GW - 22

REPORTS

YEAR(S):

2007

Price, Wayne, EMNRD

From: Price, Wayne, EMNRD
Sent: Tuesday, December 11, 2007 12:21 PM
To: 'dharris@frontierfieldservices.com'
Cc: mark@laenvironmental.com
Subject: Frontier Field Services Empire Abo Plant GW-022

Dear Mr. Harris:

OCD is in receipt of the December 10, 2007 Interim Groundwater report which recommends additional installation of monitor and recovery wells. OCD hereby approves of the path forward plan.

Please be advised that OCD approval of this plan does not relieve the owner/operator of responsibility should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Wayne Price-Environmental Bureau Chief
Oil Conservation Division
1220 S. Saint Francis
Santa Fe, NM 87505
E-mail wayne.price@state.nm.us
Tele: 505-476-3490
Fax: 505-476-3462

Larson & Associates, Inc.
Environmental Consultants

RECEIVED
2007 DEC 10 AM 11 34

December 10, 2007

VIA: Hand Delivery

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

Re: Interim Groundwater Monitoring Report
Frontier Field Services, LLC, Empire Abo Gas Plant, (GW-022),
Unit I (NE/4, SE/4), Section 3, Township 18 South, Range 37 East
Eddy County, New Mexico

Dear Mr. Price:
The enclosed report is submitted to the New Mexico Oil Conservation Division (OCD) on behalf of Frontier Field Services, LLC (Frontier) by Larson & Associates, Inc. (LAI), its consultant, to convey interim results of groundwater monitoring for the Empire Abo Gas Plant (Facility) located in Eddy County, New Mexico. The report presents results of groundwater samples that were collected during the first (1sr), second (2nd) and third (3rd) quarters of 2007, as well as a work plan to conduct additional investigations to assess groundwater and vadose zone contamination. Your approval of the work plan is requested. Please contact Mr. David Harris with Frontier at (505) 677-2192 or email dharris@frontierfieldservices.com, if you have questions. I may be reached with questions at (432) 687-0901 or email 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: Mike Hicks – Frontier
Chad Cagle – Frontier
David Harris – Frontier
Tim Gum – OCD District 2

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2007 DEC 10 AM 11 35

INTERIM GROUNDWATER MONITORING REPORT
FRONTIER FIELD SERVICES, LLC
EMPIRE ABO GAS PLANT (GW-022)
EDDY COUNTY, NEW MEXICO

Prepared for:

Frontier Field Services, LLC
257 Empire Road
Artesia, New Mexico
(505) 677-2192

Prepared by:

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

December 1, 2007

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

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1.0 INTRODUCTION

This report is submitted to the New Mexico Oil Conservation Division (OCD) on behalf of Frontier Field Services, LLC (Frontier) by Larson & Associates, Inc. (LAI), its consultant, to present the interim results of groundwater monitoring at its Empire Abo Gas Plant (Facility). Groundwater monitoring was performed in accordance with a plan that was submitted to the OCD in the major modification for discharge permit GW-022 (*"Major Modification Discharge Permit GW-022, Empire Abo Gas Plant, Eddy County, New Mexico, February 8, 2007"*).

1.1 Background

The Facility is located in unit I (NE/4, SE/4), Section 3, Township 18 South, Range 27 East, in Eddy County, New Mexico. The Facility is positioned at latitude 32° 46' 37.4" north and longitude 104° 15' 32.7" west. On December 6, 2006, the OCD issued a letter requiring Frontier to submit a major modification for discharge permit GW-022 to address technical deficiencies that OCD noted from its review of a renewal application submitted by the previous owner, BP America Production Company, on August 16, 2004. The OCD required Frontier to submit, among other things, a groundwater monitoring plan pursuant to WQCC 20.6.2.3107 NMAC (*Monitoring, Reporting, and Other Requirements*) and a groundwater investigation and abatement plan. Figure 1 presents a location and topographic map. Contact information for Frontier is as follows:

Name:	Mr. David Harris
Title:	Plant Manager
Physical Address:	257 Empire Road Artesia, New Mexico
Mailing Address:	Drawer 70 Artesia, New Mexico 88211-0070
Office Telephone:	(505) 677-2192
Fax:	(505) 677-5152
Email:	dharris@frontierfieldservices.com

2.0 GROUNDWATER MONITORING SYSTEM

The groundwater monitoring system consists of twenty-seven (27) 4-inch wells, eight (8) nests consisting of a 2-inch well and 1-inch piezometers and five (5) 2-inch piezometers. The monitoring wells and piezometers range in depth from approximately 20.63 feet below ground surface (bgs) at location MW-02-11 to 114.75 feet bgs at location MW-03-04. Figure 2 presents a Facility drawing showing the locations of the monitoring wells and piezometers.

Groundwater samples were collected from the wells and piezometers on March 26 and 27, 2007 (1st Quarter), June 18 through 20, 2007 (2nd Quarter) and September 17 through 18, 2007 (3rd Quarter). Groundwater monitoring activities consisted of the following:

- Measuring depth-to-ground water and phase-separated hydrocarbons (PSH) using an electronic oil and water interface probe;
- Collecting groundwater samples from the wells and piezometers (excluding wells and piezometers that recorded PSH); and
- Conducting laboratory analysis for volatile organic compounds (VOC), semi-volatile organic compounds (SVOC), dissolved metals (arsenic, barium, cadmium, chromium, lead, magnesium, mercury, potassium, selenium, silver and sodium, major anions and cations (alkalinity, chloride, nitrate, and sulfate) and total dissolved solids (TDS).

3.0 INTERIM GROUNDWATER MONITORING RESULTS

3.1 Hydrocarbon Product and Groundwater Flow Assessment

Measurements of PSH were obtained during each event using a Heron Instruments electronic oil and water interface probe that was thoroughly cleaned between locations using a solution of potable water and laboratory-grade detergent (Alkonox®) and rinsed with distilled water. The measurements were collected from the top of casing and are summarized on Table 1. Figure 3, Figure 4 and Figure 5 present apparent PSH

thickness measurements from March 26 and 27, 2007), June 18, 2007 and September 17, 2007, respectively.

On March 26 and 27, 2007 (Figure 3) the apparent PSH thickness ranged from 0.1 feet in well MW-03-03 to 3.57 feet in well MW-02-09. On June 18, 2007 (Figure 4) the apparent PSH thickness ranged from 0.14feet in well EB-03 to 5.64 feet in well MW-02-10. On September 17, 2007 (Figure 5) the apparent PSH thickness ranged from 0.007 feet in well MW-08 to 6.28 feet in well MW-02-10. The PSH occurs beneath the Facility, but was also observed southeast of the Facility in well EB-03, which suggests that the PSH is migrating with groundwater.

LAI evaluated the vertical position of the well and piezometer screens using hydrographs that were constructed from available well and piezometers records. The depth of the screen, groundwater and PSH show that thirteen (13) wells and piezometers (MW-02, MW-02-04, MW-02-09, MW-02-11, MW-03, MW-03-03, MW-06, EB-01, EB-02, EB-04, EB-05, P-02 and P-05) have screens that are submerged below the water table. The submerged screens prevent PSH from entering the well unless the water table is lowered. Eight (8) wells and piezometers (MW-02-10, MW-02-12, MW-02-13, MW-02-14, MW-03-04, MW-04, MW-09, and EB-03) had screens that were submerged below the water table, yet PSH was present in the casing. The PH is likely due to capture after the water table was lowered during sampling. Appendix A presents the hydrographs.

