GW - 25

MONITORING REPORTS

DATE: 2006 to Present

Larson & Associates, Inc.
Environmental Consultants

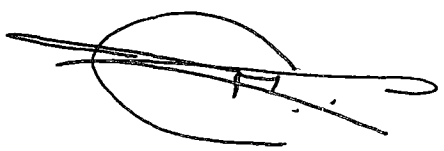
September 29, 2008

VIA: CERTIFIED MAIL

Mr. Wayne Price, Chief
Environmental Bureau
New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

Re: 2007 Groundwater Monitoring Report, Targa Midstream Services, L.P., Monument Gas Plant (GW-025), Lea County, New Mexico

Dear Mr. Price:
The enclosed report is submitted to the New Mexico Oil Conservation Division (OCD) on behalf of Targa Midstream Services, L.P. (Targa) by Larson & Associates, Inc. (LAI), its consultant, and presents the results of groundwater monitoring for the Monument Gas Plant (GW-025) during 2007. Please call Mr. Cal Wrangham at (432) 688-0542 or myself at (432) 687-0901. You may also contact us by e-mail at **cwrangham@targaresources.com** or **mark@laenvironmental.com**.
Sincerely,
Larson & Associates, Inc.



Mark J. Larson, P.G., C.P.G., C.G.W.P.
Sr. Project Manager/President

Encl.

cc: Cal Wrangham/Targa
Todd Young/Targa
Charlie Hayes/Targa
Larry Johnson/OCD - District 1

RECEIVED
2008 OCT 3 PM 1 53

2007
GROUNDWATER
MONITORING REPORT
MONUMENT GAS PLANT (GW-0025)
LEA COUNTY, NEW MEXICO

Prepared for:

Targa Midstream Services, L.P.
P.O. Box 67
Monument, New Mexico 88265
(575) 393-2823

Prepared by:

Larson & Associates, Inc.
507 North Marienfeld Street
Suite 202
Midland, Texas 79701
(432) 687-0901

September 29, 2008

Mark J. Larson, P.G., C.P.G., C.G.W.P.

Table of Contents

List of Tables

Table

List of Figures

Figure

List of Figures

List of Appendices

Targa Midstream Services, L.P.
2007 Annual Groundwater Monitoring Report
Monument Gas Plant (GW-025)
Lea County, New Mexico
September 29, 2008

1.0 INTRODUCTION

Targa Midstream Services, L.P. (Targa), as successor-company to Dynegy Midstream Services, L.P. (Dynegy), has retained Larson & Associates, Inc. (LAI) to conduct groundwater monitoring at the Monument Gas Plant (Facility) located in Lea County, New Mexico. The Facility is 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. The latitude and longitude is north 32° 36' 37.9" and west 103° 18' 44.1", respectively. The Facility operates under New Mexico Oil Conservation Division (OCD) discharge permit GW-025 that requires the Facility to conduct groundwater monitoring on a quarterly (4 times per year) schedule. Figure 1 presents a location and topographic map. Figure 2 presents a Facility drawing.

1.1 Background

On March 5, 1998, the OCD approved a request to modify the groundwater monitoring program for the Facility, including:

- Measure depth-to-groundwater and phase-separated hydrocarbons (PSH) in twelve (12) monitoring wells (WP-1, WP-2, WP-4, WP-5, WP-6, WP-7, WP-10, WP-11, WP-12, WP-13, WP-14 and WP-15) each quarter (4 times per year);

- Collect and analyze groundwater samples from six (6) monitoring wells (WP-1, WP-5, WP-6, WP-7, WP-13 and WP-14) during the second (2^{nd}) quarter (April through June) for benzene, toluene, ethylbenzene, xylenes (BTEX), dissolved metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver), chloride, sulfate and total dissolved solids (TDS);

- Collect and analyze groundwater samples from three (3) monitoring wells (WP-1, WP-5 and WP-14) during the fourth (4^{th}) quarter (October through December) for BTEX, chloride, sulfate and TDS; and

- Prepare an annual report.

2.0 GROUNDWATER MONITORING

2.1 Depth-to-Groundwater and Phase-Separated Hydrocarbon Measurements

Depth-to-groundwater and phase-separated hydrocarbons (PSH) were measured in all monitoring wells, excluding WP-3, WP-8 and WP-9, on February 21, 2007, June 12, 2007, September 20, 2007 and December 5, 2007. Wells WP-3, WP-8 and WP-9 are used for cathodic (corrosion) protection and have no access for gauging depth-to-groundwater and PSH. Well WP-2 was dry during the 3rd (September 20, 2007) and 4th (December 5, 2007) quarterly monitoring events. The depth-to-groundwater and PSH measurements were collected at the top of the PVC well casing using an electronic interface probe. The measurements were recorded in a bound field notebook and the interface probe was thoroughly cleaned between wells using a solution of laboratory-grade detergent and water, and rinsed with distilled water. Table 1 presents a summary of the depth-to-groundwater and PSH measurements.

Referring to Table 1, PSH was observed in wells WP-6 (0.05 feet) on February 21, 2007, and WP-6 (0.31 feet) and WP-17 (0.01 feet) on June 12, 2007. No PSH was observed in the monitoring wells on September 20, 2007 and December 5, 2007. No significant change was noted in distribution and thickness of PSH compared to the previous monitoring period. No PSH recovery was performed during the current reporting period, but PSH will be monitored and recovery will resume based on observed thickness.

Depth-to-groundwater increased in most wells during the current reporting period and represents lowering of the water table. The depth-to-groundwater increased between about 0.49 feet (WP-2) and 2.18 feet (WP-14) and is likely due to a lack of recharge from precipitation. The groundwater flow direction and gradient remained consistent from northwest to southeast at approximately 0.006 feet per foot. Figure 3 through Figure 6 present groundwater potentiometric maps for February 21, 2007, June 12, 2007, September 20, 2007, and December 5, 2007, respectively.

2.2 Groundwater Samples

Groundwater samples were collected from the monitoring wells during the second (2^{nd}) quarter on June 12 and 13, 2007 and fourth (4^{th}) quarter on December 5 and 6, 2007. The samples were analyzed for BTEX, dissolved metals, anions, cations and TDS after the wells were purged of approximately three (3) casing-volumes of groundwater or until dry using dedicated disposable polyethylene bailers. The purged water was contained in a portable tank and discharged into the Facility's waste water system for disposal in an OCD permitted disposal well. The groundwater samples were carefully poured from the dedicated bailers into laboratory containers that were preserved, labeled, chilled in an ice chest and hand delivered under chain-of-custody control to DHL Analytical, Inc. (DHL) located in Round Rock, Texas. The metals samples were filtered by the laboratory upon arrival. General chemistry samples (anions, cations and TDS) were not collected from wells WP-17 (December 13, 2007) and WP-18 (June 13, 2007) due inadequate water volume. Table 2 presents a summary of the BTEX analysis. Table 3 presents a summary of the dissolved metals analysis. Table 4 presents a summary of the general chemistry analysis. Appendix A presents the laboratory reports.

2.2.1 Organics Analysis

On June 12 and 13, 2007, benzene exceeded the New Mexico Water Quality Control Commission (WQCC) human health standard of 0.01 milligrams per liter (mg/L) in samples from wells WP-1 (0.75 mg/L), WP-4 (0.824 mg/L), WP-4R (0.0108 mg/L), WP-5 (2.74 mg/L), WP-10 (4.07 mg/L), WP-11 (5.51 mg/L), WP-12 (0.956 mg/L), WP-13 (0.451 mg/L), WP-14 (0.601 mg/L), WP-15 (0.941 mg/L), WP-17 (5.38 mg/L) and WP-18 (0.503 mg/L). On December 5 and 6, 2008, benzene exceeded the WQCC human health standard in samples from wells WP-1 (0.881 mg/L), WP-4 (0.439 mg/L), WP-4R (0.0232 mg/L), WP-5 (3.52 mg/L), WP-10 (4.98 mg/L), WP-11 (6.47 mg/L), WP-12 (1.09 mg/L), WP-13 (0.614 mg/L), WP-14 (0.227 mg/L) and WP-15 (0.866 mg/L). Benzene was above the WQCC human health standard in samples from downgradient wells WP-5, WP-17 and WP-18 on June 12 and 13, 2007 and December 5 and 6, 2007. Ethylbenzene exceeded the WQCC human health standard (0.75 mg/L) in samples from wells WP-11 on June 13, 2007 (0.877 mg/L)

and December 5, 2007 (0.599 mg/L), and well WP-17 on June 13, 2007 (1.73 mg/L). On June 12 and 13, 2007, xylenes exceeded the WQCC human health standard of 0.62 mg/L in samples from wells WP-1 (0.741 mg/L) and WP-17 (0.752 mg/L). Table 2 presents a summary of the organic laboratory analysis. Figure 7 and Figure 8 present isopleth maps of benzene concentrations in groundwater samples collected on June 12 and 13, 2007 and December 5 and 6, 2007, respectively.

2.2.2 Dissolved Metals Analysis

Barium exceeded the WQCC human health standard (1.0 mg/L) in samples from wells WP-1 (3.61 mg/L), WP-4 (3.75 mg/L), WP-10 (1.82 mg/L), WP-11 (2.16 mg/L), WP-12 (1.03 mg/L), WP-17 (80.1 mg/L) and WP-18 (1.46 mg/L) on June 12, 2007. Barium also exceeded the WQCC human health standard in samples from wells WP-1 (4.07 mg/L), WP-4 (3.56 mg/L), WP-4R (1.3 mg/L), WP-10 (1.74 mg/L), WP-11 (2.16 mg/L) and WP-12 (1.18 mg/L) December 5 and 6, 2007. None of the remaining dissolved metal constituents (arsenic, cadmium, chromium, lead, mercury, selenium and silver) was reported in the groundwater samples above the method detection limit or regulatory threshold. Table 3 presents a summary of the dissolved metals analysis.

2.2.3 General Chemistry Analysis

Chloride exceeded the WQCC domestic water quality standard (250 mg/L) in groundwater samples from all wells, except WP-1 (20.9 and 26.2 mg/L), WP-4 (161 and 126 mg/L), WP-4R (244 and 196 mg/L) and WP-13 (168 and 165 mg/L) on June 12 and 13, 2007 and December 5 and 6, 2007. Chloride was highest west of the Facility in samples from well WP-7 (14,100 and 12, 400 mg/L) and east of the Facility in samples from wells WP-14 (4560 and 3,500 mg/L), WP-17 (4,750 mg/L) and WP-18 (7,510 mg/L). Figure 9 and Figure 10 present isopleths maps showing chloride concentrations in groundwater samples collected on June 12 and 13, 2007 and December 5 and 6, 2007, respectively.

TDS exceeded the WQCC domestic water quality standard (1,000 mg/L) in groundwater

samples from all wells, except WP-1 (620 and 722 mg/L) on June 12 and 13, 2007 and December 5 and 6, 2007. TDS was highest west of the Facility in samples from well WP-7 (29,400 and 27,800 mg/L) and east of the Facility in samples from wells WP-14 (9,180 and 8,700 mg/L), WP-17 (8,280 mg/L) and WP-18 (13,200 mg/L). A former chemical plant (Climax Chemical) that manufactured hydrochloric acid was located northwest (upgradient) of the Facility is the probable source for the elevated chloride and TDS. Figure 11 and Figure 12 present isopleths maps showing TDS concentrations in groundwater samples collected on June 12 and 13, 2007 and December 5 and 6, 2007, respectively.

Sulfate was reported above the WQCC domestic water quality standard (600 mg/L) in samples from wells WP-6 (2,000 and 2,290 mg/L), WP-7 (5,510 mg/L and 4,980 mg/L) and WP-14 (1,430 and 925 mg/L) on June 12 and 13, 2007 and December 5 and 6, 2007. Table 4 presents a summary of the general chemistry analysis.

3.0 CONLUSIONS

1. PSH was observed in wells WP-6 (0.05 feet) on February 21, 2007 and WP-6 (0.31 feet) and WP-17 (0.01 feet) on June 12, 2007. No PSH was observed in the monitoring wells on September 20, 2007 and December 5, 2007;
2. No PSH was recovered during the current reporting period;
3. Depth-to-groundwater increased in most and ranged from about 0.49 feet (WP-2) to 2.18 feet (WP-14). The increase in depth-to-groundwater represents lowering of the water table and is likely due to a decrease in aquifer recharge from precipitation;
4. The groundwater flow direction and gradient was from northwest to southeast at a gradient of approximately 0.006 feet per foot and remained consistent with the previous reporting period;
5. Benzene exceeded the WQCC human health standard of 0.01 mg/L in samples from wells WP-1 (0.75 mg/L), WP-4 (0.824 mg/L), WP-4R (0.0108 mg/L), WP-5 (2.74 mg/L), WP-10 (4.07 mg/L), WP-11 (5.51 mg/L), WP-12 (0.956 mg/L), WP-13 (0.451 mg/L), WP-14 (0.601

mg/L), WP-15 (0.941 mg/L), WP-17 (5.38 mg/L) and WP-18 (0.503 mg/L) on June 12 and 13, 2007;

6. On December 5 and 6, 2008, benzene exceeded the WQCC human health standard in samples from wells WP-1 (0.881 mg/L), WP-4 (0.439 mg/L), WP-4R (0.0232 mg/L), WP-5 (3.52 mg/L), WP-10 (4.98 mg/L), WP-11 (6.47 mg/L), WP-12 (1.09 mg/L), WP-13 (0.614 mg/L), WP-14 (0.227 mg/L) and WP-15 (0.866 mg/L);
7. Benzene was above the WQCC human health standard in samples from down gradient wells WP-5, WP-17 and WP-18 on June 12 and 13, 2007 and December 5 and 6, 2007;
8. Ethylbenzene exceeded the WQCC human health standard (0.75 mg/L) in samples from wells WP-11 on June 13, 2007 (0.877 mg/L) and December 5, 2007 (0.599 mg/L), and well WP-17 on June 13, 2007 (1.73 mg/L);
9. Xylenes exceeded the WQCC human health standard of 0.62 mg/L in samples from wells WP-1 (0.741 mg/L) and WP-17 (0.752 mg/L) on June 12 and 13, 2007;
10. Barium exceeded the WQCC human health standard (1.0 mg/L) in samples from wells WP-1 (3.61 mg/L), WP-4 (3.75 mg/L), WP-10 (1.82 mg/L), WP-11 (2.16 mg/L), WP-12 (1.03 mg/L), WP-17 (80.1 mg/L) and WP-18 (1.46 mg/L) on June 12, 2007. Barium also exceeded the WQCC human health standard in samples from wells WP-1 (4.07 mg/L), WP-4 (3.56 mg/L), WP-4R (1.3 mg/L), WP-10 (1.74 mg/L), WP-11 (2.16 mg/L) and WP-12 (1.18 mg/L) December 5 and 6, 2007. These results are consistent with the previous reporting period;
11. None of the remaining dissolved metal constituents (arsenic, cadmium, chromium, lead, mercury, selenium and silver) was reported in the groundwater samples above the method detection limit or regulatory threshold. Previously on June 14, 2005, dissolved chromium was reported above the WQCC human health standard in samples from wells WP-5 (0.0816 mg/L) and WP-7 (0.2 mg/L);
12. Chloride exceeded the WQCC domestic water quality standard (250 mg/L) in groundwater samples from all wells, except WP-1 (20.9 and 26.2 mg/L), WP-4 (161 and 126 mg/L), WP-4R (244 and 196 mg/L) and WP-13 (168 and 165 mg/L) on June 12 and 13, 2007 and 13, 2007;

13. Chloride was highest west of the Facility in samples from well WP-7 (14,100 and 12, 400 mg/L) and east of the Facility in samples from wells WP-14 (4560 and 3,500 mg/L), WP-17 (4,750 mg/L) and WP-18 (7,510 mg/L);
14. TDS exceeded the WQCC domestic water quality standard (1,000 mg/L) in groundwater samples from all wells, except WP-1 (620 and 722 mg/L) on June 12 and 13, 2007 and December 5 and 6, 2007;
15. TDS was highest west of the Facility in samples from well WP-7 (29,400 and 27,800 mg/L) and east of the Facility in samples from wells WP-14 (9,180 and 8,700 mg/L), WP-17 (8,280 mg/L) and WP-18 (13,200 mg/L);
16. A former chemical plant (Climax Chemical) that manufactured hydrochloric acid was located northwest (upgradient) of the Facility is the probable source for the elevated chloride and TDS;

4.0 RECOMMENDATIONS

Targa will continue quarterly groundwater monitoring in accordance with the current sampling schedule, including wells WP-16, WP-17 and WP-18. Targa will continue to recover PSH removal when detected at a recoverable thickness in the monitoring wells. Targa will assess the extent of the dissolved benzene in groundwater south and east of the Facility and will initiate a program to remediate the dissolved benzene south and east of the Facility.

TABLES

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)	TOC Elevation	Date Gauged	Well Depth from TOC	Depth to Fluid	Depth to Water	Corrected Water Elevation
WP-1	4	3,578.01	12/12/2006		--	24.98	3,553.03
			2/21/2007		--	26.91	3,551.10
			6/12/2007	34.92	--	24.13	3,553.88
			9/20/2007		--	22.77	3,555.24
			12/5/2007		--	26.11	3,551.90
WP-2	4	3,577.77	12/12/2006		--	31.25	3,546.52
			2/21/2007		--	31.65	3,546.12
			6/12/2007	31.75	--	31.74	3,546.03
			9/20/2007		--	DRY	--
			12/5/2007		--	DRY	--
WP-4	4	3,577.15	9/12/2006		--	34.04	3,543.11
			2/21/2007		--	34.32	3,542.83
			6/12/2007	37.40	--	35.03	3,542.12
			9/20/2007		--	35.13	3,542.02
			12/5/2007		--	35.14	3,542.01
WP-4R	4	3,578.35	12/12/2006		--	33.69	3,544.66
			2/21/2007		--	34.45	3,543.90
			6/12/2007	40.85	--	35.16	3,543.19
			9/20/2007		--	35.29	3,543.06
			12/5/2007		--	35.25	3,543.10
WP-5	4	3,579.50	12/12/2006		--	32.40	3,547.10
			2/21/2007		--	33.20	3,546.30
			6/12/2007	38.02	--	33.82	3,545.68
			9/20/2007		--	34.28	3,545.22
			12/5/2007		--	34.43	3,545.07
WP-6	4	3,585.36	12/12/2006		--	28.71	3,556.65
			2/21/2007		28.75	28.70	3,556.63
			6/12/2007	30.53	28.73	29.04	3,556.54
			9/20/2007		--	28.71	3,556.65
			12/5/2007		--	28.74	3,556.62
WP-7	4	3,583.04	12/12/2006			31.21	3,551.83
			2/21/2007		--	31.72	3,551.32
			6/12/2007	37.63	--	32.09	3,550.95
			9/20/2007		--	32.09	3,550.95
			12/5/2007		--	32.18	3,550.86
WP-10	4	3,580.08	12/12/2006		--	24.75	3,555.33
			2/21/2007		--	25.59	3,554.49
			6/12/2007	37.13	--	32.09	3,547.99
			9/20/2007		--	25.38	3,554.70
			12/5/2007		--	25.49	3,554.59
WP-11	4	3,581.23	12/12/2006		--	25.93	3,555.30
			2/21/2007		--	26.76	3,554.47
			6/12/2007	36.41	--	27.12	3,554.11
			9/20/2007		--	26.61	3,554.62
			12/5/2007		--	26.78	3,554.45

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)	TOC Elevation	Date Gauged	Well Depth from TOC	Depth to Fluid	Depth to Water	Corrected Water Elevation
WP-12	4	3,581.89	12/12/2006		--	34.11	3,547.78
			2/21/2007		--	34.18	3,547.71
			6/12/2007	43.27	--	34.56	3,547.33
			9/20/2007		--	34.73	3,547.16
			12/5/2007		--	34.89	3,547.00
WP-13	4	3,580.56	12/12/2006		--	26.12	3,554.44
			2/21/2007		--	27.24	3,553.32
			6/12/2007	36.54	--	27.38	3,553.18
			9/20/2007		--	26.82	3,553.74
			12/5/2007		--	27.00	3,553.56
WP-14	4	3,581.81	12/12/2006		--	35.70	3,546.11
			2/21/2007		--	35.72	3,546.09
			6/12/2007	48.35	--	35.84	3,545.97
			9/20/2007		--	37.30	3,544.51
			12/5/2007		--	37.88	3,543.93
WP-15	2	3,582.27	12/12/2006		--	31.21	3,551.06
			2/21/2007		--	31.44	3,550.83
			6/12/2007	35.07	--	31.73	3,550.54
			9/20/2007		--	31.47	3,550.80
			12/5/2007		--	31.40	3,550.87
WP-16	2	3,575.83	12/12/2006		--	34.64	3,541.19
			2/21/2007		--	35.95	3,539.88
			6/12/2007	40.50	--	35.38	3,540.45
			9/20/2007		--	35.55	3,540.28
			12/5/2007		--	35.61	3,540.22
WP-17	2	3,579.34	12/12/2006		sheen	36.85	3,542.49
			2/21/2007		36.78	36.79	3,542.56
			6/12/2007	40.13	37.01	37.05	3,542.32
			9/20/2007		--	37.55	3,541.79
			12/5/2007		--	37.85	3,541.49
WP-18	2	3,579.24	12/12/2006		sheen	36.49	3,542.75
			2/21/2007		sheen	36.23	3,543.01
			6/12/2007	44.57	--	36.27	3,542.97
			9/20/2007		--	36.83	3,542.41
			12/5/2007		37.32	37.36	3,541.91

Notes
All values are in feet, unless otherwise noted.
bgs - below ground surface
TOC - top of casing
Elevations are above mean sea level *(3554.18)* referenced to 1984 Geodetic Datum.
Wells drilled and installed by Scarbrough Drilling, Inc., Lamesa, Texas. Schedule 40 threaded PVC casing and screen set.

