-04R (0.01710 mg/l)
- WP-05 (0.309 mg/l)
- WP-06 (0.0384 mg/l)

A comparison of the primary (WP-13, 0.168 mg/l) and duplicate (0.143 mg/l) samples indicate a 12.3% sample variance, which is within data acceptance criteria. No data quality exceptions were noted in the DHL case narratives. No BTEX samples were collected from wells WP-15, WP-17, and WP-18 during this event.

Figure 5b is a Surfer®-generated plot of the observed benzene concentration for the October 2009 monitoring event.

4.2.2 Dissolved Metal Analytical Results

Samples for metal analytes were submitted for analyses using EPA SW846 methods 6020 (arsenic, barium, cadmium, chromium, lead, selenium, silver, calcium, magnesium, potassium and sodium) and 7470A (mercury). All samples were laboratory-filtered to exclude particles larger than 0.45µ and acidified with nitric acid within 24-hours of collection.

Only barium is observed above WQCC concentrations regularly (discussed below). Other metals, chromium and selenium, are observed only sporadically above WQCC concentrations. Neither arsenic, cadmium, chromium, lead, mercury, selenium, nor silver were observed in concentrations exceeding the associated WQCC human health standards during either monitoring event. Table 3 presents a cumulative summary of the dissolved metals analyses.

Barium concentrations observed during the life of this investigation indicate there are no clear increasing or decreasing trends. The spatial distribution of barium concentrations above the 1.0 mg/l WQCC human health standard are primarily to the east and south of the facility, with the historically high concentrations observed in WP-17, a downgradient well in the east lobe. It appears the observed barium (and other heavy metals) in groundwater is from normal metal partitioning and disassociation from the Chinle red-bed parent soils.

April 2009 Barium Results

Analytical data indicates barium concentrations in excess of the 1.0 mg/l WQCC human health standard was only observed the following samples from the east lobe:

- WP-10 (1.95 mg/l)
- WP-11 (2.40 mg/l)
- WP-12 (1.18 mg/l)
- WP-17 (69.2 mg/l)
- WP-18 (2.34 mg/l)

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Analytical data indicates the following samples exhibited barium concentrations in excess of the 1.0 mg/l WQCC human health standard in the following samples from the west lobe:

- WP-01 (3.18 mg/l)

Data quality exceptions noted in the DHL case narratives were validated, and did not adversely affect the data.

October 2009 Barium Results

Analytical data indicates barium concentrations in excess of the 1.0 mg/l WQCC human health standard was only observed the following samples from the east lobe:

- WP-10 (2.05 mg/l)
- WP-11 (2.11 mg/l)
- WP-12 (1.09 mg/l)

Analytical data indicates the following samples exhibited barium concentrations in excess of the 1.0 mg/l WQCC human health standard in the following samples from the west lobe:

- WP-01 (5.16 mg/l)

No metals samples were collected from wells WP-15, WP-17, and WP-18 during this event. Data quality exceptions noted in the DHL case narratives were validated, and did not adversely affect the data.

4.2.3 Water Chemistry Analytical Results

Water chemistry samples were analyzed for alkalinity (Standard Method M2320B), chloride and sulfate anions (Standard Method E300), and total dissolved solids (Standard Methods M2540C). Chloride, sulfate, or TDS values exceeding WQCC values were observed in all monitor wells except WP-01.

Table 4 presents a summary of water chemistry analytical results. Chlorides, sulfate, and TDS concentrations over time have very similar trends – all appear to be relatively linear with neither increasing nor decreasing trends exhibited.

April 2009 Results

Chlorides – Analytical data indicates the following samples exhibited chloride concentrations in excess of the 250 mg/l WQCC domestic water supply standard in the following samples from the east lobe:

- WP-10 (568 mg/l)
- WP-11 (469 mg/l)
- WP-12 (721 mg/l)
- WP-14 (3,540 mg/l)
- WP-15 (799 mg/l)
- WP-16 (421 mg/l)
- WP-17 (4,440 mg/l)
- WP-18 (5,180 mg/l)

Analytical data indicates the following samples exhibited chloride concentrations in excess of the 250 mg/l WQCC domestic water supply standard in the following samples from the west lobe:

- WP-06 (440 mg/l)
- WP-07 (9,450 mg/l)
- WP-19 (20,500 mg/l)
- WP-20 (8,210 mg/l)

Sulfates – Analytical data indicates only WP-14 (715 mg/l) exhibited sulfate concentrations in excess of the 600 mg/l WQCC domestic water supply standard from the east lobe.

December 11, 2009

Analytical data indicates the following samples exhibited sulfate concentrations in excess of the 600 mg/l WQCC domestic water supply standard in the following samples from the west lobe:

- WP-06 (1,750 mg/l)
- WP-07 (4,270 mg/l)
- WP-19 (3,810 mg/l)
- WP-20 (3,060 mg/l)

TDS – Analytical data indicates the following samples exhibited TDS concentrations in excess of the 1,000 mg/l WQCC domestic water supply standard in the following samples from the east lobe:

- WP-10 (2,290 mg/l)
- WP-11 (2,150 mg/l)
- WP-12 (3,180 mg/l)
- WP-13 (1,650 mg/l)
- WP-14 (8,740 mg/l)
- WP-15 (2,920 mg/l)
- WP-16 (2,300 mg/l)
- WP-17 (8,120 mg/l)
- WP-18 (11,200 mg/l)

Analytical data indicates the following samples exhibited TDS concentrations in excess of the 1,000 mg/l WQCC domestic water supply standard in the following samples from the west lobe:

- WP-04R (1,210 mg/l)
- WP-05 (1,990 mg/l)
- WP-06 (4,100 mg/l)
- WP-07 (20,000 mg/l)
- WP-19 (40,500 mg/l)
- WP-20 (18,300 mg/l)

All data was reviewed and validated, and is considered usable for this investigation. Figures 4a and 6a are Surfer®-generated plots of observed chloride and TDS concentration for the April 2009 monitoring event.

October 2009 Results

Chlorides – Analytical data indicates the following samples exhibited chloride concentrations in excess of the 250 mg/l WQCC domestic water supply standard in the following samples from the east lobe:

- WP-10 (575 mg/l)
- WP-11 (553 mg/l)
- WP-12 (751 mg/l)
- WP-14 (3,830 mg/l)
- WP-16 (421 mg/l)
- WP-21 (3,620 mg/l)
- WP-22 (2,010 mg/l)
- WP-23 (7,790 mg/l)

Analytical data indicates the following samples exhibited chloride concentrations in excess of the 250 mg/l WQCC domestic water supply standard in the following samples from the west lobe:

- WP-05 (416 mg/l)
- WP-06 (659 mg/l)
- WP-07 (9,560 mg/l)
- WP-10 (575 mg/l)
- WP-19 (21,600 mg/l)
- WP-20 (8,760 mg/l)

Sulfates – Analytical data indicates following samples exhibited sulfate concentrations in excess of the 600 mg/l WQCC domestic water supply standard from the east lobe.

- WP-14 (640 mg/l)
- WP-21 (1,460 mg/l)
- WP-22 (761 mg/l)
- WP-23 (1,060 mg/l)

December 14, 2009

Analytical data indicates the exhibited sulfate concentrations in excess of the 600 mg/l WQCC domestic water supply standard in the following samples from the west lobe:

- WP-06 (1,540 mg/l)
- WP-07 (3,900 mg/l)
- WP-19 (3,870 mg/l)
- WP-20 (3,470 mg/l)

TDS – Analytical data indicates the following samples exhibited TDS concentrations in excess of the 1,000 mg/l WQCC domestic water supply standard in the following samples from the east lobe:

- WP-10 (2,340 mg/l)
- WP-11 (2,230 mg/l)
- WP-12 (3,270 mg/l)
- WP-13 (1,550 mg/l)
- WP-14 (8,430 mg/l)
- WP-16 (2,200 mg/l)
- WP-21 (8,110 mg/l)
- WP-22 (4,490 mg/l)
- WP-23 (14,800 mg/l)

Analytical data indicates the following samples exhibited TDS concentrations in excess of the 1,000 mg/l WQCC domestic water supply standard in the following samples from the west lobe:

- WP-04 (1,450 mg/l)
- WP-04R (1,380 mg/l)
- WP-05 (3,110 mg/l)
- WP-06 (3,080 mg/l)
- WP-07 (28,300 mg/l)

No general water chemistry samples were collected from wells WP-15, WP-17, and WP-18 during this event. All data was reviewed and validated, and is considered usable for this investigation. Figures 4b and 6b are Surfer®-generated plots of observed chloride and TDS concentration for the October 2009 monitoring event.

5.0 Other Investigation Activities

In the 2008 Annual Groundwater Monitoring Report the following recommendations were made:

Targa will continue monitoring groundwater semiannually. Notice will be given to the OCD at least 48-hours prior to each sampling event and results will be reported to the OCD in an annual report to be submitted during the first half of 2010. Any significant changes in groundwater quality will be reported to the OCD as soon as possible. LAI proposes the following changes for the upcoming events:

- Collecting samples for BTEX, anions and TDS laboratory analysis from monitor wells that maybe affected by past or current Gas Plant operations
- Discontinuing the collection of metals from all monitor wells
- Install three downgradient monitor wells from WP-14, WP-17, and WP-18
- Incorporate monitor wells WP-19 and WP-20, located northwest of the Gas Plant, and downgradient monitor wells, when installed, into the groundwater monitoring schedule

To date, no response from the OCD to the 2008 report has been received. All actions have been completed, except metals sample collection and analyses continued pending OCD concurrence. The following sections document the additional investigation activities.

5.1 North (#2) Brine Pond Closure

The North (#2) Brine Pond was used for temporary storage of brine water from a gas storage well located south of the pond. The brine pond measured approximately 300 x 400 x 3 feet with a nominal

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capacity of approximately 64,000 barrels. The pond was lined with 60-mil high-density polyethylene (HDPE) primary liner and 20-mil thickness HDPE secondary liner. Leak detection was incorporated between the liners and an observation well was located east of the pond.

Chloride impacted groundwater is well documented as emanating from the Climax Chemical facility located immediately upgradient (northwest) of the Site. The Climax facility began operations in 1962 manufacturing sulfuric and hydrochloric acid. Chloride has been reported in groundwater from monitoring wells at the Climax facility from 6,080 milligrams per liter (mg/l) to 28,400 mg/l (Figure 4).

The North (#2) Brine Pond investigation identified concentrations of chloride in soil beneath the brine pond which were lower than the concentration of the brine that was once stored in the pond, indicating that only minor leakage may have occurred. It was concluded that the chloride levels in soil beneath the North #2 Brine Pond would not have an influence on groundwater quality due to the existing chloride impact, therefore, no remedial action was required. On October 21, 2008, the OCD approved Targa's request to fill the excavation with clean soil, with documentation that the remaining chloride contamination will not be a threat to or add contaminants to the underlying groundwater.

On December 29, 2008, LAI geologist William Green and Scarborough Drilling installed monitor well WP-19 northwest and upgradient of the former brine pond, and approximately 40 feet south of the Climax property line, and WP-20, which was installed southeast (and downgradient) of the former brine pond. Soil samples were not collected as part of this investigation. Both wells were constructed with 2-inch schedule 40 PVC installed in a 5-inch diameter boring that was advanced to approximately 50 feet below ground surface (bgs). Twenty feet of factory slotted well screen (0.020 inch) and threaded end-cap was placed in the bottom of the boring, while solid PVC pipe was set as the commuter pipe to the surface. A sand filter pack of 8/16 screened Oglebay Norton silica sand was placed to about two feet above the screen, with the remainder of the annular space filled with bentonite chips to about one foot bgs. The well was secured with a locking cap and locking steel cover anchored in a 3 x 3 foot concrete pad. Groundwater stabilized in the wells at approximately 31 feet bgs. Table 1 presents a summary of the well completion details along with groundwater gauging data.

Groundwater samples were collected from the newly-installed wells on January 6, 2009. The samples were submitted to DHL Analytical, Inc. (DHL) in Round Rock, Texas for laboratory analyses. DHL is a National Environmental Laboratory Accreditation Program accredited laboratory. Laboratory analytical results did not identify any petroleum hydrocarbon constituents (benzene, toluene, ethylbenzene or total xylenes, BTEX) or heavy metal contaminants above Water Quality Control Commission (WQCC) human health standards (Table 2 and 3, respectively). Benzene concentrations observed in groundwater are presented as Figure 5.

Chloride, sulfate and Total Dissolved Solids (TDS) concentrations in both wells exceeded WQCC domestic water quality standards (Table 4). Observed concentrations were higher in the upgradient well (WP-19) than the downgradient well (WP-20) for these three parameters. Values reported are as follow:

- Chlorides – WP-19, 17,700 mg/l; WP-20, 7,780 mg/l
- Sulfates – WP-19, 4,020 mg/l; WP-20, 3,310 mg/l
- TDS – WP-19, 38,000 mg/l; WP-20, 17,300 mg/l

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Based on these results, it does not appear that the North (#2) Brine Pond has adversely affected groundwater underlying the former pond. The final closure report was submitted to the OCD on July 16, 2009.

5.2 East Lobe Plume Delineation

Previously, the OCD determined that past oil-field brine and hydrocarbon contamination has affected the regional High Plain Aquifer and is only requiring the refinery to recover hydrocarbon product floating on top of the groundwater within the aquifer and to delineate the extend of hydrocarbon contamination (Appendix C). Phase-separated hydrocarbons (PSH) recovery was initiated in 1989, with mechanical (pump) removal evacuating 26,348.5 gallons by October 1991. The product recovery system operated until April 1997, when operations ceased due to low water table conditions and pump recovery. Manual skimming operations resumed c2005, with PSH thicknesses steadily declining. Currently only WP-15 and WP-18 exhibit sporadic accumulations, generally below 0.05 foot thick. Continued PSH recovery is considered technically impracticable, as defined in EPA Office of Solid Waste and Emergency Response Directive 9234.2-25 (September 1993).

On May 26 and 27, 2009, LAI geologist William Green and Scarborough Drilling installed three monitor wells with the goal of delineating the extent of hydrocarbon contamination. WP-21 was the eastern-most well, near Maddox Road; WP-22 is situated northwest of Apache's JR Phillips Gas Com Well; WP-23 is the southern-most well and is located southeast of the Monument Gas Plant. Soil samples were not collected as part of this investigation. The wells were constructed with 2-inch schedule 40 PVC installed in a 5-inch diameter boring that was advanced to between 50 and 60 feet bgs. Twenty feet of factory slotted well screen (0.020 inch) and threaded end-cap was placed in the bottom of the boring, while solid PVC pipe was set as the commuter pipe to the surface. A sand filter pack of 8/16 screened Oglebay Norton silica sand was placed to about two feet above the screen, with the remainder of the annular space filled with bentonite chips to about one foot bgs. The well was secured with a locking cap and locking steel cover anchored in a 3 x 3 foot concrete pad. Groundwater stabilized in the wells at 36.76, 39.12 and 37.19 feet below TOC. Table 1 presents a summary of the well completion details along with groundwater gauging data. Figure 2 presents the monitoring well location.

Groundwater samples were collected from the newly-installed wells on May 28, 2009. The samples were submitted to DHL for BTEX, chloride, sulfate and TDS analyses. Laboratory analytical results only identified benzene in WP-23 (0.00145 mg/l), but at values below the WQCC human health standard (0.010 mg/l, Table 2).

Chloride, sulfate and Total Dissolved Solids (TDS) concentrations in all three wells did exceed WQCC domestic water quality standards (Table 4). Values reported are as follow:

- Chlorides – WP-21, 3,750 mg/l; WP-22, 2,480 mg/l; WP-23, 9,180 mg/l
- Sulfates – WP-21, 1,510 mg/l; WP-22, 832 mg/l; WP-23, 1,210 mg/l
- TDS – WP-21, 8,380 mg/l; WP-22, 5,360 mg/l; WP-23, 16,000 mg/l

Observed benzene, chloride, and TDS concentrations from May are incorporated in the Surfer maps for the April 2009 monitoring event (Figures 5a, 4a, and 6a, respectively). Based on these results, it appears that hydrocarbons in groundwater delineation has been achieved.

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6.0 Conclusions Based Upon Current Investigation Data

The following observations are documented in this report:

- Groundwater flow direction remains bifurcating to the southeast and the south at variable gradient from north to south
- WP-02 remained dry, as it has since September 20, 2007
- Product was detected in east lobe monitor wells in both sampling events
- Benzene and chloride remain in groundwater
- Barium concentrations in groundwater appear to be a disassociation byproduct that is naturally occurring within the soil
- North (#2) Brine Pond has not adversely affected groundwater underlying the former pond
- Hydrocarbon plume delineation has been achieved

7.0 Recommendations

Since the removal of free-phase hydrocarbon and the dissolved phase hydrocarbon plume has been delineated, and no further investigation is recommended. It is further recommended that the existing monitor well remain, and Targa conducts annual gauging and sampling for general water chemistry and BTEX events for plant records, and inclusion in Groundwater Discharge Permit renewals. Targa will resume product recovery should PSH thickness measurements indicate recovery is technically feasible. Targa will notify the OCD at least 48 hours prior to the annual monitoring events, and as soon as possible to any significant change in analyte concentrations.

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-1	4	34.92	3,578.01	10/31/1995		32.00	--	3,546.01
				11/14/1995		25.80	--	3,552.21
				1/24/1996		28.00	--	3,550.01
				6/26/1996		29.95	--	3,548.06
				9/26/1996		30.45	--	3,547.56
				1/28/1997		31.08	--	3,546.93
				2/27/1997		31.26	--	3,546.75
				5/19/1997		31.00	--	3,547.01
				8/19/1997		29.72	--	3,548.29
				1/5/1998		29.14	--	3,548.87
				5/26/1998		29.97	--	3,548.04
				4/7/1999		30.55	--	3,547.46
				8/13/1999		24.40	--	3,553.61
				3/29/2000		28.85	--	3,549.16
				7/18/2000		24.60	--	3,553.41
				1/18/2001		27.80	--	3,550.21
				4/26/2002		27.42	--	3,550.59
				6/6/2002		27.55	--	3,550.46
				9/30/2002		24.15	--	3,553.86
				12/19/2002		24.64	--	3,553.37
				4/2/2003		27.34	--	3,550.67
				6/19/2003		28.87	--	3,549.14
				9/23/2003		30.11	--	3,547.90
				12/19/2003		30.61	--	3,547.40
				3/18/2004		30.24	--	3,547.77
				6/30/2004		25.65	--	3,552.36
				9/8/2004		25.79	--	3,552.22
				12/27/2004		21.11	--	3,556.90
				4/4/2005		33.15	--	3,544.86
				5/12/2005		25.63	--	3,552.38
				10/7/2005		23.83	--	3,554.18
				12/12/2006		24.98	--	3,553.03
				2/21/2007		26.91	--	3,551.10
				6/12/2007		24.13	--	3,553.88
				9/20/2007		22.77	--	3,555.24
				12/5/2007		26.11	--	3,551.90
				2/25/2008		27.74	--	3,550.27
				6/10/2008		29.21	--	3,548.80
				8/15/2008		26.81	--	3,551.20
				9/29/2008		25.56	--	3,552.45
				10/15/2008		25.90	--	3,552.11
				11/7/2008		23.72	--	3,554.29
				11/13/2008		24.00	--	3,554.01
				12/11/2008		25.23	--	3,552.78
				3/31/2009		27.88	--	3,550.13
				4/13/2009		28.11	--	3,549.90
				9/1/2009		25.61	--	3,552.40
				10/26/2009		27.21	--	3,550.80

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-2	4	31.75	3,577.77	10/31/1995	30.70	31.00	0.30	3,546.98
				11/14/1995	30.95	31.35	0.40	3,546.70
				1/24/1996	31.53	31.71	0.18	3,546.19
				6/26/1996		--	--	--
				9/26/1996		--	--	--
				1/28/1997		--	--	--
				2/27/1997		31.65	--	3,546.12
				5/19/1997		--	--	--
				8/19/1997		--	--	--
				1/5/1998		--	--	--
				5/26/1998		--	--	--
				4/7/1999		--	--	--
				8/13/1999		--	--	--
				3/29/2000		--	--	--
				7/18/2000		--	--	--
				1/18/2001		29.10	--	3,548.67
				4/26/2002		31.09	--	3,546.68
				6/6/2002		31.14	--	3,546.63
				9/30/2002		DRY	--	--
				12/19/2002		DRY	--	--
				4/2/2003		32.43	--	3,545.34
				6/19/2003		DRY	--	--
				9/23/2003		DRY	--	--
				12/19/2003		DRY	--	--
				3/18/2004		DRY	--	--
				6/30/2004		DRY	--	--
				9/8/2004		DRY	--	--
				12/27/2004		27.69	--	3,550.08
				4/4/2005		28.75	--	3,549.02
				5/12/2005		28.75	--	3,549.02
				10/7/2005		28.77	--	3,549.00
				12/12/2006		31.25	--	3,546.52
				2/21/2007		31.65	--	3,546.12
				6/12/2007		31.74	--	3,546.03
				9/20/2007		DRY	--	--
				12/5/2007		DRY	--	--
				2/25/2008		DRY	--	--
				6/10/2008		DRY	--	--
				8/15/2008		DRY	--	--
				9/29/2008		DRY	--	--
				10/15/2008		DRY	--	--
				11/7/2008		DRY	--	--
				11/13/2008		DRY	--	--
				12/11/2008		DRY	--	--
				3/31/2009		DRY	--	--
				4/13/2009		DRY	--	--
				9/1/2009		DRY	--	--
				10/26/2009		DRY	--	--