Groundwater occurs in the Permian-age Tansil formation (Artesia group), which consists of dolomite, limestone and gypsum that is interbedded with sandstone. The average depth to groundwater during the monitoring period ranged from approximately 7.64 feet bgs at MW-7 to 61.55 feet bgs at P-03. The groundwater level was generally consistent between events except for minor variations that may be attributed to aquifer fluctuation, recharge and discharge. The measurements also suggest that groundwater occurs in voids and fractures. Figure 6, Figure 7 and Figure 8 present contoured

drawings for depth to groundwater measurements from March 26 and 27, 2007, June 18, 2007 and September 17, 2007, respectively.

The general direction and gradient of groundwater flow during the monitoring period was from northwest to southeast at approximately 0.04 feet per foot, respectively. The groundwater surface was elevated near well MW-07 and may be attributed to groundwater movement in voids and fractures. The groundwater elevation was corrected for PSH using a specific gravity of 0.70. Figure 9, Figure 10 and Figure 11, present corrected and contoured drawings for groundwater elevations observed on March 26 and 27, 2007, June 18, 2007 and September 19, 2007, respectively.

3.2 Groundwater Samples

On March 26 and 27, 2007, June 18 through 20, 2007 and September 17 through 18, 2007, LAI personnel collected groundwater samples from the wells and piezometers, except where PSH was observed. The samples were collected after purging approximately three (3) casing volumes of groundwater using dedicated disposable polyethylene bailers or pumping with electric submersible pumps. The water was placed in a portable tank and discharged to the Facility's process water system for disposal. The electric submersible pumps and tubing were thoroughly cleaned between locations by washing in a solution of potable water and laboratory grade (Alkonox®) detergent and rinsing with distilled water. The samples were collected using dedicated disposable polyethylene bailers, which were carefully lowered into wells and the samples gently poured into laboratory preserved containers. The containers were sealed, labeled, chilled in an ice chest and delivered under chain of custody control to DHL Analytical Laboratories, Inc., located in Round Rock, Texas. The laboratory analyzed the samples for VOC using method SW-846-8260, SVOC by method SW-846-8270, dissolved metals, major ions and anions and TDS. Table 2 presents a summary of the laboratory analysis. Appendix B presents the laboratory reports.

Benzene, ethylbenzene and xylene are VOC that were reported in samples at concentrations above the New Mexico Water Quality Control Commission (WQCC) human health standards of 0.01 milligrams per liter (mg/L) 0.75 mg/L and 0.62 mg/L, respectively. Benzene was reported above 0.01 milligrams per liter (mg/L) in samples MW-02-06, MW-02-07, MW-02-15, MW-02-18, MW-03-01, MW-03-03, MW-07, EB-03, EB-08 and P-03. The highest benzene concentration occurred in sample MW-02-18 at 8.08 mg/L (March 28, 2007), 6.63 mg/L (June 19, 2007) and 6.06 mg/L (September 18, 2007). Benzene was detected in down gradient sample P-03 (0.0154 mg/L) above the WQCC standard on September 17, 2007. Frontier will continue to monitor the benzene.

Ethylbenzene was only reported above 0.75 mg/L in sample EB-08 (1.48 mg/L) on June 18, 2007. Ethylbenzene was reported in sample EB-08 at 0.973 mg/L on September 17, 2007. Xylene was only reported above 0.62 mg/L in samples MW-02-06 (0.8112 mg/L) and EB-08 (1.564 mg/L to 2.543 mg/L). Sample EB-08 reported the highest xylene concentration (2.543 mg/L) on June 18, 2007. Seventeen (17) other VOC were reported at concentrations below available WQCC human health standards. Figure 12, Figure 13 and Figure 14 present numerical values for benzene concentrations reported in the samples on March 26 and 27, 2007, June 18 through 20, 2007 and September 17 and 18, 2007, respectively. Frontier will continue to monitor ethylbenzene and xylene.

Naphthalene was only reported above the WQCC human health standard of 0.03 mg/L in samples MW-03-01 (0.0482 mg/L) and EB-08 (0.0846 mg/L). Seven (7) other SVOC were reported at low concentrations, for which no WQCC standards are available.

Dissolved chromium and selenium were reported above the WQCC human health standard of 0.05 mg/L. The chromium was reported in sample EB-04 between 0.0518 mg/L to 0.0718 mg/L. The Facility is not the source for the chromium since EB-04 is cross-gradient and the remaining samples reported no chromium. A producing oil and gas well is located near EB-04 and could be a source for the chromium. Frontier will

continue to monitor groundwater for chromium. Dissolved selenium was reported above 0.05 mg/L in sample EB-08 between 0.105 mg/L to 0.0856 mg/L. The source for the selenium is not known and Frontier will continue to monitor groundwater for selenium.

Seven (7) samples (MW-02-02, MW-02-05, MW-08, EB-04, EB-08, P-03 and P-04) reported chloride above the WQCC domestic water quality standard of 250 mg//L. The highest chloride was highest in samples MW-02-02 and MW-02-05 from the north end of the Facility. The source for the chloride is not known and Frontier proposes to conduct additional investigations to evaluate the area north of the Facility. Chloride was also reported above 250 mg/L in sample P-04 (516 mg/L to 618 mg/L) located down gradient from the Facility. The source for the chloride in sample P-04 is not known. Figure 15, Figure 16 and Figure 17 present contoured drawings for chloride reported in samples from March 26 and 27, 2007, June 18 through 20, 2007 and September 17 and 18, 2007, respectively. Frontier will continue to monitor the groundwater for chloride.

Sulfate and TDS was reported in all samples above the WQCC domestic water quality standards of 600 mg/L and 1,000 mg/L, respectively. The average sulfate concentration during the monitoring period ranged from 954 mg/L (MW-03-03) to 394,000 mg/L (MW-02-05). The average TDS concentration during the monitoring period ranged from 2500 mg/L (MW-02) to 569,000 mg/L (MW-02-05). Sulfate and TDS were highest in samples MW-02-02 and MW-02-05 from the north end of the Facility. Frontier proposes to conduct additional investigations north of the Facility. Figure 18, Figure 19 and Figure 20 present contoured drawings for the sulfate reported in samples on March 26 and 27, 2007, June 18 through 20, 2007 and September 17 and 18, 2007, respectively. Figure 21, Figure 22 and Figure 23 present contoured drawings for the TDS reported in samples on March 26 and 27, 2007, June 18 through 20, 2007 and September 17 and 18, 2007, respectively. Frontier will continue to monitor groundwater for sulfate and TDS.

4.0 PROPOSED INVESTIGATIONS

Additional investigations will include an electromagnetic (EM) terrain conductivity survey of the area north of the Facility to determine a possible source for the chloride, sulfate and TDS. Install wells where submerged well screens and PSH was observed to assess PSH thickness and distribution. Calculate PSH thickness from bailout tests. Install additional monitoring wells north, west and southeast of the Facility to assess groundwater quality.