Table 2
Summary of BTEX Concentrations in Ground Water Samples from Monitoring Wells
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitoring Well	Quarter/Year	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			**0.01**	**0.75**	**0.75**	**0.62**
WP-1	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
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
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
WP-5	4th/2006	12/13/2006	0.128	<0.005	<0.005	<0.01
	2nd / 2007	6/12/2007	2.74	<0.100	<0.100	<0.150
	4th / 2007	12/6/2007	3.52	<0.01	<0.01	<0.0150
WP-6	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
WP-7	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
WP-10	2nd / 2007	6/12/2007	4.07	<0.100	0.201	<0.150
	4th / 2007	12/5/2007	4.98	<0.002	0.251	<0.003
WP-11	2nd / 2007	6/12/2007	5.51	<0.100	0.877	<0.150
	4th / 2007	12/5/2007	6.47	0.00259	0.599	<0.003
WP-12	2nd / 2007	6/12/2007	0.956	0.149	0.558	<0.150
	4th / 2007	12/5/2007	1.09	<0.02	0.155	<0.03
WP-13	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
WP-14	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
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

Table 2
Summary of BTEX Concentrations in Ground Water Samples from Monitoring Wells
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitoring Well	Quarter/Year	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard			**0.01**	**0.75**	**0.75**	**0.62**
WP-16	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
WP-17	4th/2006	12/13/2006	5.38	<0.100	0.438	<0.200
	2nd / 2007	6/13/2007	5.38	0.118	1.73	0.752
WP-18	4th/2006	12/12/2006	0.428	<0.100	0.0735	0.049
	2nd / 2007	6/13/2007	0.503	<0.020	0.216	0.140
Duplicates						
WP-14	4th/2006	12/13/2006	0.2	0.00301	0.00371	0.00758
WP-16	2nd / 2007	6/12/2007	<0.004	<0.010	<0.010	<0.015
WP-15	4th / 2007	12/5/2007	0.00162	<0.002	<0.002	<0.003

Notes: Analysis performed by Environmental Lab of Texas, Inc., Odessa, Texas
Results reported after December 2006 were performed by DHL Analytical, Inc., Round Rock, TX
Results reported in milligrams/Liter (mg/L)

1. <: Less than method detection limit
2. N/S: Product in well - no sample collected

Table 3
Summary of Dissolved Metals in Ground Water Samples from Monitoring Wells
Targa Midstream Swervices, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitoring Well	Quarter/Year	Sample 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	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 / 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
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	1.300	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-5	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
WP-6	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
WP-7	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
WP-10	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
WP-11	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
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
WP-13	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	<0.00008	<0.002	<0.001
WP-14	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
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

Table 3
Summary of Dissolved Metals in Ground Water Samples from Monitoring Wells
Targa Midstream Swervices, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitoring Well	Quarter/Year	Sample 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-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
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
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
Duplicates										
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

Notes: Analysis performed by Environmental Lab of Texas, Inc., Odessa, Texas
Results reported after December 2006 were performed by DHL Analytical, Inc., Round Rock, TX
Results reported in milligrams/Liter (mg/L)

1. <: Less than method detection limit
2. N/S: Product in well - no sample collected

Table 4

Summary of Dissolved Metals, Chloride, Sulfate and TDS Concentrations in Ground Water Samples from Monitoring Wells

Targa Midstream Services, L.P., Monument Gas Plant (GW-025)

Lea County, New Mexico

Monitoring Well	Quarter/Year	Sample Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard							**250**	**600**		**1000**
WP-1	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
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
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
WP-5	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
WP-6	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	1840	2,290	1,140	7,140
WP-7	2nd / 2006	07/11/2006	--	--	--	--	10,400	4,340	--	12,100
	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
WP-10	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
WP-11	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
WP-12	2nd / 2007	6/12/2007	47.8	31.5	4.18	1,160	1,170	<10	1,530	3,320
	4th / 2007	12/5/007	38.8	26.7	3.25	1,150	1,070	<1	1,530	3,300
WP-13	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	98.7	61.7	4.90	375	165	144	1030	1,580
WP-14	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

Table 4

Summary of Dissolved Metals, Chloride, Sulfate and TDS Concentrations in Ground Water Samples from Monitoring Wells

Targa Midstream Services, L.P., Monument Gas Plant (GW-025)

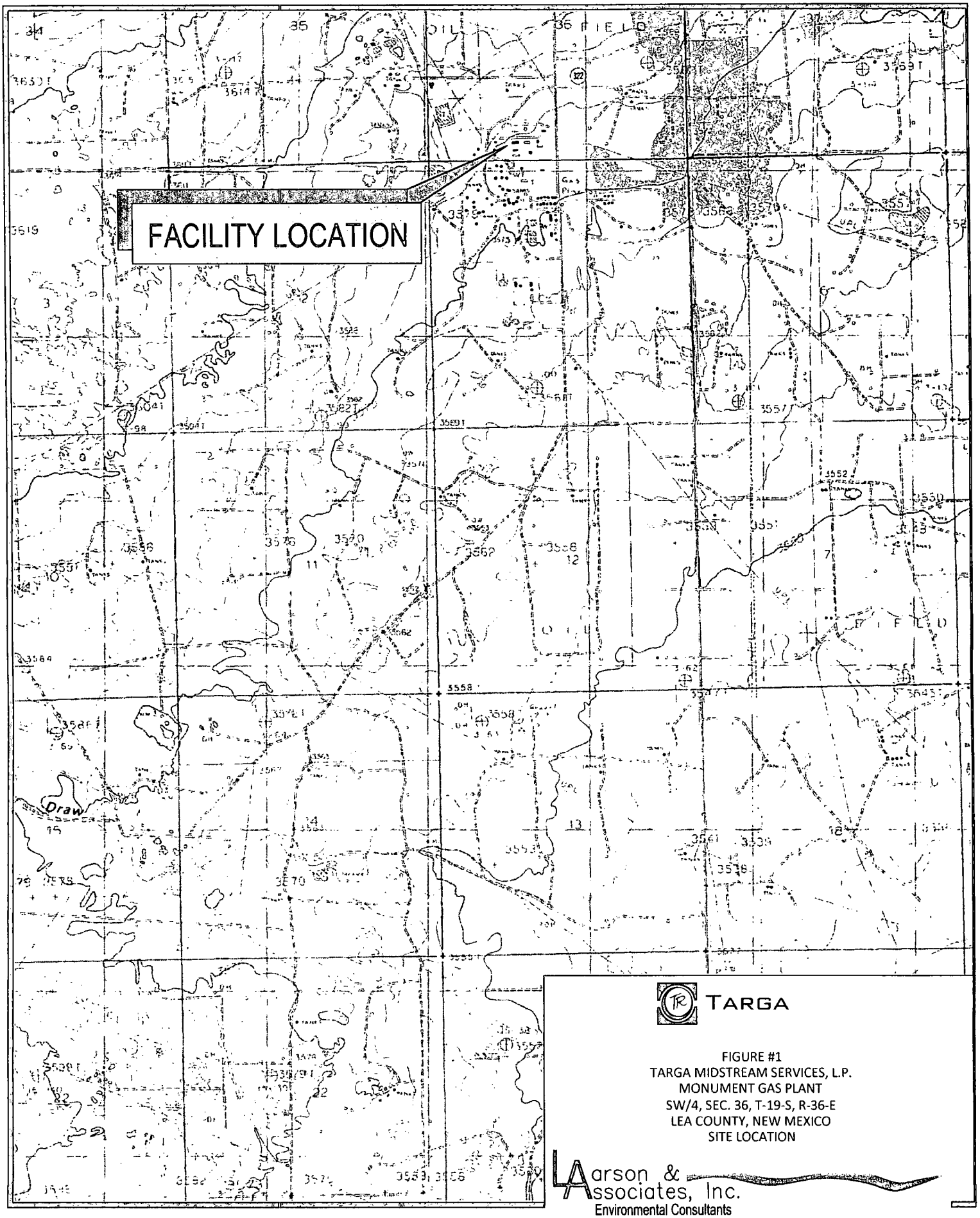
Lea County, New Mexico

Monitoring Well	Quarter/Year	Sample Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard							**250**	**600**		**1000**
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
WP-16	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
WP-17	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
WP-18	4th / 2006	12/13/2006	285	162	46.2	5,060	7,510	493	1,160	14,400
	2nd / 2007	12/13/2006	71.7	174	12.5	5,080	7,510	523	2,190	13,200
Duplicates										
WP-14	4th/2006	12/13/2006	--	--	--	--	4,860	1,500	--	11,400
WP-16	2nd / 2007	6/12/2007	9	11	4	969	592	119	1,350	2,590
WP-16	4th / 2007	12/5/2007	8.95	7.88	3.15	895	547	91.8	1,300	2,470

Notes: Analysis performed by Environmental Lab of Texas, Inc., Odessa, Texas
Results reported after December 2006 were performed by DHL Analytical, Inc., Round Rock, TX
Results reported in milligrams/Liter (mg/L)

1. <: Less than method detection limit
2. --: Sample not collected

FIGURES



TARGA

FIGURE #1
TARGA MIDSTREAM SERVICES, L.P.
MONUMENT GAS PLANT
SW/4, SEC. 36, T-19-S, R-36-E
LEA COUNTY, NEW MEXICO
SITE LOCATION

Larson & Associates, Inc.
Environmental Consultants

JWW

Y:\PROJECTS\TARGA\2-0108-MONUMENT GAS PLANT\2007 REPORT\FIGURE #2.dwg, 9/29/2008 10:27:08 AM

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24

SB-6
SB-4
GATE
FENCE
STORAGE WELL
PIPE YARD
WP-6
WP-7
WP-9
WP-8
WP-5
TO MONUMENT AND MADDOX RD.
SB-3
FLARE
WP-15
FLARE
WP-14
WP-10
FLARE SCRUBBER
WP-11
WP-12
STORAGE WELL
DEAD END
WP-13
CLIMAX WELL
GATE
SB-7
WP-2
WP-1
WP-5
WP-4
WP-4R
WP-17
WP-18
TO MADDOX RD.
DRIVEWAY
OLD CAMP ROAD
CATTLE GAURD
EL PASO
GAS PLANT
WP-16

LEGEND

SB-7 ⊙ - SOIL BORING LOCATION

WP-1 ■ - MONITORING WELL LOCATION

WP-3 ⊠ - MONITORING WELL CONVERTED TO CATHODIC PROTECTION WELL

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

TARGA

FIGURE #2
TARGA MIDSTREAM SERVICES, L.P.
MONUMENT GAS PLANT
SW/4, SEC. 36, T-19-S, R-36-E
N 32° 36' 37.79", W 103° 18' 37.98"
LEA COUNTY, NEW MEXICO

FACILITY DRAWING

Larson & Associates, Inc.
Environmental Consultants

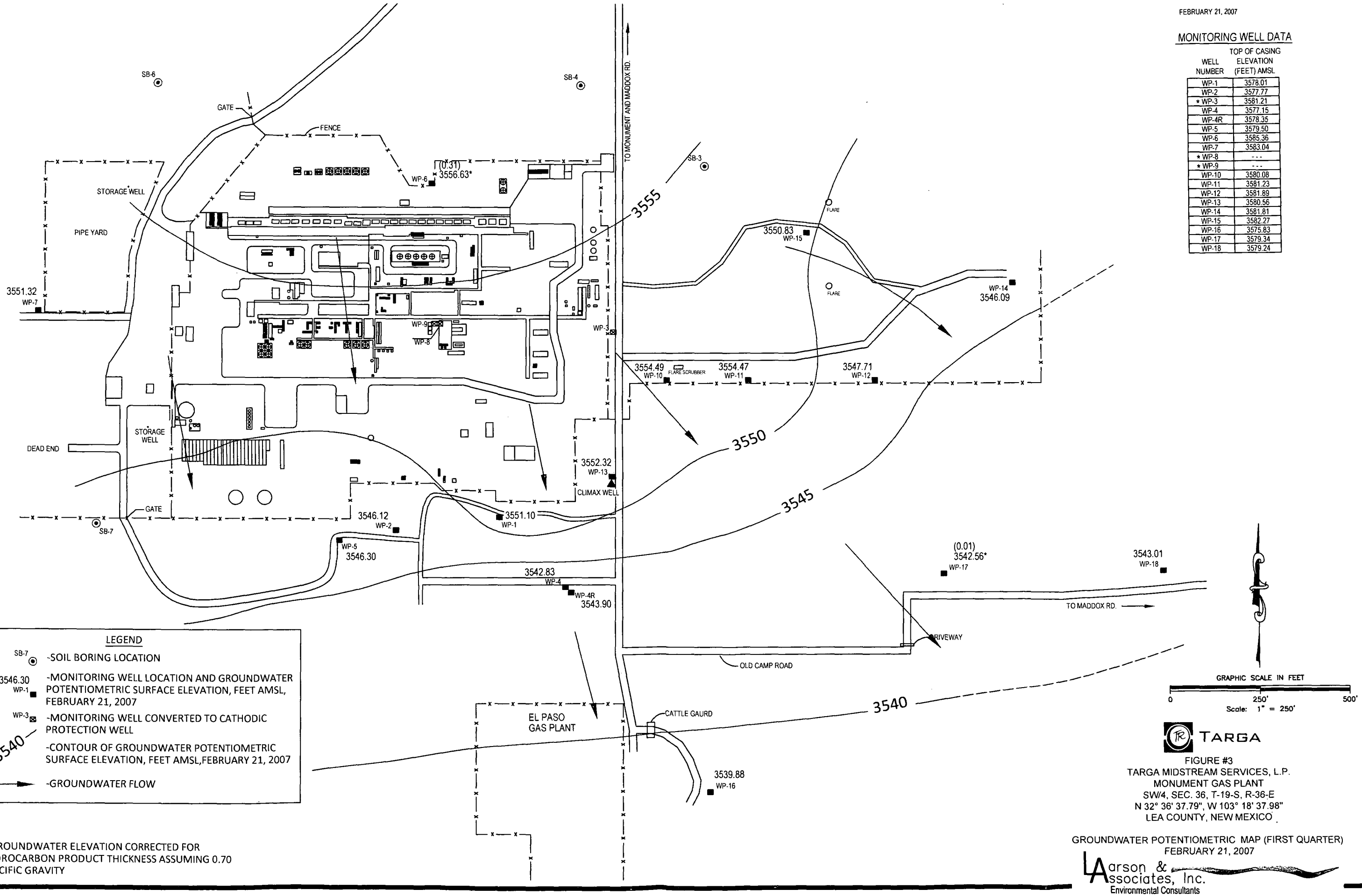
JWW

Y:\PROJECTS\TARGA\2-0108-MONUMENT GAS PLANT\2007 REPORT\FIGURE #3.dwg, 9/29/2008 10:26:24 AM

FEBRUARY 21, 2007

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24



TARGA

FIGURE #3
TARGA MIDSTREAM SERVICES, L.P.
MONUMENT GAS PLANT
SW/4, SEC. 36, T-19-S, R-36-E
N 32° 36' 37.79", W 103° 18' 37.98"
LEA COUNTY, NEW MEXICO

GROUNDWATER POTENTIOMETRIC MAP (FIRST QUARTER)
FEBRUARY 21, 2007

Larson & Associates, Inc.
Environmental Consultants

JWW

Y:\PROJECTS\TARGA\2-0108-MONUMENT GAS PLANT\2007 REPORT\FIGURE #4.dwg, 9/29/2008 10:24:57 AM

JUNE 12, 2007

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24

SB-6
SB-4
SB-3
SB-7
GATE
FENCE
STORAGE WELL
PIPE YARD
DEAD END
STORAGE WELL
GATE
TO MONUMENT AND MADDOX RD.
(0.31)
WP-6 3556.54*
3550.95
WP-7
WP-9
WP-8
WP-3
FLARE
WP-15
3550.54
FLARE
WP-14
3545.97
3547.99
WP-10
FLARE SCRUBBER
3554.11
WP-11
3547.33
WP-12
3555
3553.18
WP-13
CLIMAX WELL
3550
3545
3553.88
WP-1
3546.03
WP-2
WP-5
3545.68
3542.12
WP-4
WP-4R
3543.19
(0.04)
3542.32*
WP-17
3542.97
WP-18
TO MADDOX RD.
DRIVEWAY
OLD CAMP ROAD
EL PASO
GAS PLANT
CATTLE GAURD
3540.45
WP-16

LEGEND

- SB-7 -SOIL BORING LOCATION
- 3542.97 WP-1 -MONITORING WELL LOCATION AND GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, FEET AMSL, JUNE 12, 2007
- WP-3 -MONITORING WELL CONVERTED TO CATHODIC PROTECTION WELL
- 3555 -CONTOUR OF GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, FEET AMSL, JUNE 12, 2007
- -GROUNDWATER FLOW

* GROUNDWATER ELEVATION CORRECTED FOR HYDROCARBON PRODUCT THICKNESS ASSUMING 0.70 SPECIFIC GRAVITY

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

TARGA

FIGURE #4
TARGA MIDSTREAM SERVICES, L.P.
MONUMENT GAS PLANT
SW/4, SEC. 36, T-19-S, R-36-E
N 32° 36' 37.79", W 103° 18' 37.98"
LEA COUNTY, NEW MEXICO

GROUNDWATER POTENTIOMETRIC MAP (SECOND QUARTER)
JUNE 12, 2007

Larson & Associates, Inc.
Environmental Consultants

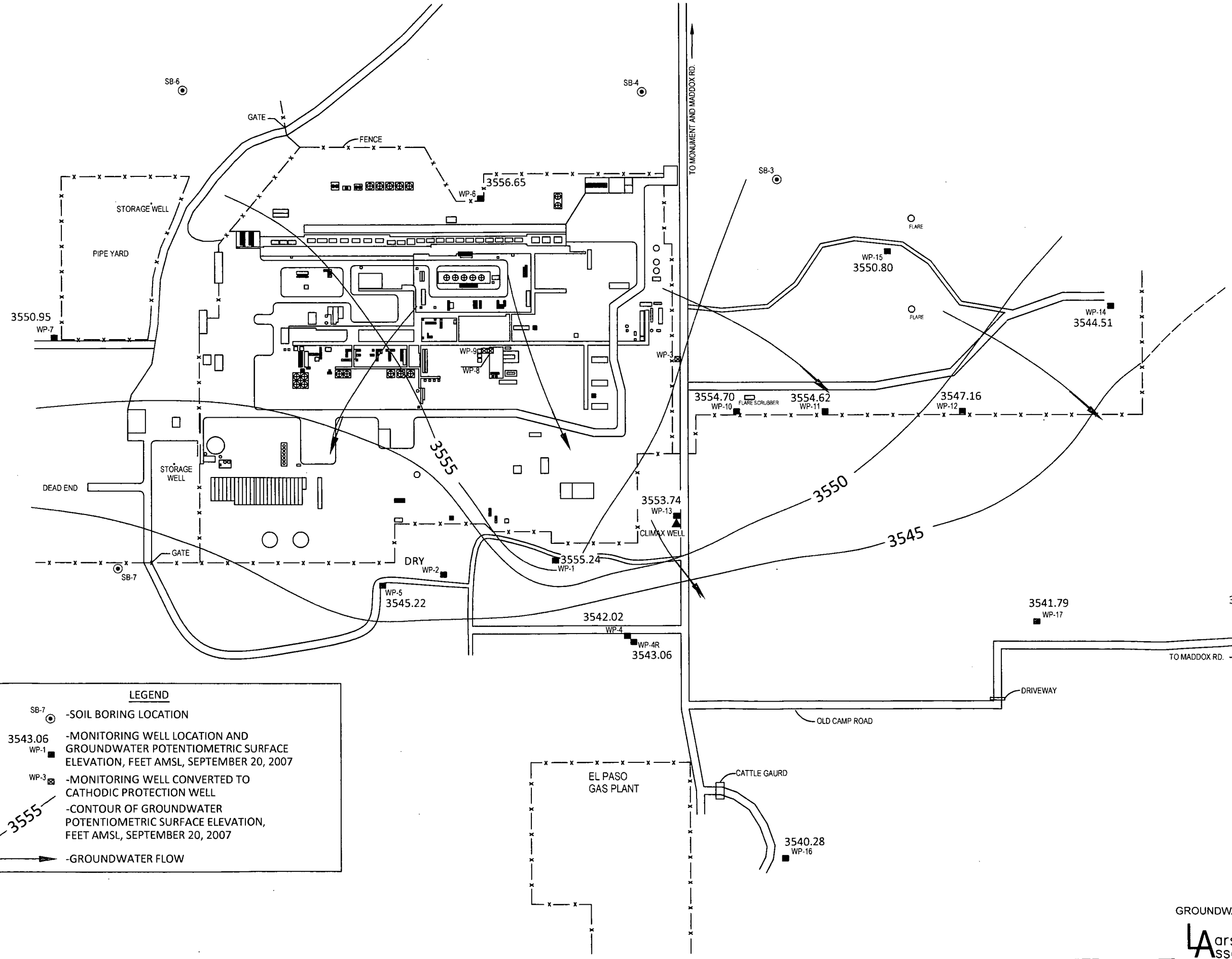
JWW

Y:\PROJECTS\TARGA\2-0108-MONUMENT GAS PLANT\2007 REPORT\FIGURE #5.dwg, 9/29/2008 10:24:04 AM

SEPTEMBER 20, 2007

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24



LEGEND

- SB-7 -SOIL BORING LOCATION
- 3543.06 WP-1 -MONITORING WELL LOCATION AND GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, FEET AMSL, SEPTEMBER 20, 2007
- WP-3 -MONITORING WELL CONVERTED TO CATHODIC PROTECTION WELL
- 3555 -CONTOUR OF GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, FEET AMSL, SEPTEMBER 20, 2007
- -GROUNDWATER FLOW

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

TARGA

FIGURE #5
TARGA MIDSTREAM SERVICES, L.P.
MONUMENT GAS PLANT
SW/4, SEC. 36, T-19-S, R-36-E
N 32° 36' 37.79", W 103° 18' 37.98"
LEA COUNTY, NEW MEXICO

GROUNDWATER POTENTIOMETRIC MAP (THIRD QUARTER)
SEPTEMBER 20, 2007

Larson & Associates, Inc.
Environmental Consultants

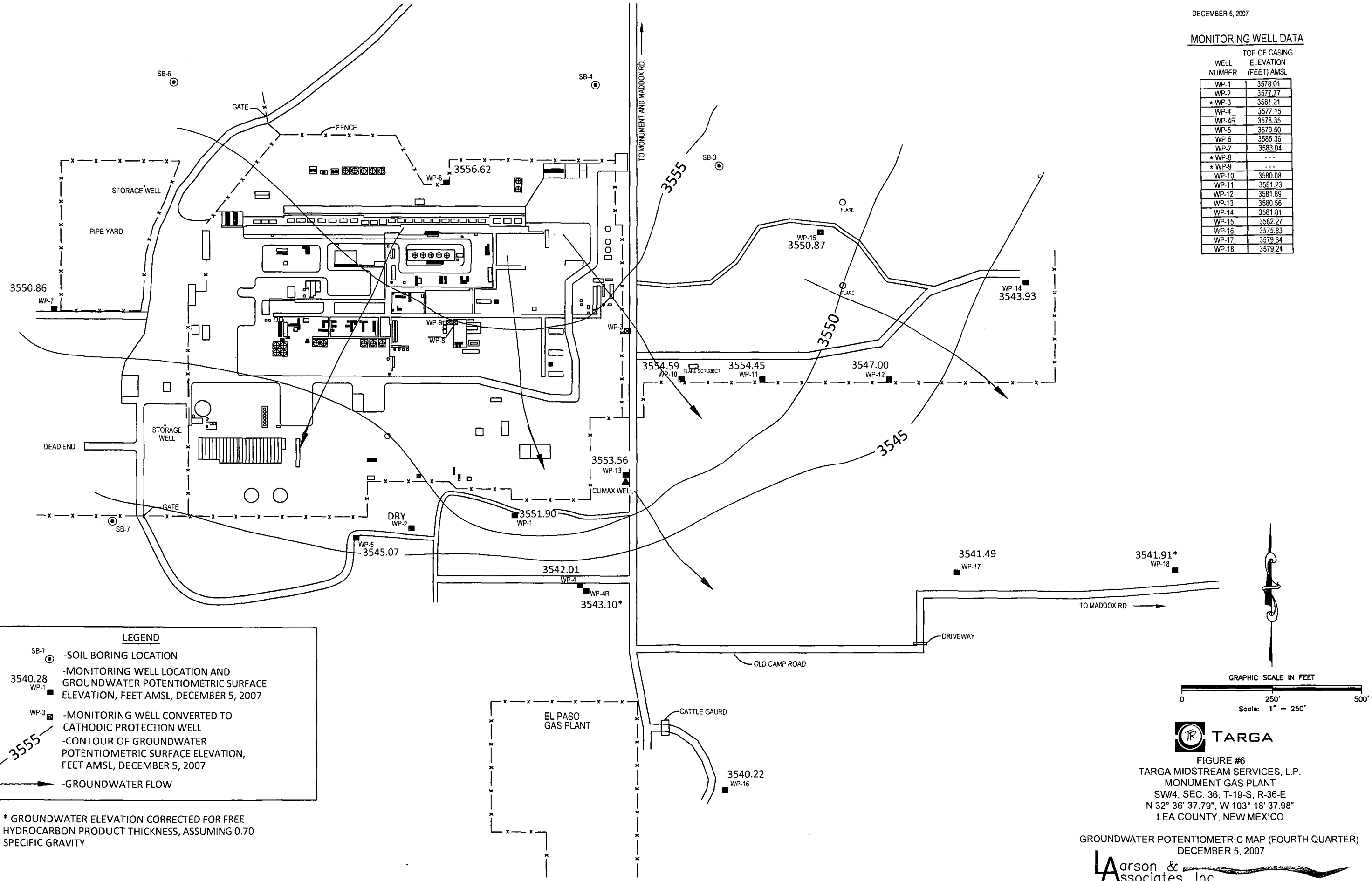
JWW

Y:\PROJECTS\TARGA\2-0108-MONUMENT GAS PLANT\2007 REPORT\FIGURE #6.dwg, 9/29/2008 10:21:12 AM

DECEMBER 5, 2007

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24



LEGEND

- SB-7 -SOIL BORING LOCATION
- 3540.28 WP-1 -MONITORING WELL LOCATION AND GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, FEET AMSL, DECEMBER 5, 2007
- WP-3 -MONITORING WELL CONVERTED TO CATHODIC PROTECTION WELL
- 3555 -CONTOUR OF GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, FEET AMSL, DECEMBER 5, 2007
- -GROUNDWATER FLOW