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-4	4	37.40	3,577.15	10/31/1995	33.60	35.00	1.40	3,543.13
				11/14/1995	33.75	35.10	1.35	3,543.00
				1/24/1996	33.96	35.23	1.27	3,542.81
				6/26/1996	34.70	36.60	1.90	3,541.88
				9/26/1996	35.20	36.85	1.65	3,541.46
				1/28/1997	35.65	37.00	1.35	3,541.10
				2/27/1997	35.68	37.17	1.49	3,541.02
				5/19/1997	36.56	37.21	0.65	3,540.40
				8/19/1997	36.14	37.30	1.16	3,540.66
				1/5/1998	36.30	37.30	1.00	3,540.55
				5/26/1998	36.41	36.43	0.02	3,540.73
				4/7/1999	36.10	36.92	0.82	3,540.80
				8/13/1999	35.20	35.65	0.45	3,541.82
				3/29/2000	35.20	35.42	0.22	3,541.88
				7/18/2000	35.40	35.70	0.30	3,541.66
				1/18/2001	34.90	35.03	0.13	3,542.21
				4/26/2002	35.40	35.75	0.35	3,541.65
				6/6/2002	35.46	35.77	0.31	3,541.60
				9/30/2002	35.63	36.07	0.44	3,541.39
				12/19/2002	35.84	36.28	0.44	3,541.18
				4/2/2003	36.60	37.22	0.62	3,540.36
				6/19/2003		DRY	--	--
				9/23/2003		DRY	--	--
				12/19/2003	37.26	37.33	0.07	3,539.87
				3/18/2004		DRY	--	--
				6/30/2004		37.28	--	3,539.87
				9/8/2004		37.34	--	3,539.81
				12/27/2004		31.56	--	3,545.59
				4/4/2005		33.05	--	3,544.10
				5/12/2005		33.15	--	3,544.00
				10/7/2005		33.08	--	3,544.07
				9/12/2006		34.04	--	3,543.11
				2/21/2007		34.32	--	3,542.83
				6/12/2007		35.03	--	3,542.12
				9/20/2007		35.13	--	3,542.02
				12/5/2007		35.14	--	3,542.01
				2/25/2008		35.60	--	3,541.55
				6/10/2008		36.37	--	3,540.78
				8/15/2008		36.77	--	3,540.38
				9/29/2008		36.83	--	3,540.32
				10/15/2008		36.83	--	3,540.32
				11/7/2008		36.63	--	3,540.52
				11/13/2008		36.51	--	3,540.64
				12/11/2008		36.37	--	3,540.78
				3/31/2009		36.81	--	3,540.34
				4/13/2009		36.88	--	3,540.27
				9/1/2009		36.48	--	3,540.67
				10/26/2009		36.86	--	3,540.29

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-4R	4	40.85	3,578.35	3/18/2004		38.14	--	3,540.21
				6/30/2004		37.58	--	3,540.77
				9/8/2004		37.62	--	3,540.73
				12/27/2004		31.32	--	3,547.03
				4/4/2005		33.15	--	3,545.20
				5/12/2005		33.26	--	3,545.09
				10/7/2005		33.23	--	3,545.12
				12/12/2006		33.69	--	3,544.66
				2/21/2007		34.45	--	3,543.90
				6/12/2007		35.16	--	3,543.19
				9/20/2007		35.29	--	3,543.06
				12/5/2007		35.25	--	3,543.10
				2/25/2008		35.76	--	3,542.59
				6/10/2008		36.49	--	3,541.86
				8/15/2008		36.84	--	3,541.51
				9/29/2008		36.88	--	3,541.47
				10/15/2008		36.88	--	3,541.47
				11/7/2008		36.69	--	3,541.66
				11/13/2008		36.57	--	3,541.78
				12/11/2008		36.39	--	3,541.96
				3/31/2009		36.82	--	3,541.53
				4/13/2009		36.89	--	3,541.46
				9/1/2009		36.37	--	3,541.98
				10/26/2009		36.78	--	3,541.57

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-5	4	38.02	3,579.50	10/31/1995		31.90	--	3,547.60
				11/14/1995		32.10	--	3,547.40
				1/24/1996		32.62	--	3,546.88
				6/26/1996		33.60	--	3,545.90
				9/26/1996		34.00	--	3,545.50
				1/28/1997		34.57	--	3,544.93
				2/27/1997		34.71	--	3,544.79
				5/19/1997		34.50	--	3,545.00
				8/19/1997		34.19	--	3,545.31
				1/5/1998		34.31	--	3,545.19
				5/26/1998		32.99	--	3,546.51
				4/7/1999		32.18	--	3,547.32
				8/13/1999		30.68	--	3,548.82
				3/29/2000		30.85	--	3,548.65
				7/18/2000		30.72	--	3,548.78
				1/18/2001		29.25	--	3,550.25
				4/26/2002		31.61	--	3,547.89
				6/6/2002		31.56	--	3,547.94
				9/30/2002		33.03	--	3,546.47
				12/19/2002		33.75	--	3,545.75
				4/2/2003		34.30	--	3,545.20
				6/19/2003		34.36	--	3,545.14
				9/23/2003		35.12	--	3,544.38
				12/19/2003		35.61	--	3,543.89
				3/18/2004		36.17	--	3,543.33
				6/30/2004		35.87	--	3,543.63
				9/8/2004		36.07	--	3,543.43
				12/27/2004		29.52	--	3,549.98
				4/4/2005		29.78	--	3,549.72
				5/12/2005		29.51	--	3,549.99
				10/7/2005		29.78	--	3,549.72
				12/12/2006		32.40	--	3,547.10
				2/21/2007		33.20	--	3,546.30
				6/12/2007		33.82	--	3,545.68
				9/20/2007		34.28	--	3,545.22
				12/5/2007		34.43	--	3,545.07
				2/25/2008		34.97	--	3,544.53
				6/10/2008		35.69	--	3,543.81
				8/15/2008		35.96	--	3,543.54
				9/29/2008		36.04	--	3,543.46
				10/15/2008		36.09	--	3,543.41
				11/7/2008		35.80	--	3,543.70
				11/13/2008		35.77	--	3,543.73
				12/11/2008		35.86	--	3,543.64
				3/31/2009		36.40	--	3,543.10
				4/13/2009		36.48	--	3,543.02
				9/1/2009		36.19	--	3,543.31
				10/26/2009		36.51	--	3,542.99

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-6	4	30.53	3,585.36	10/31/1995		28.80	--	3,556.56
				11/14/1995		28.80	--	3,556.56
				1/24/1996	28.75	28.78	0.03	3,556.60
				6/26/1996		28.80	--	3,556.56
				9/26/1996		28.80	--	3,556.56
				1/28/1997		28.78	--	3,556.58
				2/27/1997		28.73	--	3,556.63
				5/19/1997	28.75	28.76	0.01	3,556.61
				8/19/1997	28.77	28.78	0.01	3,556.59
				1/5/1998	28.77	28.80	0.03	3,556.58
				5/26/1998	28.76	28.81	0.05	3,556.59
				4/7/1999	28.76	28.79	0.03	3,556.59
				8/13/1999	28.75	28.77	0.02	3,556.60
				3/29/2000	28.77	28.79	0.02	3,556.58
				7/18/2000	28.76	28.77	0.01	3,556.60
				1/18/2001	28.75	28.81	0.06	3,556.59
				4/26/2002	28.71	28.77	0.06	3,556.63
				6/6/2002	28.65	28.75	0.10	3,556.68
				9/30/2002	28.70	28.74	0.04	3,556.65
				12/19/2002	28.56	28.86	0.30	3,556.71
				4/2/2003	28.76	28.80	0.04	3,556.59
				6/19/2003	28.78	28.83	0.05	3,556.57
				9/23/2003	28.74	28.80	0.06	3,556.60
				12/19/2003	28.75	28.80	0.05	3,556.60
				3/18/2004	28.75	29.92	1.17	3,556.26
				6/30/2004	28.73	29.85	1.12	3,556.29
				9/8/2004		28.74	--	3,556.62
				12/27/2004		27.46	--	3,557.90
				4/4/2005		28.72	--	3,556.64
				5/12/2005		28.71	--	3,556.65
				10/7/2005		28.74	--	3,556.62
				12/12/2006		28.71	--	3,556.65
				2/21/2007	28.70	28.75	0.05	3,556.65
				6/12/2007	28.73	29.04	0.31	3,556.54
				9/20/2007		28.71	--	3,556.65
				12/5/2007		28.74	--	3,556.62
				2/25/2008		28.78	--	3,556.58
				6/10/2008		28.72	--	3,556.64
				8/15/2008		28.73	--	3,556.63
				9/29/2008		28.72	--	3,556.64
				10/15/2008		28.73	--	3,556.63
				11/7/2008		28.71	--	3,556.65
				11/13/2008		28.69	--	3,556.67
				12/11/2008		28.73	--	3,556.63
				3/31/2009		28.73	--	3,556.63
				4/13/2009		28.73	--	3,556.63
				9/1/2009		28.73	--	3,556.63
				10/26/2009		28.73	--	3,556.63

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-7	4	37.63	3,583.04	10/31/1995		31.25	--	3,551.79
				11/14/1995		34.30	--	3,548.74
				1/24/1996		31.77	--	3,551.27
				6/26/1996		32.10	--	3,550.94
				9/26/1996		32.20	--	3,550.84
				1/28/1997		32.45	--	3,550.59
				2/27/1997		32.47	--	3,550.57
				5/19/1997		32.34	--	3,550.70
				8/19/1997		31.29	--	3,551.75
				1/5/1998		28.65	--	3,554.39
				5/26/1998		26.75	--	3,556.29
				4/7/1999		27.20	--	3,555.84
				8/13/1999		25.10	--	3,557.94
				3/29/2000		23.75	--	3,559.29
				7/18/2000		25.90	--	3,557.14
				1/18/2001		22.60	--	3,560.44
				4/26/2002		29.45	--	3,553.59
				6/6/2002		30.11	--	3,552.93
				9/30/2002		31.38	--	3,551.66
				12/19/2002		31.80	--	3,551.24
				4/2/2003		32.14	--	3,550.90
				6/19/2003		34.36	--	3,548.68
				9/23/2003		32.50	--	3,550.54
				12/19/2003		32.70	--	3,550.34
				3/18/2004		32.91	--	3,550.13
				6/30/2004		32.05	--	3,550.99
				9/8/2004		32.15	--	3,550.89
				12/27/2004		26.09	--	3,556.95
				4/4/2005		27.35	--	3,555.69
				5/12/2005		26.65	--	3,556.39
				10/7/2005		27.70	--	3,555.34
				12/12/2006		31.21	--	3,551.83
				2/21/2007		31.72	--	3,551.32
				6/12/2007		32.09	--	3,550.95
				9/20/2007		32.09	--	3,550.95
				12/5/2007		32.18	--	3,550.86
				2/25/2008		32.41	--	3,550.63
				6/10/2008		32.71	--	3,550.33
				8/15/2008		32.80	--	3,550.24
				9/29/2008		32.83	--	3,550.21
				10/15/2008		32.82	--	3,550.22
				11/7/2008		32.40	--	3,550.64
				11/13/2008		32.36	--	3,550.68
				12/11/2008		32.35	--	3,550.69
				3/31/2009		32.84	--	3,550.20
				4/13/2009		32.87	--	3,550.17
				9/1/2009		32.16	--	3,550.88
				10/26/2009		32.44	--	3,550.60

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-10	4	37.13	3,580.08	10/31/1995	28.35	28.45	0.10	3,551.70
				11/14/1995	28.15	28.35	0.20	3,551.87
				1/24/1996	28.10	28.30	0.20	3,551.92
				6/26/1996	28.60	28.72	0.12	3,551.44
				9/26/1996	28.75	28.90	0.15	3,551.29
				1/28/1997	28.88	29.14	0.26	3,551.12
				2/27/1997	28.89	29.14	0.25	3,551.12
				5/19/1997	29.79	29.80	0.01	3,550.29
				8/19/1997	28.89	28.90	0.01	3,551.19
				1/5/1998	28.58	28.70	0.12	3,551.46
				5/26/1998	28.51	28.70	0.19	3,551.51
				4/7/1999	28.73	28.80	0.07	3,551.33
				8/13/1999	28.20	28.30	0.10	3,551.85
				3/29/2000	28.15	28.18	0.03	3,551.92
				7/18/2000	28.50	28.60	0.10	3,551.55
				1/18/2001	27.80	27.90	0.10	3,552.25
				4/26/2002		29.45	--	3,550.63
				6/6/2002		30.11	--	3,549.97
				9/30/2002		31.38	--	3,548.70
				12/19/2002		31.80	--	3,548.28
				4/2/2003		32.14	--	3,547.94
				6/19/2003		34.36	--	3,545.72
				9/23/2003		32.50	--	3,547.58
				12/19/2003		32.70	--	3,547.38
				3/18/2004		32.91	--	3,547.17
				6/30/2004		32.05	--	3,548.03
				9/8/2004		32.15	--	3,547.93
				12/27/2004		26.09	--	3,553.99
				4/4/2005		27.35	--	3,552.73
				5/12/2005		26.65	--	3,553.43
				10/7/2005		27.70	--	3,552.38
				12/12/2006		24.75	--	3,555.33
				2/21/2007		25.59	--	3,554.49
				6/12/2007		32.09	--	3,547.99
				9/20/2007		25.38	--	3,554.70
				12/5/2007		25.49	--	3,554.59
				2/25/2008		26.12	--	3,553.96
				6/10/2008		26.79	--	3,553.29
				8/15/2008		26.63	--	3,553.45
				9/29/2008		26.38	--	3,553.70
				10/15/2008		26.35	--	3,553.73
				11/7/2008		25.84	--	3,554.24
				11/13/2008		25.76	--	3,554.32
				12/11/2008		25.71	--	3,554.37
				3/31/2009		26.41	--	3,553.67
				4/13/2009		26.48	--	3,553.60
				9/1/2009		26.42	--	3,553.66
				10/26/2009		26.50	--	3,553.58

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-11	4	36.41	3,581.23	11/14/1995	29.60	29.68	0.08	3,551.61
				1/24/1996	29.32	29.49	0.17	3,551.86
				6/26/1996	30.30	30.43	0.13	3,550.89
				9/26/1996	30.45	31.00	0.55	3,550.62
				1/28/1997	30.61	31.39	0.78	3,550.39
				2/27/1997	30.61	31.53	0.92	3,550.34
				5/19/1997	30.61	31.39	0.78	3,550.39
				8/19/1997	30.78	31.25	0.47	3,550.31
				1/5/1998	30.40	30.51	0.11	3,550.80
				5/26/1998	30.25	30.26	0.01	3,550.98
				4/7/1999	30.45	31.00	0.55	3,550.62
				8/13/1999	29.55	29.85	0.30	3,551.59
				3/29/2000	29.30	29.35	0.05	3,551.92
				7/18/2000	29.65	29.70	0.05	3,551.57
				1/18/2001	29.00	29.10	0.10	3,552.20
				4/26/2002	27.11	27.13	0.02	3,554.11
				6/6/2002	27.01	27.04	0.03	3,554.21
				9/30/2002		26.00	--	3,555.23
				12/19/2002		25.71	--	3,555.52
				4/2/2003		26.17	--	3,555.06
				6/19/2003		26.50	--	3,554.73
				9/23/2003		27.11	--	3,554.12
				12/19/2003		27.36	--	3,553.87
				3/18/2004		27.56	--	3,553.67
				6/30/2004		26.84	--	3,554.39
				9/8/2004		27.81	--	3,553.42
				12/27/2004		24.56	--	3,556.67
				4/4/2005		25.41	--	3,555.82
				5/12/2005		25.96	--	3,555.27
				10/7/2005		26.16	--	3,555.07
				12/12/2006		25.93	--	3,555.30
				2/21/2007		26.76	--	3,554.47
				6/12/2007		27.12	--	3,554.11
				9/20/2007		26.61	--	3,554.62
				12/5/2007		26.78	--	3,554.45
				2/25/2008		26.39	--	3,554.84
				6/10/2008		27.89	--	3,553.34
				8/15/2008		27.86	--	3,553.37
				9/29/2008		27.63	--	3,553.60
				10/15/2008		27.59	--	3,553.64
				11/7/2008		27.10	--	3,554.13
				11/13/2008		26.93	--	3,554.30
				12/11/2008		26.91	--	3,554.32
				3/31/2009		27.62	--	3,553.61
				4/13/2009		27.68	--	3,553.55
				9/1/2009		27.64	--	3,553.59
				10/26/2009		27.71	--	3,553.52

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-12	4	43.27	3,581.89	11/14/1995	38.08	38.25	0.17	3,543.76
				1/24/1996	37.54	37.76	0.22	3,544.28
				6/26/1996	38.45	38.50	0.05	3,543.43
				9/26/1996	38.60	39.00	0.40	3,543.17
				1/28/1997	38.95	39.24	0.29	3,542.85
				2/27/1997	38.79	39.02	0.23	3,543.03
				5/19/1997	38.34	38.90	0.56	3,543.38
				8/19/1997	38.09	38.19	0.10	3,543.77
				1/5/1998	38.40	38.95	0.55	3,543.33
				5/26/1998	38.49	38.93	0.44	3,543.27
				4/7/1999	38.60	39.51	0.91	3,543.02
				8/13/1999	38.45	38.95	0.50	3,543.29
				3/29/2000	38.25	38.65	0.40	3,543.52
				7/18/2000	38.65	38.80	0.15	3,543.20
				1/18/2001	38.15	38.70	0.55	3,543.58
				4/26/2002	37.86	38.36	0.50	3,543.88
				6/6/2002	37.84	38.36	0.52	3,543.89
				9/30/2002	37.67	38.14	0.47	3,544.08
				12/19/2002	37.59	37.81	0.22	3,544.23
				4/2/2003	37.69	37.99	0.30	3,544.11
				6/19/2003	37.68	37.94	0.26	3,544.13
				9/23/2003	37.02	37.47	0.45	3,544.74
				12/19/2003	38.44	38.50	0.06	3,543.43
				3/18/2004	38.64	38.70	0.06	3,543.23
				6/30/2004	38.40	38.56	0.16	3,543.44
				9/8/2004	38.23	38.34	0.11	3,543.63
				12/27/2004		35.52	--	3,546.37
				4/4/2005		32.13	--	3,549.76
				5/12/2005		32.07	--	3,549.82
				10/7/2005		33.24	--	3,548.65
				12/12/2006		34.11	--	3,547.78
				2/21/2007		34.18	--	3,547.71
				6/12/2007		34.56	--	3,547.33
				9/20/2007		34.73	--	3,547.16
				12/5/2007		34.89	--	3,547.00
				2/25/2008		35.34	--	3,546.55
				6/10/2008		36.04	--	3,545.85
				8/15/2008		36.29	--	3,545.60
				9/29/2008		36.25	--	3,545.64
				10/15/2008		36.29	--	3,545.60
				11/7/2008		35.90	--	3,545.99
				11/13/2008		35.85	--	3,546.04
				12/11/2008		35.92	--	3,545.97
				3/31/2009		36.26	--	3,545.63
				4/13/2009		36.31	--	3,545.58
				9/1/2009		36.58	--	3,545.31
				10/26/2009		36.73	--	3,545.16

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-13	4	36.54	3,580.56	11/14/1995		30.25	--	3,550.31
				1/24/1996		29.88	--	3,550.68
				6/26/1996		30.55	--	3,550.01
				9/26/1996		30.70	--	3,549.86
				1/28/1997	30.81	31.42	0.61	3,549.57
				2/27/1997	30.83	31.43	0.60	3,549.55
				5/19/1997	31.04	31.61	0.57	3,549.35
				8/19/1997	31.01	31.44	0.43	3,549.42
				1/5/1998	30.80	31.02	0.22	3,549.69
				5/26/1998	30.67	30.74	0.07	3,549.87
				4/7/1999	30.85	31.03	0.18	3,549.66
				8/13/1999	29.75	29.77	0.02	3,550.80
				3/29/2000	29.78	29.80	0.02	3,550.77
				7/18/2000	29.80	29.82	0.02	3,550.75
				1/18/2001		29.20	--	3,551.36
				4/26/2002		28.19	--	3,552.37
				6/6/2002		28.24	--	3,552.32
				9/30/2002		25.90	--	3,554.66
				12/19/2002		26.58	--	3,553.98
				4/2/2003		27.51	--	3,553.05
				6/19/2003		28.30	--	3,552.26
				9/23/2003		28.89	--	3,551.67
				12/19/2003		29.20	--	3,551.36
				3/18/2004		28.84	--	3,551.72
				6/30/2004		27.91	--	3,552.65
				9/8/2004		27.81	--	3,552.75
				12/27/2004		24.07	--	3,556.49
				4/4/2005		23.57	--	3,556.99
				5/12/2005		25.12	--	3,555.44
				10/7/2005		26.26	--	3,554.30
				12/12/2006		26.12	--	3,554.44
				2/21/2007		27.24	--	3,553.32
				6/12/2007		27.38	--	3,553.18
				9/20/2007		26.82	--	3,553.74
				12/5/2007		27.00	--	3,553.56
				2/25/2008		27.79	--	3,552.77
				6/10/2008		28.63	--	3,551.93
				8/15/2008		27.87	--	3,552.69
				9/29/2008		27.72	--	3,552.84
				10/15/2008		27.72	--	3,552.84
				11/7/2008		27.10	--	3,553.46
				11/13/2008		27.00	--	3,553.56
				12/11/2008		27.04	--	3,553.52
				3/31/2009		28.06	--	3,552.50
				4/13/2009		28.17	--	3,552.39
				9/1/2009		28.86	--	3,551.70
				10/26/2009		28.23	--	3,552.33