4.1 Electromagnetic (EM) Terrain Conductivity Survey

The EM survey is a qualitative method that measures the electrical properties of soil, rock and groundwater The EM measurements are compared to background to located areas of elevated conductivity that may coincide with sources for the elevated chloride, sulfate and TDS. The EM readings are displayed in millimhos per meter (mmhos/m) on a digital receiver console. The EM survey will be performed over an area measuring approximately 1800 x 1800 feet and the final area will be determined by the observed measurements. The survey will be conducted using EM-31 and EM-34 terrain conductivity meters manufactured by Geonics Limited, located in Missasauga, Ontario, Canada. The EM-31 meter has exploration capabilities ranging from 0 to approximately 9 feet bgs in the horizontal dipole (HD) mode and 0 to approximately 19 feet bgs in the vertical dipole (VD) mode. The EM-34 meter has exploration capabilities from 0 to approximately 25 feet bgs in the HD mode and 10-meter coil spacing, 0 to approximately 50 feet bgs in the VD mode and 10- meter coil spacing, 0 to approximately 50 feet bgs in the HD mode and 20-meter coil spacing, 0 to approximately 100 feet bgs in the VD mode and 20-meter coil spacing, 0 to approximately100 feet bgs in the HD mode and 40-meter coil spacing, and 0 to approximately 200 feet bgs in the VD mode and 40-meter coil spacing. Initial measurements will be collected using grids measuring approximately 200 x 200 feet and refined using grids measuring approximately 50 x 50 feet. The EM survey results will be presented on colored contoured drawings to show areas of elevated conductivity that may coincide with a source for the chloride, sulfate and TDS.

Background will be measured at a location that is free of cultural interference (i.e., buildings, metal, pipelines, power lines, etc.). Figure 24 presents the proposed EM survey area.

4.2 Hydrocarbon Product Observation and Recovery Wells

Fourteen (14) wells will be installed to assess the distribution and thickness of PSH. The wells will be drilled using a rotary or hollow stem auger rig and advanced to depths equal to nearby wells. The wells will be constructed using 4-inch diameter PVC casing and screen. The screens will extend from the bottom of the borings to approximately 7 feet above the observed groundwater surface. Graded silica sand will be placed around screens from the bottom of the borings to approximately 3 feet above the screens. The remaining annulus will be filled to approximately 1-foot bgs with bentonite chips and the wells will be secured with locking steel above-grade covers anchored in concrete. Geological logs will be prepared according to industry standards from samples that will be collected for headspace analysis according to OCD guidelines, and possibly laboratory analysis. The samples may be analyzed by a laboratory for benzene, toluene, ethylbenzene and xylene (BTEX) and total petroleum hydrocarbons (TPH) based on field observations and headspace readings. The drill cuttings will be placed on the ground adjacent to the wells until disposal is arranged. The wells will be developed to remove fine grained material, which will be placed in a portable tank and discharged in the Facility's process water system for disposal. A New Mexico licensed professional land surveyor will survey the wells for top of casing and ground elevation, which will be referenced to a USGS datum. Figure 24 presents tentative locations for the PSH observation and recovery wells.

4.3 Bailout Tests

Bailout tests will be performed to calculate the actual PSH thickness in the Tansil formation. The tests will be performed by bailing as much PSH as possible from the wells and recording PSH and groundwater recovery using an electronic oil and water interface

probe. The PSH and groundwater measurements will be collected at precise intervals until an inflection point is observed. The inflection point occurs when the PSH thickness in the well is equal to the PSH thickness in the formation. The actual PSH thickness in the formation will be calculated using the method developed by Gruszczenski (1987).

4.4 Monitoring Wells

Four (4) monitoring wells will be installed north, west and southeast of the Facility to assess groundwater quality. The wells will be drilled using a rotary or hollow stem auger rig and advanced to depths equal to nearby wells. The wells will be constructed using 4-inch schedule 40 PVC casing and screen. The screens will extend from the bottom of the borings to approximately 7 feet above the observed ground water level. Graded silica sand will be placed around the screens to approximately 3 feet above the screens. The remaining annulus will be filled with bentonite chips to approximately 1-foot bgs and the wells will be secured with locking steel covers anchored in concrete. Geological logs will be prepared according to industry practices from samples that will be collected for headspace analysis, according to OCD guidelines, and possibly laboratory analysis. The samples may be analyzed for BTEX and TPH based on field observations and headspace readings. The drill cuttings will be placed on the ground adjacent to the wells until disposal is arranged. Additional wells may be installed based on field observations. The wells will be developed to remove fine grained sediment, which will be contained in a portable tank and discharged in the Facility's process water system for disposal. A New Mexico licensed professional land surveyor will survey the wells for top of casing and ground elevation, which will be referenced to a USGS datum. Figure 24 presents the approximate locations for the wells.

4.5 Groundwater Samples

Frontier proposes to modify the parameter list based on the interim groundwater monitoring results. Groundwater sample will be collected from the existing and new monitoring wells, excluding wells with PSH, and analyzed for BTEX, dissolved metals

(arsenic, barium, cadmium, chromium, lead, magnesium, mercury, potassium, selenium, silver and sodium, major anions and cations (alkalinity, chloride, nitrate, sulfate) and TDS. Groundwater samples will be collected on a quarterly (4 times per year) schedule beginning in January 2008. The samples will be collected after purging the wells using low-flow, hand bailing or pumping techniques. The groundwater samples will be carefully transferred into laboratory preserved containers from the low-flow pump discharge or dedicated disposable bailers, labeled, chilled in an ice chest, delivered under chain of custody control to DHL Laboratories, Inc. Quality assurance and quality control (QA/QC) samples will be collected to verify the field and laboratory procedures. The metals samples will be filtered according to EPA protocol. The laboratory reports will be reviewed for completeness and the results tabulated.

4.6 Horizontal Hydraulic Conductivity (Slug) Tests

Horizontal hydraulic conductivity (slug) tests will be performed in select wells to calculate an average hydraulic conductivity for the Tansil formation. The slug tests will be used for designing the PSH recovery system. The slug tests will be performed by inserting (falling head) and removing (rising head) a weighted PVC tube (slug) or by depressing the water column using compressed air. The water level changes will be recorded using a pressure transducer placed near the bottom of the wells and the data will be stored in a data logger and transferred to a PC. The average horizontal hydraulic conductivity will be calculated using the Bower and Rice or equivalent method.

4.7 Aerial Photographs

Aerial photographs will be reviewed to assess possible sources for the PSH and groundwater contaminants. Soil borings may be drilled at locations determined to be possible sources for the contaminants. The borings will be drilled using a rotary or hollow stem auger rig. Geological logs will be prepared according to industry practices from samples that will be collected for headspace analysis, according to OCD guidelines, and possibly laboratory analysis. The samples may be analyzed for BTEX and TPH based

on field observations and headspace readings. The drill cuttings will be placed on the ground adjacent to the borings until disposal is arranged. The borings will be plugged according to New Mexico State Engineer rules.

4.8 Report

An interim report will be prepared and submitted to the OCD and will include groundwater maps, laboratory reports, bailout and slug test results and abatement plan for the PSH, dissolved BTEX and vadose zone contaminants.