* GROUNDWATER ELEVATION CORRECTED FOR FREE HYDROCARBON PRODUCT THICKNESS, ASSUMING 0.70 SPECIFIC GRAVITY

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

TARGA

FIGURE #6
TARGA MIDSTREAM SERVICES, L.P.
MONUMENT GAS PLANT
SW/4, SEC. 36, T-19-S, R-36-E
N 32° 36' 37.79", W 103° 18' 37.98"
LEA COUNTY, NEW MEXICO

GROUNDWATER POTENTIOMETRIC MAP (FOURTH QUARTER)
DECEMBER 5, 2007

Larson & Associates, Inc.
Environmental Consultants

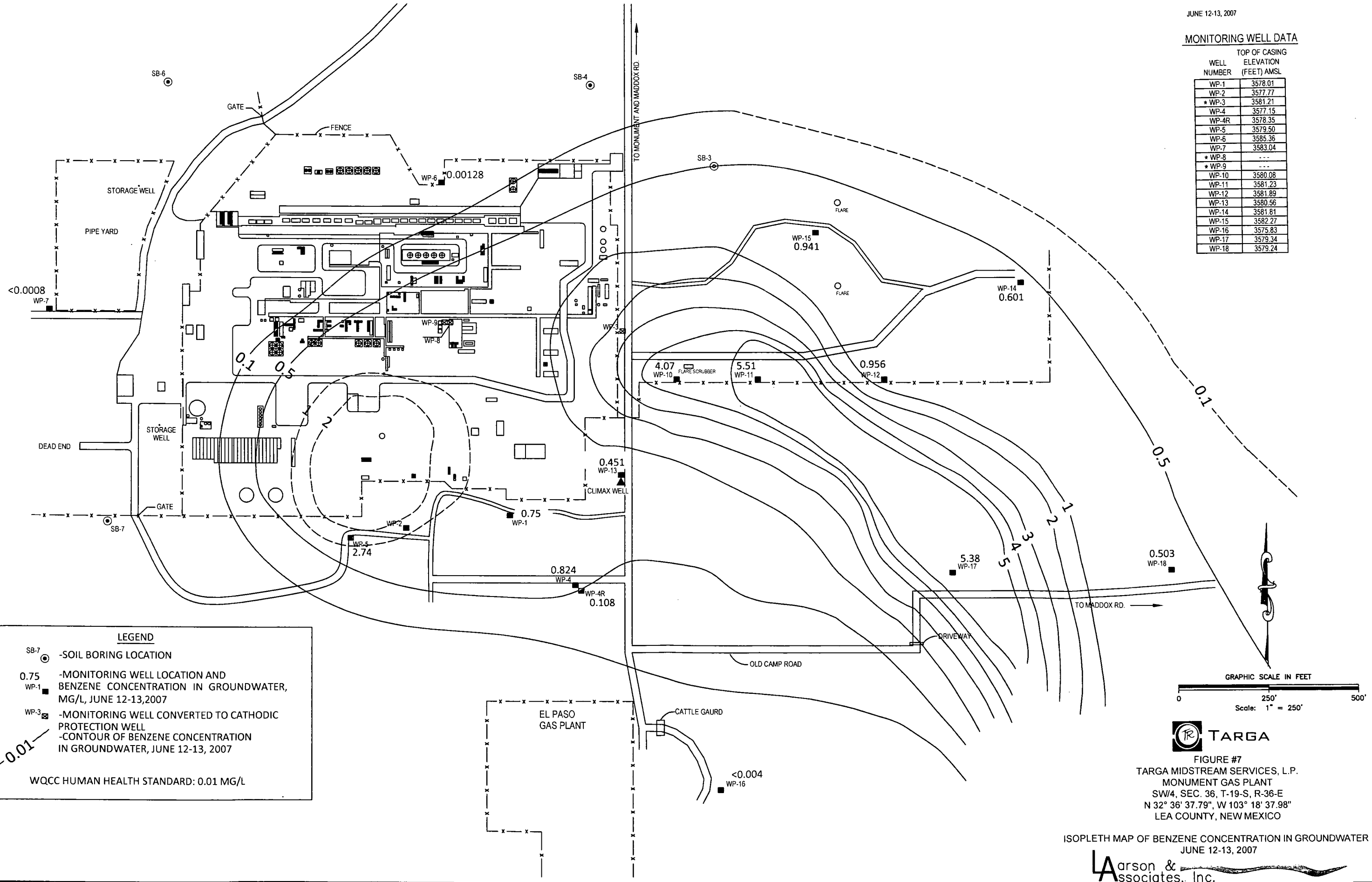
JWW

Y:\PROJECTS\TARGA\2-0108-MONUMENT GAS PLANT\2007 REPORT\FIGURE #7.dwg, 9/29/2008 10:19:27 AM

JUNE 12-13, 2007

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24



LEGEND

- SB-7 ⊙ -SOIL BORING LOCATION
- 0.75 WP-1 ■ -MONITORING WELL LOCATION AND BENZENE CONCENTRATION IN GROUNDWATER, MG/L, JUNE 12-13,2007
- WP-3 ⊠ -MONITORING WELL CONVERTED TO CATHODIC PROTECTION WELL
- 0.01 -CONTOUR OF BENZENE CONCENTRATION IN GROUNDWATER, JUNE 12-13, 2007

WQCC HUMAN HEALTH STANDARD: 0.01 MG/L

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

TARGA

FIGURE #7
TARGA MIDSTREAM SERVICES, L.P.
MONUMENT GAS PLANT
SW/4, SEC. 36, T-19-S, R-36-E
N 32° 36' 37.79", W 103° 18' 37.98"
LEA COUNTY, NEW MEXICO

ISOPLETH MAP OF BENZENE CONCENTRATION IN GROUNDWATER
JUNE 12-13, 2007

Larson & Associates, Inc.
Environmental Consultants

JWW

Y:\PROJECTS\TARGA\2-0108-MONUMENT GAS PLANT\2007 REPORT\FIGURE #8.dwg, 9/29/2008 10:09:30 AM

DECEMBER 5-6, 2007

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24

SB-6
SB-4
SB-3
SB-7
GATE
FENCE
STORAGE WELL
PIPE YARD
DEAD END
STORAGE WELL
GATE
TO MONUMENT AND MADDOX RD.
FLARE
FLARE
FLARE SCRUBBER
CLIMAX WELL
TO MADDOX RD.
DRIVEWAY
OLD CAMP ROAD
CATTLE GAURD
EL PASO GAS PLANT

WP-6 0.00128
WP-7 <0.0008
WP-9
WP-8
WP-3
WP-15 0.866
WP-14 0.227
WP-10 4.99
WP-11 6.47
WP-12 1.09
WP-13 0.881
WP-1 0.881
WP-2
WP-5 3.52
WP-4 0.439
WP-4R 0.0232
WP-17 5.38
WP-18 0.503
WP-16 0.00198

0.01
0.5
1.0
2.0
3.0
4.0
5.0
0.1

LEGEND

- SB-7 -SOIL BORING LOCATION
- 0.881 WP-1 -MONITORING WELL LOCATION AND BENZENE CONCENTRATION IN GROUNDWATER, MG/L, DECEMBER 5-6, 2007
- WP-3 -MONITORING WELL CONVERTED TO CATHODIC PROTECTION WELL
- 1.0 -CONTOUR OF BENZENE CONCENTRATION IN GROUNDWATER, MG/L, DECEMBER 5-6, 2007

WQCC HUMAN HEALTH STANDARD: 0.01MGL

GRAPHIC SCALE IN FEET
0 250' 500'
Scale: 1" = 250'

TARGA

FIGURE #8
TARGA MIDSTREAM SERVICES, L.P.
MONUMENT GAS PLANT
SW/4, SEC. 36, T-19-S, R-36-E
N 32° 36' 37.79", W 103° 18' 37.98"
LEA COUNTY, NEW MEXICO

ISOPLETH MAP OF BENZENE CONCENTRATION IN GROUNDWATER
DECEMBER 5-6, 2007

Larson & Associates, Inc.
Environmental Consultants

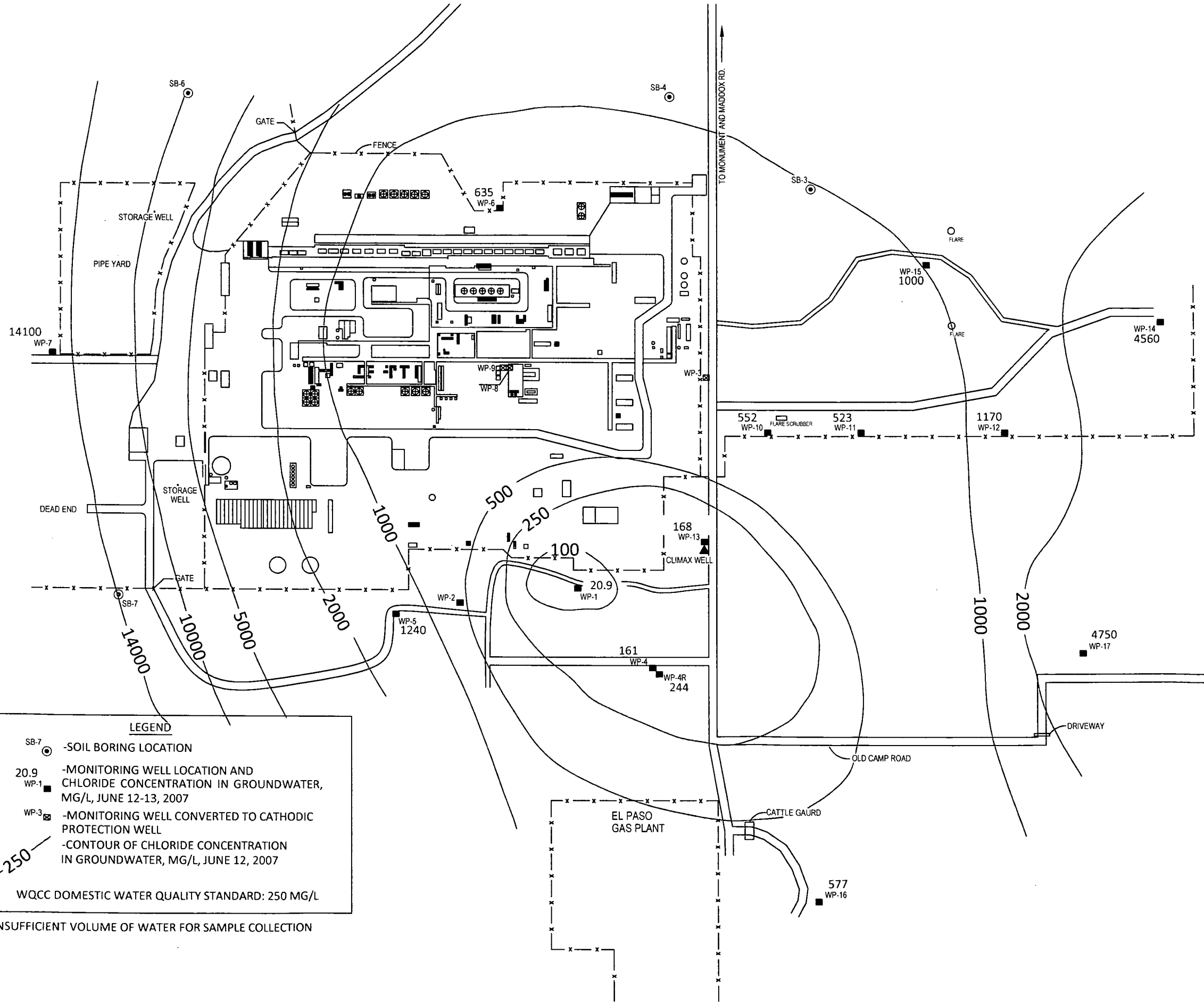
JWW

Y:\PROJECTS\TARGA\2-0108-MONUMENT GAS PLANT\2007 REPORT\FIGURE #9.dwg, 9/29/2008 10:08:33 AM

JUNE 12-13, 2007

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24



LEGEND

SB-7 ⊙ -SOIL BORING LOCATION

20.9 WP-1 ■ -MONITORING WELL LOCATION AND CHLORIDE CONCENTRATION IN GROUNDWATER, MG/L, JUNE 12-13, 2007

WP-3 ⊠ -MONITORING WELL CONVERTED TO CATHODIC PROTECTION WELL

250 -CONTOUR OF CHLORIDE CONCENTRATION IN GROUNDWATER, MG/L, JUNE 12, 2007

WQCC DOMESTIC WATER QUALITY STANDARD: 250 MG/L

* INSUFFICIENT VOLUME OF WATER FOR SAMPLE COLLECTION

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

TARGA

FIGURE #9
TARGA MIDSTREAM SERVICES, L.P.
MONUMENT GAS PLANT
SW/4, SEC. 36, T-19-S, R-36-E
N 32° 36' 37.79", W 103° 18' 37.98"
LEA COUNTY, NEW MEXICO

ISOPLETH MAP OF CHLORIDE CONCENTRATION IN GROUNDWATER
JUNE 12-13, 2007

Larson & Associates, Inc.
Environmental Consultants

JWW

Y:\PROJECTS\TARGA\2-0108-MONUMENT GAS PLANT\2007 REPORT\FIGURE #10.dwg, 9/29/2008 10:07:27 AM

DECEMBER 5-6, 2007

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24

SB-6
SB-4
SB-3
SB-7
GATE
FENCE
STORAGE WELL
PIPE YARD
DEAD END
STORAGE WELL
GATE
TO MONUMENT AND MADDOX RD.
1840
WP-6
12400
WP-7
WP-9
WP-8
WP-3
FLARE
WP-15
986
FLARE
WP-14
3500
433
WP-10
FLARE SCRUBBER
478
WP-11
1070
WP-12
165
WP-13
CLIMAX WELL
26.2
WP-1
WP-2
WP-5
869
126
WP-4
WP-4R
196
WP-17 *
7510
WP-18
TO MADDOX RD.
DRIVEWAY
OLD CAMP ROAD
EL PASO
GAS PLANT
CATTLE GAURD
533
WP-16
100
250
500
1000
2000
5000
10000
12000

LEGEND

SB-7 -SOIL BORING LOCATION

26.2 WP-1 -MONITORING WELL LOCATION AND CHLORIDE CONCENTRATION IN GROUNDWATER, MG/L, DECEMBER 5-6, 2007

WP-3 -MONITORING WELL CONVERTED TO CATHODIC PROTECTION WELL

250 -CONTOUR OF CHLORIDE CONCENTRATION IN GROUNDWATER, MG/L, DECEMBER 5-6,2007

WQCC DOMESTIC WATER QUALITY STANDARD: 250 MG/L

* INSUFFICIENT VOLUME OF WATER FOR SAMPLE COLLECT

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

TARGA

FIGURE #10
TARGA MIDSTREAM SERVICES, L.P.
MONUMENT GAS PLANT
SW/4, SEC. 36, T-19-S, R-36-E
N 32° 36' 37.79", W 103° 18' 37.98"
LEA COUNTY, NEW MEXICO

ISOPLETH MAP OF CHLORIDE CONCENTRATION IN GROUNDWATER
DECEMBER 5-6, 2007

Larson & Associates, Inc.
Environmental Consultants

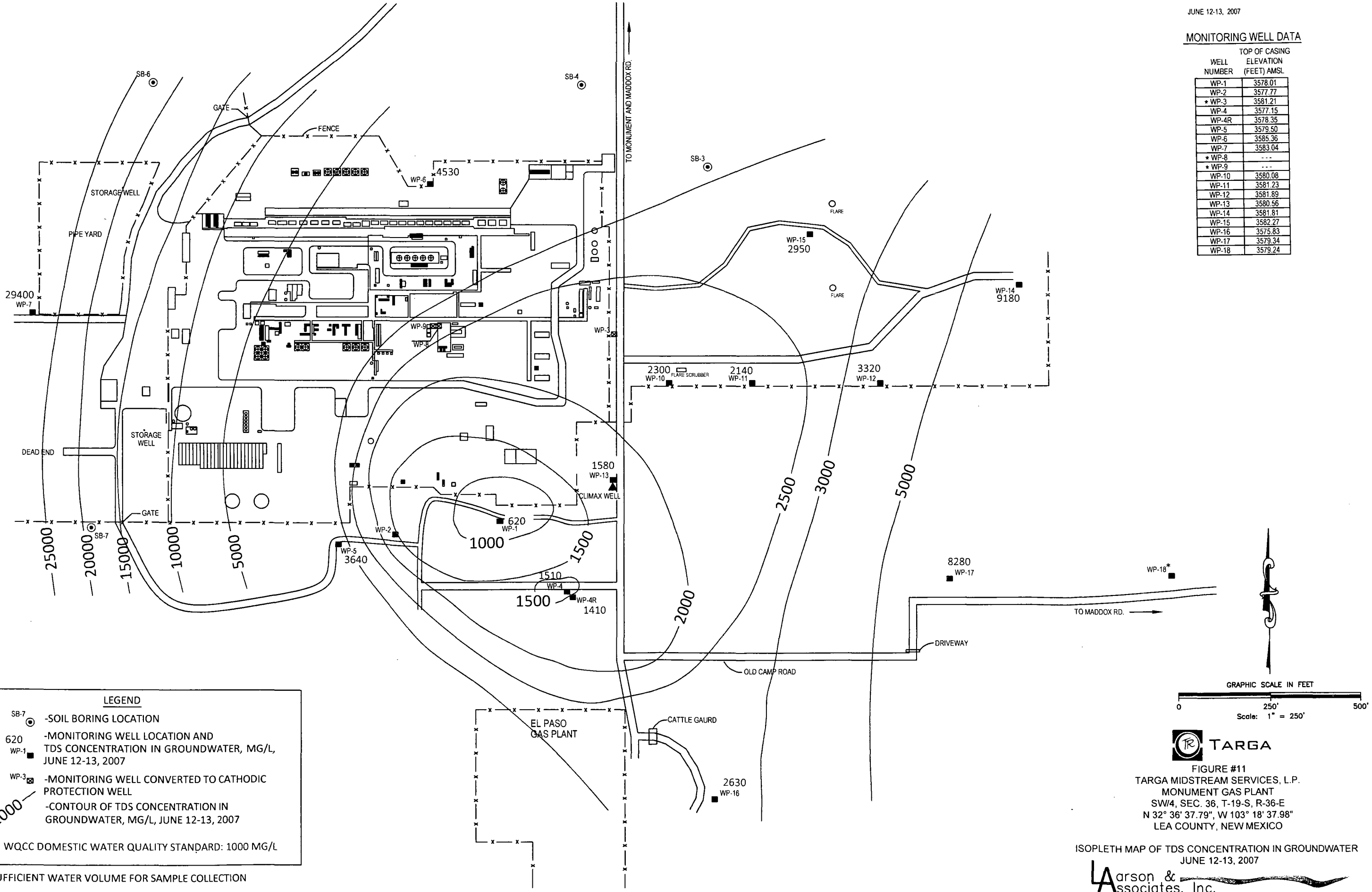
JWW

Y:\PROJECTS\TARGA\2-0108-MONUMENT GAS PLANT\2007 REPORT\FIGURE #11.dwg, 9/29/2008 10:06:16 AM

JUNE 12-13, 2007

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24



LEGEND

SB-7 -SOIL BORING LOCATION

620 WP-1 -MONITORING WELL LOCATION AND TDS CONCENTRATION IN GROUNDWATER, MG/L, JUNE 12-13, 2007

WP-3 -MONITORING WELL CONVERTED TO CATHODIC PROTECTION WELL

1000 -CONTOUR OF TDS CONCENTRATION IN GROUNDWATER, MG/L, JUNE 12-13, 2007

WQCC DOMESTIC WATER QUALITY STANDARD: 1000 MG/L

* INSUFFICIENT WATER VOLUME FOR SAMPLE COLLECTION

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

TARGA

FIGURE #11
TARGA MIDSTREAM SERVICES, L.P.
MONUMENT GAS PLANT
SW/4, SEC. 36, T-19-S, R-36-E
N 32° 36' 37.79", W 103° 18' 37.98"
LEA COUNTY, NEW MEXICO

ISOPLETH MAP OF TDS CONCENTRATION IN GROUNDWATER
JUNE 12-13, 2007

Larson & Associates, Inc.
Environmental Consultants

JWW

Y:\PROJECTS\TARGA\2-0108-MONUMENT GAS PLANT\2007 REPORT\FIGURE #12.dwg, 9/29/2008 10:28:49 AM

DECEMBER 5-6, 2007

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24

SB-6
SB-4
SB-3
SB-7
GATE
FENCE
STORAGE WELL
PIPE YARD
DEAD END
STORAGE WELL
GATE
TO MONUMENT AND MADDOX RD.
FLARE
FLARE
FLARE SCRUBBER
CLIMAX WELL
EL PASO GAS PLANT
CATTLE GAURD
OLD CAMP ROAD
DRIVEWAY
TO MADDOX RD.
WP-1
WP-2
WP-3
WP-4
WP-4R
WP-5
WP-6
WP-7
WP-8
WP-9
WP-10
WP-11
WP-12
WP-13
WP-14
WP-15
WP-16
WP-17 *
WP-18
7140
27800
722
2950
1530
1370
2190
2210
3300
1580
2570
8700
2470
13200
25000
20000
15000
10000
5000
3000
2500
2000
1500
1000
5000
10000
12000

LEGEND

SB-7 ⊙ -SOIL BORING LOCATION

722 WP-1 ■ -MONITORING WELL LOCATION AND TDS CONCENTRATION IN GROUNDWATER, MG/L, DECEMBER 5-6, 2007

WP-3 ⊠ -MONITORING WELL CONVERTED TO CATHODIC PROTECTION WELL

1000 -CONTOUR OF TDS CONCENTRATION IN GROUNDWATER, MG/L, DECEMBER 5-6,2007

WQCC DOMESTIC WATER QUALITY STANDARD: 1000 MG/L

* INSUFFICIENT WATER VOLUME FOR SAMPLE COLLECTION

GRAPHIC SCALE IN FEET
0 250' 500'
Scale: 1" = 250'

TARGA

FIGURE #12
TARGA MIDSTREAM SERVICES, L.P.
MONUMENT GAS PLANT
SW/4, SEC. 36, T-19-S, R-36-E
N 32° 36' 37.79", W 103° 18' 37.98"
LEA COUNTY, NEW MEXICO

ISOPLETH MAP OF TDS CONCENTRATION IN GROUNDWATER
DECEMBER 5-6, 2007

Larson & Associates, Inc.
Environmental Consultants

APPENDIX A

Laboratory Reports

Larson & Associates, Inc.
Environmental Consultants

July 17, 2007

Mr. Wayne Price
Environmental Bureau Chief
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: 2006 Annual Report, Monument Plant Ground Water Monitoring (GW-025), Targa Midstream Services, L. P., Unit N (SE/4, SW/4), Section 36, Township 19 South, Range 36 East, Lea County, New Mexico

Dear Wayne,

The enclosed report is submitted to the New Mexico Oil Conservation Division (OCD) on behalf of Targa Midstream Services, L. P. (Targa) by Larson & Associates, Inc. (LAI). The report presents the results of quarterly ground water monitoring at the Monument Gas Plant (GW-025) for 2006. Please call myself or Cal Wrangham with Targa at (432) 687-0901 or (432) 688-0452, respectively, if you have questions. We may also be reached by email at mark@laenvironmental.com or CWrangham@targaresources.com.