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-14	4	48.35	3,581.81	11/14/1995		40.75	--	3,541.06
				1/24/1996		40.85	--	3,540.96
				6/26/1996		40.90	--	3,540.91
				9/26/1996		41.00	--	3,540.81
				1/28/1997		41.14	--	3,540.67
				2/27/1997		41.13	--	3,540.68
				5/19/1997		40.90	--	3,540.91
				8/19/1997		40.62	--	3,541.19
				1/5/1998		41.31	--	3,540.50
				5/26/1998	41.75	41.76	0.01	3,540.06
				4/7/1999	42.65	42.70	0.05	3,539.15
				8/13/1999		42.05	--	3,539.76
				3/29/2000	41.95	42.10	0.15	3,539.82
				7/18/2000	42.15	42.20	0.05	3,539.65
				1/18/2001		35.00	--	3,546.81
				4/26/2002	42.27	42.41	0.14	3,539.50
				6/6/2002	42.22	42.40	0.18	3,539.54
				9/30/2002	42.12	42.22	0.10	3,539.66
				12/19/2002	41.96	42.09	0.13	3,539.81
				4/2/2003	41.85	41.94	0.09	3,539.93
				6/19/2003	41.77	41.84	0.07	3,540.02
				9/23/2003	42.23	42.35	0.12	3,539.54
				12/19/2003	42.67	42.85	0.18	3,539.09
				3/18/2004		42.90	--	3,538.91
				6/30/2004	41.80	41.88	0.08	3,539.99
				9/8/2004	41.94	41.99	0.05	3,539.86
				12/27/2004		33.16	--	3,548.65
				4/4/2005		31.17	--	3,550.64
				5/12/2005		32.06	--	3,549.75
				10/7/2005		34.47	--	3,547.34
				12/12/2006		35.70	--	3,546.11
				2/21/2007		35.72	--	3,546.09
				6/12/2007		35.84	--	3,545.97
				9/20/2007		37.30	--	3,544.51
				12/5/2007		37.88	--	3,543.93
				2/25/2008		38.41	--	3,543.40
				6/10/2008		38.98	--	3,542.83
				8/15/2008		38.78	--	3,543.03
				9/29/2008		38.71	--	3,543.10
				10/15/2008	38.77	38.77	0.00	3,543.04
				11/7/2008	38.87	38.87	0.00	3,542.94
				11/14/2008	38.95	38.95	0.00	3,542.86
				12/11/2008		39.06	--	3,542.75
				3/31/2009		39.29	--	3,542.52
				4/13/2009		39.27	--	3,542.54
				9/1/2009		39.45	--	3,542.36
				10/26/2009		39.81	--	3,542.00

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-15	2	35.07	3,582.27	11/14/1995		33.60	--	3,548.67
				1/24/1996	32.96	33.16	0.20	3,549.25
				6/26/1996	33.95	34.30	0.35	3,548.22
				9/26/1996	33.20	33.40	0.20	3,549.01
				1/28/1997	33.10	33.49	0.39	3,549.05
				2/27/1997	33.09	33.47	0.38	3,549.07
				5/19/1997	33.15	33.58	0.43	3,548.99
				8/19/1997	33.11	33.12	0.01	3,549.16
				1/5/1998	33.21	33.58	0.37	3,548.95
				5/26/1998	33.08	33.42	0.34	3,549.09
				4/7/1999	33.05	33.40	0.35	3,549.12
				8/13/1999	33.15	33.40	0.25	3,549.05
				3/29/2000	32.60	33.15	0.55	3,549.51
				7/18/2000	33.25	33.35	0.10	3,548.99
				1/18/2001	32.50	33.05	0.55	3,549.61
				4/26/2002	31.59	32.31	0.72	3,550.46
				6/6/2002	31.61	32.32	0.71	3,550.45
				9/30/2002	31.39	32.06	0.67	3,550.68
				12/19/2002	31.30	31.85	0.55	3,550.81
				4/2/2003	31.77	32.25	0.48	3,550.36
				6/19/2003	31.93	32.23	0.30	3,550.25
				9/23/2003		32.32	--	3,549.95
				12/19/2003		32.34	--	3,549.93
				3/18/2004		32.51	--	3,549.76
				6/30/2004		32.38	--	3,549.89
				9/8/2004		32.28	--	3,549.99
				12/27/2004		28.91	--	3,553.36
				4/4/2005		DRY	--	--
				5/12/2005		DRY	--	--
				10/7/2005		31.44	--	3,550.83
				12/12/2006		31.21	--	3,551.06
				2/21/2007		31.44	--	3,550.83
				6/12/2007		31.73	--	3,550.54
				9/20/2007		31.47	--	3,550.80
				12/5/2007		31.40	--	3,550.87
				2/25/2008	31.68	31.68	0.00	3,550.59
				4/3/2008	31.88	31.88	0.00	3,550.39
				5/16/2008	31.89	31.92	0.03	3,550.37
				6/10/2008	31.92	31.96	0.04	3,550.34
				7/10/2008	31.95	32.00	0.05	3,550.31
				8/15/2008	31.95	31.99	0.04	3,550.31
				9/29/2009	31.91	31.95	0.04	3,550.35
				10/15/2008		31.88	--	3,550.39
				11/7/2008	31.73	31.73	0.00	3,550.54
				11/14/2008	31.72	31.72	0.00	3,550.55
				12/11/2008	31.64	31.64	0.00	3,550.63

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-15 (continued)				3/31/2009	31.77	31.82	0.05	3,550.49
				4/13/2009	31.79	31.84	0.05	3,550.47
				9/1/2009	31.78	31.84	0.06	3,550.47
				10/26/2009	31.83	31.86	0.03	3,550.43
WP-16	2	40.50	3,575.83	10/7/2005		34.11	--	3,541.72
				12/12/2006		34.64	--	3,541.19
				2/21/2007		35.95	--	3,539.88
				6/12/2007		35.38	--	3,540.45
				9/20/2007		35.55	--	3,540.28
				12/5/2007		35.61	--	3,540.22
				2/25/2008		35.89	--	3,539.94
				6/10/2008		36.51	--	3,539.32
				8/15/2008		36.81	--	3,539.02
				9/29/2008		36.83	--	3,539.00
				10/15/2008		36.83	--	3,539.00
				11/7/2008		36.68	--	3,539.15
				11/14/2008		36.76	--	3,539.07
				12/11/2008		36.67	--	3,539.16
				3/31/2009		36.99	--	3,538.84
				4/13/2009		37.03	--	3,538.80
WP-17	2	40.13	3,579.34	9/1/2009		37.43	--	3,538.40
				10/26/2009		37.55	--	3,538.28
				10/7/2005		35.78	--	3,543.56
				12/12/2006	36.85	36.85	0.00	3,542.49
				2/21/2007	36.78	36.79	0.01	3,542.56
				6/12/2007	37.01	37.05	0.04	3,542.32
				9/20/2007		37.55	--	3,541.79
				12/5/2007		37.85	--	3,541.49
				2/25/2008		38.15	--	3,541.19
				4/3/2008	38.70	38.70	0.00	3,540.64
				5/16/2008	38.54	38.55	0.01	3,540.80
				6/10/2008	38.35	38.36	0.01	3,540.99
				7/10/2008	38.48	38.48	0.00	3,540.86
				8/15/2008	38.43	38.44	0.01	3,540.91
				9/29/2008		38.22	--	3,541.12
				10/15/2008		38.13	--	3,541.21
				11/7/2008		38.10	--	3,541.24
				11/14/2008	38.18	38.18	0.00	3,541.16
				12/11/2008		38.32	--	3,541.02
				3/31/2009		38.83	--	3,540.51
				4/13/2009		38.85	--	3,540.49
				9/1/2009		39.30	--	3,540.04
				10/26/2009		39.46	--	3,539.88

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-18	2	44.57	3,579.24	10/7/2005	34.88	34.92	0.04	3,544.35
				12/12/2006	36.49	36.49	0.00	3,542.75
				2/21/2007	36.23	36.23	0.00	3,543.01
				6/12/2007		36.27	--	3,542.97
				9/20/2007		36.83	--	3,542.41
				12/5/2007	37.32	37.36	0.04	3,541.91
				2/25/2008	37.78	37.78	0.00	3,541.46
				4/3/2008	38.98	38.98	0.00	3,540.26
				5/16/2008	38.22	38.25	0.03	3,541.01
				6/10/2008	38.28	38.32	0.04	3,540.95
				7/10/2008	37.75	37.75	0.00	3,541.49
				8/15/2008		36.96	--	3,542.28
				9/29/2008		36.25	--	3,542.99
				10/15/2008		36.23	--	3,543.01
				11/7/2008		36.82	--	3,542.42
				11/14/2008	37.10	37.10	0.00	3,542.14
				12/11/2008		37.68	--	3,541.56
				3/31/2009	38.69	38.72	0.03	3,540.54
				4/13/2009	38.72	38.75	0.03	3,540.51
				9/1/2009	39.18	39.23	0.05	3,540.05
				10/26/2009	39.44	39.46	0.02	3,539.79
WP-19	2	54.31	3,588.25	1/6/2009		30.74	--	3,557.51
				3/31/2009		30.86	--	3,557.39
				4/13/2009		30.89	--	3,557.36
				9/1/2009		30.74	--	3,557.51
				10/26/2009		30.91	--	3,557.34
WP-20	2	52.33	3,587.02	1/6/2009		31.36	--	3,555.66
				3/31/2009		31.42	--	3,555.60
				4/13/2009		31.43	--	3,555.59
				9/1/2009		31.15	--	3,555.87
				10/26/2009		31.21	--	3,555.81
WP-21	2	52.77	3,574.61	5/28/2009		36.76	--	3,537.85
				9/1/2009		37.11	--	3,537.50
				10/26/2009		37.34	--	3,537.27

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services, L.P., Monument Gas Plant Gas Plant (GW-025)
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-22	2	53.49	3,581.05	5/28/2009		39.12	--	3,541.93
				9/1/2009		39.45	--	3,541.60
				10/26/2009		39.88	--	3,541.17
WP-23	2	52.50	3,572.29	5/28/2009		37.19	--	3,535.10
				9/1/2009		37.52	--	3,534.77
				10/26/2009		37.68	--	3,534.61

Notes

All values are in feet, unless otherwise noted.

TOC - top of casing

Elevations are referenced to 1984 Geodetic Datum.

LNAPL sheens are presented as 0.00 foot thickness

Table 2
BTEX in Groundwater Summary
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well ID	Quarter/Year	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			0.01	0.75	0.75	0.62
WP-1	3rd / 1995	10/31/1995	5.100	ND	0.18	ND
	4th / 1995	12/20/1995	5.000	ND	ND	ND
	1st / 1996	2/19/1996	6.300	ND	ND	ND
	2nd / 1996	7/11/1996	2.500	ND	0.060	0.058
	3rd / 1996	10/11/1996	1.100	0.033	0.068	0.280
	4th / 1996	1/17/1997	--	--	--	--
	1st / 1997	2/27/1997	0.590	ND	0.012	0.005
	2nd / 1997	5/19/1997	0.200	0.001	0.008	0.001
	3rd / 1997	8/19/1997	1.300	ND	ND	0.130
	4th / 1997	1/5/1998	1.200	ND	0.024	ND
	2nd / 1998	5/26/1998	1.500	ND	0.034	0.029
	3rd / 1999	10/28/1999	0.690	ND	ND	ND
	1st / 2000	1/18/2000	0.640	ND	ND	ND
	2nd / 2000	7/19/2000	1.700	ND	0.039	ND
	4th / 2000	1/26/2001	1.800	ND	0.0059	ND
	2nd / 2002	6/6/2002	1.930	<0.010	0.032	<0.020
	4th / 2002	12/19/2002	2.240	<0.100	0.161	0.151
	2nd / 2003	6/19/2003	3.460	<0.025	0.146	0.080
	4th / 2003	12/3/2003	1.600	0.011	0.143	0.029
	2nd / 2004	7/1/2004	1.100	<0.050	<0.0500	<0.0500
	4th / 2004	12/27/2004	1.730	<0.050	<0.050	<0.050
	2nd / 2005	06/14/2005	1.730	0.00321	0.006	0.00326
	4th / 2005	12/12/2005	1.920	<0.05	0.018	<0.100
	2nd / 2006	07/11/2006	1.530	0.00297	0.0331	0.0154
	4th / 2006	12/13/2006	0.131	0.00292	0.00495	0.00404
	2nd / 2007	6/12/2007	0.750	<0.100	<0.100	<0.150
	4th / 2007	12/6/2007	0.881	<0.01	0.0493	<0.015
	2nd / 2008	6/11/2008	0.276	<0.002	0.0777	<0.003
	4th / 2008	11/13/2008	0.219	<0.01	0.0965	<0.015
	2nd / 2009	4/14/2009	0.151	<0.01	0.0527	<0.015
	4th / 2009	10/27/2009	0.186	<0.002	0.0421	<0.003
WP-4	2nd / 2007	6/12/2007	0.824	0.244	0.325	0.741
	4th / 2007	12/6/2007	0.439	<0.01	0.0611	<0.015
	2nd / 2008	6/10/2008	0.133	0.0557	0.144	<0.06
	4th / 2008	11/13/2008	0.135	<0.01	0.0827	<0.015
	2nd / 2009	4/14/2009	dry	dry	dry	dry
	4th / 2009	10/28/2009	dry	dry	dry	dry
WP-4R	2nd / 2007	6/12/2007	0.0108	<0.010	<0.010	<0.0150
	4th / 2007	12/6/2007	0.0232	<0.002	0.0151	<0.003
	2nd / 2008	6/10/2008	<0.0008	0.00427	0.00282	<0.003
	4th / 2008	11/13/2008	0.00468	<0.002	<0.002	<0.003
	2nd / 2009	4/14/2009	0.01090	0.00235	<0.002	<0.003
	4th / 2009	10/27/2009	0.01710	<0.002	<0.002	<0.003

Table 2
BTEX in Groundwater Summary
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well ID	Quarter/Year	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			0.01	0.75	0.75	0.62
WP-5	3rd / 1995	10/31/1995	0.140	ND	0.002	0.002
	4th / 1995	12/20/1995	0.110	ND	0.001	ND
	1st / 1996	2/19/1996	0.140	ND	ND	ND
	2nd / 1996	7/11/1996	0.180	ND	ND	ND
	3rd / 1996	10/11/1996	0.200	ND	0.0011	ND
	4th / 1996	1/17/1997	0.260	0.0019	0.0022	ND
	1st / 1997	2/27/1997	0.290	ND	0.0011	ND
	2nd / 1997	5/19/1997	0.210	ND	ND	ND
	3rd / 1997	8/19/1997	0.430	ND	ND	ND
	4th / 1997	1/5/1998	0.750	ND	ND	ND
	2nd / 1998	5/26/1998	1.100	ND	0.0012	ND
	3rd / 1999	10/28/1999	0.230	ND	ND	ND
	1st / 2000	1/18/2000	0.190	ND	ND	ND
	2nd / 2000	7/19/2000	0.150	ND	ND	ND
	4th / 2000	1/26/2001	0.096	ND	ND	ND
	2nd / 2002	6/6/2002	0.089	0.002	<0.001	<0.002
	4th / 2002	12/19/2002	0.339	0.002	<0.001	0.003
	2nd / 2003	6/19/2003	2.370	<0.005	<0.005	<0.010
	4th / 2003	12/3/2003	3.970	<0.010	<0.010	<0.020
	2nd / 2004	7/1/2004	2.850	<0.050	<0.050	<0.050
	4th / 2004	12/27/2004	2.740	<0.020	<0.020	<0.020
	2nd / 2005	06/14/2005	3.610	<0.020	0.0109	<0.040
	4th / 2005	12/12/2005	6.260	<0.050	0.0147	< 0.100
	2nd / 2006	07/11/2006	5.310	<0.05	<0.05	<0.1
	4th / 2006	12/13/2006	0.128	<0.005	<0.005	<0.01
	2nd / 2007	6/12/2007	2.740	<0.100	<0.100	<0.150
	4th / 2007	12/6/2007	3.520	<0.01	<0.01	<0.0150
	2nd / 2008	6/11/2008	2.310	<0.002	<0.002	<0.003
	4th / 2008	11/13/2008	1.390	<0.04	<0.04	<0.06
	2nd / 2009	4/14/2009	dry	dry	dry	dry
	4th / 2009	10/27/2009	0.309	<0.004	<0.004	<0.006
WP-6	3rd / 1995	10/31/1995	0.620	ND	0.880	0.180
	4th / 1995	12/20/1995	0.290	ND	0.320	0.070
	1st / 1996	2/19/1996	0.610	ND	0.630	ND
	2nd / 1996	7/11/1996	0.280	0.025	0.450	0.042
	3rd / 1996	10/11/1996	0.280	ND	0.910	0.500
	4th / 1996	1/17/1997	0.180	ND	0.580	ND
	1st / 1997	2/27/1997	0.260	ND	0.690	ND
	2nd / 1997	5/19/1997	--	--	--	--
	3rd / 1997	8/19/1997	--	--	--	--
	4th / 1997	1/5/1998	--	--	--	--
	2nd / 1998	5/26/1998	--	--	--	--
	3rd / 1999	10/28/1999	--	--	--	--

Table 2
BTEX in Groundwater Summary
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well ID	Quarter/Year	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			0.01	0.75	0.75	0.62
WP-6 continued	1st / 2000	1/18/2000	--	--	--	--
	2nd / 2000	7/19/2000	0.034	ND	0.160	ND
	4th / 2000	1/26/2001	0.040	ND	0.130	0.0084
	2nd / 2002	06/07/2002	0.021	0.004	0.060	0.014
	2nd / 2005	06/14/2005	0.00808	0.0105	0.0155	0.0344
	2nd / 2006	07/11/2006	0.00351	0.00816	0.00444	0.01801
	2nd / 2007	6/13/2007	0.00128	<0.002	<0.002	<0.003
	4th / 2007	12/5/2007	0.00128	<0.002	<0.002	<0.003
	2nd / 2008	6/10/2008	<0.0008	0.00784	0.00748	<0.003
	4th / 2008	11/14/2008	0.117	<0.002	0.0180	<0.003
	2nd / 2009	4/14/2009	0.00148	<0.002	<0.002	<0.003
	4th / 2009	10/28/2009	0.0384	<0.002	0.0202	<0.003
WP-7	3rd / 1995	10/31/1995	ND	ND	ND	ND
	4th / 1995	12/20/1995	ND	ND	ND	ND
	1st / 1996	2/19/1996	ND	ND	0.0010	ND
	2nd / 1996	7/11/1996	ND	ND	ND	0.0011
	3rd / 1996	10/11/1996	ND	ND	ND	ND
	4th / 1996	1/17/1997	ND	ND	ND	ND
	1st / 1997	2/27/1997	ND	ND	ND	ND
	2nd / 1997	5/19/1997	ND	ND	ND	ND
	3rd / 1997	8/19/1997	ND	ND	ND	ND
	4th / 1997	1/5/1998	ND	ND	ND	ND
	2nd / 1998	5/26/1998	ND	ND	ND	ND
	3rd / 1999	10/28/1999	ND	ND	ND	ND
	1st / 2000	1/18/2000	ND	ND	ND	ND
	2nd / 2000	7/19/2000	ND	ND	ND	ND
	4th / 2000	1/26/2001	ND	ND	ND	ND
	2nd / 2004	07/01/2004	<0.001	<0.001	<0.001	<0.001
	2nd / 2005	06/14/2005	<0.001	<0.001	<0.001	<0.002
	2nd / 2006	07/11/2006	<0.001	<0.001	<0.001	<0.002
	2nd / 2007	6/13/2007	<0.0008	<0.002	<0.002	<0.003
	4th / 2007	12/5/2007	<0.0008	<0.002	<0.002	<0.003
	2nd / 2008	6/10/2008	<0.0008	<0.002	<0.002	<0.003
	4th / 2008	11/13/2008	<0.0008	<0.002	<0.002	<0.003
	2nd / 2009	4/13/2009	<0.0008	<0.002	<0.002	<0.003
	4th / 2009	10/27/2009	<0.0008	<0.002	<0.002	<0.003
WP-10	2nd / 2004	7/1/2004	1.980	<0.100	0.327	<0.100
	2nd / 2007	6/12/2007	4.070	<0.100	0.201	<0.150
	4th / 2007	12/5/2007	4.980	<0.002	0.251	<0.003
	2nd / 2008	6/10/2008	4.090	<0.02	0.219	<0.03
	4th / 2008	11/13/2008	4.470	<0.1	0.192	<0.15
	2nd / 2009	4/14/2009	3.54	<0.100	0.115	<0.150
	4th / 2009	10/28/2009	3.73	<0.002	0.161	<0.003