TABLES

Table 1
Monitor Well Completion and Gauging Summary
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Well Information								Groundwater Data				
Well ID	Date Drilled	Drilled Depth (bgs)	Well Diameter (inches)	Surface Elevation	Screen Interval (bgs)	Casing Stickup	TOC Elevation	Date Gauged	Well Depth from TOC	Depth to Product	Depth to Water	Corrected Water Elevation
MW-02		38	4	3545.3	19 - 34	2.89	3548.19	--	--	--	--	--
								2/13/2007	37.92	--	32.75	3,515.44
								3/26/2007	--		32.85	3,515.34
								6/18/2007	--	--	33.90	3,514.29
								9/17/2007	--	--	33.83	3,514.36
MW-02-02	10/6/1992	45	4	3549.3	35 - 45	2.96	3,552.26	10/6/1992	--	--	39	3,513.26
								3/26/2007	48.65	--	26.50	3,525.76
								6/18/2007	--	--	26.86	3,525.40
								9/17/2007	--	--	27.00	3,525.26
MW-02-03	9/28/1992	105	4	3553.0	95 - 105	3.03	3,556.03	9/28/1992	--	--	97	3,459.03
								2/12/2007	--	63.15	63.20	3,492.87
								3/27/2007	108.50	--	62.96	3,493.07
								6/18/2007	--	--	62.26	3,493.77
								9/17/2007	--	--	62.08	3,493.95
MW-02-04	9/30/1992	55	4	3550.9	45 - 55	2.89	3,553.79	9/30/1992	--	--	50	3,503.79
								3/26/2007	61.60	--	53.35	3,500.44
								6/18/2007	--	--	50.67	3,503.12
								9/17/2007	--	--	51.69	3,502.10
MW-02-05	10/6/1992	50	4	3549.9	40 - 50	2.79	3,552.69	10/6/1992	--	--	43	3,509.69
								3/26/2007	52.31	--	27.21	3,525.48
								6/18/2007	--	--	27.40	3,525.29
								9/17/2007	--	--	27.56	3,525.13
MW-02-06	9/29/1992	21	4	3548.3	11 - 21	2.52	3,550.82	9/29/1992	--	--	18	3,532.82
								3/26/2007	23.90	--	18.18	3,532.64
								6/18/2007	--	--	16.48	3,534.34
								9/17/2007	--	--	15.60	3,535.22
MW-02-07	10/5/1992	63	4	3544.2	53 - 63	2.80	3,547.00	10/5/1992	--	--	57	3,490.00
								3/26/2007	63.80	--	46.75	3,500.25
								6/18/2007	--	--	45.89	3,501.11
								9/17/2007	--	--	44.31	3,502.69
MW-02-09	10/7/1992	40	4	3543.5	30 - 40	3.02	3,546.52	10/7/1992	--	--	31	3,515.52
								3/27/2007	43.97	34.84	38.41	3,510.61
								6/18/2007	--	35.45	35.62	3,511.02
								9/17/2007	--	35.66	38.72	3,509.94

Table 1
Monitor Well Completion and Gauging Summary
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Well Information								Groundwater Data				
Well ID	Date Drilled	Drilled Depth (bgs)	Well Diameter (inches)	Surface Elevation	Screen Interval (bgs)	Casing Stickup	TOC Elevation	Date Gauged	Well Depth from TOC	Depth to Product	Depth to Water	Corrected Water Elevation
MW-02-10	9/29/1992	75	4	3545.4	65 - 75	3.00	3,548.40	9/29/1992	--	--	64.00	3,484.40
								3/27/2007	62.90	52.38	--	<3492.86
								6/18/2007	--	52.74	58.38	3,493.97
								9/17/2007	--	52.48	58.76	3,494.04
MW-02-11	9/29/1992	20	4	3544.0	10 - 20	2.79	3,546.79	9/29/1992	--	--	--	--
								3/26/2007	23.42	--	22.62	3,524.17
								6/18/2007	--	18.05	19.30	3,528.37
								9/17/2007	--	20.82	22.02	3,525.61
MW-02-12	10/1/1992	80	4	3540.3	70 - 80	3.02	3,543.32	10/1/1992	--	--	74.00	3,469.32
								2/12/2007	83.14	thick	55.15	<3492.86
								3/27/2007	--	55.10	55.50	3,488.10
								6/18/2007	--	emulsion	54.20	3,489.12
								9/17/2007	--	emulsion	54.29	3,489.03
MW-02-13	10/7/1992	46	4	3542.7	36 - 46	2.89	3,545.59	10/7/1992	--	--	40.00	3,505.59
								2/12/2007	49.70	41.20	42.65	3,503.96
								3/27/2007	--	41.25	42.23	3,504.05
								6/18/2007	--	36.66	39.81	3,508.93
								9/17/2007	--	38.31	41.44	3,506.34
MW-02-14	10/5/1992	73	4	3541.3	63 - 73	3.23	3,544.53	10/5/1992	--	--	67.00	3,477.53
								3/27/2007	78.80	46.40	46.78	3,498.02
								6/18/2007	--	46.44	46.89	3,497.96
								9/17/2007	--	46.09	46.58	3,498.29
MW-02-15	10/2/1992	70	4	3540.2	60 - 70	3.09	3,543.29	10/2/1992	--	--	64.00	3,479.29
								3/27/2007	75.95	--	50.76	3,492.53
								6/18/2007	--	--	50.73	3,492.56
								9/17/2007	--	--	50.78	3,492.51
MW-02-16	9/30/1992	80	4	3541.0	70 - 80	3.24	3,544.24	9/30/1992	--	--	74.00	3,470.24
								2/12/2007	83.05	--	55.92	3,488.32
								3/27/2007	--	--	55.59	3,488.65
								6/18/2007	--	--	55.09	3,489.15
								9/17/2007	--	--	55.18	3,489.06
MW-02-18	10/7/1992	36	4	3542.7	25 - 36	5.00	3,547.70	10/7/1992	--	--	30.00	3,517.70
								2/12/2007	--	--	21.84	3,525.86
								3/26/2007	39.80	--	21.36	3,526.34
								6/18/2007	--	--	17.48	3,530.22
								9/17/2007	--	--	20.23	3,527.47

Table 1
Monitor Well Completion and Gauging Summary
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Well Information									Groundwater Data			
Well ID	Date Drilled	Drilled Depth (bgs)	Well Diameter (inches)	Surface Elevation	Screen Interval (bgs)	Casing Stickup	TOC Elevation	Date Gauged	Well Depth from TOC	Depth to Product	Depth to Water	Corrected Water Elevation
MW-03		91.46	4	3552.4	69 - 89	2.90	3,555.30	--	--	--	--	--
								3/27/2007	63.30	--	59.51	3,495.79
								6/18/2007	--	58.74	59.23	3,496.41
								9/17/2007	--	58.39	59.46	3,496.59
MW-03-01		72.8	4	3539.9	50 - 70	2.66	3,542.56	--	--	--	--	--
								3/27/2007	73.40	--	43.78	3,498.78
								6/18/2007	--	--	43.65	3,498.91
								9/17/2007	--	--	43.22	3,499.34
MW-03-02		102	4	3538.6	60 - 100	2.48	3,541.08	--	--	--	--	--
								3/27/2007	105.75	--	56.33	3,484.75
								6/18/2007	--	--	56.13	3,484.95
								9/17/2007	--	emulsion	56.19	3,484.89
MW-03-03		82.21	4	3542.3	55 - 80	2.42	3,544.72	--	--	--	--	--
								3/26/2007	85.40	59.59	59.60	3,485.13
								6/18/2007	--	--	58.96	3,485.76
								9/17/2007	--	--	59.28	3,485.44
MW-03-04		112.4	4	3555.7	65 - 110	2.75	3,558.45	--	--	--	--	--
								3/26/2007	117.50	60.85	60.98	3,497.56
								6/18/047	--	60.68	61.51	3,497.52
								9/17/2007	--	60.28	61.44	3,497.82
MW-04		60.6	4	3547.8	45 - 60	3.19	3,550.99	--	--	--	--	--
								3/26/2007	62.59	--	48.15	3,502.84
								6/18/2007	--	47.18	48.23	3,503.50
								9/17/2007	--	emulsion	44.41	3,506.58
MW-05		92.5	4	3540.6	71 - 96	3.17	3,543.77	--	--	--	--	--
								3/27/2007	95.30	--	54.69	3,489.08
								6/18/2007	--	--	54.18	3,489.59
								9/17/2007	--	--	54.22	3,489.55
MW-06		53.37	4	3541.8	30 - 50	2.70	3,544.50	--	--	--	--	--
								3/27/2007	76.90	43.40	44.75	3,500.69
								6/18/2007	--	35.93	36.10	3,508.52
								9/17/2007	--	37.89	37.96	3,506.59
MW-07		26.4	4	3546.0	11 - 26	0.49	3,546.49	--	--	--	--	--
								3/26/2007	26.35	--	8.20	3,538.29
								6/18/2007	--	--	8.13	3,538.36
								9/17/2007	--	--	8.06	3,538.43