Sincerely,
Larson & Associates, Inc.

Mark J. Larson
Sr. Project Manager / /President

cc: Cal Wrangham - Targa
Todd Young - Targa
Larry Johnson – OCD District 1

2006
ANNUAL EPORT
MONUMENT GAS PLANT
GROUND WATER MONITORING
LEA COUNTY, NEW MEXICO

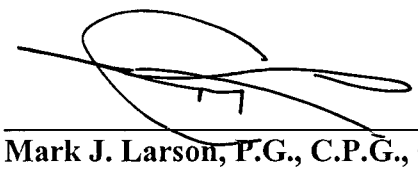
Prepared for:

Targa Midstream Services, L.P.
P.O. Box 67
Monument, New Mexico 88265
(505) 393-2823

Prepared by:

Larson & Associates, Inc.
507 North Marienfeld Street
Suite 202
Midland, Texas 79701
(432) 687-0901

July 17, 2007



Mark J. Larson, P.G., C.P.G., C.G.W.P.

Table of Contents

List of Tables

Table

List of Figures

Figure

List of Appendices

2006

Annual Ground Water Monitoring Report

Targa Midstream Services, L.P.

Monument Gas Plant (GW-025)

Lea County, New Mexico

1.0 INTRODUCTION

Targa Midstream Services, L.P. (Targa), as successor company to Dynegy Midstream Services, L.P. (Dynegy), has retained Larson & Associates, Inc. (LAI) to conduct ground water monitoring at its Monument Gas Plant (Facility) located approximately 2.6 miles southeast of Monument, in unit N (SE/4, SW/4), Section 36, Township 19 South, Range 36 East in Lea County, New Mexico. The Facility operates under New Mexico Oil Conservation Division (OCD) ground water discharge permit GW-025 and requires the Facility to monitor ground water on a quarterly (4 times per year) schedule. Figure 1 presents a location and topographic map. Figure 2 presents a Facility drawing.

1.1 Background

On March 5, 1998, the OCD approved a request to modify the ground water monitoring program to include the following:

- Measure depth-to-groundwater and hydrocarbon product thickness in twelve (12) monitoring wells (WP-1, WP-2, WP-4, WP-5, WP-6, WP-7, WP-10, WP-11, WP-12, WP-13, WP-14 and WP-15) quarterly (4 times per year);

- Collect and analyze groundwater samples from six (6) monitoring wells (WP-1, WP-5, WP-6, WP-7, WP-13 and WP-14) during the second (2^{nd}) quarter (April through June) for benzene, toluene, ethylbenzene, xylene ("BTEX"), dissolved metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver), chloride, sulfate and total dissolved solids ("TDS");

- Collect and analyze groundwater samples from three (3) monitoring wells (WP-1, WP-5 and WP-14) during the fourth (4^{th}) quarter (October through December) for BTEX, chloride, sulfate and TDS; and

- Prepare an annual report.

2.0 GROUND WATER MONITORING

2.1 Depth-to-Ground Water and Product Thickness Measurements

On March 28, 2006, July 11, 2006, September 12, 2006 and December 12, 2006, LAI personnel collected depth-to-ground water and hydrocarbon product (PSH) thickness measurements from sixteen (16) monitoring wells (WP-1, WP-2, WP-4, WP-4R, WP-5, WP-6, WP-7, WP-10 and WP-11 through WP-18). Wells WP-3, WP-8 and WP-9 have been converted to cathodic (corrosion) protection wells and could not be accessed.

The measurements were collected using an electronic interface probe, which distinguishes water from oil based on product density. The measurements were obtained at the top of the PVC well casing and recorded in a dedicated bound field notebook. The interface probe was thoroughly cleaned between wells using a solution of water and laboratory-grade detergent, and rinsed with distilled water. Table 1 presents a summary of the depth to ground water measurements.

Referring to Table 1, no significant variation in depth to ground water was observed during the reporting period. Only minor fluctuations were observed and suggest seasonal variations due to aquifer recharge and discharge. The depth-to-ground water measurements from the 2nd quarter (July 11, 2006) and fourth (4th) quarter (December 12, 2006) were used to prepare ground water potentiometric surface maps presented as Figure 3 and Figure 4, respectively.

On July 11, 2006, the elevation of the ground water surface ranged from approximately 3,556.63 feet above mean sea level (AMSL) in well WP-6 (upgradient) to 3,540.88 feet AMSL in well WP-16 (downgradient). Ground water flow was from northwest to southeast at an approximate hydraulic gradient of 0.01 feet per foot (ft/ft). On December 12, 2006, the elevation of the ground water surface ranged from approximately 3,556.65 feet AMSL in well WP-6 (upgradient) to 3,541.19 feet AMSL in well WP-16 (downgradient). Ground water flow was from northwest to southeast with an approximate hydraulic gradient of 0.01 ft/ft. No significant variations in groundwater flow

direction or gradient was observed during the reporting period.

On March 28, 2006, hydrocarbon product (PSH) was measured at 0.04 feet in well WP-18. On July 11, 2006, PSH was measured in wells WP-17 and WP-18 at 0.04 feet and 0.21 feet, respectively. During the reporting period, a GeoTech Product Recovery System (PRS) pneumatic pumping system was used to remove approximately three (3) gallons of PSH that was consistent with natural gas condensate from well WP-18. The PSH was placed in the Facility's slop oil tank. Figure 5 presents a Facility drawing showing the observed PSH thickness.

2.2 Ground Water Samples

On July 11, 2006, ground water samples were collected for the second (2^{nd}) quarter from wells WP-1, WP-5, WP-6, WP-7, WP-13, WP-14 and WP-16 through WP-18. These samples were analyzed for benzene, toluene, ethyl benzene and xylene (collectively referred to as BTEX). On December 12 and 13, 2006, ground water samples were collected for the fourth (4^{th}) quarter from wells WP-1, WP-5, WP-14 and WP-16 through WP-18. These samples were analyzed for BTEX, dissolved metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver), chloride, sulfate and TDS. The samples were collected after each well was purged dry or until approximately three (3) casing volumes of ground water was removed. The wells were purged using dedicated disposable PVC bailers and the purged ground water was placed in the Facility's waste water system for disposal in an OCD permitted well. The samples were carefully poured from the bailers into laboratory prepared containers that were preserved, labeled, chilled in an ice chest and hand delivered under chain-of-custody control to Environmental Lab of Texas, Inc. (ELTI), located in Odessa, Texas. No ground water samples were collected from well WP-18 on July 11, 2006, due to PSH in the well. Table 2 presents a summary of the BTEX analysis. Table 3 presents a summary of the dissolved metals analysis. Table 4 presents a summary of the chloride, sulfate and TDS analysis. Appendix A presents the laboratory reports.

On July 11, 2006, benzene was reported above the New Mexico Water Quality Control Commission (WQCC) human health standard of 0.01 milligrams per liter (mg/L) in samples from wells WP-1 (1.53 mg/L), WP-5 (5.31 mg/L), WP-13 (0.415 mg/L), WP-14 (0.105 mg/L) and WP-17 (6.35 mg/L). During the previous reporting period (December 12, 2005) benzene was reported in samples from wells WP-1 (0.131 mg/L), WP-5 (0.128 mg/L), WP-14 (0.221 mg/L), WP-17 (5.38 mg/L) and WP-18 (0.428 mg/L). On December 12 and 13, 2006, benzene was reported above the WQCC human health standard in samples from wells WP-1 (0.131 mg/L), WP-5 (0.128 mg/L), WP-14 (0.221 mg/L), and WP-17 (5.38 mg/L). On July 11, 2006, ethyl benzene was reported above the WQCC human health standard of 0.75 mg/L in the sample from well WP-17. Ethyl benzene was not previously reported at concentrations above the WQCC human health standard. Toluene or xylene was not reported above the WQCC human health standards during the reporting period. Figure 6 presents a Facility drawing showing benzene concentrations in ground water on July 11, 2006 and December 12 and 13, 2006.

On July 11, 2006, dissolved barium was reported above the WQCC human health standard of 0.1 mg/L in samples from wells WP-1 (2.02 mg/L) and WP-17 (82.9 mg/L). The current barium concentration in well WP-1 is less than the concentration previously reported on June 14, 2005 (12.1 mg/L). On July 11, 2006, dissolved chromium was reported below the WQCC human health threshold of 0.05 mg/L in all samples. Previously (June 14, 2005) the laboratory reported dissolved chromium above the WQCC human health standard in samples from wells WP-5 (0.0816 mg/L) and WP-7 (0.2 mg/L). On July 11, 2006, selenium was reported at 0.29 mg/L in the sample from well WP-17, which exceeded the WQCC human health standard of 0.05 mg/L. No previous data is available for well WP-17.

Referring to Table 4, on July 11, 2006, chloride, sulfate and TDS in background (upgradient) monitoring well WP-6 were 806 mg/L, 2,060 mg/L and 8,620 mg/L, respectively. On June 14, 2005, chloride, sulfate and TDS were 1,100 mg/L, 1,980 mg/L and 4,670 mg/L, respectively. The

background concentrations of chloride, sulfate and TDS exceed the WQCC domestic water quality standard of 250 mg/L, 600 mg/L and 1000 mg/L, respectively. During 2006, the WQCC domestic water quality standard for chloride was exceeded in samples from wells WP-5, WP-6, WP-7, WP-14, WP-16, WP-17 and WP-18. During 2006, the WQCC domestic water quality standard for sulfate was exceeded in samples from wells WP-6, WP-7 and WP-14. During 2006, the WQCC domestic water quality standard for TDS was exceeded in samples from wells WP-5, WP-6, WP-7, WP-13, WP-14, WP-16, WP-17 and WP-18. The former Climax Chemical plant, which manufactured hydrochloric acid is located northwest (upgradient) of the Facility is considered to be the probable source for the elevated chloride and TDS. Figures 7, 8 and 9 present Facility drawings showing the concentrations of chloride, sulfate and TDS, respectively.

4.0 CONLUSIONS

1. No significant variation in depth to ground water was observed during the reporting period except minor fluctuations that may be the result of seasonal variation due to recharge and discharge;
2. The groundwater flow direction and gradient remained generally the same as in previous reporting periods and was from northwest to southeast at a gradient of approximately 0.01 ft/ft;
3. Hydrocarbon product was observed in wells WP-17 at 0.04 feet (July 11, 2006) and well WP-18 at 0.04 feet (March 28, 2006) and 0.21 feet (July 11, 2006). A GeoTech PRS pneumatic pumping system was used in well WP-18 to remove approximately three (3) gallons of hydrocarbon product that was consistent with natural gas condensate and placed in the Facility's slop oil tank;
4. On July 11, 2006, benzene exceeded the WQCC human health standard of 0.01 mg/L in samples from wells WP-1 (1.53 mg/L), WP-5 (5.31 mg/L), WP-13 (0.415 mg/L), WP-14 (0.105 mg/L) and WP-17 (6.35 mg/L). These data are consistent with data from the previous reporting period;

5. Ethyl benzene was reported above the WQCC human health standard of 0.75 mg/L in ground water from well WP-17 and had not been reported above the WQCC human health standard in previous reporting periods;
6. Toluene or xylene were below the WQCC human health standards in all samples during the reporting period, which is consistent with the previous reporting periods;
7. On July 11, 2006, dissolved barium was reported above the WQCC human health standard (0.1 mg/L) in samples from wells WP-1 (2.02 mg/L) and WP-17 (82.9 mg/L). The current barium concentration for well WP-1 is lower than previous reported on June 14, 2005 (12.1 mg/L). No historical data is available for well WP-17;
8. Current laboratory analysis of ground water samples reports no chromium above the WQCC human health standard of 0.05 mg/L. During the previous reporting period (June 14, 2005) dissolved chromium was reported above the WQCC human health standard in samples from wells WP-5 (0.0816 mg/L) and WP-7 (0.2 mg/L);
9. On July 11, 2006, selenium was reported above the WQCC human health standard of 0.05 mg/L in the sample from well WP-17 (0.29 mg/L). No previous data is available for well WP-17.
10. During the current reporting period, chloride (806 mg/L), sulfate (2,060 mg/L) and TDS (8,620 mg/L) were reported above the WQCC domestic water quality standards of 250 mg/L, 600 mg/L and 1,000 mg/L in ground water samples from background well WP-6. The previous analysis (June 14, 2005) reported chloride, sulfate and TDS in well WP-6 at 1,100 mg/L, 1,980 mg/L and 4,670 mg/L, respectively. During 2006, the WQCC domestic water quality standard for chloride was exceeded in samples from wells WP-5, WP-6, WP-7, WP-14, WP-16, WP-17 and WP-18. The WQCC domestic water quality standard for sulfate was also exceeded in samples from wells WP-6, WP-7 and WP-14. The WQCC domestic water quality standard for TDS was exceeded in samples from wells WP-5, WP-6, WP-7, WP-13, WP-14, WP-16, WP-17 and WP-18. The former Climax Chemical plant, which manufactured hydrochloric acid, is located northwest (upgradient) of the Facility and

considered the probable source for the elevated chloride and TDS.

5.0 RECOMMENDATIONS

Targa will continue quarterly ground water monitoring in accordance with the current sampling schedule, including wells WP-16, WP-17 and WP-18. Targa will continue to recover PSH removal when detected in the monitoring wells.

TABLES

Table 1
Summary of Depth to Ground Water and Hydrocarbon Product Thickness Measuurements
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Date	WP-1	WP-2	WP-4	WP-4R	WP-5	WP-6	WP-7	WP-10
12/12/2005	25.82 *(3552.19)*	28.91 *(3548.86)*	33.15 *(3544.00)*	33.28 *(3545.07)*	30.36 *(3549.14)*	28.90 *(3556.46)*	27.87 *(3555.17)*	25.24 *(3554.84)*
12/19/05	--	--	33.19 *(3543.96)*	33.31 *(3544.04)*	--	--	--	--
01/16/06	--	--	33.16 *(3543.99)*	33.33 *(3545.02)*	--	--	--	--
01/23/06	--	--	33.27 *(3543.88)*	33.43 *(3544.92)*	--	--	--	--
02/22/06	--	--	33.59 *(3543.56)*	33.43 *(3544.92)*	--	--	--	--
03/15/06	--	--	33.69 *(3543.46)*	33.55 *(3544.80)*	--	--	--	--
03/28/06	27.72 *(3550.29)*	30.52 *(3547.25)*	33.68 *(3543.47)*	33.82 *(3544.53)*	31.38 *(3548.12)*	28.73 *(3556.63)*	30.12 *(3552.92)*	26.16 *(3553.92)*
07/11/06	28.84 *(3549.17)*	31.52 *(3546.25)*	34.38 *(3542.77)*	34.56 *(3543.79)*	32.42 *(3547.08)*	28.73 *(3556.63)*	31.27 *(3551.77)*	26.63 *(3553.45)*
09/12/06	16.50 *(3561.51)*	29.46 *(3548.31)*	34.04 *(3543.11)*	34.13 *(3344.22)*	31.31 *(3548.19)*	*28.66 (0.01') *(*3556.70)*	31.02 *(3552.02)*	25.38 *(3554.70)*
12/12/06	24.98 *(3553.03)*	31.25 *(3546.52)*	--	33.69 *(3544.66)*	32.40 *(3547.10)*	28.71 *(3556.65)*	31.21 *(3551.83)*	24.75 *(3555.33)*
02/21/07	26.91 (3554.96)	31.65 (3546.92)	34.32 (3544.01)	34.45 (3545.42)	33.20 (3547.90)	*28.70 (0.05) (3556.64)	31.72 (3552.34)	25.59 (3556.17)

Table 1
Summary of Depth to Ground Water and Hydrocarbon Product Thickness Measuurements
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Date	WP-11	WP-12	WP-13	WP-14	WP-15	WP-16	WP-17	WP-18
12/12/2005	26.39 *(3554.84)*	33.69 *(3548.20)*	26.38 *(3554.18)*	35.11 *(3546.70)*	31.51 *(3550.76)*	34.32 *(3541.51)*	35.79 *(3543.55)*	*35.19 (0.06') *(*3544.05)*
03/28/06	27.29 *(3553.94)*	34.48 *(3547.41)*	27.77 *(3552.79)*	36.87 *(3544.94)*	31.83 *(3550.44)*	34.24 *(3541.59)*	36.81 *(3542.53)*	*35.68 (0.04') *(*3543.56)*
07/11/06	27.84 *(3553.39)*	34.87 *(3547.02)*	28.45 *(3552.11)*	36.78 *(3545.03)*	32.15 *(3550.12)*	34.95 *(3540.88)*	*36.57 (0.04') *(*3578.38)*	*36.32 (0.21') *(*3542.92)*
09/12/06	26.75 *(3554.48)*	35.10 *(3546.79)*	26.33 *(3554.23)*	37.58 *(3544.23)*	--	34.78 *(3541.05)*	37.05 *(*3542.71)*	36.92 *(3542.32)*
12/12/06	25.93 *(3555.30)*	34.11 *(3547.78)*	26.12 *(3554.44)*	35.70 *(3546.11)*	31.21 *(3551.06)*	34.64 *(3541.19)*	36.85 *(3542.49)*	36.49 *(3542.75)*

Notes:
1. *: Hydrocarbon product in well and thickness in parenthesis.
2. (*3554.18*): Groundwater elevation in feet above mean sea level (AMSL)
3. --: No data available

All measurements in feet below top of PVC well casing.

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

Monitoring Well	Quarter/Year	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
NMWQCC Standard			**0.01**	**0.75**	**0.75**	**0.62**
WP-1	4th / 2005	12/12/2005	1.92	<0.05	0.0179	<0.100
	2nd / 2006	07/11/2006	1.53	0.00297	0.0331	0.0154
	4th / 2006	12/13/2006	0.131	0.00292	0.00495	0.00404
WP-5	4th / 2005	12/12/2005	6.26	<0.050	0.0147	< 0.100
	2nd / 2006	07/11/2006	5.31	<0.05	<0.05	<0.1
	4th/2006	12/13/2006	0.128	<0.005	<0.005	<0.01
WP-6	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
WP-7	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
WP-13	2nd / 2005	06/14/2005	0.804	0.00721	0.064	0.01491
	2nd / 2006	07/11/2006	0.415	0.00553	0.0331	0.0154
WP-14	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	12/13/06	0.221	0.00265	0.00354	0.00769
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	12/13/06	0.000416	0.00242	0.00065	0.004301
WP-17	2nd / 2005	08/09/2005	5.28	0.0909	1.22	0.2828
	2nd / 2006	07/11/2006	6.35	0.0399	0.794	0.214
	4th/2006	12/13/2006	5.38	<0.100	0.438	<0.200
WP-18	2nd / 2005	08/09/2005	1.03	0.0294	0.354	0.2329
	2nd / 2006	07/11/2006	N/S	N/S	N/S	N/S

Table 2
Summary of BTEX Concentrations in Ground Water Samples from Monitoring Wells
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitoring Well	Quarter/Year	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
NMWQCC Standard			**0.01**	**0.75**	**0.75**	**0.62**
WP-18	4th/2006	12/12/2006	0.428	<0.100	0.0735	0.049
Duplicates						
WP-14	4th/2005	12-Dec-05	0.274	<0.005	<0.005	<0.005
WP-1	2nd / 2006	07/11/2006	1.62	<0.01	0.0288	<0.02
WP-14	4th/2006	12/13/2006	0.2	0.00301	0.00371	0.00758

Notes: Analysis performed by Environmental Lab of Texas, Inc., Odessa, Texas
1. mg/L: Milligrams per liter
2. <: Less than method detection limit
3. N/S: Product in well - no sample collected

Table 3
Summary of Dissolved Metals in Ground Water Samples from Monitoring Wells
Targa Midstream Swervices, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitoring Well	Quarter/Year	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Mercury (mg/L)	Selenium (mg/L)	Silver (mg/L)
NMWQCC Standard			**0.1**	**1.0**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**
WP-1	2nd / 2005	06/14/2005	0.0422	12.1	0.0052	<0.005	0.0347	<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
WP-5	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
WP-6	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
WP-7	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
WP-13	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
WP-14	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
WP-16	2nd / 2006	07/11/2006	<0.0426	0.0735	<0.0173	<0.0174	<0.0074	0.00014	<0.0751	<0.0101
WP-17	2nd / 2006	07/11/2006	0.0991	82.9	<0.0692	<0.0698	<0.0296	<0.00025	0.29	<0.0405
WP-18	2nd / 2006	07/11/2006	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
Duplicate WP-1	2nd / 2006	07/11/2006	0.0265	2.08	<0.0173	<0.0174	<0.0074	0.00026	<0.0751	<0.0101

Notes: Analysis performed by Environmental Lab of Texas, Inc., Odessa, Texas
1. mg/L: Milligrams per liter
2. <: Less than method detection limit
3. N/S: Product in well - no sample collected

Table 4
Summary of Chloride, Sulfate and TDS Concentrations in Ground Water Samples from Monitoring Wells
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitoring Well	Quarter / Year	Sample Date	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMWQCC Standard			**250**	**600**	**1000**
Duplicates					
WP-14	4th/2005	1212/05	4,770	1,590	10,400
WP-1	2nd / 2006	07/11/2006	20.1	<5	654
WP-14	4th/2006	12/13/2006	4860	1500	11,400

Notes: Analysis performed by Environmental Lab of Texas, Inc., Odessa, Texas
1. mg/L: Milligrams per liter
2. <: Less than method detection limit
3. N/S: Product in well - no sample collected

Table 4
Summary of Chloride, Sulfate and TDS Concentrations in Ground Water Samples from Monitoring Wells
Targa Midstream Services, L.P., Monument Gas Plant (GW-025)
Lea County, New Mexico

Monitoring Well	Quarter / Year	Sample Date	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMWQCC Standard			**250**	**600**	**1000**
Duplicates					
WP-14	4th/2005	1212/05	4,770	1,590	10,400
WP-1	2nd / 2006	07/11/2006	20.1	<5	654
WP-14	4th/2006	12/13/2006	4860	1500	11,400

Notes: Analysis performed by Environmental Lab of Texas, Inc., Odessa, Texas

1. mg/L: Milligrams per liter
2. <: Less than method detection limit
3. N/S: Product in well - no sample collected