Table 2
BTEX in Groundwater Summary
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well ID	Quarter/Year	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			0.01	0.75	0.75	0.62
WP-11	2nd / 2004	7/1/2004	3.050	<0.005	<0.005	<0.005
	2nd / 2007	6/12/2007	5.510	<0.100	0.877	<0.150
	4th / 2007	12/5/2007	6.470	0.00259	0.599	<0.003
	2nd / 2008	6/10/2008	5.850	<0.02	0.646	<0.03
	4th / 2008	11/13/2008	6.050	<0.1	0.731	<0.15
	2nd / 2009	4/14/2009	4.91	<0.100	0.458	<0.150
	4th / 2009	10/28/2009	5.21	<0.002	0.603	<0.003
WP-12	2nd / 2007	6/12/2007	0.956	0.149	0.558	<0.150
	4th / 2007	12/5/2007	1.090	<0.02	0.155	<0.03
	2nd / 2008	6/10/2008	1.000	<0.04	0.182	<0.06
	4th / 2008	11/14/2008	1.730	<0.02	0.433	<0.03
	2nd / 2009	4/14/2009	1.81	0.0539	0.214	<0.03
	4th / 2009	10/28/2009	1.79	<0.002	0.264	<0.003
WP-13	4th / 1995	12/20/1995	5.100	ND	0.170	ND
	1st / 1996	2/19/1996	5.700	ND	0.150	ND
	2nd / 1996	7/11/1996	3.600	ND	0.130	ND
	3rd / 1996	10/11/1996	3.400	ND	0.500	0.320
	4th / 1996	1/17/1997	2.700	0.063	0.700	0.140
	1st / 1997	2/27/1997	--	--	--	--
	2nd / 1997	5/19/1997	--	--	--	--
	3rd / 1997	8/19/1997	--	--	--	--
	4th / 1997	1/5/1998	--	--	--	--
	2nd / 1998	5/26/1998	--	--	--	--
	3rd / 1999	10/28/1999	--	--	--	--
	1st / 2000	1/18/2000	--	--	--	--
	2nd / 2000	7/19/2000	1.800	ND	0.160	ND
	4th / 2000	1/26/2001	1.300	ND	0.057	ND
	2nd / 2002	6/7/2002	0.842	0.022	0.123	0.074
	2nd / 2003	6/19/2003	1.110	0.043	0.200	<0.121
	2nd / 2004	07/01/2004	0.586	<0.100	<0.100	<0.100
	2nd / 2005	06/14/2005	0.804	0.00721	0.064	0.015
	2nd / 2006	07/11/2006	0.415	0.00553	0.0331	0.0154
	2nd / 2007	6/12/2007	0.451	<0.100	<0.100	<0.150
	4th / 2007	12/6/2007	0.614	0.0215	0.0221	<0.03
	2nd / 2008	6/10/2008	0.273	0.109	0.163	<0.06
	4th / 2008	11/13/2008	0.232	<0.01	0.0128	<0.015
	2nd / 2009	4/13/2009	0.219	<0.002	<0.002	<0.003
	4th / 2009	10/27/2009	0.168	<0.002	0.00501	<0.003

Table 2
BTEX in Groundwater Summary
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well ID	Quarter/Year	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			0.01	0.75	0.75	0.62
WP-14	4th / 1995	12/20/1995	0.120	ND	0.002	0.021
	1st / 1996	2/19/1996	0.081	ND	0.001	ND
	2nd / 1996	7/11/1996	0.027	ND	ND	ND
	3rd / 1996	10/11/1996	0.029	0.0014	0.0061	0.012
	4th / 1996	1/17/1997	ND	ND	ND	ND
	1st / 1997	2/27/1997	0.027	0.0015	0.0016	0.0016
	2nd / 1997	5/19/1997	0.032	0.0014	0.0013	ND
	3rd / 1997	8/19/1997	0.065	ND	0.055	0.055
	4th / 1997	1/5/1998	0.030	ND	0.0029	0.0065
	2nd / 1998	5/26/1998	0.055	ND	0.060	0.046
	3rd / 1999	10/28/1999	0.011	ND	0.015	0.0308
	1st / 2000	1/18/2000	0.010	0.001	0.017	0.024
	2nd / 2000	7/19/2000	0.029	ND	0.007	0.0054
	4th / 2000	1/26/2001	0.018	ND	0.011	0.014
	2nd / 2002	6/7/2002	0.012	0.002	0.009	0.021
	2nd / 2003	6/19/2003	0.025	0.006	0.011	0.034
	2nd / 2004	07/01/2004	0.199	<0.020	<0.020	<0.020
	4th / 2005	12/12/2005	0.274	<0.005	<0.005	<0.010
	2nd / 2006	07/11/2006	0.105	0.00214	0.00426	0.00797
	4th / 2006	12/13/2006	0.221	0.00265	0.00354	0.00769
	2nd / 2007	6/12/2007	0.601	<0.100	<0.100	<0.150
	4th / 2007	12/5/2007	0.227	<0.002	0.0244	<0.003
	2nd / 2008	6/10/2008	0.316	<0.002	<0.002	<0.003
	4th / 2008	11/14/2008	0.194	<0.01	0.0116	<0.015
	2nd / 2009	4/14/2009	0.414	<0.01	0.0197	<0.015
	4th / 2009	10/28/2009	0.220	<0.002	0.0217	<0.003
WP-15	2nd / 2007	6/12/2007	0.941	<0.100	0.206	<0.150
	4th / 2007	12/5/2007	0.866	<0.002	0.0973	<0.003
	2nd / 2008	6/10/2008	N/S	N/S	N/S	N/S
	4th / 2008	11/14/2008	0.660	<0.01	0.0788	<0.015
	2nd / 2009	4/14/2009	0.575	0.212	0.101	0.137
	4th / 2009	10/28/2009	--	--	--	--
WP-16	2nd / 2005	08/09/2005	0.00438	<0.001	<0.001	<0.002
	2nd / 2006	07/11/2006	<0.001	0.000518	<0.001	<0.002
	4th / 2006	12/13/2006	0.000416	0.00242	0.00065	0.004301
	2nd / 2007	6/12/2007	<0.004	<0.010	<0.010	<0.015
	4th / 2007	12/5/2007	0.00198	<0.002	<0.002	<0.003
	2nd / 2008	6/11/2008	<0.0008	<0.002	<0.002	<0.003
	4th / 2008	11/14/2008	<0.0008	<0.002	<0.002	<0.003
	2nd / 2009	4/13/2009	0.00210	<0.002	<0.002	<0.003
	4th / 2009	10/27/2009	0.00191	<0.002	<0.002	<0.003

Table 2
BTEX in Groundwater Summary
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well ID	Quarter/Year	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			0.01	0.75	0.75	0.62
WP-17	2nd / 2005	08/09/2005	5.280	0.0909	1.220	0.2828
	2nd / 2006	07/11/2006	6.350	0.0399	0.794	0.214
	4th / 2006	12/13/2006	5.380	<0.100	0.438	<0.200
	2nd / 2007	6/13/2007	5.380	0.118	1.730	0.752
	2nd / 2008	6/10/2008	N/S	N/S	N/S	N/S
	4th / 2008	11/14/2008	dry	dry	dry	dry
	2nd / 2009	4/14/2009	3.75	0.420	0.711	0.203
	4th / 2009	10/28/2009	--	--	--	--
WP-18	2nd / 2005	08/09/2005	1.030	0.0294	0.354	0.2329
	2nd / 2006	07/11/2006	N/S	N/S	N/S	N/S
	4th / 2006	12/12/2006	0.428	<0.100	0.0735	0.049
	2nd / 2007	6/13/2007	0.503	<0.020	0.216	0.14
	2nd / 2008	6/10/2008	N/S	N/S	N/S	N/S
	4th / 2008	11/14/2008	0.399	<0.002	0.121	0.0703
	2nd / 2009	4/14/2009	0.380	0.142	0.246	0.163
	4th / 2009	10/28/2009	--	--	--	--
WP-19	1st / 2009	1/6/2009	<0.0008	<0.002	<0.002	<0.003
	2nd / 2009	4/13/2009	<0.0008	<0.002	<0.002	<0.003
	4th / 2009	10/27/2009	<0.0008	<0.002	<0.002	<0.003
WP-20	1st / 2009	1/6/2009	<0.0008	<0.002	<0.002	<0.003
	2nd / 2009	4/13/2009	<0.0008	<0.002	<0.002	<0.003
	4th / 2009	10/27/2009	<0.0008	<0.002	<0.002	<0.003
WP-21	2nd / 2009	5/28/2009	<0.0008	<0.002	<0.002	<0.003
	4th / 2009	10/27/2009	0.0011	<0.002	<0.002	<0.003
WP-22	2nd / 2009	5/28/2009	<0.0008	<0.002	<0.002	<0.003
	4th / 2009	10/27/2009	0.000872	<0.002	<0.002	<0.003
WP-23	2nd / 2009	5/28/2009	0.00145	<0.002	<0.002	<0.003
	4th / 2009	10/27/2009	0.00588	<0.002	<0.002	<0.003

Table 2
BTEX in Groundwater Summary
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well ID	Quarter/Year	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			0.01	0.75	0.75	0.62
Duplicates						
WP-1	4th / 2003	12/3/2003	1.680	0.012	0.155	0.023
WP-10	2nd / 2004	7/1/2004	1.910	<0.200	0.322	<0.200
WP-5	4th / 2004	12/27/2004	2.450	<0.020	<0.020	<0.020
WP-1	2nd / 2005	06/14/2005	1.630	0.00256	0.00527	0.00324
WP-14	4th / 2005	12/12/2005	0.274	<0.005	<0.005	<0.010
WP-1	2nd / 2006	07/11/2006	1.620	<0.01	0.0288	<0.02
WP-18	4th / 2006	12/12/2006	0.428	<0.100	0.0735	0.049
WP-14	4th / 2006	12/13/2006	0.200	0.00301	0.00371	0.00758
WP-16	2nd / 2007	6/12/2007	<0.004	<0.010	<0.010	<0.015
WP-16	4th / 2007	12/5/2007	0.00162	<0.002	<0.002	<0.003
WP-16	2nd / 2008	6/11/2008	<0.0008	<0.002	<0.002	<0.003
WP-16/DUP-1	4th / 2008	11/14/2008	0.00249	<0.002	<0.002	<0.003
WP-7/DUP-01	2nd / 2009	4/13/2009	<0.0008	<0.002	<0.002	<0.003
WP-21/DUP-1	2nd / 2009	5/28/2009	<0.0008	<0.002	<0.002	<0.003
WP-13/DUP-1	4th / 2009	10/27/2009	0.143	<0.002	0.00528	<0.003

Notes

NMWQCC - New Mexico Water Quality Control Commission Human Health Standard

Analyses after 1/2007 performed by DHL Analytical, Inc., Round Rock, Texas

Results reported in milligrams/Liter (mg/L)

ND - not detected

< Less than method detection limit

-- Product in well - no sample collected

Table 3
Dissolved Metals in Groundwater Summary
Targa Midstream Swervices, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWQCC Standard			0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-1	1st / 1997	2/27/1997	ND	1.3	ND	0.02	ND	ND	ND	ND
	2nd / 1997	5/19/1997	ND	2.6	ND	0.15	0.1	ND	ND	ND
	3rd / 1997	8/19/1997	ND	1.5	ND	0.03	ND	ND	ND	ND
	4th / 1997	1/5/1998	ND	0.8	ND	0.03	ND	ND	ND	ND
	2nd / 1998	5/26/1998	ND	0.7	ND	ND	ND	ND	ND	ND
	3rd / 1999	10/28/1999	0.0519	7.32	ND	ND	ND	ND	ND	ND
	1st / 2000	1/18/2000	0.0447	4.9	ND	ND	ND	ND	ND	ND
	2nd / 2000	7/19/2000	0.0333	2.77	ND	ND	ND	ND	ND	ND
	4th / 2000	1/26/2001	0.0361	4.23	ND	ND	ND	ND	ND	ND
	2nd / 2002	6/6/2002	0.017	1.9	0.001	<0.002	<0.011	<0.002	<0.004	<0.002
	2nd / 2003	6/19/2003	0.018	1.74	<0.001	<0.002	<0.011	<0.0005	<0.004	<0.002
	2nd / 2004	7/1/2004	<0.005	1.44	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003
	2nd / 2005	06/14/2005	0.0422	12.1	0.0052	<0.005	0.035	<0.001	<0.004	<0.005
	2nd / 2006	07/11/2006	0.0354	2.02	<0.0173	<0.0174	<0.0074	0.00021	<0.0751	<0.0101
	2nd / 2007	6/12/2007	0.00535	3.61	<0.0003	<0.01	0.0014	<0.00008	<0.002	<0.001
	4th / 2007	12/6/2007	0.0102	4.07	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-4	2nd / 2008	6/11/2008	0.0195	2.20	<0.0003	<0.002	<0.0003	<0.0004	<0.002	<0.001
	4th / 2008	11/13/2008	0.00812	3.77	<0.0003	<0.002	<0.0003	0.0000975	<0.002	<0.001
	2nd / 2009	4/14/2009	0.0164	3.18	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	4th / 2009	10/27/2009	0.0148	5.16	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2007	6/12/2007	<0.002	3.75	<0.0003	<0.002	0.0019	<0.00008	<0.002	<0.001
	4th / 2007	12/6/2007	<0.002	3.56	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2008	6/10/2008	0.00235	3.30	<0.0003	<0.002	0.000450	<0.00008	0.00214	<0.001
	4th / 2008	11/13/2008	<0.002	3.48	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2009	4/14/2009	dry	dry	dry	dry	dry	dry	dry	dry
	4th / 2009	10/28/2009	dry	dry	dry	dry	dry	dry	dry	dry

Table 3
Dissolved Metals in Groundwater Summary
Targa Midstream Swervices, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWQCC Standard			0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-4R	2nd / 2007	6/12/2007	0.008	0.580	<0.0003	<0.01	0.000631	<0.00008	0.00229	<0.001
	4th / 2007	12/6/2007	0.00297	1.3	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2008	6/10/2008	0.0186	0.149	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	4th / 2008	11/13/2008	0.00562	0.142	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2009	4/14/2009	0.0135	0.295	<0.0003	<0.002	0.000323	<0.00008	<0.002	<0.001
	4th / 2009	10/27/2009	0.00467	0.404	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-5	1st / 1997	2/27/1997	ND	0.5	ND	ND	ND	ND	ND	ND
	2nd / 1997	5/19/1997	ND	1.26	ND	0.08	ND	ND	ND	ND
	3rd / 1997	8/19/1997	ND	0.05	ND	ND	ND	ND	ND	ND
	4th / 1997	1/5/1998	ND	0.21	ND	ND	ND	ND	ND	ND
	2nd / 1998	5/26/1998	ND	0.03	ND	ND	ND	ND	ND	ND
	3rd / 1999	10/28/1999	0.00584	0.0468	ND	ND	ND	ND	0.00755	ND
	1st / 2000	1/18/2000	0.00903	0.0235	ND	ND	ND	ND	ND	ND
	2nd / 2000	7/19/2000	0.00837	0.0313	ND	ND	ND	ND	ND	ND
	4th / 2000	1/26/2001	0.0071	0.0219	ND	ND	ND	ND	ND	ND
	2nd / 2002	6/6/2002	<0.008	0.026	0.001	<0.002	<0.011	<0.002	<0.004	<0.002
	2nd / 2003	6/19/2003	<0.008	0.006	<0.001	<0.002	<0.011	<0.0005	<0.004	<0.002
	2nd / 2004	7/1/2004	<0.005	1.19	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003
	2nd / 2005	06/14/2005	<0.008	0.188	0.0013	0.0816	0.0421	<0.001	<0.004	<0.005
	2nd / 2006	07/11/2006	<0.0426	0.755	<0.0173	<0.0174	<0.0074	0.00014	<0.0751	<0.0101
	2nd / 2007	6/12/2007	<0.002	0.164	<0.0003	<0.002	<0.0003	<0.00008	0.0026	<0.001
	4th / 2007	12/6/2007	<0.002	0.137	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2008	6/11/2008	0.00269	0.207	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	4th / 2008	11/13/2008	<0.002	0.209	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2009	4/14/2009	dry	dry	dry	dry	dry	dry	dry	dry
	4th / 2009	10/27/2009	<0.002	0.216	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001

Table 3
Dissolved Metals in Groundwater Summary
Targa Midstream Swervices, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWQCC Standard			0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-6	1st / 1997	2/27/1997	ND	0.66	ND	0.14	ND	ND	ND	ND
	2nd / 2000	7/19/2000	0.00923	0.36	ND	0.0165	ND	ND	ND	ND
	4th / 2000	1/26/2001	ND	0.284	ND	ND	ND	ND	ND	ND
	2nd / 2004	07/01/2004	<0.008	0.185	0.002	<0.002	<0.011	<0.002	<0.004	<0.002
	2nd / 2005	06/14/2005	<0.008	0.132	<0.001	<0.005	<0.011	<0.001	<0.004	<0.005
	2nd / 2006	07/11/2006	<0.0426	0.101	<0.0173	<0.0174	<0.0074	0.00017	<0.0751	<0.0101
	2nd / 2007	6/13/2007	0.00403	0.0737	<0.0003	<0.01	<0.0003	<0.00008	0.00791	<0.001
	4th / 2007	12/5/2007	<0.002	0.0572	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2008	6/10/2008	0.00293	0.0458	<0.0003	0.00502	<0.0003	<0.00008	<0.002	<0.001
	4th / 2008	11/14/2008	0.00535	0.0496	<0.0003	0.00525	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2009	4/14/2009	<0.002	0.0378	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	4th / 2009	10/28/2009	<0.002	0.0374	<0.0003	0.00215	<0.0003	<0.00008	<0.002	<0.001
WP-7	1st / 1997	2/27/1997	ND	0.06	ND	ND	ND	ND	ND	ND
	2nd / 1997	5/19/1997	ND	0.52	ND	ND	ND	ND	ND	ND
	3rd / 1997	8/19/1997	ND	0.17	ND	ND	ND	ND	ND	ND
	4th / 1997	1/5/1998	ND	0.2	ND	ND	ND	ND	ND	ND
	2nd / 1998	5/26/1998	ND	0.045	ND	ND	ND	ND	ND	ND
	3rd / 1999	10/28/1999	0.0247	0.0313	ND	0.0415	ND	0.0014	0.0142	ND
	1st / 2000	1/18/2000	0.0252	0.0222	ND	ND	ND	ND	0.00794	ND
	2nd / 2000	7/19/2000	0.019	0.0265	ND	ND	ND	0.000908	0.00551	ND
	4th / 2000	1/26/2001	0.0319	0.023	ND	ND	ND	ND	0.0138	ND
	2nd / 2002	6/7/2002	0.013	0.017	0.001	<0.002	<0.011	<0.002	<0.004	<0.002
	2nd / 2003	6/19/2003	<0.008	0.003	<0.001	<0.002	<0.011	<0.0005	<0.004	<0.002
	2nd / 2004	7/1/2004	<0.005	0.581	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003
	2nd / 2005	06/14/2005	0.0401	0.0325	<0.001	0.2	0.0251	<0.001	<0.004	<0.005
	2nd / 2006	07/11/2006	0.0161	0.0315	<0.0173	<0.0174	<0.0074	0.00012	<0.0751	<0.0101
	2nd / 2007	6/13/2007	<0.002	0.0388	<0.0003	0.015	0.00342	<0.00008	<0.002	<0.001
	4th / 2007	12/5/2007	0.0128	0.022	<0.0003	0.0272	<0.0003	<0.00008	0.00929	<0.001
	2nd / 2008	6/10/2008	0.0113	0.0312	<0.0003	0.0200	<0.0003	<0.00008	0.00892	<0.001
	4th / 2008	11/13/2008	0.0157	0.0213	<0.0003	0.0499	<0.0003	<0.00008	0.0167	<0.001
	2nd / 2009	4/13/2009	0.0135	0.0183	<0.0003	0.0523	<0.0003	<0.00008	0.0138	<0.001
	4th / 2009	10/27/2009	0.0161	0.0178	<0.0003	0.122	<0.0003	<0.00008	0.0115	<0.001

Table 3
Dissolved Metals in Groundwater Summary
Targa Midstream Swervices, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWQCC Standard			0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-10	2nd / 2004	7/1/2004	<0.005	1.71	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003
	2nd / 2007	6/12/2007	0.00232	1.82	<0.0003	0.00581	0.000397	<0.00008	0.00386	<0.001
	4th / 2007	12/5/2007	<0.002	1.74	<0.0003	0.00315	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2008	6/10/2008	<0.002	2.10	<0.0003	0.00647	<0.0003	<0.00008	<0.002	<0.001
	4th / 2008	11/13/2008	<0.002	1.67	<0.0003	0.00568	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2009	4/14/2009	<0.002	1.95	<0.0003	0.00649	<0.0003	<0.00008	<0.002	<0.001
	4th / 2009	10/28/2009	<0.002	2.05	<0.0003	0.00758	<0.0003	<0.00008	<0.002	<0.001
WP-11	2nd / 2004	7/1/2004	<0.005	0.049	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003
	2nd / 2007	6/12/2007	<0.002	2.16	<0.0003	0.00685	0.000778	<0.00008	0.00416	<0.001
	4th / 2007	12/5/2007	<0.002	2.16	<0.0003	0.00546	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2008	6/10/2008	<0.002	2.21	<0.0003	0.00673	<0.0003	<0.00008	<0.002	<0.001
	4th / 2008	11/13/2008	<0.002	2.09	<0.0003	0.00778	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2009	4/14/2009	<0.002	2.40	<0.0003	0.00779	<0.0003	<0.00008	<0.002	<0.001
	4th / 2009	10/28/2009	<0.002	2.21	<0.0003	0.00838	<0.0003	<0.00008	<0.002	<0.001
WP-12	2nd / 2007	6/12/2007	0.0479	1.03	<0.0003	0.00783	0.00043	<0.00008	0.00722	<0.001
	4th / 2007	12/5/2007	0.0302	1.18	<0.0003	0.00648	0.000363	<0.00008	<0.002	<0.001
	2nd / 2008	6/10/2008	0.0429	1.13	<0.0003	0.00754	0.000404	<0.00008	<0.002	<0.001
	4th / 2008	11/14/2008	0.0522	1.20	<0.0003	0.00800	0.000402	<0.00008	<0.002	<0.001
	2nd / 2009	4/14/2009	0.00833	1.18	<0.0003	0.00734	0.000598	<0.00008	<0.002	<0.001
	4th / 2009	10/28/2009	0.0144	1.09	<0.0003	0.00743	<0.0003	<0.00008	<0.002	<0.001