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Well Information									Groundwater Data			
Well ID	Date Drilled	Drilled Depth (bgs)	Well Diameter (inches)	Surface Elevation	Screen Interval (bgs)	Casing Stickup	TOC Elevation	Date Gauged	Well Depth from TOC	Depth to Product	Depth to Water	Corrected Water Elevation
MW-08		82.05	4	3540.5	69 - 89	3.23	3,543.73	--	--	--	--	--
								2/13/2007	86.45	--	54.19	3,489.54
								3/27/2007	--	--	54.62	3,489.11
								6/18/2007	--	--	53.20	3,490.53
								9/17/2007	--	--	53.29	3,490.44
MW-09		73.54	4	3540.4	51 - 71	2.42	3,542.82	--	--	--	--	--
								2/13/2007	--	44.05	44.99	3,498.49
								3/27/2007	75.80	43.88	44.25	3,498.83
								6/18/2007	--	43.90	44.18	3,498.92
								9/17/2007	--	43.34	43.83	3,499.33
EB-01	3/29/2004	40.25	1	3491.5	--	0.65	3,492.15	3/29/2004	--	--	--	--
								3/26/2007	37.05	--	23.71	3,468.44
								6/18/2007	--	--	23.06	3,469.09
								9/17/2007	--	--	22.81	3,469.34
EB-02	3/29/2004	55	2	3522.6	35 - 55	2.74	3,525.34	3/29/2004	--	--	--	--
								3/26/2007	57.47	--	43.83	3,481.51
								6/18/2007	--	--	43.02	3,482.32
								9/17/2007	--	--	42.68	3,482.66
EB-03	3/30/2004	66	2	3517.8	46 - 66	3.25	3,521.05	3/30/2004	--	--	--	--
								3/26/2007	69.84	46.04	46.35	3,474.92
								6/18/2007	--	45.41	45.55	3,475.60
								9/17/2007	--	45.81	46.16	3,475.14
EB-04	3/31/2004	62.7	2	3505.3	31 - 51	3.08	3,508.38	3/31/2004	--	--	--	--
								3/26/2007	53.91	--	40.91	3,467.47
								6/18/2007	--	--	40.19	3,468.19
								9/17/2007	--	--	40.51	3,467.87
EB-05	3/31/2004	54	2	3523.7	44 - 54	2.91	3,526.61	3/31/2004	--	--	--	--
								3/26/2007	57.93	--	35.08	3,491.53
								6/18/2007	--	--	35.61	3,491.00
								9/17/2007	--	--	35.79	3,490.82
EB-06	3/31/2004	83	1	3555.6	--	1.03	3,556.63	3/31/2004	--	--	--	--
								3/26/2007	58.35	--	54.39	3,502.24
								6/18/2007	--	--	54.37	3,502.26
								9/17/2007	--	--	54.66	3,501.97
EB-07	4/1/2004	54	2	3501.3	44 - 54	2.67	3,503.97	4/1/2004	--	--	--	--
								3/26/2007	56.08	--	35.74	3,468.23
								6/18/2007	--	--	33.82	3,470.15
								9/17/2007	--	--	34.64	3,469.33

Table 1
Monitor Well Completion and Gauging Summary
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Well Information								Groundwater Data				
Well ID	Date Drilled	Drilled Depth (bgs)	Well Diameter (inches)	Surface Elevation	Screen Interval (bgs)	Casing Stickup	TOC Elevation	Date Gauged	Well Depth from TOC	Depth to Product	Depth to Water	Corrected Water Elevation
EB-08	4/2/2006	81	2	3533.8	66 - 81	3.27	3,537.07	4/2/2006	--	--	--	--
								3/26/2007	86.22	--	57.19	3,479.88
								6/18/2007	--	--	56.47	3,480.60
								9/17/2007	--	--	56.85	3,480.22
P-01	12/29/2005	50	2	3527.9	40 - 50	2.31	3,530.21	12/29/2005	--	--	--	--
								3/26/2007	54.60	--	29.73	3,500.48
								6/18/2007	--	--	28.93	3,501.28
								9/17/2007	--	--	29.23	3,500.98
P-02	12/27/2005	22.5	2	3542.3	19.5 - 22.5	2.43	3,544.73	12/27/2005	--	--	--	--
								3/26/2007	27.45	--	22.22	3,522.51
								6/18/2007	--	--	19.90	3,524.83
								9/17/2007	--	--	20.98	3,523.75
P-03	12/27/2005	78	2	3534.4	58 - 78	2.43	3,536.83	12/27/2005	--	--	--	--
								3/26/2007	78.65	--	65.45	3,471.38
								6/18/2007	--	--	63.15	3,473.68
								9/17/2007	--	--	63.34	3,473.49
P-04	12/28/2005	61	2	3513.5	51 - 61	2.27	3,515.77	12/28/2005	--	--	--	--
								3/26/2007	61.65	--	48.53	3,467.24
								6/18/2007	--	--	46.02	3,469.75
								9/17/2007	--	--	47.00	3,468.77
P-05	12/28/2005	48	2	3504.9	35 - 45	2.58	3,507.48	12/28/2005	--	--	--	--
								3/26/2007	47.35	--	37.60	3,469.88
								6/18/2007	--	--	36.43	3,471.05
								9/17/2007	--	--	37.19	3,470.29