FIGURES

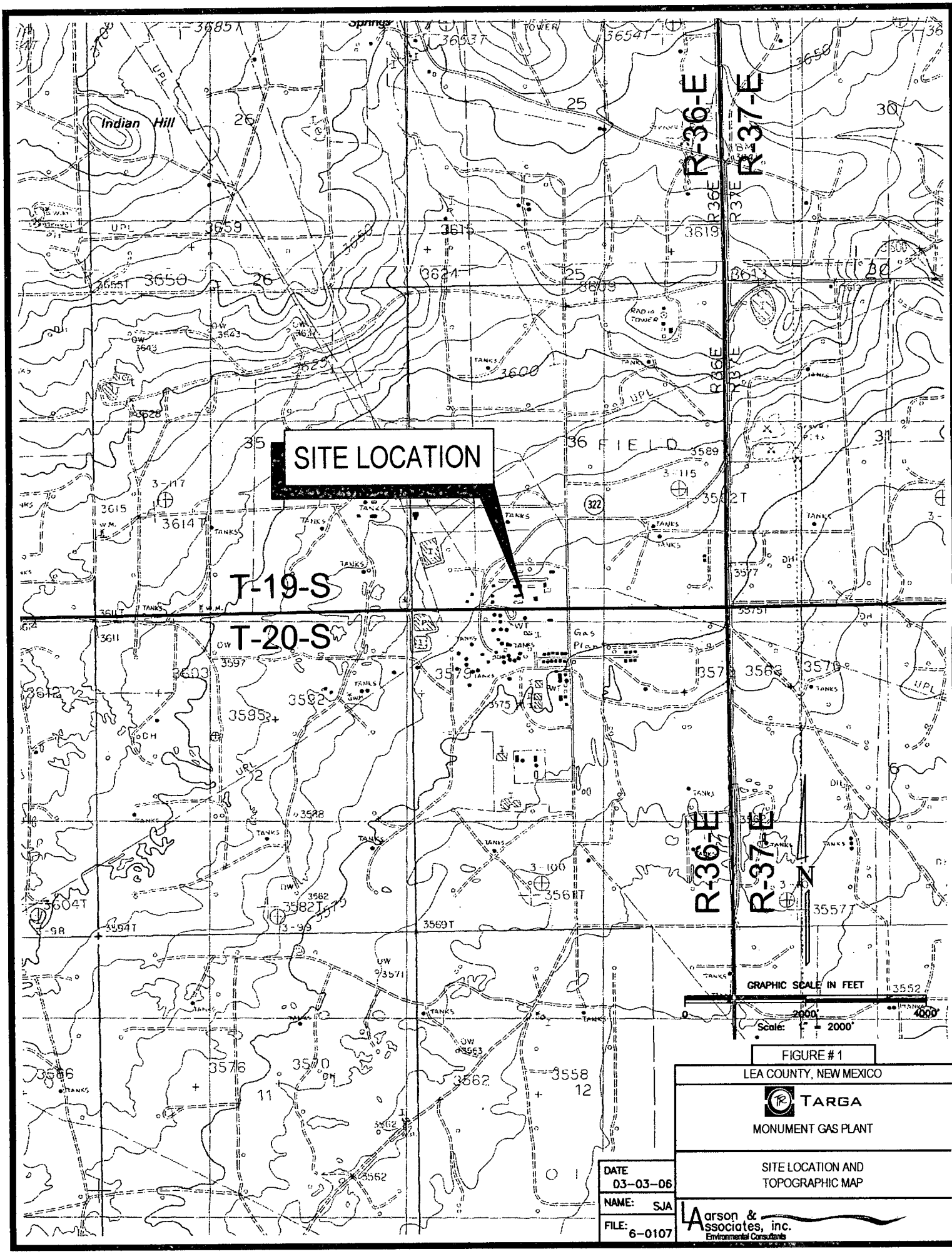


FIGURE # 1

LEA COUNTY, NEW MEXICO

TARGA

MONUMENT GAS PLANT

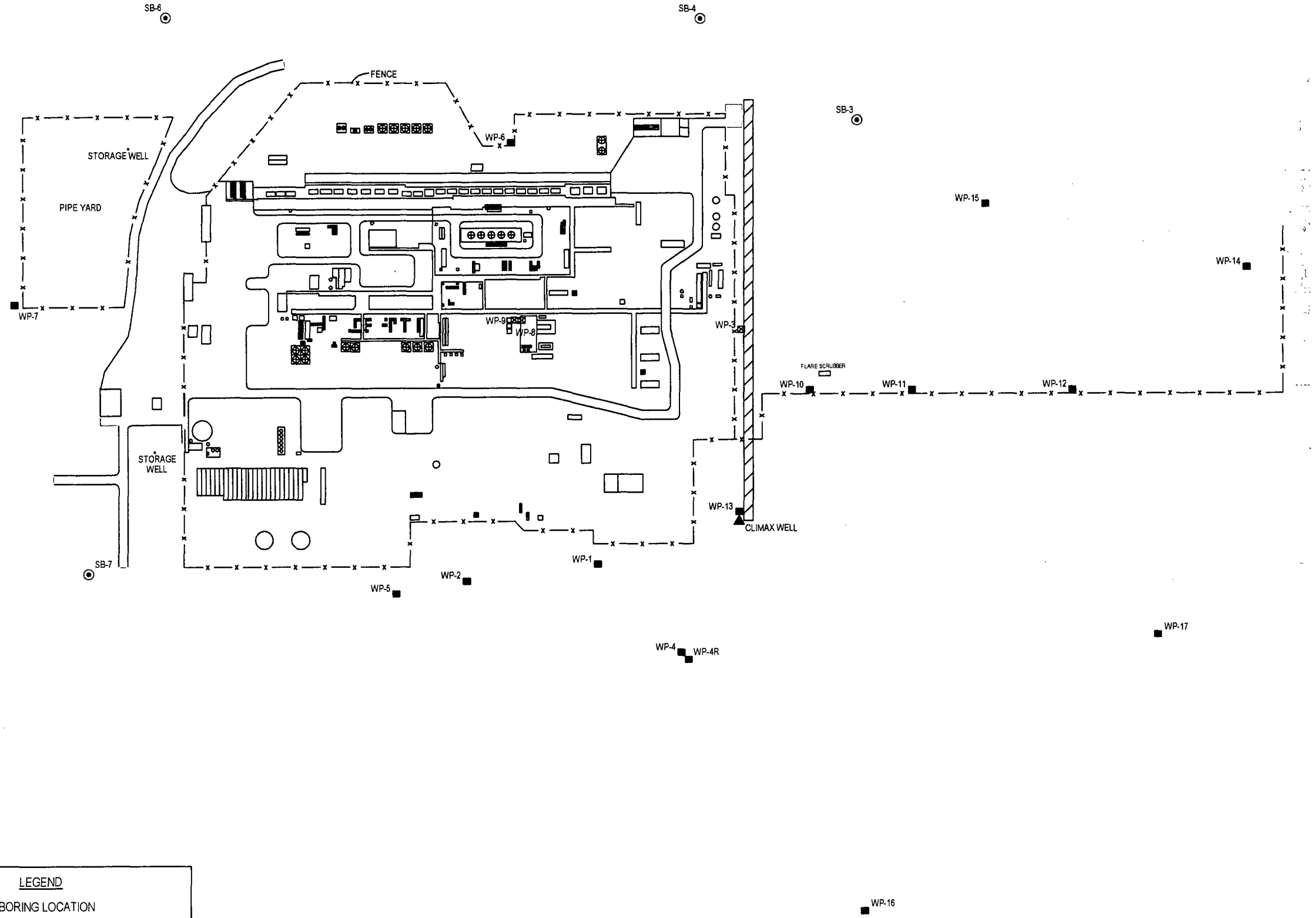
SITE LOCATION AND TOPOGRAPHIC MAP

DATE	03-03-06
NAME:	SJA
FILE:	6-0107

Larson & Associates, inc.
Environmental Consultants

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
*WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
*WP-8	---
*WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24



LEGEND

SB-7 ⊙ - SOIL BORING LOCATION

WP-1 ■ - MONITORING WELL LOCATION

WP-3 ⊠ - MONITORING WELL LOCATION CONVERTED TO CATHOTIC PROTECTION WELL

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

FIGURE # 2

LEA COUNTY, NEW MEXICO

TARGA

MONUMENT GAS PLANT

FACILITY DRAWING

DATE 02-27-06

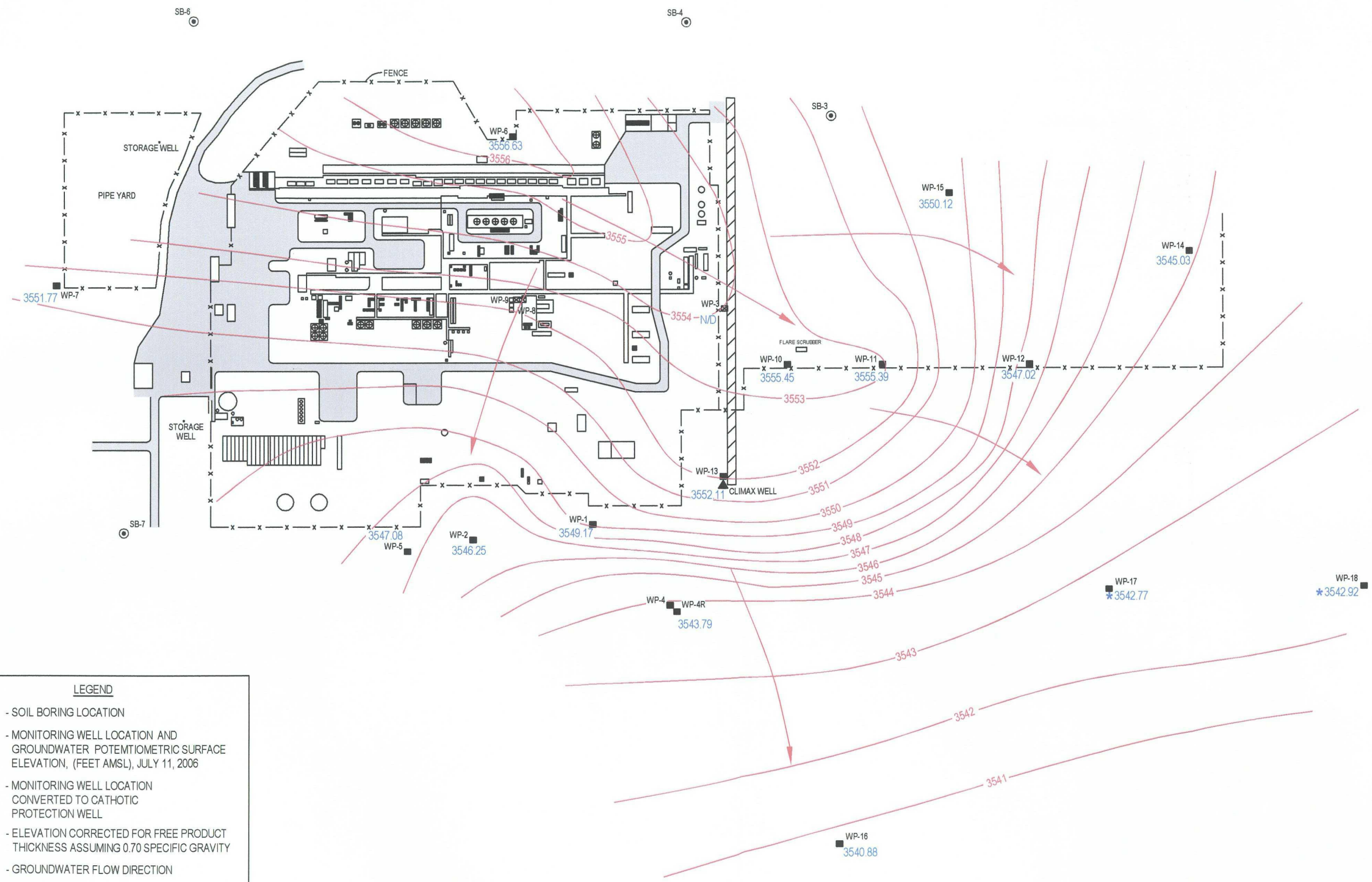
NAME: SJA

FILE: 2-0108

Larson & Associates, inc.
Environmental Consultants

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24



LEGEND

- SB-7 - SOIL BORING LOCATION
- WP-1 3549.17 - MONITORING WELL LOCATION AND GROUNDWATER POTEMTIOMETRIC SURFACE ELEVATION, (FEET AMSL), JULY 11, 2006
- WP-3 - MONITORING WELL LOCATION CONVERTED TO CATHOTIC PROTECTION WELL
- * - ELEVATION CORRECTED FOR FREE PRODUCT THICKNESS ASSUMING 0.70 SPECIFIC GRAVITY
- - GROUNDWATER FLOW DIRECTION
- 3550 - CONTOUR OF GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), JULY 11, 2006

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

FIGURE # 3

LEA COUNTY, NEW MEXICO

TARGA

MONUMENT GAS PLANT

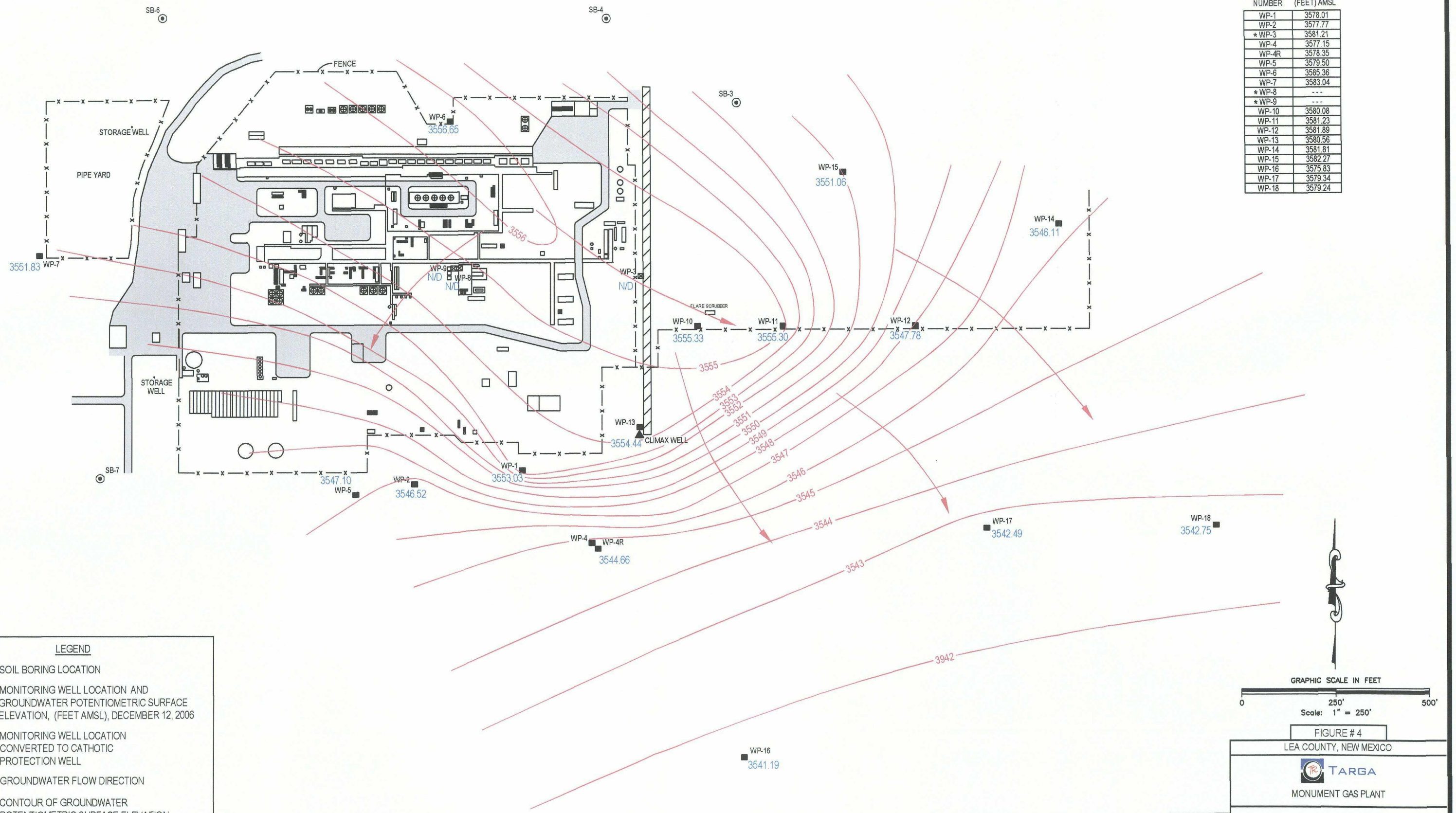
GROUNDWATER POTENTIOMETRIC SURFACE MAP
JULY 11, 2006

DATE	03-30-07
NAME:	SJA
FILE:	2-0108

Larson & Associates, inc.
Environmental Consultants

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24



LEGEND

- SB-7 ⊙ - SOIL BORING LOCATION
- WP-1 3553.03 ■ - MONITORING WELL LOCATION AND GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), DECEMBER 12, 2006
- WP-3 ⊠ - MONITORING WELL LOCATION CONVERTED TO CATHOTIC PROTECTION WELL
- → - GROUNDWATER FLOW DIRECTION
- 3550 - CONTOUR OF GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), DECEMBER 12, 2006

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

FIGURE # 4

LEA COUNTY, NEW MEXICO

TARGA

MONUMENT GAS PLANT

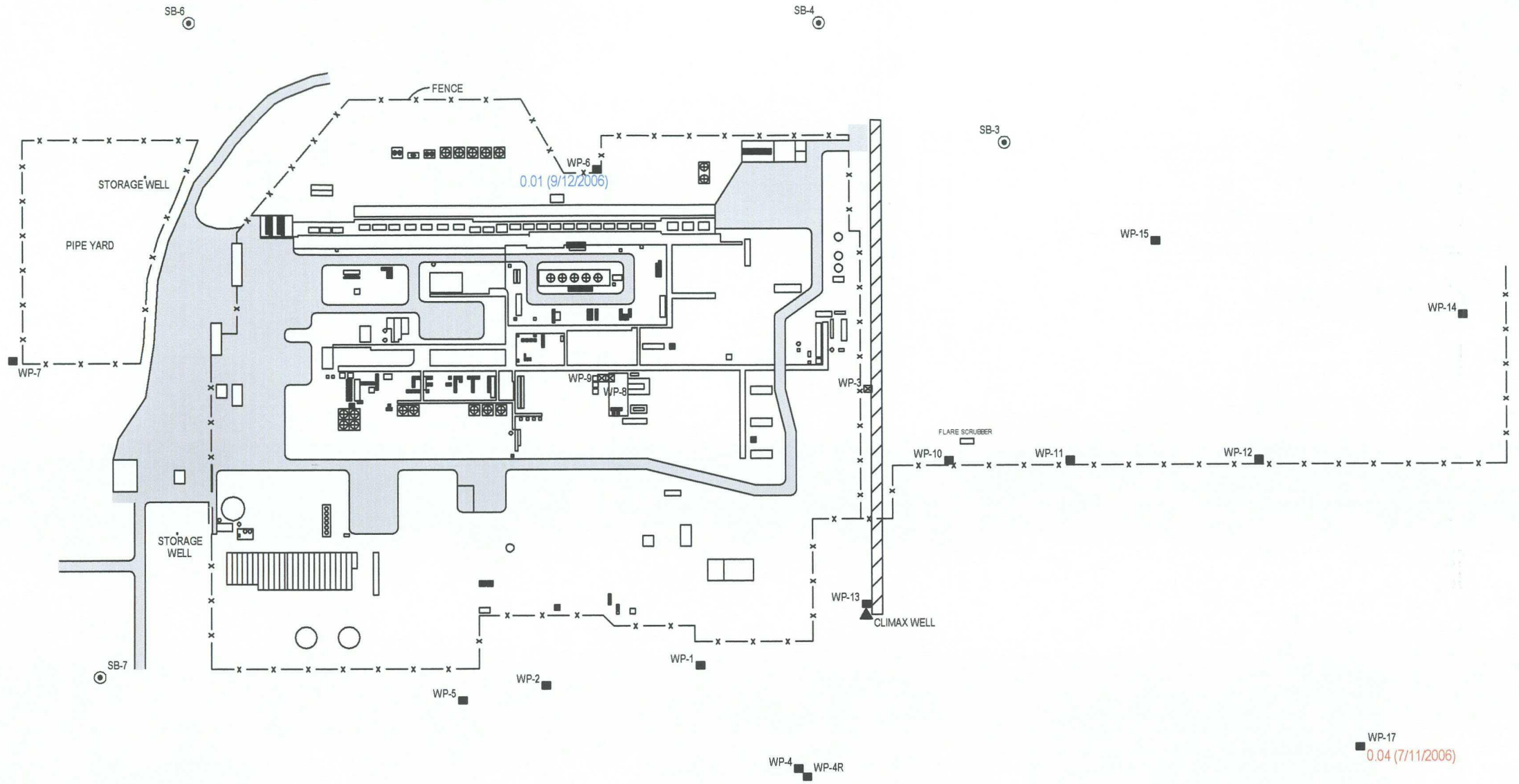
GROUNDWATER POTENTIOMETRIC SURFACE MAP
DECEMBER 12, 2006

DATE	03-30-07
NAME:	SJA
FILE:	2-0108

Larson & Associates, inc.
Environmental Consultants

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24



LEGEND

- SB-7 ⊙ - SOIL BORING LOCATION
- WP-17 ■ 0.04 - MONITORING WELL LOCATION AND HYDROCARBON PRODUCT THICKNESS, FEET, 03/28/2006 (GREEN), 07/11/2006 (RED), AND 09/12/2006 (BLUE)
- WP-3 ⊠ - MONITORING WELL LOCATION CONVERTED TO CATHOTIC PROTECTION WELL

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

FIGURE # 5

LEA COUNTY, NEW MEXICO

TARGA

MONUMENT GAS PLANT

HYDROCARBON PRODUCT THICKNESS MAP
MARCH 28, 2006, JULY 11, 2006
AND SEPTEMBER 12, 2006

DATE 04-10-07

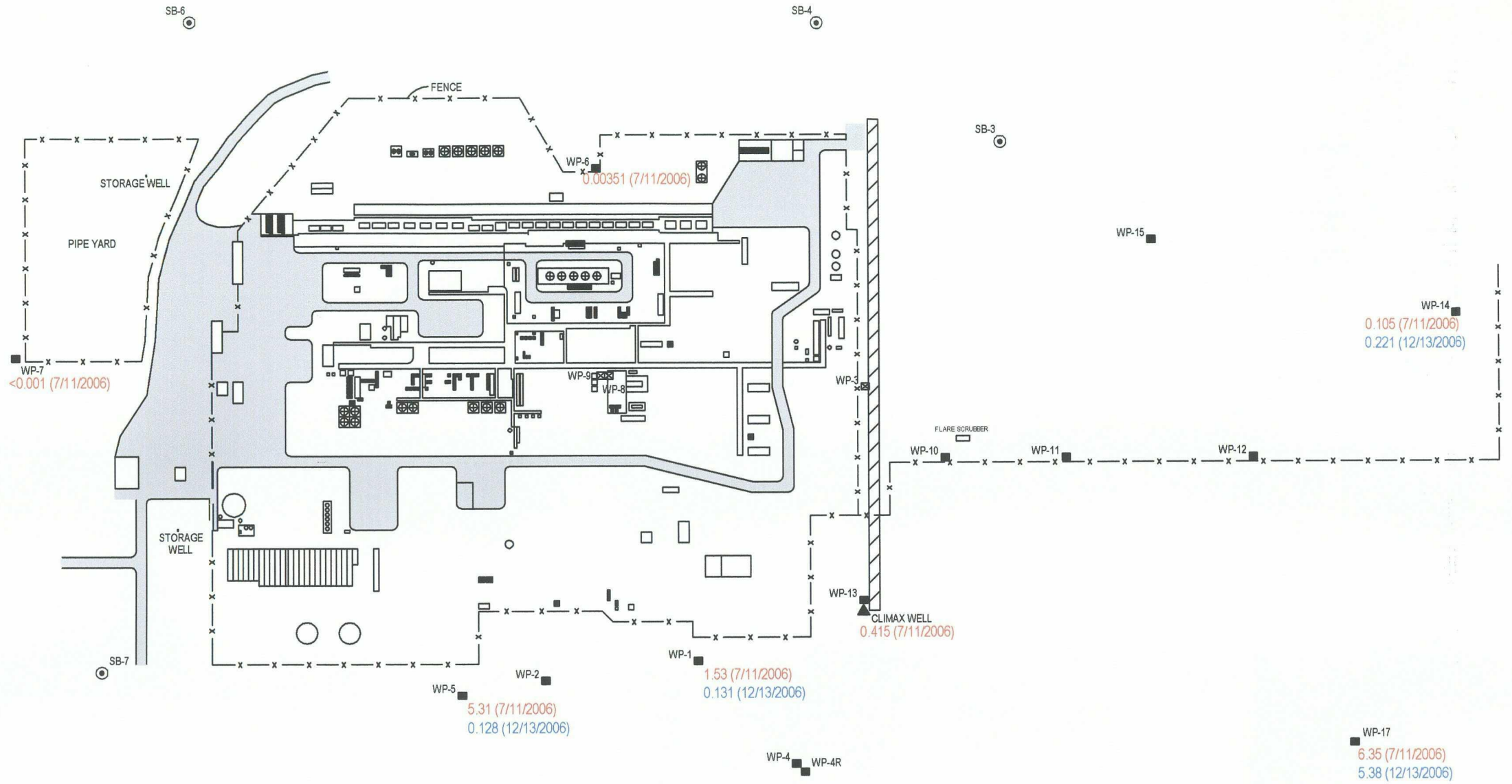
NAME: SJA

FILE: 2-0108

Larson & Associates, inc.
Environmental Consultants

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24



LEGEND

- SB-7 ⊙ - SOIL BORING LOCATION
- WP-1 1.53 ■ - MONITORING WELL LOCATION AND BENZENE CONCENTRATION IN GROUND WATER, MG/L, 07/11/2006 (RED) AND12/13/2006 (BLUE)
- WP-3 ⊠ - MONITORING WELL LOCATION CONVERTED TO CATHOTIC PROTECTION WELL
- N/S - NOT SAMPLED (HYDROCARBONS IN WELL)