Table 3
Dissolved Metals in Groundwater Summary
Targa Midstream Swervices, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWQCC Standard			0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-13	2nd / 2000	7/19/2000	ND	1.89	ND	ND	ND	ND	ND	ND
	4th / 2000	1/26/2001	0.00586	1.95	ND	ND	ND	ND	ND	ND
	2nd / 2002	6/7/2002	0.01	1.63	<0.001	<0.002	<0.011	<0.002	<0.004	<0.002
	2nd / 2003	6/19/2003	<0.008	1.07	<0.001	<0.002	<0.011	<0.0005	0.012	<0.002
	2nd / 2004	07/01/2004	<0.005	1.19	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003
	2nd / 2005	06/14/2005	0.0094	0.487	<0.001	<0.005	0.0306	<0.001	<0.004	<0.005
	2nd / 2006	07/11/2006	<0.0426	0.302	<0.0173	<0.0174	<0.0074	0.00018	<0.0751	<0.0101
	2nd / 2007	6/12/2007	0.00246	0.208	<0.0003	<0.002	0.00108	<0.00008	0.00338	<0.001
	4th / 2007	12/6/2007	<0.002	0.35	<0.0003	<0.002	<0.0003	<0.0004	<0.002	<0.001
	2nd / 2008	6/10/2008	<0.002	0.175	<0.0003	<0.002	0.000757	<0.00008	0.0965	<0.001
	4th / 2008	11/13/2008	<0.002	0.341	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2009	4/13/2009	<0.002	0.271	<0.0003	<0.002	0.000324	<0.00008	<0.002	<0.001
	4th / 2009	10/27/2009	<0.002	0.199	<0.0003	<0.002	0.00525	<0.00008	<0.002	<0.001
WP-14	1st / 1997	2/27/1997	ND	0.46	ND	ND	ND	ND	ND	ND
	2nd / 1997	5/19/1997	ND	0.68	ND	ND	ND	ND	ND	ND
	3rd / 1997	8/19/1997	ND	0.45	ND	ND	ND	ND	ND	ND
	4th / 1997	1/5/1998	ND	0.36	ND	ND	ND	ND	ND	ND
	2nd / 1998	5/26/1998	ND	0.080	ND	ND	ND	ND	ND	ND
	3rd / 1999	10/28/1999	0.00773	0.0338	ND	ND	ND	ND	ND	ND
	1st / 2000	1/18/2000	0.00819	0.0405	ND	ND	ND	ND	ND	ND
	2nd / 2000	7/19/2000	0.00991	0.0502	ND	ND	ND	ND	ND	ND
	4th / 2000	1/26/2001	0.0164	0.251	ND	ND	ND	ND	ND	ND
	2nd / 2002	6/7/2002	<0.008	0.02	0.002	<0.002	<0.011	<0.002	<0.004	<0.002
	2nd / 2004	07/01/2004	<0.008	0.020	0.002	<0.002	<0.011	<0.002	<0.004	<0.002
	2nd / 2005	06/14/2005	0.0335	0.142	<0.001	<0.005	0.0063	<0.001	<0.004	<0.005
	2nd / 2006	07/11/2006	<0.0426	0.107	<0.0173	<0.0174	<0.0074	0.00011	<0.0751	<0.0101
	2nd / 2007	6/12/2007	0.00242	0.0756	<0.0003	0.00435	<0.0003	<0.00008	0.00601	<0.001
	4th / 2007	12/5/2007	<0.002	0.0365	<0.0003	0.00343	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2008	6/10/2008	<0.002	0.0986	<0.0003	0.00348	<0.0003	<0.00008	0.00378	<0.001
	4th / 2008	11/14/2008	<0.002	0.0717	<0.0003	0.00448	<0.0003	<0.00008	0.00235	<0.001
	2nd / 2009	4/14/2009	<0.002	0.0778	<0.0003	0.00309	<0.0003	<0.00008	<0.002	<0.001
	4th / 2009	10/28/2009	<0.002	0.0979	<0.0003	0.00349	<0.0003	<0.00008	<0.002	<0.001

Table 3
Dissolved Metals in Groundwater Summary
Targa Midstream Swervices, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWQCC Standard			0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-15	2nd / 2007	6/12/2007	<0.002	0.598	<0.0003	0.00692	0.000332	<0.00008	0.00521	<0.001
	4th / 2007	12/5/2007	<0.002	0.513	<0.0003	0.00705	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2008	6/10/2008	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
	4th / 2008	11/14/2008	<0.002	0.656	<0.0003	0.00854	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2009	4/14/2009	<0.002	0.774	<0.0003	0.00758	0.000483	<0.00008	<0.002	<0.001
	4th / 2009	10/28/2009	--	--	--	--	--	--	--	--
WP-16	2nd / 2006	07/11/2006	<0.0426	0.0735	<0.0173	<0.0174	<0.0074	0.00014	<0.0751	<0.0101
	2nd / 2007	6/12/2007	0.00674	0.0953	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	4th / 2007	12/5/2007	0.00363	0.0911	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	2nd / 2008	6/11/2008	0.00539	0.0957	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	4th / 2008	11/14/2008	0.0498	0.922	<0.0003	0.0344	0.00197	<0.00008	<0.002	<0.001
	2nd / 2009	4/13/2009	0.00553	0.0927	0.000891	<0.002	<0.0003	<0.00008	<0.002	<0.001
	4th / 2009	10/27/2009	0.00438	0.0897	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-17	2nd / 2006	07/11/2006	0.0991	82.9	<0.0692	<0.0698	<0.0296	<0.00025	0.29	<0.0405
	2nd / 2007	6/13/2007	0.0062	80.1	<0.0003	<0.01	0.00568	<0.00008	<0.002	<0.001
	2nd / 2008	6/10/2008	dry	dry	dry	dry	dry	dry	dry	dry
	4th / 2008	11/14/2008	dry	dry	dry	dry	dry	dry	dry	dry
	2nd / 2009	4/14/2009	<0.002	69.2	<0.0003	<0.002	0.000724	<0.00008	<0.002	<0.001
	4th / 2009	10/28/2009	--	--	--	--	--	--	--	--
WP-18	2nd / 2006	07/11/2006	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
	2nd / 2007	6/13/2007	0.00774	1.46	<0.0003	<0.01	0.00182	<0.00008	<0.002	<0.001
	2nd / 2008	6/10/2008	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
	4th / 2008	11/14/2008	<0.002	3.28	<0.0003	0.00257	<0.0003	<0.00008	0.00267	<0.001
	2nd / 2009	4/14/2009	0.00578	2.34	<0.0003	<0.002	0.000395	<0.00008	<0.002	<0.001
	4th / 2009	10/28/2009	--	--	--	--	--	--	--	--
WP-19	1st / 2009	1/6/2009	0.0851	0.180	<0.0003	<0.002	0.0113	<0.00008	0.0131	<0.001
	2nd / 2009	4/13/2009	0.00593	0.0957	<0.0003	<0.002	<0.0003	<0.00008	0.00743	<0.001
	4th / 2009	10/27/2009	0.00544	0.0877	<0.0003	<0.002	0.000354	<0.00008	0.00557	<0.001

Table 3
Dissolved Metals in Groundwater Summary
Targa Midstream Swervices, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMW/QCC Standard			0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-20	1st / 2009	1/6/2009	0.00541	0.110	<0.0003	<0.002	0.00103	<0.00008	0.00456	<0.001
	2nd / 2009	4/13/2009	0.00635	0.0717	0.000334	<0.002	<0.0003	<0.00008	0.00413	<0.001
	4th / 2009	10/27/2009	0.00777	0.0519	<0.0003	<0.002	<0.0003	<0.00008	0.00431	<0.001
WP-21	2nd / 2009	5/28/2009	--	--	--	--	--	--	--	--
	4th / 2009	10/27/2009	0.0188	0.0216	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-22	2nd / 2009	5/28/2009	--	--	--	--	--	--	--	--
	4th / 2009	10/27/2009	<0.002	0.0435	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-23	2nd / 2009	5/28/2009	--	--	--	--	--	--	--	--
	4th / 2009	10/27/2009	0.0149	0.210	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
Duplicates										
WP-10	2nd / 2004	7/1/2004	<0.005	1.21	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003
WP-1	2nd / 2005	06/14/2005	0.0526	12.3	0.003	<0.005	0.0396	<0.001	<0.004	<0.005
WP-1	2nd / 2006	07/11/2006	0.0265	2.08	<0.0173	<0.0174	<0.0074	0.00026	<0.0751	<0.0101
WP-16	2nd / 2007	6/12/2007	0.00605	0.0867	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-16	4th / 2007	12/5/2007	0.00417	0.0927	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-16	2nd / 2008	6/11/2008	0.00417	0.0929	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-16/DUP-1	4th / 2008	11/14/2008	0.0126	0.237	<0.0003	0.00654	0.00158	<0.00008	<0.002	<0.001
WP-7/DUP-01	2nd / 2009	4/13/2009	0.0134	0.0177	<0.0003	0.0508	<0.0003	<0.00008	0.0144	<0.001
WP-21/DUP-1	2nd / 2009	5/28/2009	--	--	--	--	--	--	--	--
WP-13/DUP-1	4th / 2009	10/27/2009	<0.002	0.182	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001

Notes

Results reported in milligrams/Liter (mg/L)

< - Less than method detection limit

-- - no sample collected

Table 4
Groundwater Quality Parameters
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard							250	600		1,000
WP-1	3rd / 1995	10/31/1995	--	--	--	--	30	ND	--	907
	4th / 1995	12/20/1995	--	--	--	--	16	ND	--	798
	1st / 1996	2/19/1996	--	--	--	--	21	ND	--	1,146
	2nd / 1996	7/11/1996	--	--	--	--	78	9	--	1,369
	3rd / 1996	10/11/1996	--	--	--	--	202	8	--	1,481
	1st / 1997	2/27/1997	120	39	5	--	277	9	--	1,389
	2nd / 1997	5/19/1997	676	90.3	28	--	594	8,310	--	14,099
	3rd / 1997	8/19/1997	346	44.8	10	--	226	29	--	1,530
	4th / 1997	1/5/1998	122	26.3	7	--	92	9	--	1,319
	2nd / 1998	5/26/1998	61.6	22.4	4.0	--	31	4	--	--
	3rd / 1999	10/28/1999	123	70.9	5.16	--	28	6.53	--	851
	1st / 2000	1/18/2000	107	62.3	5.63	--	29.4	5.4	--	890
	2nd / 2000	7/19/2000	77.1	38.1	4.74	--	74.9	23	--	1,070
	4th / 2000	1/26/2001	98	57.2	5.6	--	22.4	3.5	--	540
	2nd / 2002	6/6/2002	--	--	--	--	97.5	7.8	--	1,070
	4th / 2002	12/19/2002	--	--	--	--	97.5	22.9	--	992
	2nd / 2003	6/19/2003	--	--	--	--	148	30.1	--	946
	4th / 2003	12/3/2003	--	--	--	--	186	<0.50	--	983
	2nd / 2004	7/1/2004	--	--	--	--	91.8	<5.00	--	1,010
	4th / 2004	12/27/2004	--	--	--	--	<5.00	<5.00	--	1,028
	2nd / 2005	06/14/2005	--	--	--	--	49.2	3.12	--	854
	4th / 2005	12/12/2005	--	--	--	--	23.7	14.9	--	698
	2nd / 2006	07/11/2006	--	--	--	--	19.9	<5	--	672
	4th / 2006	12/13/2006	86.6	62.2	4.51	90.2	15.2	5.24	618	764
	2nd / 2007	6/12/2007	82.0	47.0	4.38	92.2	20.9	<10	608	620
	4th / 2007	12/6/2007	79.1	45.4	3.84	72.2	26.2	<1	547	722
	2nd / 2008	6/11/2008	73.9	41.7	3.69	70.1	36.4	<1	520	627
	4th / 2008	11/13/2008	76.1	45.8	4.55	65.1	27.6	<1	539	714
	2nd / 2009	4/14/2009	81.8	44.9	4.11	65.0	38.6	<1	553	594
	4th / 2009	10/27/2009	85.9	50.7	3.99	60.5	40.3	<1	552	596

Table 4
Groundwater Quality Parameters
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard							250	600		1,000
WP-4	2nd / 2007	6/12/2007	41.3	35.8	3.06	570	161	<10	1,130	1,510
	4th / 2007	12/6/2007	35.8	24.4	2.51	466	126	<1	1,120	1,530
	2nd / 2008	6/10/2008	44	31.5	2.68	415	151	6.58	1,030	1,370
	4th / 2008	11/13/2008	46.3	34.0	2.88	398	127	10.2	1,070	1,450
	2nd / 2009	4/14/2009	dry	dry	dry	dry	dry	dry	dry	dry
	4th / 2009	10/28/2009	dry	dry	dry	dry	dry	dry	dry	dry
WP-4R	2nd / 2007	6/12/2007	71.4	37.3	3.69	425	244	69.9	864	1,410
	4th / 2007	12/6/2007	64.6	28.7	3.25	405	196	75.9	871	1,370
	2nd / 2008	6/10/2008	67	32	3.5	337	229	141	760	1,370
	4th / 2008	11/13/2008	67.5	31.1	4.12	336	200	132	724	1,380
	2nd / 2009	4/14/2009	56.2	25.9	3.11	331	155	101	786	1,270
	4th / 2009	10/27/2009	58.0	28.0	2.86	373	127	80	836	1,210
WP-5	3rd / 1995	10/31/1995	--	--	--	--	6,700	2,960	--	16,229
	4th / 1995	12/20/1995	--	--	--	--	7,500	2,670	--	17,087
	1st / 1996	2/19/1996	--	--	--	--	9,000	3,090	--	20,202
	2nd / 1996	7/11/1996	--	--	--	--	6,250	2,880	--	15,321
	3rd / 1996	10/11/1996	--	--	--	--	6,150	2,800	--	15,024
	4th / 1996	1/17/1997	--	--	--	--	6,350	3,110	--	15,833
	1st / 1997	2/27/1997	--	--	--	--	6,300	2,800	--	15,190
	2nd / 1997	5/19/1997	--	--	--	--	6,820	2,440	--	15,288
	3rd / 1997	8/19/1997	--	--	--	--	14,200	5,550	--	32,222
	4th / 1997	1/5/1998	--	--	--	--	5,760	2,900	--	14,579
	2nd / 1998	5/26/1998	--	--	--	--	6,600	2,800	--	--
	3rd / 1999	10/28/1999	--	--	--	--	8,410	3,830	--	20,200
	1st / 2000	1/18/2000	--	--	--	--	9,340	4,780	--	23,700
	2nd / 2000	7/19/2000	--	--	--	--	9,530	1,400	--	22,000
	4th / 2000	1/26/2001	--	--	--	--	8,790	9,400	--	15,700
	2nd / 2002	6/6/2002	--	--	--	--	6,380	3,960	--	16,100
	4th / 2002	12/19/2002	--	--	--	--	5,140	2,580	--	11,700

Table 4
Groundwater Quality Parameters
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard							250	600		1,000
WP-5 Continued	2nd / 2003	6/19/2003	--	--	--	--	1,600	972	--	5,090
	4th / 2003	12/3/2003	--	--	--	--	886	401	--	3,300
	2nd / 2004	7/1/2004	--	--	--	--	427	239	--	2,500
	4th / 2004	12/27/2004	--	--	--	--	584	475	--	2,715
	2nd / 2005	06/14/2005	--	--	--	--	385	138	--	1,880
	4th / 2005	12/12/2005	--	--	--	--	1,040	206	--	3,430
	2nd / 2006	07/11/2006	--	--	--	--	1,320	431	--	3,980
	4th / 2006	12/13/2006	14.5	6.58	14.9	888	504	173	1,100	2,180
	2nd / 2007	6/12/2007	32.0	17.2	16.0	1,240	1,240	172	1,140	3,640
	4th / 2007	12/6/2007	25.4	12.1	14.0	1,020	869	102	1,160	2,950
	2nd / 2008	6/11/2008	37.4	21.9	18.4	1,310	1,470	181	1,230	3,640
	4th / 2008	11/13/2008	32.3	18.9	15.4	1,120	987	62.0	1,170	3,110
	2nd / 2009	4/14/2009	dry	dry	dry	dry	dry	dry	dry	dry
	4th / 2009	10/27/2009	24.9	11.5	11.5	752.0	416	84.7	1,080	1,990
WP-6	3rd / 1995	10/31/1995	--	--	--	--	2,100	53	--	5,271
	4th / 1995	12/20/1995	--	--	--	--	1,900	28	--	5,259
	1st / 1996	2/19/1996	--	--	--	--	1,500	21	--	4,718
	2nd / 1996	7/11/1996	--	--	--	--	1,520	34	--	4,724
	3rd / 1996	10/11/1996	--	--	--	--	1,670	17	--	3,678
	4th / 1996	1/17/1997	--	--	--	--	1,500	268	--	4,371
	1st / 1997	2/27/1997	189	134	26	--	1,420	71	--	4,654
	2nd / 2000	7/19/2000	144	150	17.8	--	1,660	46	--	4,310
	4th / 2000	1/26/2001	188	147	20.9	--	1,900	480	--	2,900
	2nd / 2002	06/07/2002	--	--	--	--	1,600	147	--	4,410
	2nd / 2005	06/14/2005	--	--	--	--	1,100	1,980	--	4,670
	2nd / 2006	07/11/2006	--	--	--	--	807	2,060	--	8,620
	2nd / 2007	6/13/2007	429	177	15	748	635	2,000	556	4,530
	4th / 2007	12/5/2007	437	169	23.4	1,530	1,840	2,290	1,140	7,140
	2nd / 2008	6/10/2008	293	138	11.8	634	688	1,460	704	3,780
	4th / 2008	11/14/2008	224	126	12.7	592	448	999	636	3,080
	2nd / 2009	4/14/2009	352	145	11.7	631	440	1,750	652	4,080
	4th / 2009	10/28/2009	311	134	12.7	741	659	1,540	726	4,100

Table 4
Groundwater Quality Parameters
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard							250	600		1,000
WP-7	3rd / 1995	10/31/1995	--	--	--	--	16,000	5,830	--	35,492
	4th / 1995	12/20/1995	--	--	--	--	15,000	5,390	--	32,986
	1st / 1996	2/19/1996	--	--	--	--	16,500	6,160	--	36,587
	2nd / 1996	7/11/1996	--	--	--	--	15,200	6,270	--	34,522
	3rd / 1996	10/11/1996	--	--	--	--	15,200	5,720	--	33,712
	4th / 1996	1/17/1997	--	--	--	--	15,200	3,510	--	30,385
	1st / 1997	2/27/1997	909	358	123	--	15,200	6,170	--	34,468
	2nd / 1997	5/19/1997	1,350	377	119	--	16,200	5,160	--	34,470
	3rd / 1997	8/19/1997	1,110	381	114	--	6,870	3,350	--	16,781
	4th / 1997	1/5/1998	634	157	70	--	9,300	6,900	--	26,116
	2nd / 1998	5/26/1998	749	195	113	--	12,700	8,800	--	--
	3rd / 1999	10/28/1999	698	158	173	--	11,800	7,080	--	30,800
	1st / 2000	1/18/2000	650	145	209	--	11,700	7,560	--	28,600
	2nd / 2000	7/19/2000	953	160	267	--	10,600	1,370	--	25,400
	4th / 2000	1/26/2001	508	110	208	--	7,580	11,700	--	7,180
	2nd / 2002	6/7/2002	--	--	--	--	5,670	905	--	16,800
	2nd / 2003	6/19/2003	--	--	--	--	13,800	6550	--	30,700
	2nd / 2004	07/01/2004	--	--	--	--	7,440	3270	--	28,500
	2nd / 2005	06/14/2005	--	--	--	--	10,900	7310	--	15,500
	2nd / 2006	07/11/2006	--	--	--	--	10,400	4,340	--	12,100
WP-10	2nd / 2007	6/13/2007	773	352	140	9,140	14,100	5,510	475	29,400
	4th / 2007	12/5/2007	678	282	112	7,870	12,400	4,980	499	27,800
	2nd / 2008	6/10/2008	792	342	121	8,980	14,900	5,430	479	26,000
	4th / 2008	11/13/2008	608	288	106	7,740	11,900	4,670	453	28,300
	2nd / 2009	4/13/2009	572	251	91.3	6,760	9,450	4,270	546	23,300
	4th / 2009	10/27/2009	506	226	76.4	6,690	9,560	3,900	482	20,000
	2nd / 2004	7/1/2004	--	--	--	--	832	106	--	3,550
	2nd / 2007	6/12/2007	90.2	58.6	10.6	648	552	43.5	1,240	2,300
	4th / 2007	12/5/2007	86.9	64.2	9.75	505	433	5.42	1,250	2,190
	2nd / 2008	6/10/2008	86.5	63.6	11.0	625	572	17.1	1,210	2,270
	4th / 2008	11/13/2008	97.7	72.3	11.20	586	462	89.8	1,160	2,310
	2nd / 2009	4/14/2009	86.1	60.3	10.4	594	568	23.2	1,230	2,290
	4th / 2009	10/28/2009	98.8	70.5	11.4	684	575	16.2	1,210	2,340