Notes
All values are in feet, unless otherwise noted.
bgs - below ground surface
TOC - top of casing
Elevations are above mean sea level referenced to 1984 Geodetic Datum.
Wells drilled and installed by Alan Eades and Atkins Engineering. Schedule 40 threaded PVC casing and screen set.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	MW-02 3/27/07	MW-02 6/18/07	MW-02 9/17/07	MW-02-02 3/27/07	MW-02-02 6/19/07	MW-02-02 9/18/07	MW-02-03 3/29/07	MW-02-03 6/20/07	MW-02-03 9/18/07	MW-02-04 3/28/07
	0.01	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
1,1,1-Trichloroethane	0.06	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
1,1,2,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
1,1,2-Trichloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
1,1-Dichloroethane	0.025	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
1,1-Dichloroethene	0.005	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
1,1-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
1,2,3-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.02	<0.004	<0.002	<0.002	<0.002	<0.002	<0.02
1,2,3-Trichloropropane	--	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
1,2,4-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.02	<0.004	<0.002	<0.002	<0.002	<0.002	<0.02
1,2,4-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.02	<0.004	<0.002	<0.002	<0.002	<0.002	<0.02
1,2-Dibromo-3-Chloropropane	--	<0.003	<0.003	<0.003	<0.03	<0.006	<0.003	<0.003	<0.003	<0.003	<0.03
1,2-Dibromoethane (EDB)	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
1,2-Dichlorobenzene (ortho)	--	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
1,2-Dichloroethane (EDC)	0.01	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
1,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
1,3,5-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.02	<0.004	<0.002	<0.002	<0.002	<0.002	<0.02
1,3-Dichlorobenzene (meta)	--	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
1,3-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
1,4-Dichlorobenzene (para)	--	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
2,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
2-Butanone	--	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.05
2-Chloroethyl vinyl ether	--	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.005	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.005
2-Hexanone	--	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.05
4-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
4-Methyl-2-pentanone	--	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.05
Acetone	--	<0.0002	<0.0002	<0.005	0.05	0.0668	<0.005	0.00676	<0.005	<0.005	0.00576
Benzene	0.01	<0.0002	<0.0002	<0.0002	<0.002	0.00066	<0.0002	<0.0002	<0.0002	0.000550	<0.002
Bromobenzene	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
Bromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
Bromodichloromethane	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
Bromoform	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
Bromomethane	--	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
Carbon disulfide	--	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.05
Carbon tetrachloride	0.01	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
Chlorobenzene	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002

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Volatile Organic Compounds	NMWQCC Standard	MW-02 3/27/07	MW-02 6/18/07	MW-02 9/17/07	MW-02-02 3/27/07	MW-02-02 6/19/07	MW-02-02 9/18/07	MW-02-03 3/29/07	MW-02-03 6/20/07	MW-02-03 9/18/07	MW-02-04 3/28/07
Chloroethane	--	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
Chloroform	0.1	<0.0003	<0.0003	0.000800	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
Chloromethane	--	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
cis-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
cis-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
Dibromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
Dibromomethane	0.0001	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
Dichlorodifluoromethane	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
Ethylbenzene	9.75	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
Hexachlorobutadiene	--	<0.001	<0.001	<0.001	<0.01	<0.002	<0.001	<0.001	<0.001	<0.001	<0.01
Iodomethane	--	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.05
Isopropylbenzene	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
m,p-Xylene	--	<0.0006	<0.0006	<0.0006	<0.006	<0.0012	<0.0006	<0.0006	<0.0006	0.00114	<0.006
Methyl tert-butyl ether	--	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
Methylene chloride	0.1	<0.0025	<0.0025	<0.0025	<0.025	<0.005	<0.0025	<0.0025	<0.0025	<0.0025	<0.025
n-Butylbenzene	--	<0.0003	<0.0003	<0.005	<0.003	<0.0006	<0.005	<0.0003	<0.0003	<0.005	<0.003
n-Propylbenzene	--	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
Naphthalene	0.03	<0.005	<0.005	<0.0003	<0.05	<0.01	<0.0003	<0.005	<0.005	<0.0003	<0.05
o-Xylene	--	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
p-Isopropyltoluene	--	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
sec-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.003	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.003
Styrene	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
tert-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.002	<0.0006	<0.0003	<0.0003	<0.0003	<0.0003	<0.002
Tetrachloroethene	--	<0.0007	<0.0007	<0.0007	<0.007	<0.0014	<0.0007	<0.0007	<0.0007	<0.0007	<0.007
Toluene	0.75	<0.0007	<0.0007	<0.0007	<0.007	<0.0014	<0.0007	<0.0007	<0.0007	<0.0007	<0.007
trans-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
trans-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
Trichloroethene	0.1	<0.0007	<0.0007	<0.0007	<0.007	<0.0014	<0.0007	<0.0007	<0.0007	<0.0007	<0.007
Trichlorofluoromethane	--	<0.0002	<0.0002	<0.0002	<0.002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.002
Xylenes (total)	0.62	<0.0009	<0.0009	<0.0009	<0.0009	<0.0018	<0.0009	<0.0009	<0.0009	0.00114	<0.0009
Vinyl chloride	0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.001