NMWQCC HUMAN HEALTH STANDARD: 0.01 MG/L

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

FIGURE # 6

LEA COUNTY, NEW MEXICO

TARGA

MONUMENT GAS PLANT

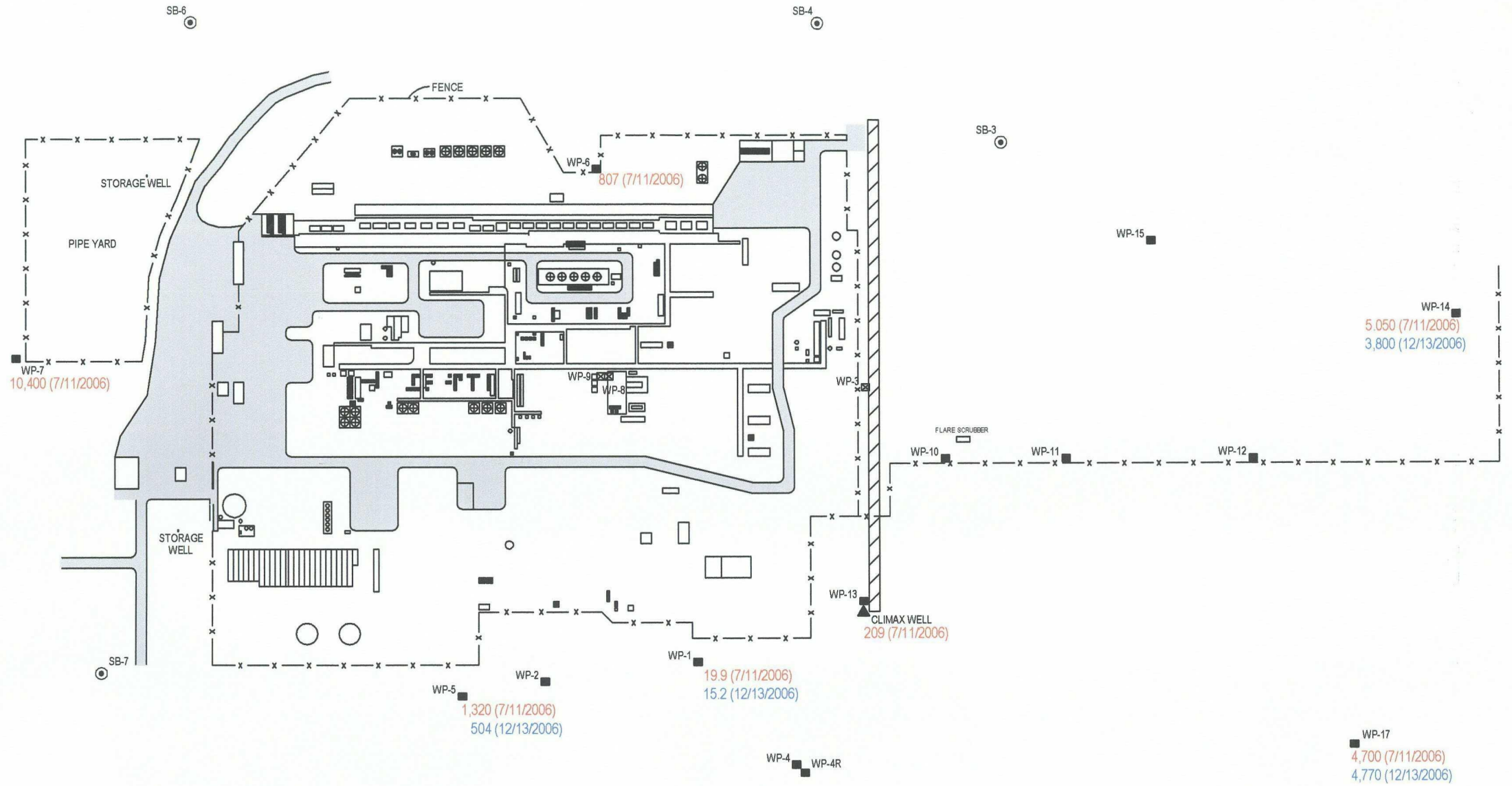
DISSOLVED BENZENE IN GROUND WATER
JULY 11, 2006 AND DECEMBER 12, 2006

DATE 04-10-07

NAME: SJA

FILE: 2-0108

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24

LEGEND

SB-7 ⊙ - SOIL BORING LOCATION

WP-1 19.9 ■ - MONITORING WELL LOCATION AND CHLORIDE CONCENTRATION IN GROUND WATER, MG/L, 07/11/2006 (RED) AND12/13/2006 (BLUE)

WP-3 ⊠ - MONITORING WELL LOCATION CONVERTED TO CATHOTIC PROTECTION WELL

N/S - NOT SAMPLED (HYDROCARBONS IN WELL)

NMWQCC DOMESTIC WATER QUALITY STANDARD: 250 MG/L

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

FIGURE # 7

LEA COUNTY, NEW MEXICO

TARGA

MONUMENT GAS PLANT

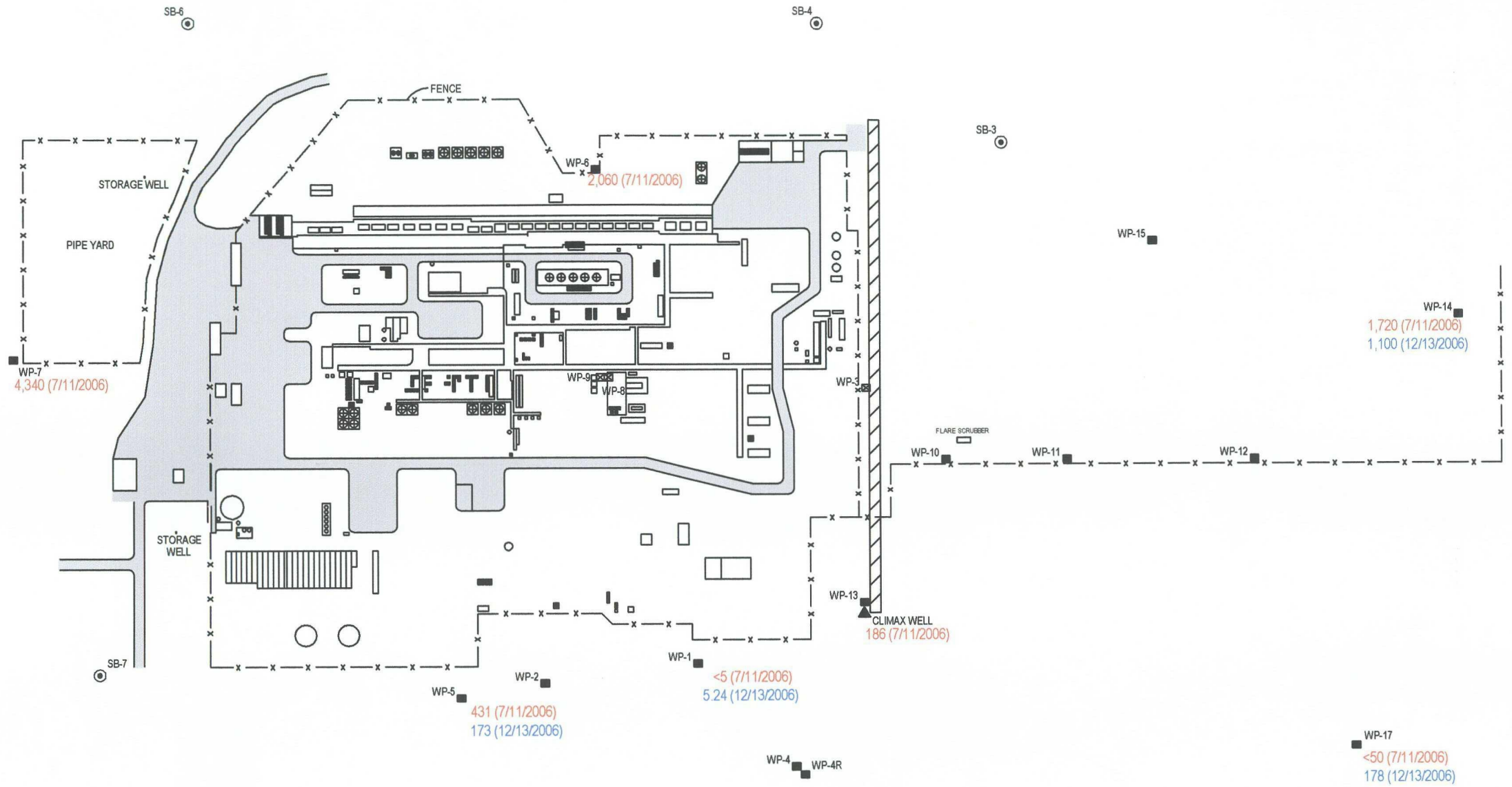
CHLORIDE CONCENTRATION IN GROUND WATER
JULY 11, 2006 AND DECEMBER 13, 2006

DATE 03-30-07

NAME: SJA

FILE: 2-0108

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24

LEGEND

SB-7 ⊙ - SOIL BORING LOCATION

WP-1 ■ <5 - MONITORING WELL LOCATION AND SULFATE CONCENTRATION IN GROUND WATER, MG/L, 07/11/2006 (RED) AND12/13/2006 (BLUE)

WP-3 ⊠ - MONITORING WELL LOCATION CONVERTED TO CATHOTIC PROTECTION WELL

N/S - NOT SAMPLED (HYDROCARBONS IN WELL)

NMWQCC DOMESTIC WATER QUALITY STANDARD: 600 MG/L

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

FIGURE # 8

LEA COUNTY, NEW MEXICO

TARGA

MONUMENT GAS PLANT

SULFATE CONCENTRATION IN GROUND WATER
JULY 11, 2006 AND DECEMBER 13, 2006

DATE 03-30-07

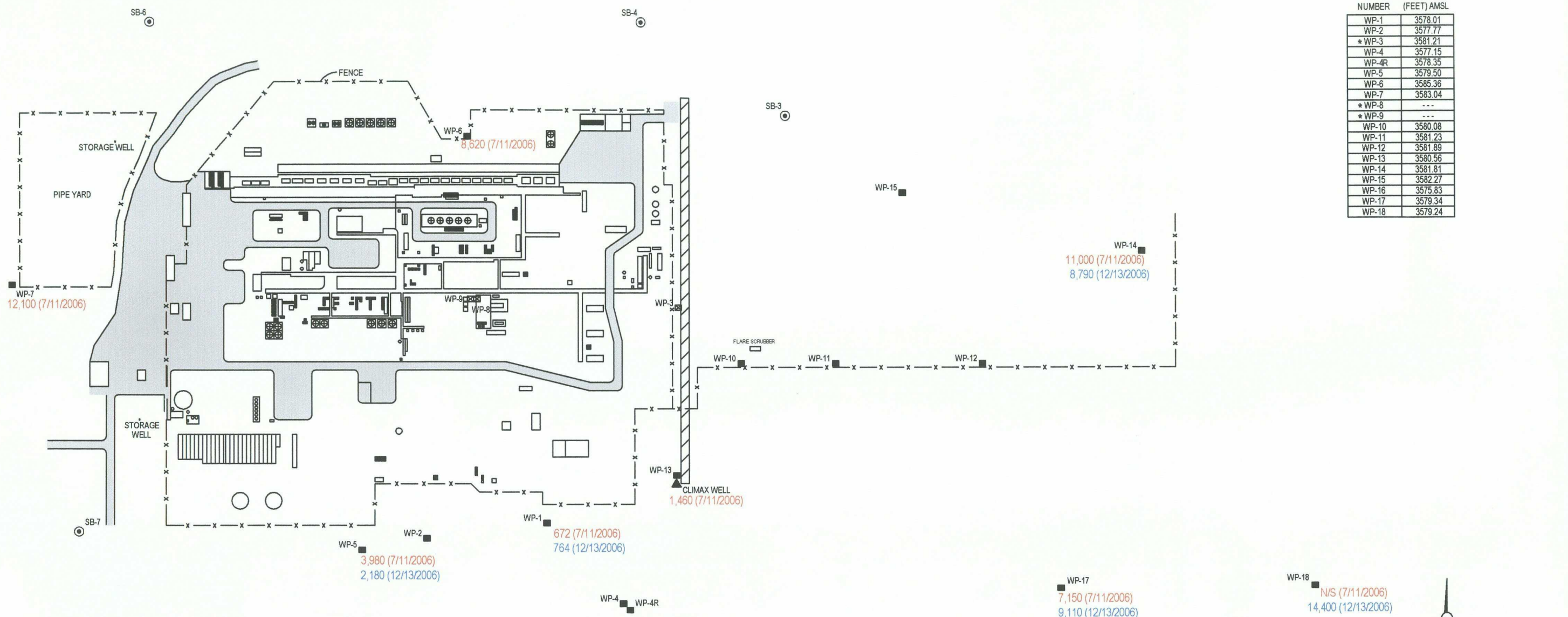
NAME: SJA

FILE: 2-0108

Larson & Associates, inc.
Environmental Consultants

MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL
WP-1	3578.01
WP-2	3577.77
* WP-3	3581.21
WP-4	3577.15
WP-4R	3578.35
WP-5	3579.50
WP-6	3585.36
WP-7	3583.04
* WP-8	---
* WP-9	---
WP-10	3580.08
WP-11	3581.23
WP-12	3581.89
WP-13	3580.56
WP-14	3581.81
WP-15	3582.27
WP-16	3575.83
WP-17	3579.34
WP-18	3579.24



LEGEND

- SB-7 ⊙ - SOIL BORING LOCATION
- WP-1 672 ■ - MONITORING WELL LOCATION AND TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUND WATER, MG/L, 07/11/2006 (RED) AND 12/13/2006 (BLUE)
- WP-3 ⊠ - MONITORING WELL LOCATION CONVERTED TO CATHOTIC PROTECTION WELL
- N/S - NOT SAMPLED (HYDROCARBONS IN WELL)

NMWQCC DOMESTIC WATER QUALITY STANDARD: 1000 MG/L

GRAPHIC SCALE IN FEET

0 250' 500'

Scale: 1" = 250'

FIGURE # 9

LEA COUNTY, NEW MEXICO

TARGA

MONUMENT GAS PLANT

TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUND WATER
JULY 11, 2006 AND DECEMBER 13, 2006

DATE 03-30-07

NAME: SJA

FILE: 2-0108

Larson & Associates, inc.
Environmental Consultants

APPENDIX A

Laboratory Reports

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Targa Midstream/ Monument GWM

Project Number: 2-0108

Location: None Given

Lab Order Number: 6G12009

Report Date: 07/25/06

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WP-16	6G12009-01	Water	07/11/06 10:25	07/12/06 12:51
WP-17	6G12009-02	Water	07/11/06 10:42	07/12/06 12:51
WP-1	6G12009-03	Water	07/11/06 12:01	07/12/06 12:51
WP-13	6G12009-04	Water	07/11/06 12:46	07/12/06 12:51
WP-14	6G12009-05	Water	07/11/06 13:32	07/12/06 12:51
WP-5	6G12009-06	Water	07/11/06 14:08	07/12/06 12:51
WP-7	6G12009-07	Water	07/11/06 14:45	07/12/06 12:51
WP-6	6G12009-08	Water	07/11/06 15:53	07/12/06 12:51
DUP	6G12009-09	Water	07/11/06 00:00	07/12/06 12:51

Larson & Associates, Inc.	Project: Targa Midstream/ Monument GWM	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 2-0108	
Midland TX, 79710	Project Manager: Mark Larson	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-16 (6G12009-01) Water									
Benzene	ND	0.00100	mg/L	1	EG61316	07/13/06	07/13/06	EPA 8021B	
Toluene	**J [0.000518]**	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.5 %*	*80-120*		"	"	"	"	
WP-17 (6G12009-02) Water									
Benzene	**6.35**	0.100	mg/L	100	EG61316	07/13/06	07/13/06	EPA 8021B	
Toluene	**J [0.0399]**	0.100	"	"	"	"	"	"	
Ethylbenzene	**0.794**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**0.214**	0.100	"	"	"	"	"	"	
Xylene (o)	ND	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*117 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*80-120*		"	"	"	"	
WP-1 (6G12009-03) Water									
Benzene	**1.53**	0.0100	mg/L	10	EG61316	07/13/06	07/13/06	EPA 8021B	
Toluene	**J [0.00297]**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.0331**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**0.0154**	0.0100	"	"	"	"	"	"	
Xylene (o)	ND	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*113 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.8 %*	*80-120*		"	"	"	"	
WP-13 (6G12009-04) Water									
Benzene	**0.415**	0.0100	mg/L	10	EG61316	07/13/06	07/13/06	EPA 8021B	
Toluene	**J [0.00553]**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.0551**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**0.0158**	0.0100	"	"	"	"	"	"	
Xylene (o)	**J [0.00443]**	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.0 %*	*80-120*		"	"	"	"	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-14 (6G12009-05) Water									
Benzene	**0.105**	0.00500	mg/L	5	EG61316	07/13/06	07/13/06	EPA 8021B	
Toluene	**J [0.00214]**	0.00500	"	"	"	"	"	"	
Ethylbenzene	**J [0.00426]**	0.00500	"	"	"	"	"	"	
Xylene (p/m)	**0.00690**	0.00500	"	"	"	"	"	"	
Xylene (o)	**J [0.00107]**	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		"	"	"	"	
WP-5 (6G12009-06) Water									
Benzene	**5.31**	0.0500	mg/L	50	EG61316	07/13/06	07/13/06	EPA 8021B	
Toluene	ND	0.0500	"	"	"	"	"	"	
Ethylbenzene	ND	0.0500	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0500	"	"	"	"	"	"	
Xylene (o)	ND	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*80-120*		"	"	"	"	
WP-7 (6G12009-07) Water									
Benzene	ND	0.00100	mg/L	1	EG61316	07/13/06	07/13/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.5 %*	*80-120*		"	"	"	"	
WP-6 (6G12009-08) Water									
Benzene	**0.00351**	0.00100	mg/L	1	EG61316	07/13/06	07/14/06	EPA 8021B	
Toluene	**0.00816**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00444**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.0122**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.00581**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*262 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*163 %*	*80-120*		"	"	"	"	*S-04*