Table 4
Groundwater Quality Parameters
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMW/QCC Standard							250	600		1,000
WP-11	2nd / 2004	7/1/2004	--	--	--	--	482	79.2	--	1,945
	2nd / 2007	6/12/2007	77.2	57.2	11.4	644	523	21.6	1,190	2,140
	4th / 2007	12/5/2007	75.8	56.8	9.7	585	478	5.59	1,190	2,210
	2nd / 2008	6/10/2008	71.7	56.3	10.9	572	543	7.75	1,170	2,100
	4th / 2008	11/13/2008	74.2	60.2	10.8	594	532	12.3	1,150	2,230
	2nd / 2009	4/14/2009	79.7	58.5	11.2	580	469	4.86	1,240	2,150
	4th / 2009	10/28/2009	85.4	64.5	11.6	631	553	4.98	1,180	2,230
WP-12	2nd / 2007	6/12/2007	47.8	31.5	4.18	1,160	1,170	<10	1,530	3,320
	4th / 2007	12/5/2007	38.8	26.7	3.25	1,150	1,070	<1	1,530	3,300
	2nd / 2008	6/10/2008	40.9	27.1	3.53	1,100	1,050	4.25	1,570	3,340
	4th / 2008	11/14/2008	42.0	26.9	3.45	1,130	804	1.62	1,630	3,460
	2nd / 2009	4/14/2009	45.9	27.6	3.42	1,050	721	<1	1,800	3,180
	4th / 2009	10/28/2009	55.6	31.9	3.48	1,170	751	<1	1,730	3,270
WP-13	4th / 1995	12/20/1995	--	--	--	--	2,300	11	--	5,387
	1st / 1996	2/19/1996	--	--	--	--	1,150	5	--	3,495
	2nd / 1996	7/11/1996	--	--	--	--	975	13	--	3,229
	3rd / 1996	10/11/1996	--	--	--	--	975	9	--	3,027
	4th / 1996	1/17/1997	--	--	--	--	487	15	--	2,207
	2nd / 2000	7/19/2000	81.2	49.2	6.68	--	681	288	--	2,310
	4th / 2000	1/26/2001	73.4	49.1	6.68	--	569	3.5	--	13,400
	2nd / 2002	6/7/2002	--	--	--	--	768	8.7	--	2,980
	2nd / 2003	6/19/2003	--	--	--	--	576	31.8	--	2,000
	2nd / 2004	07/01/2004	--	--	--	--	642	75.2	--	2,640
	2nd / 2005	06/14/2005	--	--	--	--	327	232	--	2,250
	2nd / 2006	07/11/2006	--	--	--	--	209	186	--	1,460
	2nd / 2007	6/12/2007	136	86.6	5.21	286	168	248	883	1,580
	4th / 2007	12/6/2007	99	61.7	4.9	375	165	144	1,030	1,580
	2nd / 2008	6/10/2008	152	88.9	4.76	215	180	388	784	1,600
	4th / 2008	11/13/2008	85.6	55.5	4.61	408	238	54.3	1,070	1,730
	2nd / 2009	4/13/2009	147	87.8	4.92	285	189	261	928	1,650
	4th / 2009	10/27/2009	129	76.6	4.85	331	193	174	958	1,550

Table 4
Groundwater Quality Parameters
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard							250	600		1,000
WP-14	4th / 1995	12/20/1995	--	--	--	--	7,750	1,170	--	15,888
	1st / 1996	2/19/1996	--	--	--	--	10,000	2,670	--	21,366
	2nd / 1996	7/11/1996	--	--	--	--	12,200	3,040	--	25,570
	3rd / 1996	10/11/1996	--	--	--	--	11,500	29	--	19,754
	4th / 1996	1/17/1997	--	--	--	--	11,700	3,110	--	24,483
	1st / 1997	2/27/1997	890	314	78	--	11,700	3,780	--	25,463
	2nd / 1997	5/19/1997	1,160	325	79	--	12,400	2,740	--	25,009
	3rd / 1997	8/19/1997	859	304	69	--	10,600	3,790	--	23,619
	4th / 1997	1/5/1998	923	310	70	--	12,000	3,500	--	25,345
	2nd / 1998	5/26/1998	816	328	75.0	--	13,100	3,840	--	--
	3rd / 1999	10/28/1999	759	323	74.5	--	11,400	3,460	--	24,500
	1st / 2000	1/18/2000	633	276	71.6	--	11,200	3,060	--	24,000
	2nd / 2000	7/19/2000	572	279	69.9	--	11,100	2,300	--	20,500
	4th / 2000	1/26/2001	679	322	77.7	--	11,600	3,950	--	18,000
	4th / 2002	12/19/2002	--	--	--	--	11,300	3,520	--	25,400
	2nd / 2004	07/01/2004	--	--	--	--	12,200	2,940	--	25,600
	4th / 2004	12/27/2004	--	--	--	--	7,740	2,380	--	14,900
	2nd / 2005	06/14/2005	--	--	--	--	5,470	2,510	--	8,910
	4th / 2005	12/12/2005	--	--	--	--	4,250	1,400	--	11,400
	2nd / 2006	07/11/2006	--	--	--	--	5,050	1,720	--	11,000
	4th / 2006	12/13/2006	198	130	41	2,970	3,800	1,100	1,300	8,790
	2nd / 2007	6/12/2007	210	108	27	3,160	4,560	1,430	1,180	9,180
	4th / 2007	12/5/2007	126	75.8	24	2,740	3,500	925	1,310	8,700
	2nd / 2008	6/10/2008	105	80.2	24.8	2,770	3,970	789	1,440	7,900
	4th / 2008	11/14/2008	217	121	28.8	3,490	4,410	1,140	1,210	11,000
	2nd / 2009	4/14/2009	113	72.0	23.2	2,740	3,540	715	1,470	8,740
	4th / 2009	10/28/2009	86.9	69.1	22.0	2,800	3,830	640	1,480	8,430
WP-15	2nd / 2007	6/12/2007	69.9	54.4	7.83	925	1,000	76.4	1,240	2,950
	4th / 2007	12/5/2007	55.2	48.4	6.84	790	986	70.6	1,160	2,570
	2nd / 2008	6/10/2008	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
	4th / 2008	11/14/2008	64.4	49.6	7.16	886	954	22.7	1,200	2,920
	2nd / 2009	4/14/2009	56.6	46.6	7.24	849	799	6.87	1,340	2,920
	4th / 2009	10/28/2009	--	--	--	--	--	--	--	--

Table 4
Groundwater Quality Parameters
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard							250	600		1,000
WP-16	2nd / 2006	07/11/2006	--	--	--	--	690	202	--	2,940
	4th / 2006	12/13/2006	13.8	12.6	6.6	1,710	680	182	1,360	2,900
	2nd / 2007	6/12/2007	9.7	10.1	3.78	912	577	120	1,350	2,630
	4th / 2007	12/5/2007	8.97	7.41	2.96	905	553	91.7	1,290	2,470
	2nd / 2008	6/11/2008	8.28	7.41	3.02	811	501	72.8	1,320	2,260
	4th / 2008	11/14/2008	53.6	25.0	3.51	1,050	421	70.3	1,280	2,320
	2nd / 2009	4/13/2009	8.64	7.72	3.24	881	421	62.1	1,420	2,300
	4th / 2009	10/27/2009	9.26	8.44	3.13	881	421	65.3	1,340	2,200
WP-17	2nd / 2006	07/11/2006	--	--	--	--	4,700	<50	--	7,150
	4th / 2006	12/13/2006	249	399	21.4	3,240	4,770	178	1,960	9,110
	2nd / 2007	6/13/2007	227	346	9.99	2,550	4,750	<10	918	8,280
	2nd / 2008	6/10/2008	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
	4th / 2008	11/14/2008	dry	dry	dry	dry	dry	dry	dry	dry
	2nd / 2009	4/14/2009	192	270	7.72	2,120	4,440	<1.00	936	8,120
	4th / 2009	10/28/2009	--	--	--	--	--	--	--	--
WP-18	2nd / 2006	07/11/2006	--	--	--	--	--	--	--	--
	4th / 2006	12/13/2006	285	162	46.2	5,060	7,510	493	1,160	14,400
	2nd / 2007	6/13/2007	71.7	174	12.5	5,080	7,510	523	2,190	13,200
	2nd / 2008	6/10/2008	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
	4th / 2008	11/14/2008	47.0	107	8.55	3,900	4,630	35.3	2,430	10,700
	2nd / 2009	4/14/2009	47.0	122	9.19	3,990	5,180	226	2,530	11,200
	4th / 2009	10/28/2009	--	--	--	--	--	--	--	--
WP-19	1st / 2009	1/6/2009	1,450	719	62.2	10,400	17,700	4,020	552	38,000
	2nd / 2009	4/13/2009	1,450	762	61.4	9,920	20,500	3,810	530	41,300
	4th / 2009	10/27/2009	1,660	940	60.2	11,100	21,600	3,870	534	40,500
WP-20	1st / 2009	1/6/2009	1,090	404	44.2	4,500	7,780	3,310	362	17,300
	2nd / 2009	4/13/2009	1,080	446	37.2	4,200	8,210	3,060	444	19,100
	4th / 2009	10/27/2009	972	411	46.3	5,600	8,670	3,470	475	18,300

Table 4
Groundwater Quality Parameters
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitor Well	Quarter/Year	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMW/QCC Standard										
WP-21	2nd / 2009	5/28/2009	--	--	--	--	250	600		1,000
	4th / 2009	10/27/2009	281	110	32.6	2,610	3,750 3,620	1,510 1,460	417 492	8,380 8,110
WP-22	2nd / 2009	5/28/2009	--	--	--	--	2,480	832	405	5,360
	4th / 2009	10/27/2009	254	84	16.7	1,320	2,010	761	412	4,490
WP-23	2nd / 2009	5/28/2009	--	--	--	--	9,180	1,210	984	16,000
	4th / 2009	10/27/2009	255	290	17.6	5,170	7,790	1,060	1,220	14,800
Duplicates										
WP-10	2nd / 2004	7/1/2004	--	--	--	--	930	105	--	5,400
WP-5	4th / 2004	12/27/2004	--	--	--	--	653	477	--	2,625
WP-1	2nd / 2005	06/14/2005	--	--	--	--	50.5	3.26	--	852
WP-14	4th / 2005	12/12/2005	--	--	--	--	4,770	1,590	--	10,400
WP-1	2nd / 2006	07/11/2006	--	--	--	--	20.1	<5	--	654
WP-14	4th / 2006	12/13/2006	285	162	46	5,060	4,860	1,500	1,160	11,400
WP-16	2nd / 2007	6/12/2007	9.2	10.5	3.71	969	592	119	1,350	2,590
WP-16	4th / 2007	12/5/2007	8.95	7.88	3.15	895	547	92	1,300	2,470
WP-16	2nd / 2008	6/11/2008	8.28	7.41	3.02	811	501	72.8	1,320	2,260
WP-16/DUP-1	4th / 2008	11/14/2008	47.80	12.0	3.32	890	444	69.7	1,280	2,330
WP-7/DUP-01	2nd / 2009	4/13/2009	565	239	88.6	6,970	10,200	4,170	548	23,300
WP-21/DUP-1	2nd / 2009	5/28/2009	--	--	--	--	3,920	1,620	442	8,610
WP-13/DUP-1	4th / 2009	10/27/2009	134	81.2	5.25	318	198	183	923	1,510

Notes

Results reported in milligrams/Liter (mg/L)

< - Less than method detection limit

-- - Sample not collected

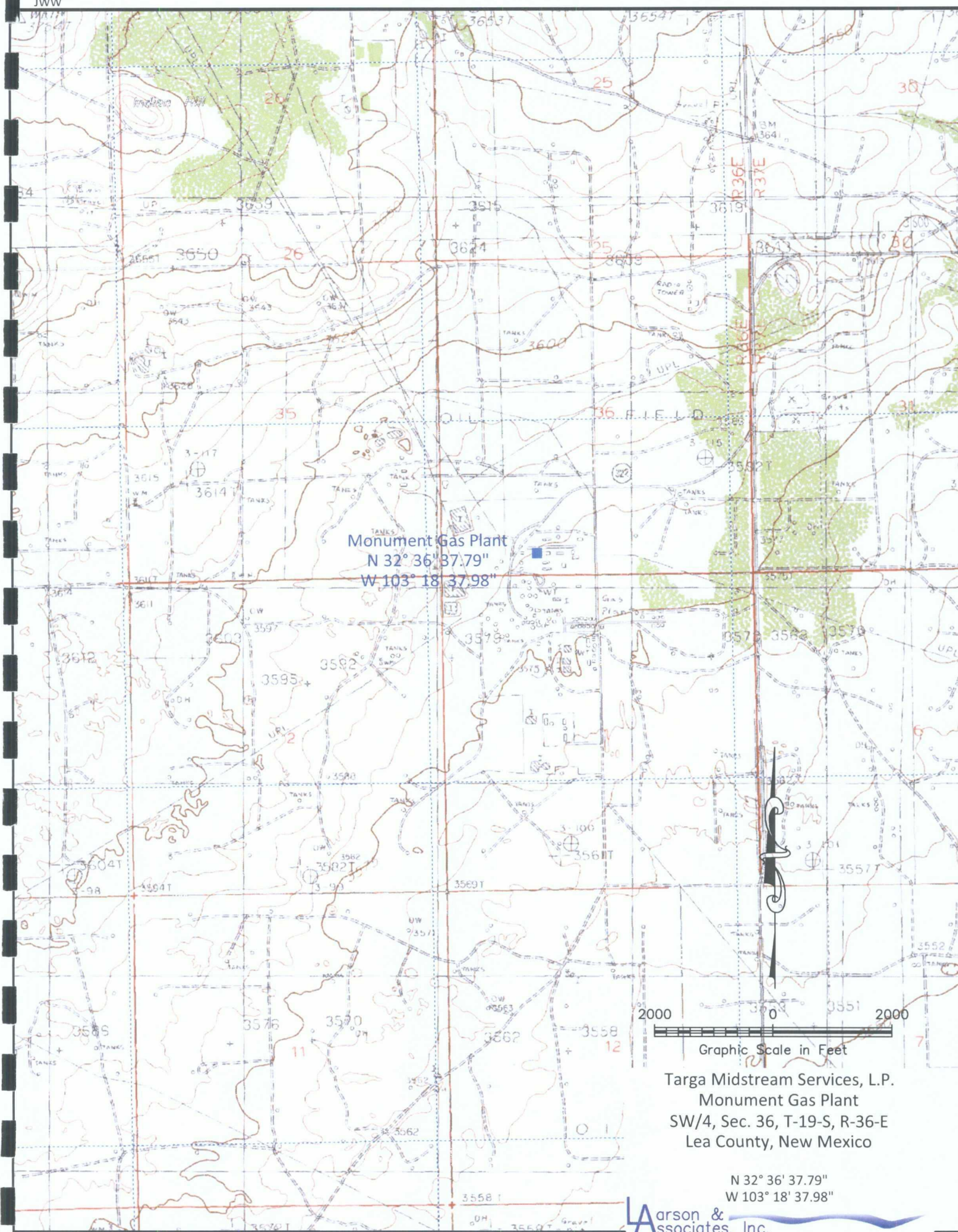
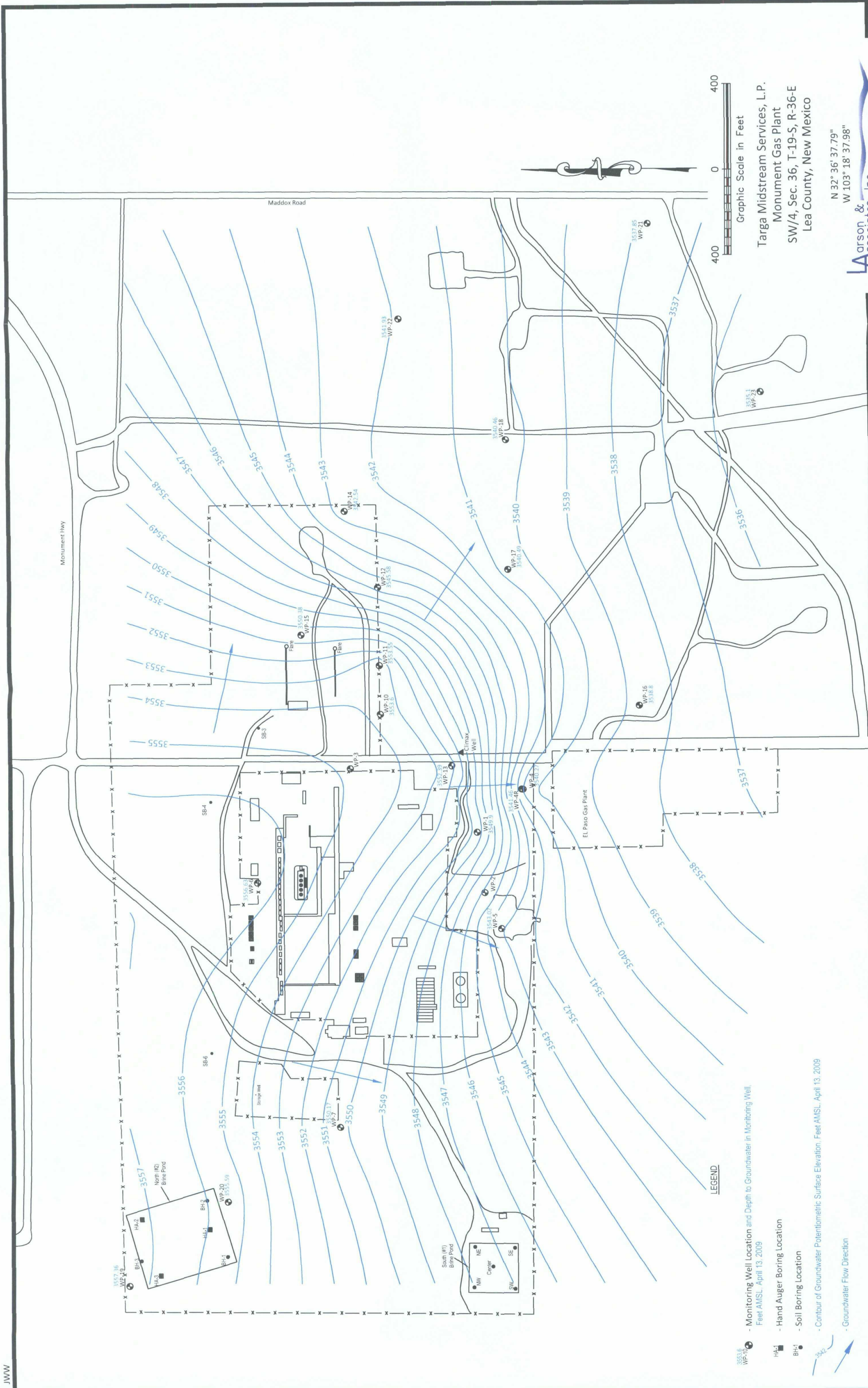


Figure 1 - Topographic Map



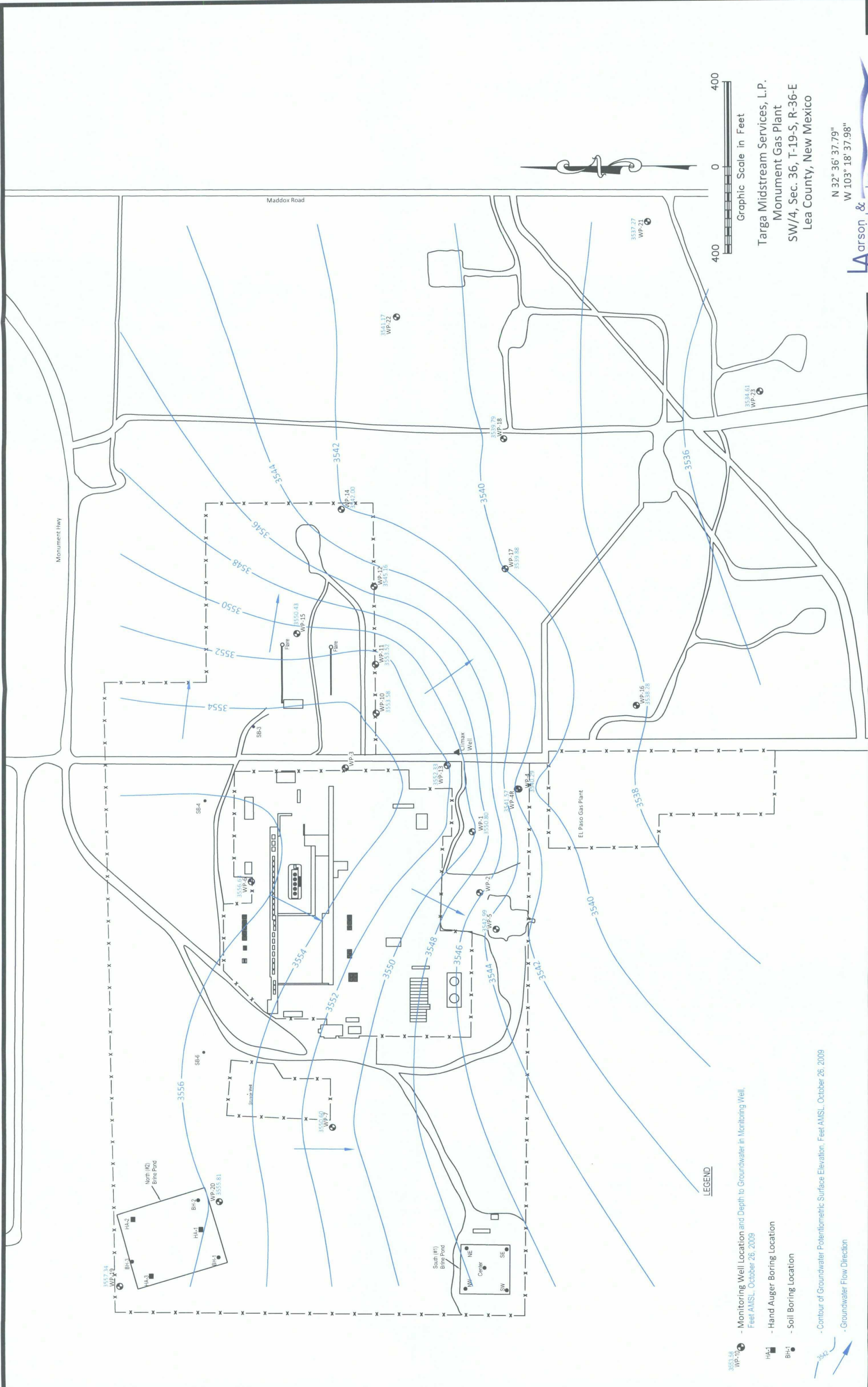
Graphic Scale in Feet
0 400

Targa Midstream Services, L.P.
Monument Gas Plant
SW/4, Sec. 36, T-19-S, R-36-E
Lea County, New Mexico

N 32° 36' 37.79"
W 103° 18' 37.98"