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	MW-02-04 6/18/07	MW-02-04 9/18/07	MW-02-05 3/27/07	MW-02-05 6/19/07	MW-02-05 9/18/07	MW-02-06 3/28/07	MW-02-06 6/20/07	MW-02-06 9/18/07	MW-02-07 3/28/07	MW-02-07 6/19/07
1,1,1,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
1,1,1-Trichloroethane	0.06	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
1,1,2,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
1,1,2-Trichloroethane	0.01	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
1,1-Dichloroethane	0.025	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
1,1-Dichloroethene	0.005	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
1,1-Dichloropropene	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
1,2,3-Trichlorobenzene	--	<0.002	<0.002	<0.02	<0.002	<0.002	<0.1	<0.01	<0.01	<0.02	<0.02
1,2,3-Trichloropropane	--	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	<0.0015	<0.0015	<0.003	<0.003
1,2,4-Trichlorobenzene	--	<0.002	<0.002	<0.02	<0.002	<0.002	<0.1	<0.01	<0.01	<0.02	<0.02
1,2,4-Trimethylbenzene	--	<0.002	<0.002	<0.02	<0.002	<0.002	0.109	0.0737	0.0639	0.081	0.0429
1,2-Dibromo-3-Chloropropane	--	<0.003	<0.003	<0.03	<0.003	<0.003	<0.15	<0.015	<0.015	<0.03	<0.03
1,2-Dibromoethane (EDB)	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
1,2-Dichlorobenzene (ortho)	--	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	<0.0015	<0.0015	<0.003	<0.003
1,2-Dichloroethane (EDC)	0.01	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	<0.0015	<0.0015	<0.003	<0.003
1,2-Dichloropropane	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
1,3,5-Trimethylbenzene	--	<0.002	<0.002	<0.02	<0.002	<0.002	<0.1	0.0423	0.0388	0.0272	0.0272
1,3-Dichlorobenzene (meta)	--	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	<0.0015	<0.0015	<0.003	<0.003
1,3-Dichloropropane	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
1,4-Dichlorobenzene (para)	--	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	<0.0015	<0.0015	<0.003	<0.003
2,2-Dichloropropane	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
2-Butanone	--	<0.005	<0.005	<0.05	<0.005	<0.005	<0.25	<0.025	<0.025	<0.05	<0.05
2-Chloroethyl vinyl ether	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	<0.025	<0.025	<0.005	<0.005
2-Chlorotoluene	--	<0.0003	<0.0003	<0.005	<0.0003	<0.0003	<0.015	<0.0015	<0.0015	<0.005	<0.005
2-Hexanone	--	<0.005	<0.005	<0.05	<0.005	<0.005	<0.25	<0.025	<0.025	<0.05	<0.05
4-Chlorotoluene	--	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	<0.0015	<0.0015	<0.003	<0.003
4-Methyl-2-pentanone	--	<0.005	<0.005	<0.05	<0.005	<0.005	<0.25	<0.025	<0.025	<0.05	<0.05
Acetone	--	0.00467	0.00550	<0.05	0.00639	<0.005	<0.25	<0.025	<0.025	<0.05	<0.05
Benzene	0.01	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	**4.58**	**4.89**	**5.42**	**1.24**	**1.25**
Bromobenzene	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
Bromochloromethane	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
Bromodichloromethane	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
Bromoform	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
Bromomethane	--	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	<0.0015	<0.0015	<0.003	<0.003
Carbon disulfide	--	<0.005	<0.005	<0.05	<0.005	<0.005	<0.25	<0.025	<0.025	<0.05	<0.05
Carbon tetrachloride	0.01	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
Chlorobenzene	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	MW-02-04 6/18/07	MW-02-04 9/18/07	MW-02-05 3/27/07	MW-02-05 6/19/07	MW-02-05 9/18/07	MW-02-06 3/28/07	MW-02-06 6/20/07	MW-02-06 9/18/07	MW-02-07 3/28/07	MW-02-07 6/19/07
Chloroethane	--	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	<0.0015	<0.0015	<0.003	<0.003
Chloroform	0.1	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	<0.0015	<0.0015	<0.003	<0.003
Chloromethane	--	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	<0.0015	<0.0015	<0.003	<0.003
cis-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
cis-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
Dibromochloromethane	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
Dibromomethane	0.0001	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
Dichlorodifluoromethane	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
Ethylbenzene	9.75	0.00041	<0.0003	<0.003	<0.0003	<0.0003	0.148	0.421	0.296	0.133	0.12
Hexachlorobutadiene	--	<0.001	<0.001	<0.01	<0.001	<0.001	<0.05	<0.005	<0.005	<0.01	<0.01
Iodomethane	--	<0.005	<0.005	<0.05	<0.005	<0.005	<0.25	<0.025	<0.025	<0.05	<0.05
Isopropylbenzene	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	0.0635	0.0492	0.0583	0.0183	0.013
m,p-Xylene	--	<0.0006	<0.0006	<0.006	<0.0006	<0.0006	0.222	0.723	0.328	0.276	0.24
Methyl tert-butyl ether	--	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	<0.0015	<0.0015	<0.003	<0.003
Methylene chloride	0.1	<0.0025	<0.0025	<0.025	<0.0025	<0.0025	<0.125	<0.0125	<0.0125	<0.025	<0.025
n-Butylbenzene	--	<0.0003	<0.005	<0.003	<0.0003	<0.005	<0.015	0.0037	<0.025	<0.003	<0.003
n-Propylbenzene	--	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	0.0305	0.0313	0.00465	0.0115	0.0064
Naphthalene	0.03	<0.005	<0.0003	<0.05	<0.005	<0.0003	<0.25	<0.025	0.0318	<0.05	<0.05
o-Xylene	--	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	0.0882	0.0356	<0.003	<0.003
p-Isopropyltoluene	--	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	0.0088	0.0134	<0.003	<0.003
sec-Butylbenzene	--	<0.0003	<0.0003	<0.003	<0.0003	<0.0003	<0.015	<0.0015	<0.0015	<0.003	<0.003
Styrene	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
tert-Butylbenzene	--	<0.0003	<0.0003	<0.002	<0.0003	<0.0003	<0.015	0.0026	0.00340	<0.002	<0.002
Tetrachloroethene	--	<0.0007	<0.0007	<0.007	<0.0007	<0.0007	<0.035	<0.0035	<0.0035	<0.007	<0.007
Toluene	0.75	<0.0007	<0.0007	<0.007	<0.0007	<0.0007	<0.035	0.243	0.0467	<0.007	<0.007
trans-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
trans-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
Trichloroethene	0.1	<0.0007	<0.0007	<0.007	<0.0007	<0.0007	<0.035	<0.0035	<0.0035	<0.007	<0.007
Trichlorofluoromethane	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	<0.01	<0.001	<0.001	<0.002	<0.002
Xylenes (total)	0.62	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	0.222	**0.8112**	0.3636	0.276	0.24
Vinyl chloride	0.001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.005	<0.0005	<0.0005	<0.001	<0.001