Larson & Associates, Inc.	Project: Targa Midstream/ Monument GWM	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 2-0108	
Midland TX, 79710	Project Manager: Mark Larson	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DUP (6G12009-09) Water									
Benzene	**1.62**	0.0100	mg/L	10	EG61316	07/13/06	07/14/06	EPA 8021B	
Toluene	ND	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.0288**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0100	"	"	"	"	"	"	
Xylene (o)	ND	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*120 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.8 %*		*80-120*		"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-16 (6G12009-01) Water									
Total Alkalinity	**1410**	4.00	mg/L	2	EG61704	07/17/06	07/17/06	EPA 310.1M	
Chloride	**690**	25.0	"	50	EG62119	07/21/06	07/21/06	EPA 300.0	
Total Dissolved Solids	**2940**	5.00	"	1	EG61409	07/13/06	07/14/06	EPA 160.1	
Sulfate	**202**	25.0	"	50	EG62119	07/21/06	07/21/06	EPA 300.0	
WP-17 (6G12009-02) Water									
Total Alkalinity	**876**	4.00	mg/L	2	EG61704	07/17/06	07/17/06	EPA 310.1M	
Chloride	**4700**	100	"	200	EG62119	07/21/06	07/21/06	EPA 300.0	
Total Dissolved Solids	**7150**	5.00	"	1	EG61409	07/13/06	07/14/06	EPA 160.1	
Sulfate	ND	50.0	"	100	EG62119	07/21/06	07/21/06	EPA 300.0	
WP-1 (6G12009-03) Water									
Total Alkalinity	**604**	4.00	mg/L	2	EG61704	07/17/06	07/17/06	EPA 310.1M	
Chloride	**19.9**	5.00	"	10	EG62119	07/21/06	07/21/06	EPA 300.0	
Total Dissolved Solids	**672**	5.00	"	1	EG61409	07/13/06	07/14/06	EPA 160.1	
Sulfate	ND	5.00	"	10	EG62119	07/21/06	07/21/06	EPA 300.0	
WP-13 (6G12009-04) Water									
Total Alkalinity	**876**	4.00	mg/L	2	EG61704	07/17/06	07/17/06	EPA 310.1M	
Chloride	**209**	12.5	"	25	EG62119	07/21/06	07/21/06	EPA 300.0	
Total Dissolved Solids	**1460**	5.00	"	1	EG61409	07/13/06	07/14/06	EPA 160.1	
Sulfate	**186**	12.5	"	25	EG62119	07/21/06	07/21/06	EPA 300.0	
WP-14 (6G12009-05) Water									
Total Alkalinity	**1230**	4.00	mg/L	2	EG61704	07/17/06	07/17/06	EPA 310.1M	
Chloride	**5050**	100	"	200	EG62119	07/21/06	07/21/06	EPA 300.0	
Total Dissolved Solids	**11000**	5.00	"	1	EG61409	07/13/06	07/14/06	EPA 160.1	
Sulfate	**1720**	100	"	200	EG62119	07/21/06	07/21/06	EPA 300.0	
WP-5 (6G12009-06) Water									
Total Alkalinity	**578**	4.00	mg/L	2	EG61704	07/17/06	07/17/06	EPA 310.1M	
Chloride	**1320**	25.0	"	50	EG62119	07/21/06	07/21/06	EPA 300.0	
Total Dissolved Solids	**3980**	5.00	"	1	EG61409	07/13/06	07/14/06	EPA 160.1	
Sulfate	**431**	25.0	"	50	EG62119	07/21/06	07/21/06	EPA 300.0	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-7 (6G12009-07) Water									
Total Alkalinity	**456**	4.00	mg/L	2	EG61704	07/17/06	07/17/06	EPA 310.1M	
Chloride	**10400**	250	"	500	EG62119	07/21/06	07/21/06	EPA 300.0	
Total Dissolved Solids	**12100**	5.00	"	1	EG61409	07/13/06	07/14/06	EPA 160.1	
Sulfate	**4340**	250	"	500	EG62119	07/21/06	07/21/06	EPA 300.0	
WP-6 (6G12009-08) Water									
Total Alkalinity	**588**	4.00	mg/L	2	EG61704	07/17/06	07/17/06	EPA 310.1M	
Chloride	**807**	25.0	"	50	EG62119	07/21/06	07/21/06	EPA 300.0	
Total Dissolved Solids	**8620**	5.00	"	1	EG61409	07/13/06	07/14/06	EPA 160.1	
Sulfate	**2060**	25.0	"	50	EG62119	07/21/06	07/21/06	EPA 300.0	
DUP (6G12009-09) Water									
Total Alkalinity	**576**	4.00	mg/L	2	EG61704	07/17/06	07/17/06	EPA 310.1M	
Chloride	**20.1**	5.00	"	10	EG62119	07/21/06	07/21/06	EPA 300.0	
Total Dissolved Solids	**654**	5.00	"	1	EG61409	07/13/06	07/14/06	EPA 160.1	
Sulfate	ND	5.00	"	10	EG62119	07/21/06	07/21/06	EPA 300.0	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-16 (6G12009-01) Water									
Calcium	**11.3**	0.100	mg/L	10	EG61907	07/19/06	07/19/06	EPA 6010B	
Magnesium	**12.4**	0.0100	"	"	"	"	"	"	
Potassium	**7.85**	0.500	"	"	"	"	"	"	
Sodium	**1070**	5.00	"	500	"	"	"	"	
Mercury	**J [0.000140]**	0.000250	"	1	EG61314	07/13/06	07/13/06	EPA 7470A	J
Chromium	ND	0.0174	"	25	EG61810	07/13/06	07/18/06	EPA 6020A	
Arsenic	**ND**	0.0426	"	"	"	"	"	"	
Selenium	ND	0.0751	"	"	"	"	"	"	
Silver	ND	0.0101	"	"	"	"	"	"	
Cadmium	ND	0.0173	"	"	"	"	"	"	
Barium	**0.0735**	0.0122	"	"	"	"	"	"	
Lead	ND	0.00740	"	"	"	"	"	"	
WP-16 (6G12009-01RE1) Water									
Chromium	ND	0.0174	mg/L	25	EG62107	07/13/06	07/21/06	EPA 6020A	
Arsenic	ND	0.0426	"	"	"	"	"	"	
Selenium	ND	0.0751	"	"	"	"	"	"	
Silver	ND	0.0101	"	"	"	"	"	"	
Cadmium	ND	0.0173	"	"	"	"	"	"	
Barium	**0.0735**	0.0122	"	"	"	"	"	"	
Lead	ND	0.00740	"	"	"	"	"	"	
WP-17 (6G12009-02) Water									
Calcium	**244**	0.500	mg/L	50	EG61907	07/19/06	07/19/06	EPA 6010B	
Magnesium	**324**	0.0500	"	"	"	"	"	"	
Potassium	**19.1**	2.50	"	"	"	"	"	"	
Sodium	**2170**	5.00	"	500	"	"	"	"	
Mercury	ND	0.000250	"	1	EG61314	07/13/06	07/13/06	EPA 7470A	
Chromium	ND	0.0698	"	100	EG62107	07/13/06	07/21/06	EPA 6020A	
Arsenic	**J [0.0991]**	0.170	"	"	"	"	"	"	J
Selenium	**J [0.290]**	0.300	"	"	"	"	"	"	J
Silver	ND	0.0405	"	"	"	"	"	"	
Cadmium	ND	0.0692	"	"	"	"	"	"	
Barium	**82.9**	0.0489	"	"	"	"	"	"	
Lead	ND	0.0296	"	"	"	"	"	"	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-1 (6G12009-03) Water									
Calcium	**61.1**	0.100	mg/L	10	EG61907	07/19/06	07/19/06	EPA 6010B	
Magnesium	**37.8**	0.0100	"	"	"	"	"	"	
Potassium	**4.51**	0.500	"	"	"	"	"	"	
Sodium	**101**	0.500	"	50	"	"	"	"	
Mercury	**J [0.000210]**	0.000250	"	1	EG61314	07/13/06	07/13/06	EPA 7470A	J
Chromium	ND	0.0174	"	25	EG61810	07/13/06	07/18/06	EPA 6020A	
Arsenic	**J [0.0354]**	0.0426	"	"	"	"	"	"	J
Selenium	ND	0.0751	"	"	"	"	"	"	
Silver	ND	0.0101	"	"	"	"	"	"	
Cadmium	ND	0.0173	"	"	"	"	"	"	
Barium	**2.02**	0.0122	"	"	"	"	"	"	
Lead	ND	0.00740	"	"	"	"	"	"	
WP-13 (6G12009-04) Water									
Calcium	**70.0**	0.100	mg/L	10	EG61907	07/19/06	07/19/06	EPA 6010B	
Magnesium	**74.4**	0.0500	"	50	"	"	"	"	
Potassium	**6.14**	0.500	"	10	"	"	"	"	
Sodium	**338**	0.500	"	50	"	"	"	"	
Mercury	**J [0.000180]**	0.000250	"	1	EG61314	07/13/06	07/13/06	EPA 7470A	J
Chromium	ND	0.0174	"	25	EG61810	07/13/06	07/18/06	EPA 6020A	
Arsenic	**ND**	0.0426	"	"	"	"	"	"	
Selenium	ND	0.0751	"	"	"	"	"	"	
Silver	ND	0.0101	"	"	"	"	"	"	
Cadmium	ND	0.0173	"	"	"	"	"	"	
Barium	**0.302**	0.0122	"	"	"	"	"	"	
Lead	ND	0.00740	"	"	"	"	"	"	
WP-14 (6G12009-05) Water									
Calcium	**250**	0.500	mg/L	50	EG61907	07/19/06	07/19/06	EPA 6010B	
Magnesium	**144**	0.0500	"	"	"	"	"	"	
Potassium	**51.3**	2.50	"	"	"	"	"	"	
Sodium	**3530**	5.00	"	500	"	"	"	"	
Mercury	**J [0.000110]**	0.000250	"	1	EG61314	07/13/06	07/13/06	EPA 7470A	J
Chromium	ND	0.0174	"	25	EG61810	07/13/06	07/18/06	EPA 6020A	
Arsenic	**ND**	0.0426	"	"	"	"	"	"	
Selenium	ND	0.0751	"	"	"	"	"	"	
Silver	ND	0.0101	"	"	"	"	"	"	
Cadmium	ND	0.0173	"	"	"	"	"	"	

Larson & Associates, Inc.	Project: Targa Midstream/ Monument GWM	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 2-0108	
Midland TX, 79710	Project Manager: Mark Larson	

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-14 (6G12009-05) Water									
Barium	**0.107**	0.0122	mg/L	25	EG61810	07/13/06	07/18/06	EPA 6020A	
Lead	ND	0.00740	"	"	"	"	"	"	
WP-5 (6G12009-06) Water									
Calcium	**17.8**	0.100	mg/L	10	EG61907	07/19/06	07/19/06	EPA 6010B	
Magnesium	**18.5**	0.0100	"	"	"	"	"	"	
Potassium	**31.7**	0.500	"	"	"	"	"	"	
Sodium	**1570**	5.00	"	500	"	"	"	"	
Mercury	**J [0.000140]**	0.000250	"	1	EG61314	07/13/06	07/13/06	EPA 7470A	J
Chromium	ND	0.0174	"	25	EG61810	07/13/06	07/18/06	EPA 6020A	
Arsenic	**ND**	0.0426	"	"	"	"	"	"	
Selenium	ND	0.0751	"	"	"	"	"	"	
Silver	ND	0.0101	"	"	"	"	"	"	
Cadmium	ND	0.0173	"	"	"	"	"	"	
Barium	**0.0755**	0.0122	"	"	"	"	"	"	
Lead	ND	0.00740	"	"	"	"	"	"	
WP-7 (6G12009-07) Water									
Calcium	**661**	1.00	mg/L	100	EG61907	07/19/06	07/19/06	EPA 6010B	
Magnesium	**242**	0.100	"	"	"	"	"	"	
Potassium	**223**	5.00	"	"	"	"	"	"	
Sodium	**8320**	25.0	"	2500	"	"	"	"	
Mercury	**J [0.000120]**	0.000250	"	1	EG61314	07/13/06	07/13/06	EPA 7470A	J
Chromium	ND	0.0174	"	25	EG61810	07/13/06	07/18/06	EPA 6020A	
Arsenic	**J [0.0161]**	0.0426	"	"	"	"	"	"	J
Selenium	ND	0.0751	"	"	"	"	"	"	
Silver	ND	0.0101	"	"	"	"	"	"	
Cadmium	ND	0.0173	"	"	"	"	"	"	
Barium	**0.0315**	0.0122	"	"	"	"	"	"	
Lead	ND	0.00740	"	"	"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-6 (6G12009-08) Water									
Calcium	**381**	0.500	mg/L	50	EG61907	07/19/06	07/19/06	EPA 6010B	
Magnesium	**181**	0.0500	"	"	"	"	"	"	
Potassium	**22.2**	0.500	"	10	"	"	"	"	
Sodium	**777**	5.00	"	500	"	"	"	"	
Mercury	**J [0.000170]**	0.000250	"	1	EG61314	07/13/06	07/13/06	EPA 7470A	J
Chromium	ND	0.0174	"	25	EG61810	07/13/06	07/18/06	EPA 6020A	
Arsenic	**ND**	0.0426	"	"	"	"	"	"	
Selenium	ND	0.0751	"	"	"	"	"	"	
Silver	ND	0.0101	"	"	"	"	"	"	
Cadmium	ND	0.0173	"	"	"	"	"	"	
Barium	**0.101**	0.0122	"	"	"	"	"	"	
Lead	ND	0.00740	"	"	"	"	"	"	
DUP (6G12009-09) Water									
Calcium	**44.7**	0.100	mg/L	10	EG61907	07/19/06	07/19/06	EPA 6010B	
Magnesium	**37.7**	0.0100	"	"	"	"	"	"	
Potassium	**3.92**	0.500	"	"	"	"	"	"	
Sodium	**91.0**	0.500	"	50	"	"	"	"	
Mercury	**0.000260**	0.000250	"	1	EG61314	07/13/06	07/13/06	EPA 7470A	
Chromium	ND	0.0174	"	25	EG61810	07/13/06	07/18/06	EPA 6020A	
Arsenic	**J [0.0265]**	0.0426	"	"	"	"	"	"	J
Selenium	ND	0.0751	"	"	"	"	"	"	
Silver	ND	0.0101	"	"	"	"	"	"	
Cadmium	ND	0.0173	"	"	"	"	"	"	
Barium	**2.08**	0.0122	"	"	"	"	"	"	
Lead	ND	0.00740	"	"	"	"	"	"	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG61316 - EPA 5030C (GC)										
Blank (EG61316-BLK1)				Prepared & Analyzed: 07/13/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*38.5*		*ug/l*	*40.0*		*96.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.6*		*"*	*40.0*		*81.5*	*80-120*			
LCS (EG61316-BS1)				Prepared & Analyzed: 07/13/06						
Benzene	0.0497	0.00100	mg/L	0.0500		99.4	80-120			
Toluene	0.0562	0.00100	"	0.0500		112	80-120			
Ethylbenzene	0.0540	0.00100	"	0.0500		108	80-120			
Xylene (p/m)	0.117	0.00100	"	0.100		117	80-120			
Xylene (o)	0.0589	0.00100	"	0.0500		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.8*		*ug/l*	*40.0*		*87.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.4*		*"*	*40.0*		*88.5*	*80-120*			
Calibration Check (EG61316-CCV1)				Prepared: 07/13/06 Analyzed: 07/14/06						
Benzene	0.0596		mg/L	0.0500		119	80-120			
Toluene	0.0568		"	0.0500		114	80-120			
Ethylbenzene	0.0560		"	0.0500		112	80-120			
Xylene (p/m)	0.113		"	0.100		113	80-120			
Xylene (o)	0.0545		"	0.0500		109	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.2*		*ug/l*	*40.0*		*98.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.1*		*"*	*40.0*		*82.8*	*80-120*			
Matrix Spike (EG61316-MS1)	**Source: 6G12009-01**			Prepared: 07/13/06 Analyzed: 07/14/06						
Benzene	0.0516	0.00100	mg/L	0.0500	ND	103	80-120			
Toluene	0.0534	0.00100	"	0.0500	0.000518	106	80-120			
Ethylbenzene	0.0495	0.00100	"	0.0500	ND	99.0	80-120			
Xylene (p/m)	0.104	0.00100	"	0.100	ND	104	80-120			
Xylene (o)	0.0512	0.00100	"	0.0500	ND	102	80-120			
Surrogate: a,a,a-Trifluorotoluene	*46.1*		*ug/l*	*40.0*		*115*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.5*		*"*	*40.0*		*88.8*	*80-120*			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG61316 - EPA 5030C (GC)										
Matrix Spike Dup (EG61316-MSD1)	**Source: 6G12009-01**			Prepared: 07/13/06 Analyzed: 07/14/06						
Benzene	0.0428	0.00100	mg/L	0.0500	ND	85.6	80-120	18.5	20	
Toluene	0.0439	0.00100	"	0.0500	0.000518	86.8	80-120	19.9	20	
Ethylbenzene	0.0488	0.00100	"	0.0500	ND	97.6	80-120	1.42	20	
Xylene (p/m)	0.0898	0.00100	"	0.100	ND	89.8	80-120	14.7	20	
Xylene (o)	0.0427	0.00100	"	0.0500	ND	85.4	80-120	17.7	20	
Surrogate: a,a,a-Trifluorotoluene	*36.4*		*ug/l*	*40.0*		*91.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.2*		*"*	*40.0*		*80.5*	*80-120*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG61409 - Filtration Preparation										
Blank (EG61409-BLK1)				Prepared: 07/13/06 Analyzed: 07/14/06						
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EG61409-DUP1)	**Source: 6G12009-01**			Prepared: 07/13/06 Analyzed: 07/14/06						
Total Dissolved Solids	2920	5.00	mg/L		2940			0.683	5	
Batch EG61704 - General Preparation (WetChem)										
Blank (EG61704-BLK1)				Prepared & Analyzed: 07/17/06						
Total Alkalinity	ND	2.00	mg/L							
LCS (EG61704-BS1)				Prepared & Analyzed: 07/17/06						
Bicarbonate Alkalinity	224	2.00	mg/L	200		112	85-115			
Duplicate (EG61704-DUP1)	**Source: 6G14001-01**			Prepared & Analyzed: 07/17/06						
Total Alkalinity	262	2.00	mg/L		260			0.766	20	
Reference (EG61704-SRM1)				Prepared & Analyzed: 07/17/06						
Total Alkalinity	82.0		mg/L	82.7		99.2	90-110			
Batch EG62119 - General Preparation (WetChem)										
Blank (EG62119-BLK1)				Prepared & Analyzed: 07/21/06						
Sulfate	ND	0.500	mg/L							
Chloride	0.0870	0.500	"							J
LCS (EG62119-BS1)				Prepared & Analyzed: 07/21/06						
Sulfate	12.2	0.500	mg/L	10.0		122	80-120			S-07
Chloride	10.4	0.500	"	10.0		104	80-120			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG62119 - General Preparation (WetChem)										
Calibration Check (EG62119-CCV1)				Prepared & Analyzed: 07/21/06						
Sulfate	10.4		mg/L	10.0		104	80-120			
Chloride	10.0		"	10.0		100	80-120			
Duplicate (EG62119-DUP1)		**Source: 6G12009-01**		Prepared & Analyzed: 07/21/06						
Chloride	696	25.0	mg/L		690			0.866	20	
Sulfate	208	25.0	"		202			2.93	20	
Matrix Spike (EG62119-MS1)		**Source: 6G12009-01**		Prepared & Analyzed: 07/21/06						
Chloride	1240	25.0	mg/L	500	690	110	80-120			
Sulfate	732	25.0	"	500	202	106	75-125			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG61314 - EPA 7470A										
Blank (EG61314-BLK1)				Prepared & Analyzed: 07/13/06						
Mercury	ND	0.000250	mg/L							
LCS (EG61314-BS1)				Prepared & Analyzed: 07/13/06						
Mercury	0.00104	0.000250	mg/L	0.00100		104	85-115			
LCS Dup (EG61314-BSD1)				Prepared & Analyzed: 07/13/06						
Mercury	0.000910	0.000250	mg/L	0.00100		91.0	85-115	13.3	20	
Calibration Check (EG61314-CCV1)				Prepared & Analyzed: 07/13/06						
Mercury	0.00107		mg/L	0.00100		107	90-110			
Matrix Spike (EG61314-MS1)		**Source: 6G12009-01**		Prepared & Analyzed: 07/13/06						
Mercury	0.00116	0.000250	mg/L	0.00100	0.000140	102	75-125			
Batch EG61810 - EPA 3005A										
Blank (EG61810-BLK1)				Prepared & Analyzed: 07/18/06						
Chromium	ND	0.000698	mg/L							
Arsenic	ND	0.00170	"							
Selenium	ND	0.00300	"							
Silver	ND	0.000405	"							
Cadmium	ND	0.000692	"							
Barium	ND	0.000489	"							
Lead	ND	0.000296	"							
LCS (EG61810-BS1)				Prepared & Analyzed: 07/18/06						
Chromium	0.188	0.000698	mg/L	0.200		94.0	85-115			
Arsenic	0.701	0.00170	"	0.800		87.6	85-115			
Selenium	0.401	0.00300	"	0.400		100	85-115			
Silver	0.0988	0.000405	"	0.100		98.8	85-115			
Cadmium	0.195	0.000692	"	0.200		97.5	85-115			
Barium	0.211	0.000489	"	0.200		106	85-115			
Lead	0.949	0.000296	"	1.10		86.3	85-115			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG61810 - EPA 3005A										
LCS Dup (EG61810-BSD1)				Prepared & Analyzed: 07/18/06						
Chromium	0.190	0.000698	mg/L	0.200		95.0	85-115	1.06	20	
Arsenic	0.694	0.00170	"	0.800		86.8	85-115	1.00	20	
Selenium	0.397	0.00300	"	0.400		99.2	85-115	1.00	20	
Silver	0.0993	0.000405	"	0.100		99.3	85-115	0.505	20	
Cadmium	0.195	0.000692	"	0.200		97.5	85-115	0.00	20	
Barium	0.212	0.000489	"	0.200		106	85-115	0.473	20	
Lead	0.954	0.000296	"	1.10		86.7	85-115	0.525	20	
Calibration Check (EG61810-CCV1)				Prepared & Analyzed: 07/18/06						
Chromium	0.0506		mg/L	0.0500		101	90-110			
Arsenic	0.0492		"	0.0500		98.4	90-110			
Selenium	0.0485		"	0.0500		97.0	90-110			
Silver	0.0528		"	0.0500		106	90-110			
Cadmium	0.0515		"	0.0500		103	90-110			
Barium	0.0523		"	0.0500		105	90-110			
Lead	0.0512		"	0.0500		102	90-110			
Matrix Spike (EG61810-MS1)	**Source: 6G12009-01**			Prepared & Analyzed: 07/18/06						
Chromium	0.152	0.0174	mg/L	0.200	ND	76.0	75-125			
Arsenic	0.750	0.0426	"	0.800	ND	93.8	75-125			
Selenium	0.351	0.0751	"	0.400	ND	87.8	75-125			
Silver	0.117	0.0101	"	0.100	ND	117	75-125			
Cadmium	0.166	0.0173	"	0.200	ND	83.0	75-125			
Barium	0.246	0.0122	"	0.200	0.0735	86.2	75-125			
Lead	0.909	0.00740	"	1.10	ND	82.6	75-125			
Matrix Spike Dup (EG61810-MSD1)	**Source: 6G12009-01**			Prepared & Analyzed: 07/18/06						
Chromium	0.156	0.0174	mg/L	0.200	ND	78.0	75-125	2.60	20	
Arsenic	0.747	0.0426	"	0.800	ND	93.4	75-125	0.401	20	
Selenium	0.358	0.0751	"	0.400	ND	89.5	75-125	1.97	20	
Silver	0.116	0.0101	"	0.100	ND	116	75-125	0.858	20	
Cadmium	0.165	0.0173	"	0.200	ND	82.5	75-125	0.604	20	
Barium	0.247	0.0122	"	0.200	0.0735	86.8	75-125	0.406	20	
Lead	0.913	0.00740	"	1.10	ND	83.0	75-125	0.439	20	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG61907 - 6010B/No Digestion										
Blank (EG61907-BLK1)				Prepared & Analyzed: 07/19/06						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (EG61907-CCV1)				Prepared & Analyzed: 07/19/06						
Calcium	2.05		mg/L	2.00		102	85-115			
Magnesium	2.15		"	2.00		108	85-115			
Potassium	1.87		"	2.00		93.5	85-115			
Sodium	1.95		"	2.00		97.5	85-115			
Duplicate (EG61907-DUP1)	**Source: 6G12009-01**			Prepared & Analyzed: 07/19/06						
Calcium	13.4	0.100	mg/L		11.3			17.0	20	
Magnesium	12.6	0.0100	"		12.4			1.60	20	
Potassium	8.01	0.500	"		7.85			2.02	20	
Sodium	1030	5.00	"		1070			3.81	20	
Batch EG62107 - EPA 3005A										
Blank (EG62107-BLK1)				Prepared: 07/13/06 Analyzed: 07/21/06						
Chromium	ND	0.000698	mg/L							
Arsenic	ND	0.00170	"							
Selenium	ND	0.00300	"							
Silver	ND	0.000405	"							
Cadmium	ND	0.000692	"							
Barium	ND	0.000489	"							
Lead	ND	0.000296	"							