Larson & Associates, Inc.
Environmental Consultants

Figure 3a - Groundwater Potentiometric Map April 13, 2009

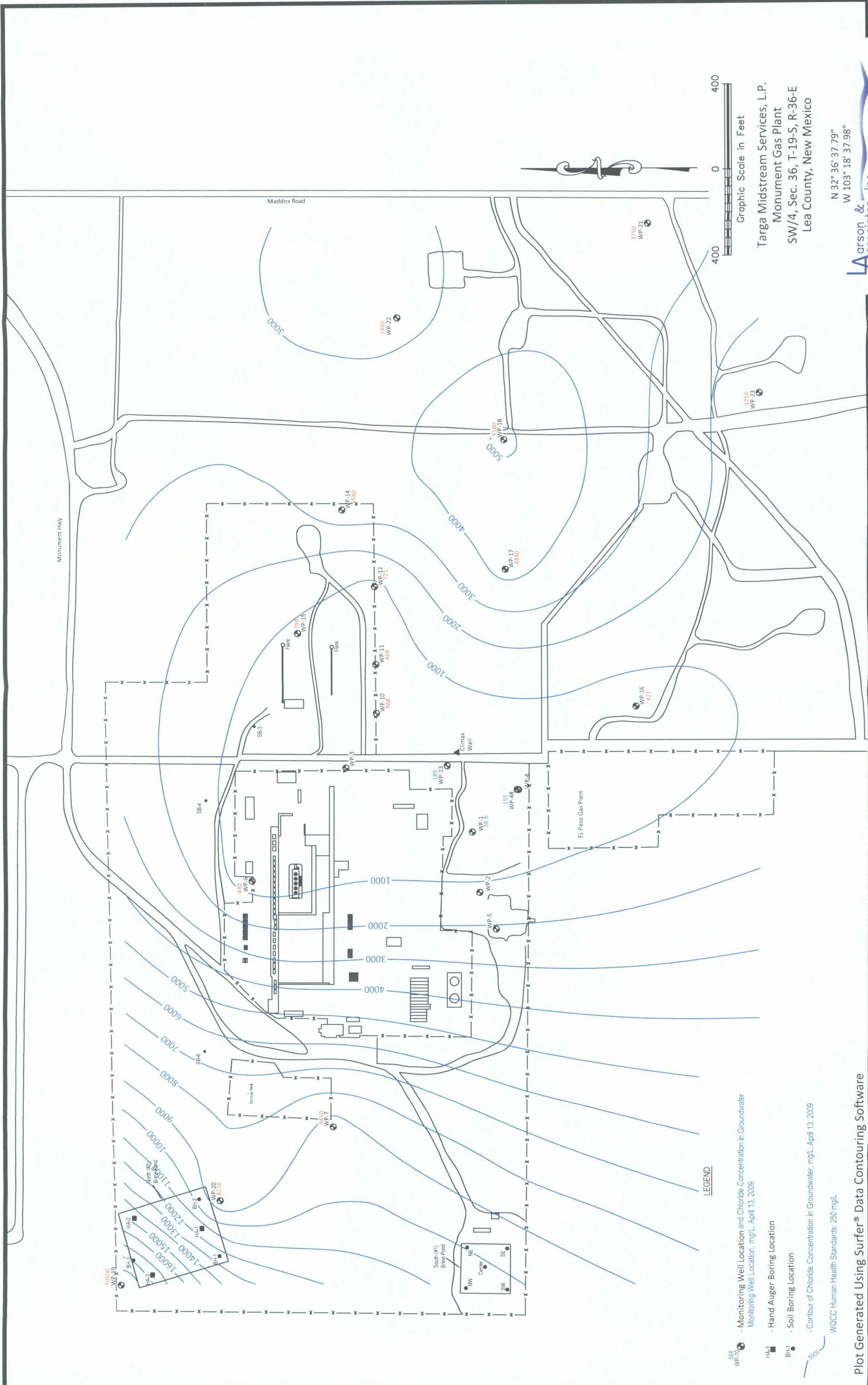


- Monitoring Well Location and Depth to Groundwater in Monitoring Well, Feet AMSL, October 26, 2009
- Hand Auger Boring Location
- Soil Boring Location
- Contour of Groundwater Potentiometric Surface Elevation, Feet AMSL, October 26, 2009
- Groundwater Flow Direction

Targa Midstream Services, L.P.
Monument Gas Plant
SW/4, Sec. 36, T-19-S, R-36-E
Lea County, New Mexico

N 32° 36' 37.79"
W 103° 18' 37.98"

Figure 3b - Groundwater Potentiometric Map October 26, 2009



- WP-10 - Monitoring Well Location and Chloride Concentration in Groundwater
Monitoring Well Location, mg/L, April 13, 2009
- BH-1 - Hand Auger Boring Location
- BH-1 - Soil Boring Location
- Contour of Chloride Concentration in Groundwater, mg/L, April 13, 2009

WQCC Human Health Standards: 250 mg/L

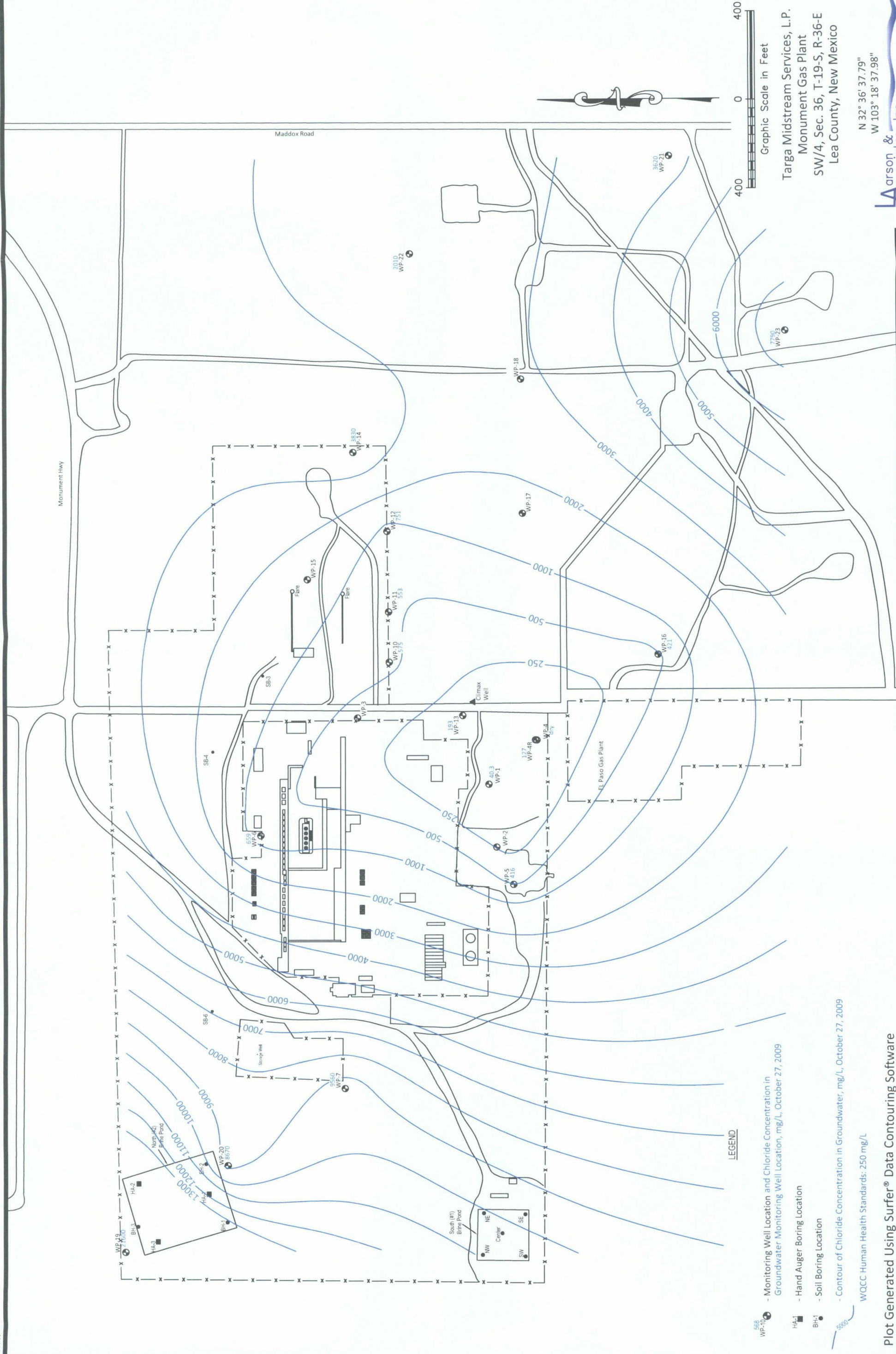
Plot Generated Using Surfer® Data Contouring Software

Figure 4a - Chloride Concentration in Groundwater April 13, 2009

Targa Midstream Services, L.P.
Monument Gas Plant
SW/4, Sec. 36, T-19-S, R-36-E
Lea County, New Mexico

N 32° 36' 37.79"
W 103° 18' 37.98"

Larson &
Associates, Inc.
Environmental Consultants



- Monitoring Well Location and Chloride Concentration in Groundwater Monitoring Well Location, mg/L, October 27, 2009
- Hand Auger Boring Location
- Soil Boring Location
- Contour of Chloride Concentration in Groundwater, mg/L, October 27, 2009

WQCC Human Health Standards: 250 mg/L

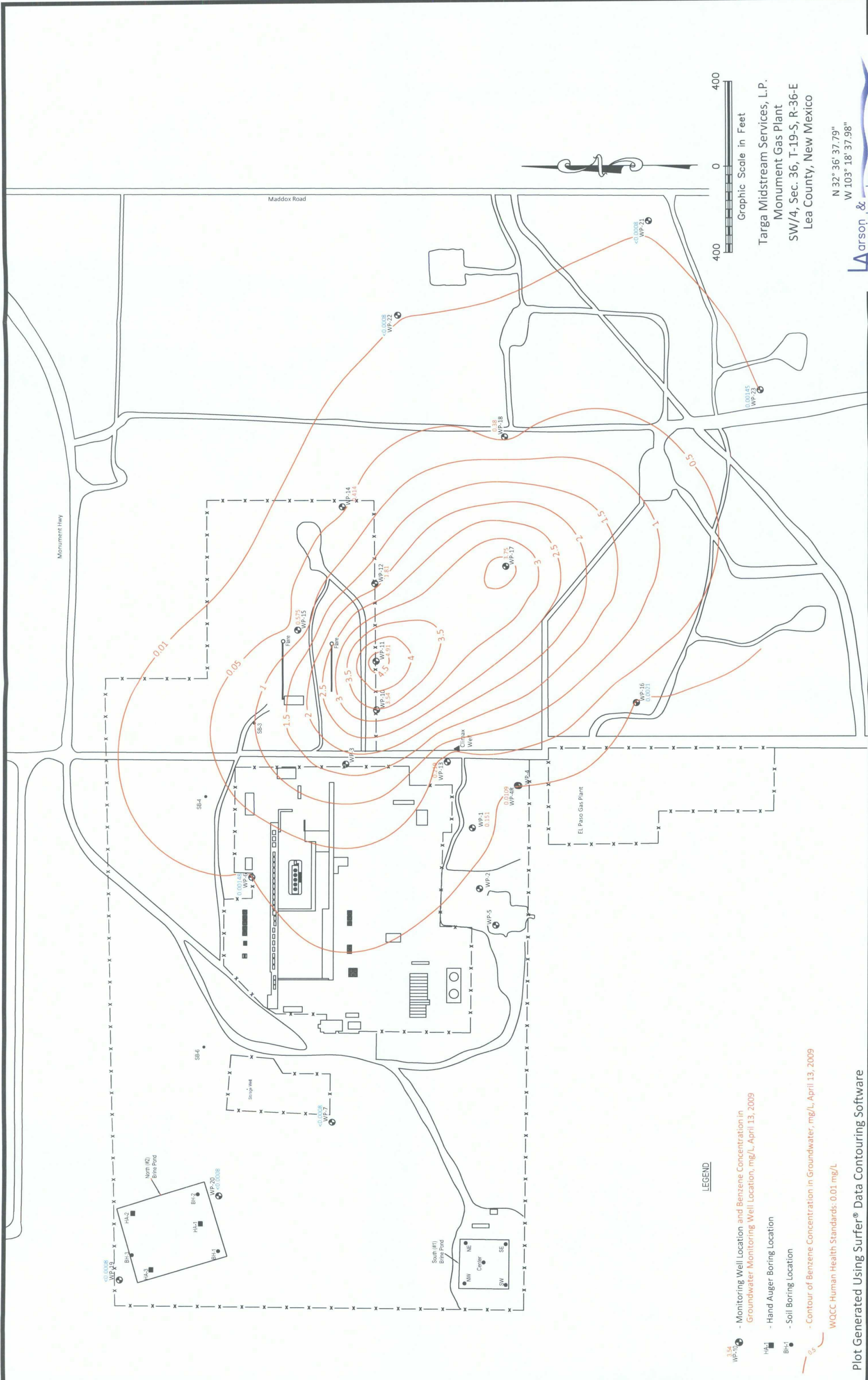
Plot Generated Using Surfer® Data Contouring Software

Figure 4b - Chloride Concentration in Groundwater October 27, 2009

Targa Midstream Services, L.P.
Monument Gas Plant
SW/4, Sec. 36, T-19-S, R-36-E
Lea County, New Mexico

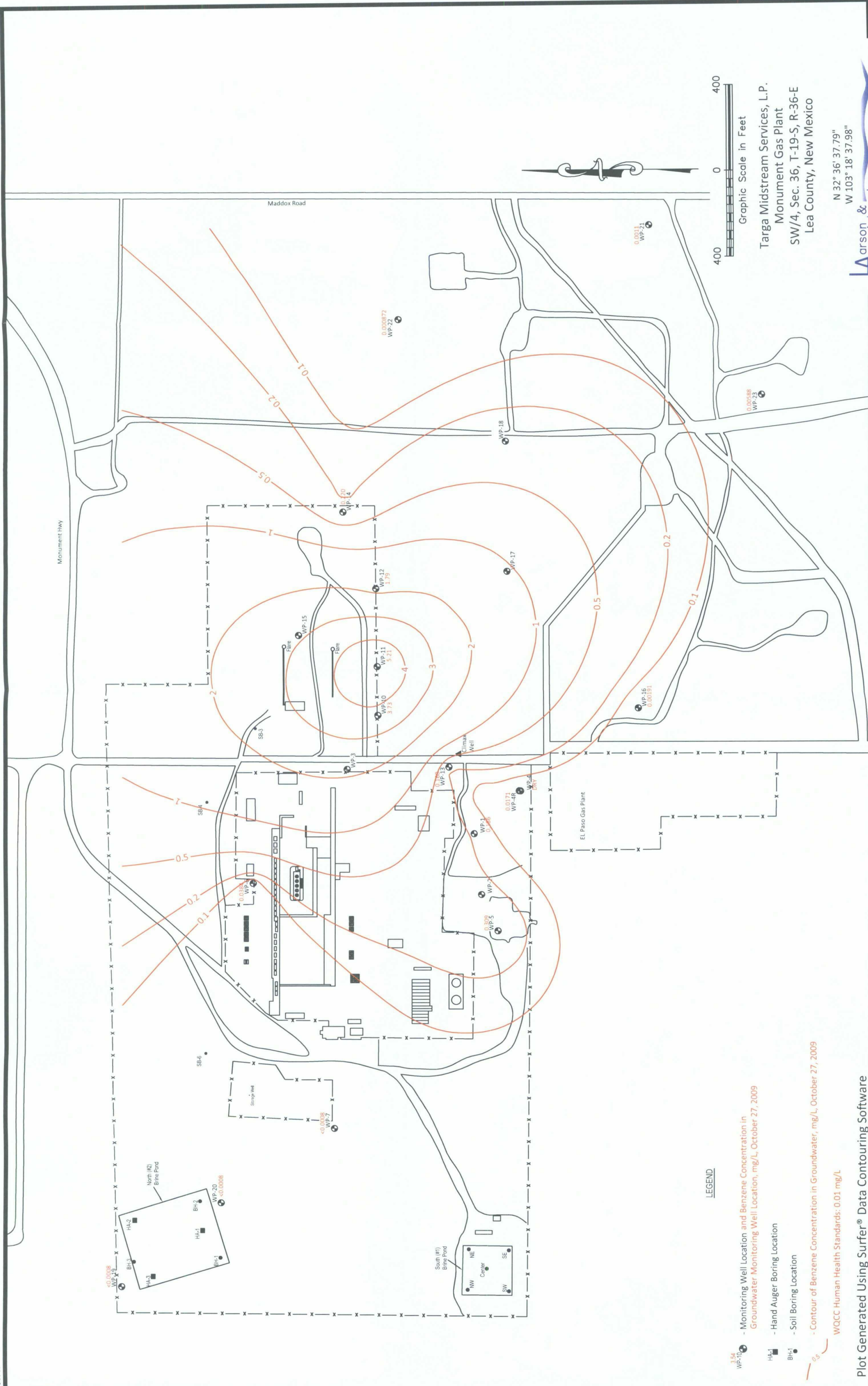
N 32° 36' 37.79"
W 103° 18' 37.98"

Larson &
Associates, Inc.
Environmental Consultants



Plot Generated Using Surfer® Data Contouring Software

Figure 5a - Benzene Distribution in Groundwater April 13, 2009



- Monitoring Well Location and Benzene Concentration in Groundwater Monitoring Well Location, mg/L, October 27, 2009
- Hand Auger Boring Location
- Soil Boring Location
- Contour of Benzene Concentration in Groundwater, mg/L, October 27, 2009
- WQCC Human Health Standards: 0.01 mg/L

LEGEND

Graphic Scale in Feet
0 400

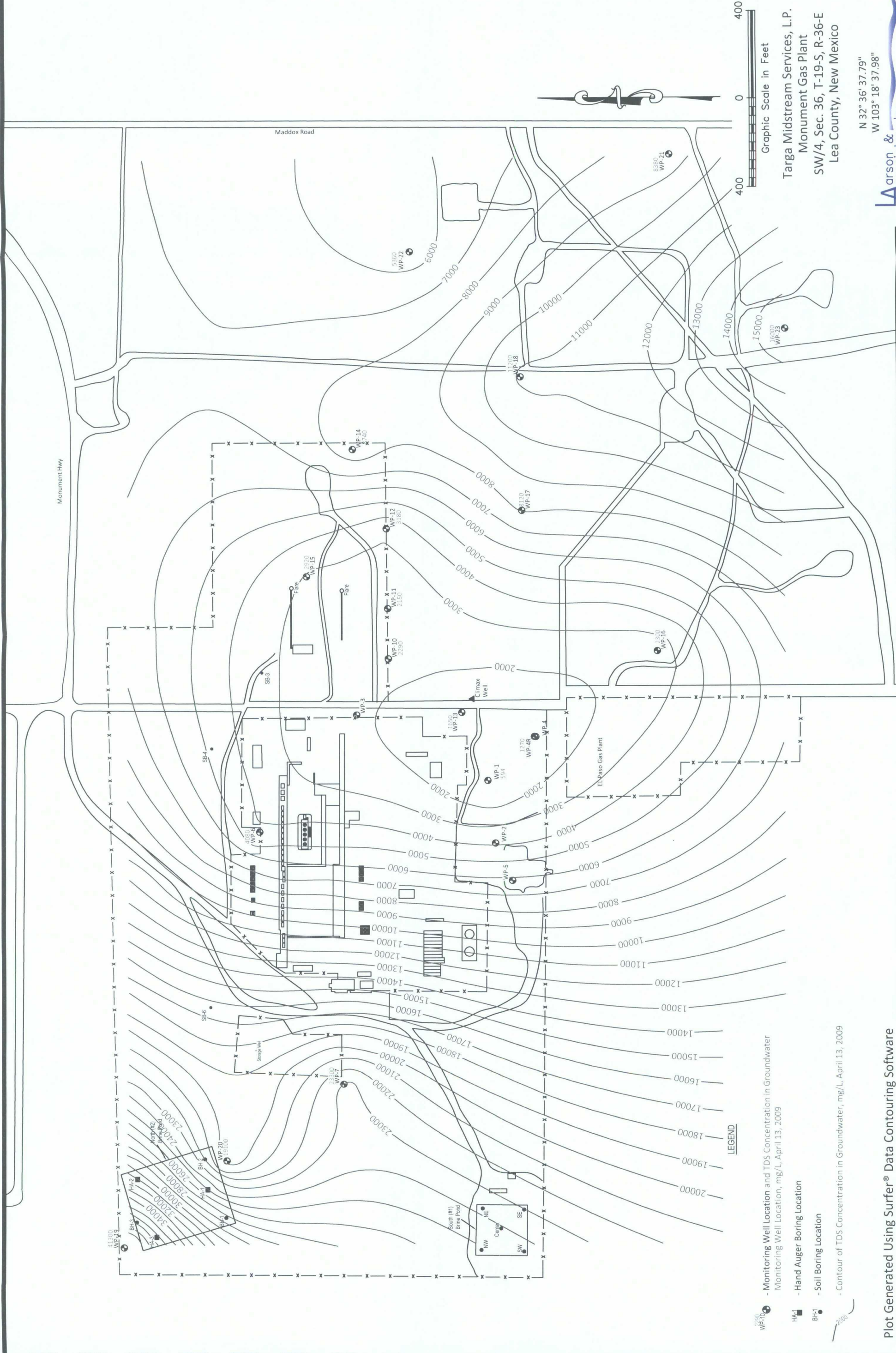
Targa Midstream Services, L.P.
Monument Gas Plant
SW/4, Sec. 36, T-19-S, R-36-E
Lea County, New Mexico

N 32° 36' 37.79"
W 103° 18' 37.98"



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JWW



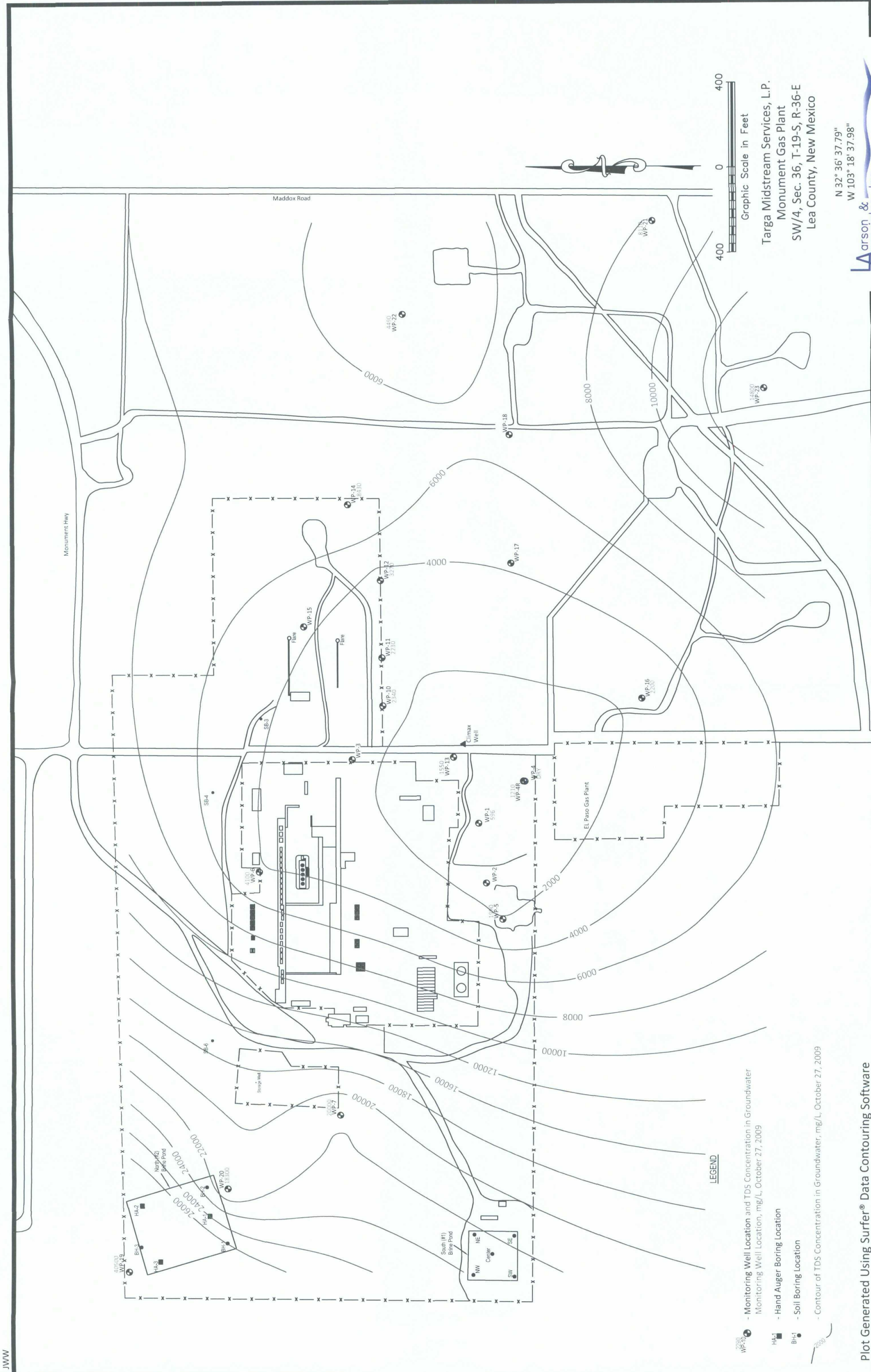
Plot Generated Using Surfer® Data Contouring Software

Figure 6a - TDS Concentration in Groundwater April 13, 2009

Targa Midstream Services, L.P.
Monument Gas Plant
SW/4, Sec. 36, T-19-S, R-36-E
Lea County, New Mexico

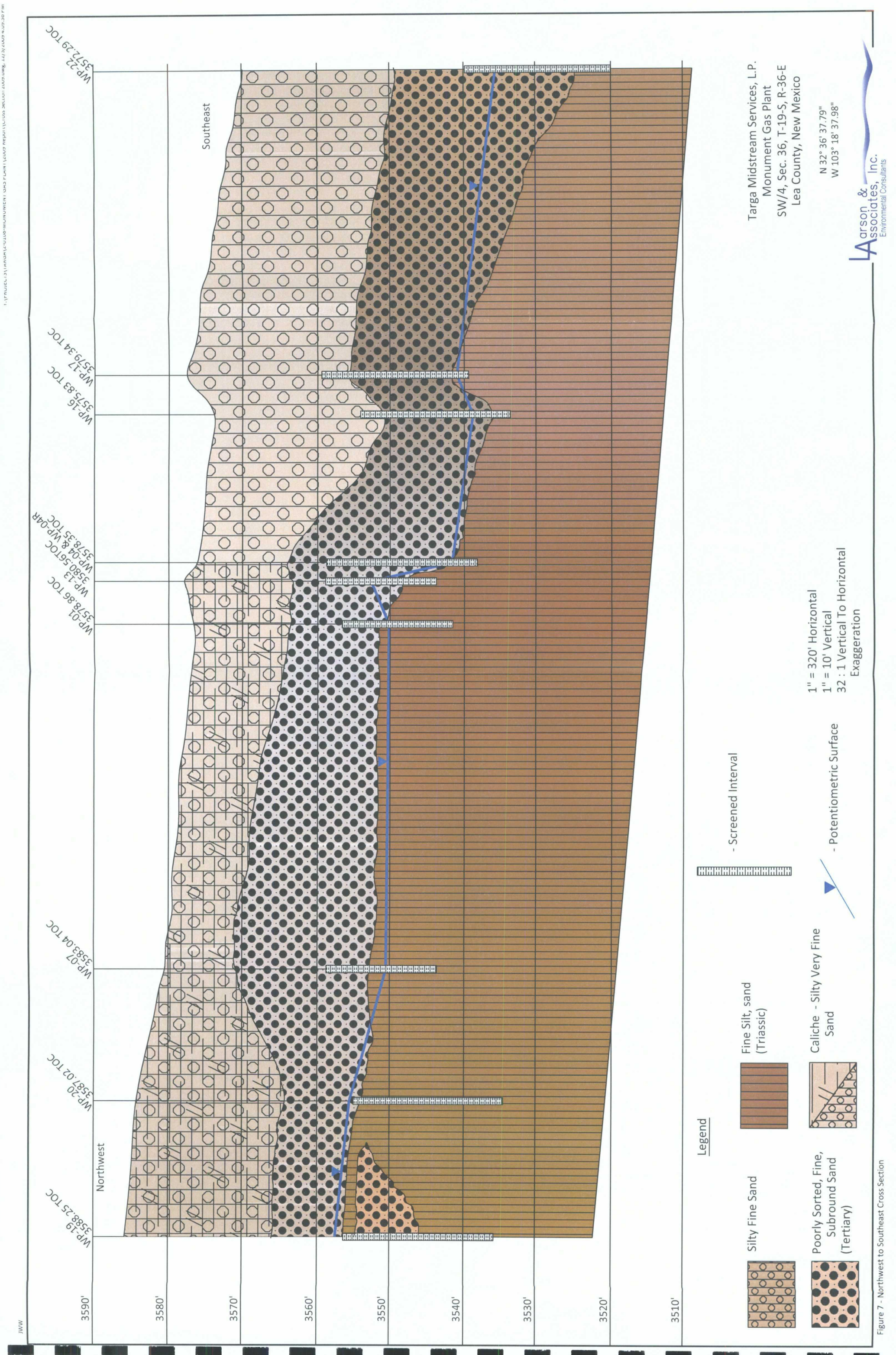
N 32° 36' 37.79"
W 103° 18' 37.98"

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Environmental Consultants



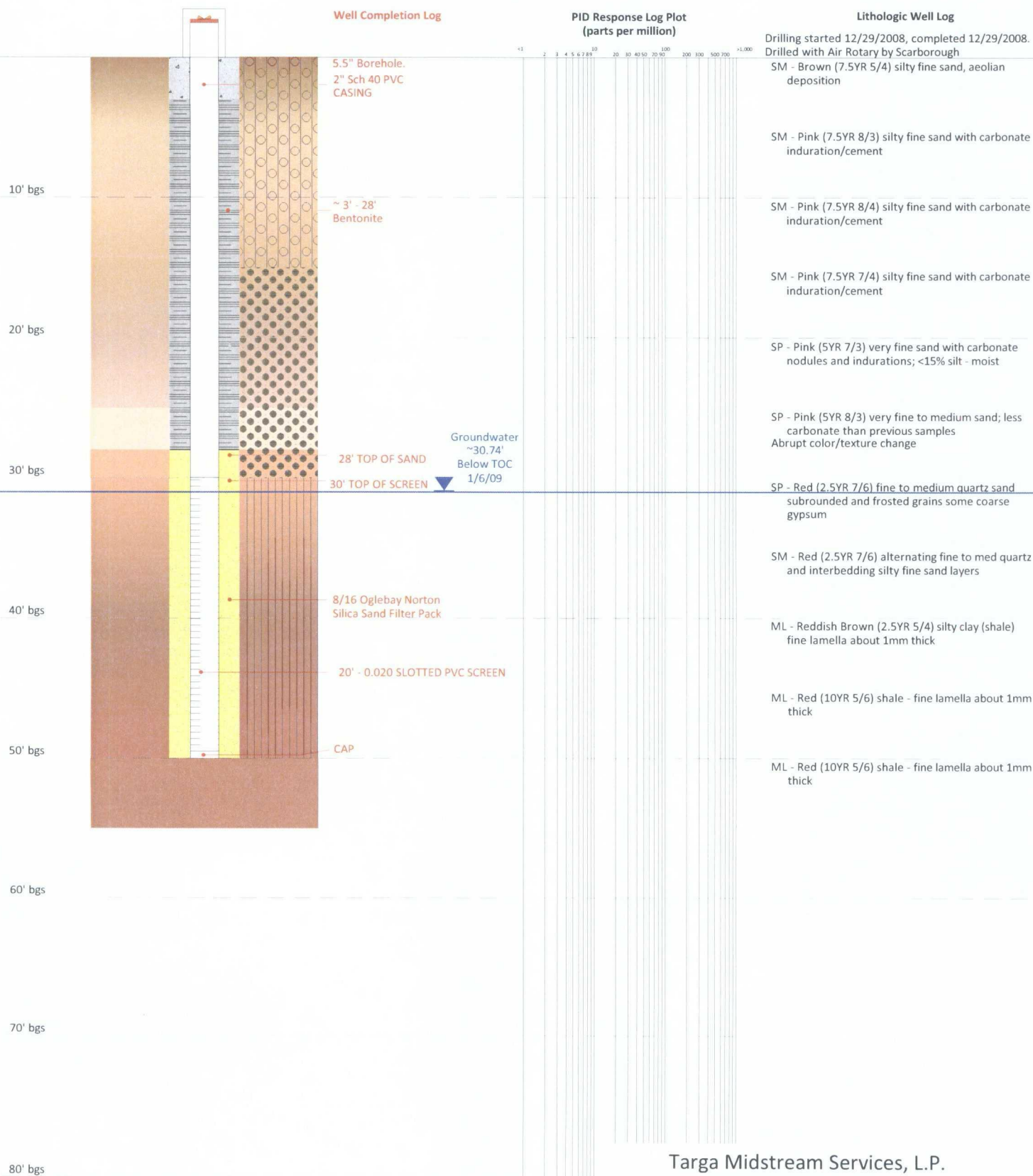
Plot Generated Using Surfer® Data Contouring Software

Figure 6b - TDS Concentration in Groundwater October 27, 2009



Targa Midstream Services, L.P.
Monument Gas Plant
SW/4, Sec. 36, T-19-S, R-36-E
Lea County, New Mexico

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Environmental Consultants



Targa Midstream Services, L.P.
Monument Gas Plant
SW/4, Sec. 36, T-19-S, R-36-E
Lea County, New Mexico

N 32° 36' 37.79"
W 103° 18' 37.98"

Larson & Associates, Inc.
Environmental Consultants

Well Completion Log

PID Response Log Plot
(parts per million)

Lithologic Well Log

Drilling started 12/29/2008, completed 12/29/2008.

Drilled with Air Rotary by Scarborough

SM - Brown (7.5YR 5/3) silty fine sand, aeolian surface sand

SM/CA - Light Gray (7.5YR 7/1) silty very fine sand with carbonate induration

SP - Pink (7.5YR 7/3) very fine sand; <15% silty

SM - Light Greenish Gray (GLEYS 7/10) silty to very fine sand

SP - White (2.5YR 8/1) very fine sand

SP - White (2.5YR 8/1) very fine to fine sand

SW - Light Reddish Brown (2.5YR 7/3) fine to coarse sand round to subangular
Abrupt color change

ML - Red (2.5YR 5/6) silty clay- shale slightly moist

ML - Reddish Brown (2.5YR 4/6) silty clay- shale slightly moist

ML - Red (2.5YR 5/6) silty clay- shale slightly moist

ML - Reddish Brown (2.5YR 4/4) silty clay- shale slightly moist

10' bgs

20' bgs

30' bgs

40' bgs

50' bgs

60' bgs

70' bgs

80' bgs

5.5" Borehole:
2" Sch 40 PVC
CASING~ 3' - 28'
Bentonite

28' TOP OF SAND

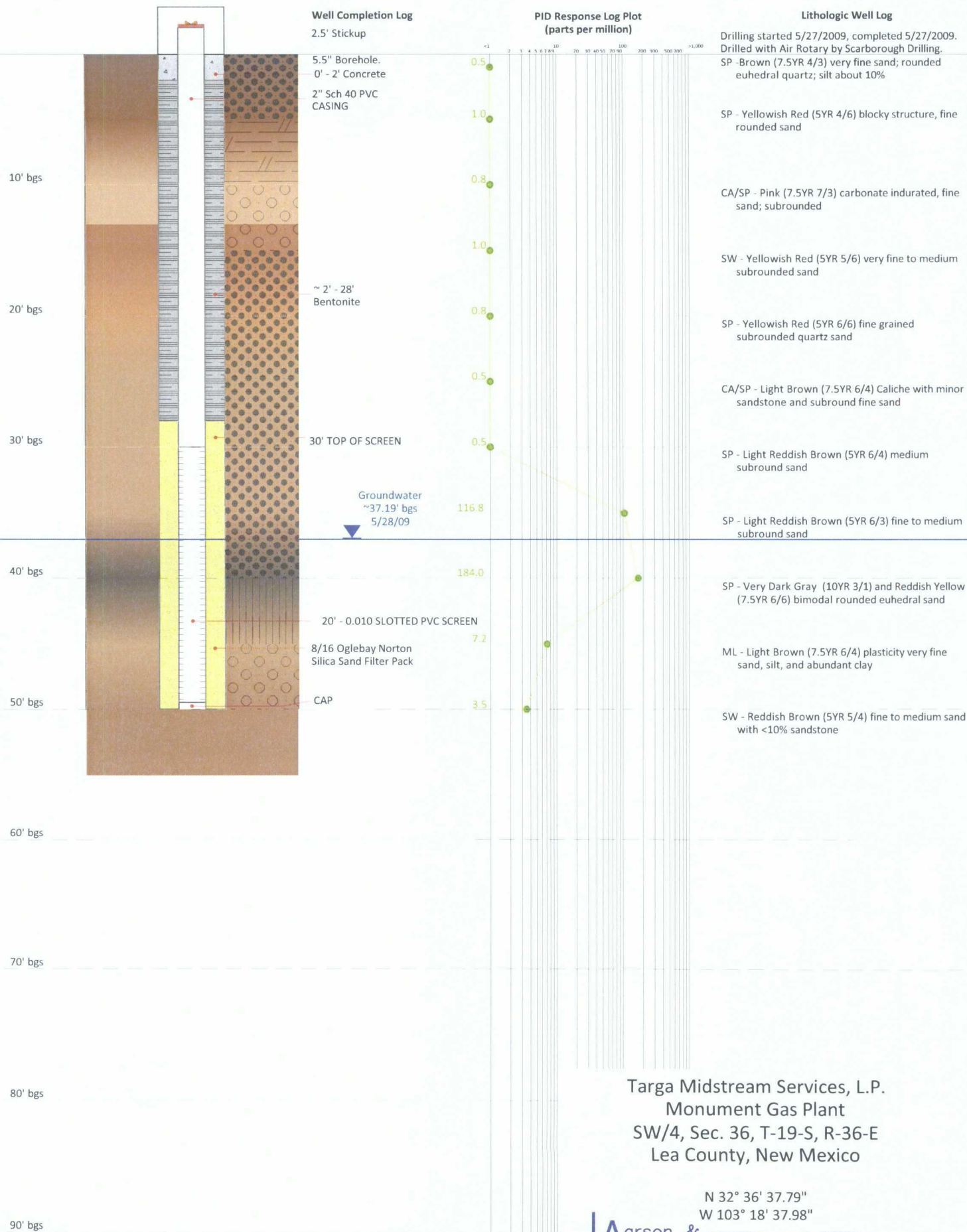
30' TOP OF SCREEN

Groundwater
~31.26'
Below TOC
1/6/098/16 Oglebay Norton
Silica Sand Filter Pack

20' - 0.020 SLOTTED PVC SCREEN

CAP

Targa Midstream Services, L.P.
Monument Gas Plant
SW/4, Sec. 36, T-19-S, R-36-E
Lea County, New MexicoN 32° 36' 37.79"
W 103° 18' 37.98"Larson &
Associates, Inc.
Environmental Consultants





STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

July 6, 1994

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

CERTIFIED MAIL
RETURN RECEIPT NO. P-111-334-138

Mr. Ken Stinson
Warren Petroleum Company
P.O. Box 67
Monument, New Mexico 88265

**RE: GROUND WATER CONTAMINATION
WARREN MONUMENT GAS PLANT
LEA COUNTY, NEW MEXICO**

Dear Mr. Stinson:

The New Mexico Oil Conservation Division (OCD) has recently reviewed the status of the ground water investigation and remedial activities at the Warren Petroleum Company's (WPC) Monument Gas Plant. While the remedial actions taken by WPC to date are satisfactory, the extent of contamination related to WPC's activities at the facility has never been completely defined. The OCD discussed this issue during a meeting with you on June 30, 1994

Based upon the OCD's review, the OCD requests that WPC submit a work plan to complete the definition of the extent ground water contamination related to WPC's activities at the Monument Gas Plant. Please submit the work plan to the OCD Santa Fe Office by September 9, 1994.

If you have any questions, please contact me at (505) 827-5885.

Sincerely,

William C. Olson
Hydrogeologist
Environmental Bureau

xc: Jerry Sexton, OCD Hobbs District Supervisor
Wayne Price, OCD Hobbs Office

August 16, 1991

Jimmie T. Cooper • 397-2045
Box 55
Monument, NM 88265

Dear Sir:

262-1864
Chris Shuey
S.W. Research Information Center
262-1862 office
877-1067 NM

This letter is to inform you of Climax Chemical Company's petition to the New Mexico Environment Department's Hazardous and Radioactive Materials Bureau (HRMB) requesting Alternate Concentration Limits for hazardous constituents present in the groundwater below the Climax Chemical facility west of Monument, New Mexico. Groundwater samples taken from the upper-most aquifer below Climax Chemical Company's Monument, New Mexico plant contain Cadmium, Silver, 1,1,1, Trichloroethylene and Ethylene Dichloride in concentrations above the safe drinking water standards. Climax Chemical has provided evidence that Alternate Concentration Limits should be granted because the contamination does not pose a threat to human health or the environment. The requested limits are above the safe drinking water standard and could pose a danger to human health should individuals drink, eat or inhale significant amounts of contaminated water or soils. The health of individuals who do not intend to use the groundwater or come in contact with it would not be threatened.

Climax Chemical Company's Monument, New Mexico plant is located three miles west of Monument, New Mexico in Lea County. The plant is a producer of hydrochloric acid and sodium sulfate. Immediately adjacent to and downgradient of Climax Chemical is the Warren Petroleum Company (Chevron) refinery. The upper-most aquifer beneath the refinery has been significantly impacted by hydrocarbon contamination. Due to past oil-field brine contamination of this same aquifer the Oil Conservation Division (OCD) of the New Mexico Energy Minerals and Natural Resources Department is only requiring the refinery to recover hydrocarbon product floating on top of the groundwater within the aquifer.

Climax Chemical Company's argument for granting the Alternate Concentration Limits is: "the water downgradient from Climax Chemical has been contaminated beyond usability by the petroleum industry through brine disposal and hydrocarbon leakage. The addition of Heavy Metal and Volatile Organic contamination above the safe drinking water standard as the Climax plume moves through this area will not adversely affect the usability of the aquifer, since it is already unusable without the effect of Climax's constituents."

At this time the HRMB has no evidence that landowners are using groundwater from the contaminated aquifer. Should you now be using or anticipate using groundwater from the upper-most aquifer beneath your property and have questions or comments concerning the petition for granting of Climax Chemical Company's petition request for Alternate Concentration Limits please contact Steve Alexander

at 827-2929 or write: New Mexico Environment Department, Hazardous and Radioactive Materials Bureau, 1190 Saint Francis Drive, P.O. Box 26110, Santa Fe, New Mexico, 87502, Attention: Steve Alexander. Please respond within thirty (30) days following receipt of this notification.

Sincerely,

Steven M. Alexander, Water Resources Specialist
Hazardous and Radioactive Materials Bureau
New Mexico Environment Department