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG62107 - EPA 3005A										
LCS (EG62107-BS1)				Prepared: 07/13/06 Analyzed: 07/21/06						
Chromium	0.194	0.000698	mg/L	0.200		97.0	85-115			
Arsenic	0.694	0.00170	"	0.800		86.8	85-115			
Selenium	0.389	0.00300	"	0.400		97.2	85-115			
Silver	0.0986	0.000405	"	0.100		98.6	85-115			
Cadmium	0.198	0.000692	"	0.200		99.0	85-115			
Barium	0.222	0.000489	"	0.200		111	85-115			
Lead	0.966	0.000296	"	1.10		87.8	85-115			
LCS Dup (EG62107-BSD1)				Prepared: 07/13/06 Analyzed: 07/21/06						
Chromium	0.192	0.000698	mg/L	0.200		96.0	85-115	1.04	20	
Arsenic	0.695	0.00170	"	0.800		86.9	85-115	0.144	20	
Selenium	0.386	0.00300	"	0.400		96.5	85-115	0.774	20	
Silver	0.0971	0.000405	"	0.100		97.1	85-115	1.53	20	
Cadmium	0.196	0.000692	"	0.200		98.0	85-115	1.02	20	
Barium	0.226	0.000489	"	0.200		113	85-115	1.79	20	
Lead	0.964	0.000296	"	1.10		87.6	85-115	0.207	20	
Calibration Check (EG62107-CCV1)				Prepared: 07/13/06 Analyzed: 07/21/06						
Chromium	0.0491		mg/L	0.0500		98.2	90-110			
Arsenic	0.0504		"	0.0500		101	90-110			
Selenium	0.0501		"	0.0500		100	90-110			
Silver	0.0505		"	0.0500		101	90-110			
Cadmium	0.0503		"	0.0500		101	90-110			
Barium	0.0531		"	0.0500		106	90-110			
Lead	0.0509		"	0.0500		102	90-110			
Matrix Spike (EG62107-MS1)		**Source: 6G12009-01RE1**		Prepared: 07/13/06 Analyzed: 07/21/06						
Chromium	0.146	0.0174	mg/L	0.200	ND	73.0	75-125			MS-3
Arsenic	0.638	0.0426	"	0.800	ND	79.8	75-125			
Selenium	0.319	0.0751	"	0.400	ND	79.8	75-125			
Silver	0.0575	0.0101	"	0.100	ND	57.5	75-125			MS-1
Cadmium	0.157	0.0173	"	0.200	ND	78.5	75-125			
Barium	0.239	0.0122	"	0.200	0.0735	82.8	75-125			
Lead	0.871	0.00740	"	1.10	ND	79.2	75-125			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG62107 - EPA 3005A										
Matrix Spike Dup (EG62107-MSD1)		**Source: 6G12009-01RE1**		Prepared: 07/13/06	Analyzed: 07/21/06					
Chromium	0.144	0.0174	mg/L	0.200	ND	72.0	75-125	1.38	20	MS-3
Arsenic	0.635	0.0426	"	0.800	ND	79.4	75-125	0.471	20	
Selenium	0.324	0.0751	"	0.400	ND	81.0	75-125	1.56	20	
Silver	0.0570	0.0101	"	0.100	ND	57.0	75-125	0.873	20	MS-1
Cadmium	0.157	0.0173	"	0.200	ND	78.5	75-125	0.00	20	
Barium	0.235	0.0122	"	0.200	0.0735	80.8	75-125	1.69	20	
Lead	0.868	0.00740	"	1.10	ND	78.9	75-125	0.345	20	
Post Spike (EG62107-PS1)		**Source: 6G12009-01RE1**		Prepared: 07/13/06	Analyzed: 07/21/06					
Chromium	24.3	0.0872	mg/L	25.0	ND	97.2	85-115			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

S-07	Recovery outside Laboratory historical or method prescribed limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
MS-3	Matrix spike and/or matrix spike duplicate outside 75-125% limits. Serial dilution (x5) outside 10% RPD limits. Post spike for the serial dilution sample was within 75-125% recovery, therefore data accepted based on method requirements.
MS-1	Recovery of sample outside of historical limits due to matrix interference.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 7/25/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc. Environmental Consultants
507 N. Marienfeld, Ste. 202 • Midland, TX 79701
Fax: 432-687-0456
432-687-0901

CLIENT NAME: TARGA Resources
SITE MANAGER: MARK LARSON
PROJECT NO.: 2-0108
PROJECT NAME: Monument GWM
PAGE 1 OF 1
LAB. PO #

PARAMETERS/METHOD NUMBER

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	BTEX	CATIONS	ANIONS	TDS	SULFATE	TOTAL METALS	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
7/11	1025	X			WP-16	4	X	X	X	X	X	X	0612009-01	(1)-L HDPE neat
	1092				WP-17								-02	(1)-500mL HDPE w/HNO3 each
	1201				WP-1								-03	(2)-40 mL Glass w/HCl
	1246				WP-13								-04	
	1332				WP-14								-05	
	1408				WP-5								-06	
	1445				WP-7								-07	
	1553				WP-6								-08	
													-09	
↓		↓			DUP1	↓	↓	↓	↓	↓	↓	↓	-09 TB	

SAMPLED BY: (Signature) DATE: 7/11/06 TIME: 1415
RELINQUISHED BY: (Signature) DATE: 7/12 TIME: 1251
RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: TIME:
RECEIVED BY: (Signature) DATE: TIME:
SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS: 4.0°C w/labels no seals
TURNAROUND TIME NEEDED

RECEIVING LABORATORY: ELOT
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: 7/12/06 TIME: 1251

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

SAMPLE CONDITION WHEN RECEIVED: 1L-poly / 500ml-HNO3 / 2 voa HCl
LA CONTACT PERSON:
SAMPLE TYPE:

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Larson + Associates

Date/Time: 07-12-04 @ 1251

Order #: 6G12009

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	4.0 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Targa Midstream/ Monument GWM

Project Number: 2-0108

Location: None Given

Lab Order Number: 6L15005

Report Date: 01/03/07

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WP-18	6L15005-01	Water	12/12/06 12:40	12-15-2006 09:35
WP-17	6L15005-02	Water	12/13/06 12:05	12-15-2006 09:35
WP-16	6L15005-03	Water	12/13/06 09:30	12-15-2006 09:35
WP-5	6L15005-04	Water	12/13/06 10:30	12-15-2006 09:35
WP-1	6L15005-05	Water	12/13/06 10:50	12-15-2006 09:35
WP-14	6L15005-06	Water	12/13/06 11:15	12-15-2006 09:35
DUP #1	6L15005-07	Water	12/13/06 00:00	12-15-2006 09:35

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-18 (6L15005-01) Water									
Benzene	**0.428**	0.100	mg/L	100	EL62008	12/20/06	12/20/06	EPA 8021B	
Toluene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	**J [0.0735]**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**J [0.0490]**	0.100	"	"	"	"	"	"	
Xylene (o)	ND	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*80-120*		"	"	"	"	
WP-17 (6L15005-02) Water									
Benzene	**5.38**	0.100	mg/L	100	EL62008	12/20/06	12/20/06	EPA 8021B	
Toluene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	**0.438**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**ND**	0.100	"	"	"	"	"	"	
Xylene (o)	ND	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.0 %*	*80-120*		"	"	"	"	
WP-16 (6L15005-03) Water									
Benzene	**J [0.000416]**	0.00100	mg/L	1	EL62008	12/20/06	12/21/06	EPA 8021B	
Toluene	**0.00242**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**J [0.000650]**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00346**	0.00100	"	"	"	"	"	"	
Xylene (o)	**J [0.000841]**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.2 %*	*80-120*		"	"	"	"	
WP-5 (6L15005-04) Water									
Benzene	**0.128**	0.00500	mg/L	5	EL62008	12/20/06	12/21/06	EPA 8021B	
Toluene	ND	0.00500	"	"	"	"	"	"	
Ethylbenzene	ND	0.00500	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00500	"	"	"	"	"	"	
Xylene (o)	ND	0.00500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-1 (6L15005-05) Water									
Benzene	**0.131**	0.0100	mg/L	10	EL62008	12/20/06	12/21/06	EPA 8021B	
Toluene	**J [0.00292]**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**J [0.00495]**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**ND**	0.0100	"	"	"	"	"	"	
Xylene (o)	**J [0.00404]**	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*119 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.0 %*	*80-120*		"	"	"	"	
WP-14 (6L15005-06) Water									
Benzene	**0.221**	0.00100	mg/L	1	EL62008	12/20/06	12/21/06	EPA 8021B	
Toluene	**0.00265**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00354**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00493**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.00276**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*120 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.2 %*	*80-120*		"	"	"	"	
DUP #1 (6L15005-07) Water									
Benzene	**0.200**	0.00100	mg/L	1	EL62008	12/20/06	12/22/06	EPA 8021B	
Toluene	**0.00301**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00371**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00477**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.00281**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*85.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.2 %*	*80-120*		"	"	"	"	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-18 (6L15005-01) Water									
Total Alkalinity	**1960**	20.0	mg/L	10	EL61901	12/19/06	12/19/06	EPA 310.1M	B
Chloride	**7510**	125	"	250	EL62105	12/20/06	12/21/06	EPA 300.0	
Total Dissolved Solids	**14400**	10.0	"	1	EL61530	12/18/06	12/19/06	EPA 160.1	
Sulfate	**493**	125	"	250	EL62105	12/20/06	12/21/06	EPA 300.0	
WP-17 (6L15005-02) Water									
Total Alkalinity	**868**	8.00	mg/L	4	EL61901	12/19/06	12/19/06	EPA 310.1M	B
Chloride	**4770**	100	"	200	EL62105	12/20/06	12/21/06	EPA 300.0	
Total Dissolved Solids	**9110**	10.0	"	1	EL61530	12/18/06	12/19/06	EPA 160.1	
Sulfate	**178**	100	"	200	EL62105	12/20/06	12/21/06	EPA 300.0	
WP-16 (6L15005-03) Water									
Total Alkalinity	**1360**	8.00	mg/L	4	EL61901	12/19/06	12/19/06	EPA 310.1M	B
Chloride	**680**	25.0	"	50	EL62105	12/20/06	12/21/06	EPA 300.0	
Total Dissolved Solids	**2900**	10.0	"	1	EL61530	12/18/06	12/19/06	EPA 160.1	
Sulfate	**182**	25.0	"	50	EL62105	12/20/06	12/21/06	EPA 300.0	
WP-5 (6L15005-04) Water									
Total Alkalinity	**1100**	40.0	mg/L	20	EL61901	12/19/06	12/19/06	EPA 310.1M	B
Chloride	**504**	25.0	"	50	EL62105	12/20/06	12/21/06	EPA 300.0	
Total Dissolved Solids	**2180**	10.0	"	1	EL61530	12/18/06	12/19/06	EPA 160.1	
Sulfate	**173**	25.0	"	50	EL62105	12/20/06	12/21/06	EPA 300.0	
WP-1 (6L15005-05) Water									
Total Alkalinity	**618**	4.00	mg/L	2	EL61901	12/19/06	12/19/06	EPA 310.1M	B
Chloride	**15.2**	5.00	"	10	EL62105	12/20/06	12/21/06	EPA 300.0	
Total Dissolved Solids	**764**	10.0	"	1	EL61530	12/18/06	12/19/06	EPA 160.1	
Sulfate	**5.24**	5.00	"	10	EL62105	12/20/06	12/21/06	EPA 300.0	
WP-14 (6L15005-06) Water									
Total Alkalinity	**1300**	8.00	mg/L	4	EL61901	12/19/06	12/19/06	EPA 310.1M	B
Chloride	**3800**	50.0	"	100	EL62105	12/20/06	12/21/06	EPA 300.0	
Total Dissolved Solids	**8790**	10.0	"	1	EL61530	12/18/06	12/19/06	EPA 160.1	
Sulfate	**1100**	50.0	"	100	EL62105	12/20/06	12/21/06	EPA 300.0	

Larson & Associates, Inc.	Project: Targa Midstream/ Monument GWM	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 2-0108	
Midland TX, 79710	Project Manager: Mark Larson	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DUP #1 (6L15005-07) Water									
Total Alkalinity	**1160**	8.00	mg/L	4	EL61901	12/19/06	12/19/06	EPA 310.1M	B
Chloride	**4860**	100	"	200	EL62105	12/20/06	12/21/06	EPA 300.0	
Total Dissolved Solids	**11400**	10.0	"	1	EL61530	12/18/06	12/19/06	EPA 160.1	
Sulfate	**1500**	100	"	200	EL62105	12/20/06	12/21/06	EPA 300.0	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.	Project: Targa Midstream/ Monument GWM	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 2-0108	
Midland TX, 79710	Project Manager: Mark Larson	

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-18 (6L15005-01) Water									
Calcium	**95.0**	4.05	mg/L	50	EL61906	12/19/06	12/19/06	EPA 6010B	
Magnesium	**199**	1.80	"	"	"	"	"	"	
Potassium	**39.3**	0.600	"	10	"	"	"	"	
Sodium	**5060**	43.0	"	1000	"	"	"	"	
WP-17 (6L15005-02) Water									
Calcium	**249**	8.10	mg/L	100	EL61906	12/19/06	12/19/06	EPA 6010B	
Magnesium	**399**	3.60	"	"	"	"	"	"	
Potassium	**21.4**	0.600	"	10	"	"	"	"	
Sodium	**3240**	43.0	"	1000	"	"	"	"	
WP-16 (6L15005-03) Water									
Calcium	**13.8**	0.810	mg/L	10	EL61906	12/19/06	12/19/06	EPA 6010B	
Magnesium	**12.6**	0.360	"	"	"	"	"	"	
Potassium	**6.60**	0.600	"	"	"	"	"	"	
Sodium	**1710**	43.0	"	1000	"	"	"	"	
WP-5 (6L15005-04) Water									
Calcium	**14.5**	0.810	mg/L	10	EL61906	12/19/06	12/19/06	EPA 6010B	
Magnesium	**6.58**	0.360	"	"	"	"	"	"	
Potassium	**14.9**	0.600	"	"	"	"	"	"	
Sodium	**888**	21.5	"	500	"	"	"	"	
WP-1 (6L15005-05) Water									
Calcium	**86.6**	4.05	mg/L	50	EL61906	12/19/06	12/19/06	EPA 6010B	
Magnesium	**62.2**	1.80	"	"	"	"	"	"	
Potassium	**4.51**	0.600	"	10	"	"	"	"	
Sodium	**90.2**	2.15	"	50	"	"	"	"	
WP-14 (6L15005-06) Water									
Calcium	**198**	4.05	mg/L	50	EL61906	12/19/06	12/19/06	EPA 6010B	
Magnesium	**130**	1.80	"	"	"	"	"	"	
Potassium	**41.0**	3.00	"	"	"	"	"	"	
Sodium	**2970**	43.0	"	1000	"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.	Project: Targa Midstream/ Monument GWM	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 2-0108	
Midland TX, 79710	Project Manager: Mark Larson	

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DUP #1 (6L15005-07) Water									
Calcium	**285**	4.05	mg/L	50	EL61906	12/19/06	12/19/06	EPA 6010B	
Magnesium	**162**	1.80	"	"	"	"	"	"	
Potassium	**46.2**	3.00	"	"	"	"	"	"	
Sodium	**5060**	108	"	2500	"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL62008 - EPA 5030C (GC)										
Blank (EL62008-BLK1)				Prepared & Analyzed: 12/20/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*41.7*		*ug/l*	*40.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.6*		*"*	*40.0*		*81.5*	*80-120*			
LCS (EL62008-BS1)				Prepared & Analyzed: 12/20/06						
Benzene	0.0468	0.00100	mg/L	0.0500		93.6	80-120			
Toluene	0.0469	0.00100	"	0.0500		93.8	80-120			
Ethylbenzene	*0.0500*	*0.00100*	"	*0.0500*		100	80-120			
Xylene (p/m)	0.0893	0.00100	"	0.100		89.3	80-120			
Xylene (o)	0.0431	0.00100	"	0.0500		86.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.7*		*ug/l*	*40.0*		*86.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.0*		*"*	*40.0*		*100*	*80-120*			
Calibration Check (EL62008-CCV1)				Prepared & Analyzed: 12/20/06						
Benzene	56.0		ug/l	50.0		112	80-120			
Toluene	48.1		"	50.0		96.2	80-120			
Ethylbenzene	42.2		"	50.0		84.4	80-120			
Xylene (p/m)	81.5		"	100		81.5	80-120			
Xylene (o)	41.4		"	50.0		82.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.4*		*"*	*40.0*		*98.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.9*		*"*	*40.0*		*84.8*	*80-120*			
Matrix Spike (EL62008-MS1)	**Source: 6L15012-01**			Prepared: 12/20/06 Analyzed: 12/21/06						
Benzene	0.0482	0.00100	mg/L	0.0500	0.00450	87.4	80-120			
Toluene	0.0434	0.00100	"	0.0500	0.000269	86.3	80-120			
Ethylbenzene	0.0438	0.00100	"	0.0500	ND	87.6	80-120			
Xylene (p/m)	0.0882	0.00100	"	0.100	0.000759	87.4	80-120			
Xylene (o)	0.0432	0.00100	"	0.0500	ND	86.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*32.0*		*ug/l*	*40.0*		*80.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.7*		*"*	*40.0*		*86.8*	*80-120*			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL62008 - EPA 5030C (GC)										
Matrix Spike Dup (EL62008-MSD1)	**Source: 6L15012-01**			Prepared: 12/20/06 Analyzed: 12/21/06						
Benzene	0.0455	0.00100	mg/L	0.0500	0.00450	82.0	80-120	6.38	20	
Toluene	0.0421	0.00100	"	0.0500	0.000269	83.7	80-120	3.06	20	
Ethylbenzene	0.0431	0.00100	"	0.0500	ND	86.2	80-120	1.61	20	
Xylene (p/m)	0.0853	0.00100	"	0.100	0.000759	84.5	80-120	3.37	20	
Xylene (o)	0.0425	0.00100	"	0.0500	ND	85.0	80-120	1.63	20	
Surrogate: a,a,a-Trifluorotoluene	*34.1*		*ug/l*	*40.0*		*85.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.9*		*"*	*40.0*		*87.2*	*80-120*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL61530 - Filtration Preparation										
Blank (EL61530-BLK1)				Prepared: 12/18/06 Analyzed: 12/19/06						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EL61530-DUP1)		**Source: 6L14006-01**		Prepared: 12/18/06 Analyzed: 12/19/06						
Total Dissolved Solids	9510	10.0	mg/L		9600			0.942	20	
Duplicate (EL61530-DUP2)		**Source: 6L15006-03**		Prepared: 12/18/06 Analyzed: 12/19/06						
Total Dissolved Solids	1250	10.0	mg/L		1300			3.92	20	
Batch EL61901 - General Preparation (WetChem)										
Blank (EL61901-BLK1)				Prepared & Analyzed: 12/19/06						
Total Alkalinity	8.00	4.00	mg/L							B
Carbonate Alkalinity	ND	0.100	"							B
Bicarbonate Alkalinity	8.00	4.00	"							B
Hydroxide Alkalinity	ND	0.100	"							B
LCS (EL61901-BS1)				Prepared & Analyzed: 12/19/06						
Total Alkalinity	196	4.00	mg/L	200		98.0	85-115			B
Duplicate (EL61901-DUP1)		**Source: 6L15005-01**		Prepared & Analyzed: 12/19/06						
Total Alkalinity	2000	20.0	mg/L		1960			2.02	20	B
Reference (EL61901-SRM1)				Prepared & Analyzed: 12/19/06						
Total Alkalinity	248	4.00	mg/L	250		99.2	90-110			B
Batch EL62105 - General Preparation (WetChem)										
Blank (EL62105-BLK1)				Prepared: 12/20/06 Analyzed: 12/21/06						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL62105 - General Preparation (WetChem)										
LCS (EL62105-BS1)				Prepared: 12/20/06 Analyzed: 12/21/06						
Sulfate	10.2	0.500	mg/L	10.0		102	80-120			
Chloride	10.5	0.500	"	10.0		105	80-120			
Calibration Check (EL62105-CCV1)				Prepared: 12/20/06 Analyzed: 12/21/06						
Sulfate	11.0		mg/L	10.0		110	80-120			
Chloride	9.93		"	10.0		99.3	80-120			
Duplicate (EL62105-DUP1)	**Source: 6L15005-01**			Prepared: 12/20/06 Analyzed: 12/21/06						
Sulfate	505	125	mg/L		493			2.40	20	
Chloride	7610	125	"		7510			1.32	20	
Duplicate (EL62105-DUP2)	**Source: 6L15006-04**			Prepared: 12/20/06 Analyzed: 12/21/06						
Sulfate	173	5.00	mg/L		172			0.580	20	
Chloride	114	5.00	"		115			0.873	20	
Matrix Spike (EL62105-MS1)	**Source: 6L15005-01**			Prepared: 12/20/06 Analyzed: 12/21/06						
Sulfate	3490	125	mg/L	2500	493	120	80-120			
Chloride	10500	125	"	2500	7510	120	80-120			
Matrix Spike (EL62105-MS2)	**Source: 6L15006-04**			Prepared: 12/20/06 Analyzed: 12/21/06						
Sulfate	277	5.00	mg/L	100	172	105	80-120			
Chloride	221	5.00	"	100	115	106	80-120			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Targa Midstream/ Monument GWM
Project Number: 2-0108
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL61906 - 6010B/No Digestion										
Blank (EL61906-BLK1)				Prepared & Analyzed: 12/19/06						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EL61906-CCV1)				Prepared & Analyzed: 12/19/06						
Calcium	2.26		mg/L	2.00		113	85-115			
Magnesium	1.87		"	2.00		93.5	85-115			
Potassium	1.70		"	2.00		85.0	85-115			
Sodium	1.93		"	2.00		96.5	85-115			
Duplicate (EL61906-DUP1)	**Source: 6L15005-01**			Prepared & Analyzed: 12/19/06						
Calcium	96.1	4.05	mg/L		95.0			1.15	20	
Magnesium	186	1.80	"		199			6.75	20	
Potassium	39.2	0.600	"		39.3			0.255	20	
Sodium	4870	43.0	"		5060			3.83	20	

Notes and Definitions

B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 1/3/2007

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc.
Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: ~~[illegible]~~ TARGA

SITE MANAGER: M. LARSON

PROJECT NO.: 2-0108

PROJECT NAME: TARGA GAS MONUMENT PLANT

PAGE OF

LAB. PO #

PARAMETERS/METHOD NUMBER

DATE 2006	TIME MST	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	BTEX (8021 VOA)	TDS	AN/CAT							LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
12/12	12:40	X			WP-18	3	X	X	X							6L15005-01	
12/13	12:05	X			WP-17	3	│	│	│							-02	
│	9:50	X			WP-16	3	│	│	│							-03	
│	10:30	X			WP-5	3	│	│	│							-04	
│	10:50	X			WP-1	3	│	│	│							-05	
12/13	11:15	X			WP-14	3	X	X	X							-06	
12/13		X			DUP #1	3	X	X	X							-07	

SAMPLED BY: (Signature) Scott [signature] DATE: 12/13 TIME: 12:20

RELINQUISHED BY: (Signature) DATE: TIME:

RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) Scott [signature] DATE: 12/15 TIME: 9:35

RECEIVED BY: (Signature) DATE: TIME:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY:
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature) [signature]
DATE: 12/15/06 TIME: 9:35

SAMPLE CONDITION WHEN RECEIVED: 0.5 w/ labels

LA CONTACT PERSON:

SAMPLE TYPE:

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Larson

Date/ Time: 12/15/06 9:35

Lab ID #: 6L15005

Initials: CK

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	0.5 °C	
#2	Shipping container in good condition?	~~Yes~~	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	~~Yes~~	No		
#6	Sample instructions complete of Chain of Custody?	~~Yes~~	No		
#7	Chain of Custody signed when relinquished/ received?	~~Yes~~	No		
#8	Chain of Custody agrees with sample label(s)?	~~Yes~~	No **	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	~~Yes~~	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	~~Yes~~	No		
#11	Containers supplied by ELOT?	~~Yes~~	No		
#12	Samples in proper container/ bottle?	~~Yes~~	No	See Below	
#13	Samples properly preserved?	~~Yes~~	No	See Below	
#14	Sample bottles intact?	~~Yes~~	No		
#15	Preservations documented on Chain of Custody?	~~Yes~~	No		
#16	Containers documented on Chain of Custody?	~~Yes~~	No		
#17	Sufficient sample amount for indicated test(s)?	~~Yes~~	No	See Below	
#18	All samples received within sufficient hold time?	~~Yes~~	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	~~Yes~~	No	Not Applicable	

Variance Documentation

Contact: Scott Contacted by: Carrie Date/ Time: 12/15/06

Regarding: Add DUP to COC & run
* WP-18- use COC name & time (label is different)

Corrective Action Taken:

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Jeanne McMurrey

From: "Michelle Green" <michelle@LAenvironmental.com>
To: "Jeanne McMurrey" <jeanne@elabtexas.com>
Sent: Wednesday, January 03, 2007 3:49 PM
Subject: Revised lab report

Jeanne,

Can you please correct the sample ID for WP-3 (6L15005-04) to WP-5 and re-issue a revised report.

Thank you,

Michelle Green

--