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	MW-02-07 9/18/07	MW-02-15 3/29/07	MW-02-15 6/20/07	MW-02-15 9/18/07	MW-02-16 3/29/07	MW-02-16 6/19/07	MW-02-16 9/18/07
1,1,1,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
1,1,1-Trichloroethane	0.06	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
1,1,2,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
1,1,2-Trichloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
1,1-Dichloroethane	0.025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
1,1-Dichloroethene	0.005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
1,1-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
1,2,3-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01
1,2,3-Trichloropropane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
1,2,4-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01
1,2,4-Trimethylbenzene	--	0.0812	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01
1,2-Dibromo-3-Chloropropane	--	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.015
1,2-Dibromoethane (EDB)	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
1,2-Dichlorobenzene (ortho)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
1,2-Dichloroethane (EDC)	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
1,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
1,3,5-Trimethylbenzene	--	0.0234	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01
1,3-Dichlorobenzene (meta)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
1,3-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
1,4-Dichlorobenzene (para)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
2,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025
2-Chloroethyl vinyl ether	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025
2-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
2-Hexanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025
4-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
4-Methyl-2-pentanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025
Acetone	--	<0.005	0.0168	<0.005	<0.005	0.00512	<0.005	<0.025
Benzene	0.01	**1.50**	**0.0193**	**0.0268**	**0.0410**	<0.0002	0.00032	<0.001
Bromobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
Bromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
Bromodichloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
Bromoform	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
Bromomethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
Carbon disulfide	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025
Carbon tetrachloride	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
Chlorobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	MW-02-07 9/18/07	MW-02-15 3/29/07	MW-02-15 6/20/07	MW-02-15 9/18/07	MW-02-16 3/29/07	MW-02-16 6/19/07	MW-02-16 9/18/07
Chloroethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
Chloroform	0.1	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
Chloromethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
cis-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
cis-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
Dibromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
Dibromomethane	0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
Dichlorodifluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
Ethylbenzene	9.75	0.138	<0.0003	<0.0003	0.000590	<0.0003	<0.0003	<0.0015
Hexachlorobutadiene	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Iodomethane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025
Isopropylbenzene	--	0.0197	0.00431	0.00348	0.00426	<0.0002	0.00068	<0.001
m,p-Xylene	--	0.311	0.00357	0.0028	0.00419	<0.0006	<0.0006	<0.003
Methyl tert-butyl ether	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
Methylene chloride	0.1	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0125
n-Butylbenzene	--	0.00930	<0.0003	<0.0003	<0.005	<0.0003	<0.0003	<0.025
n-Propylbenzene	--	<0.0003	0.00045	0.00045	<0.0003	<0.0003	<0.0003	<0.0015
Naphthalene	0.03	0.0118	<0.005	<0.005	<0.0003	<0.005	<0.005	<0.0015
o-Xylene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
p-Isopropyltoluene	--	0.00366	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0015
sec-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0005	<0.0015
Styrene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
tert-Butylbenzene	--	<0.0003	<0.0003	0.0008	0.000840	0.00118	0.00072	0.00495
Tetrachloroethene	--	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0035
Toluene	0.75	0.00130	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0035
trans-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
trans-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
Trichloroethene	0.1	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0035
Trichlorofluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
Xylenes (total)	0.62	0.311	0.00357	<0.0009	0.00419	<0.0009	<0.0009	<0.0045
Vinyl chloride	0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	MW-02-18 3/28/07	MW-02-18 6/19/07	MW-02-18 9/18/07	MW-03-01 3/28/07	MW-03-01 6/19/07	MW-03-01 9/18/07	MW-03-02 3/29/07	MW-03-02 6/19/07	MW-03-03 3/28/07	MW-03-03 6/19/07
1,1,1,2-Tetrachloroethane	0.01	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
1,1,1-Trichloroethane	0.06	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
1,1,2,2-Tetrachloroethane	0.01	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
1,1,2-Trichloroethane	0.01	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
1,1-Dichloroethane	0.025	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
1,1-Dichloroethene	0.005	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
1,1-Dichloropropene	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
1,2,3-Trichlorobenzene	--	<0.1	<0.2	<0.01	<0.01	<0.02	<0.002	<0.002	<0.002	<0.02	<0.02
1,2,3-Trichloropropane	--	<0.015	<0.03	<0.0015	<0.00150	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.003
1,2,4-Trichlorobenzene	--	<0.1	<0.2	<0.01	<0.01	<0.02	<0.002	<0.002	<0.002	<0.02	<0.02
1,2,4-Trimethylbenzene	--	<0.1	<0.2	0.0377	0.166	0.0235	0.114	<0.002	<0.002	0.151	0.0335
1,2-Dibromo-3-Chloropropane	--	<0.15	<0.3	<0.015	<0.015	<0.03	<0.003	<0.003	<0.003	<0.03	<0.03
1,2-Dibromoethane (EDB)	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
1,2-Dichlorobenzene (ortho)	--	<0.015	<0.03	<0.0015	<0.0015	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.003
1,2-Dichloroethane (EDC)	0.01	<0.015	<0.03	<0.0015	<0.0015	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.003
1,2-Dichloropropane	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
1,3,5-Trimethylbenzene	--	<0.1	<0.2	<0.01	0.0136	<0.02	0.00979	<0.002	<0.002	0.0484	<0.02
1,3-Dichlorobenzene (meta)	--	<0.015	<0.03	<0.0015	<0.0015	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.003
1,3-Dichloropropane	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
1,4-Dichlorobenzene (para)	--	<0.015	<0.03	<0.0015	<0.015	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.003
2,2-Dichloropropane	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
2-Butanone	--	<0.25	<0.5	<0.025	<0.025	<0.05	<0.005	<0.005	<0.005	<0.05	<0.05
2-Chloroethyl vinyl ether	--	<0.25	<0.5	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chlorotoluene	--	<0.015	<0.03	<0.0015	<0.0015	<0.005	<0.0003	<0.0003	<0.0003	<0.005	<0.005
2-Hexanone	--	<0.25	<0.5	<0.025	<0.025	<0.05	<0.005	<0.005	<0.005	<0.05	<0.05
4-Chlorotoluene	--	<0.015	<0.03	<0.0015	<0.0015	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.003
4-Methyl-2-pentanone	--	<0.25	<0.5	<0.025	<0.025	<0.05	<0.005	<0.005	<0.005	<0.05	<0.05
Acetone	--	<0.25	<0.5	<0.025	<0.025	<0.05	<0.005	<0.0002	<0.0002	<0.05	<0.05
Benzene	0.01	**8.08**	**6.63**	**6.06**	**0.320**	**0.0897**	**0.280**	<0.0002	<0.0002	**1.02**	**0.913**
Bromobenzene	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
Bromochloromethane	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
Bromodichloromethane	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
Bromoform	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
Bromomethane	--	<0.015	<0.03	<0.0015	<0.0015	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.003
Carbon disulfide	--	<0.25	<0.5	<0.025	<0.025	<0.05	<0.005	<0.005	<0.005	<0.05	<0.05
Carbon tetrachloride	0.01	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
Chlorobenzene	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	MW-02-18 3/28/07	MW-02-18 6/19/07	MW-02-18 9/18/07	MW-03-01 3/28/07	MW-03-01 6/19/07	MW-03-01 9/18/07	MW-03-02 3/29/07	MW-03-02 6/19/07	MW-03-03 3/28/07	MW-03-03 6/19/07
Chloroethane	--	<0.015	<0.03	<0.0015	<0.0015	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.003
Chloroform	0.1	<0.015	<0.03	<0.0015	<0.0015	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.003
Chloromethane	--	<0.015	<0.03	<0.0015	<0.0015	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.003
cis-1,2-Dichloroethene	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
cis-1,3-Dichloropropene	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
Dibromochloromethane	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
Dibromomethane	0.0001	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
Dichlorodifluoromethane	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
Ethylbenzene	9.75	0.400	0.405	0.328	0.0788	0.0149	0.0513	<0.0003	0.00086	0.346	0.119
Hexachlorobutadiene	--	<0.05	<0.1	<0.005	<0.005	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01
Iodomethane	--	<0.25	<0.5	<0.025	<0.025	<0.05	<0.005	<0.005	<0.005	<0.05	<0.05
Isopropylbenzene	--	0.048	0.074	0.0465	0.0579	0.017	0.0625	<0.0002	0.001	0.106	0.0403
m,p-Xylene	--	0.188	0.192	0.147	0.22	0.0598	0.192	0.00077	<0.0006	0.396	0.187
Methyl tert-butyl ether	--	<0.015	<0.03	<0.0015	<0.0015	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.003
Methylene chloride	0.1	<0.125	<0.25	<0.0125	<0.0125	<0.025	<0.0025	<0.0025	<0.0025	<0.025	<0.025
n-Butylbenzene	--	<0.015	<0.03	<0.025	0.0055	<0.003	0.00770	<0.0003	<0.0003	0.0111	<0.003
n-Propylbenzene	--	0.032	<0.03	0.00300	0.0504	0.013	0.00215	<0.0003	<0.0003	0.0794	0.0239
Naphthalene	0.03	<0.25	<0.5	0.0362	<0.025	<0.05	0.0482	<0.005	<0.005	<0.05	<0.05
o-Xylene	--	<0.015	<0.03	<0.0015	<0.0015	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.003
p-Isopropyltoluene	--	<0.015	<0.03	0.00630	0.0067	<0.003	0.00349	<0.0003	<0.0003	0.0222	0.0071
sec-Butylbenzene	--	<0.015	<0.03	<0.0015	<0.0015	<0.003	<0.0003	<0.0003	<0.0003	<0.003	<0.003
Styrene	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
tert-Butylbenzene	--	<0.015	<0.03	<0.0015	0.0038	<0.002	0.00120	0.0008	0.00064	0.0075	0.0045
Tetrachloroethene	--	<0.035	<0.07	<0.0035	<0.0035	<0.007	<0.0007	<0.0007	<0.0007	<0.007	<0.007
Toluene	0.75	<0.035	<0.07	<0.0035	<0.0035	<0.007	<0.0007	<0.0007	<0.0007	<0.007	<0.007
trans-1,2-Dichloroethene	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
trans-1,3-Dichloropropene	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
Trichloroethene	0.1	<0.035	<0.07	<0.0035	<0.0035	<0.007	<0.0007	<0.0007	<0.0007	<0.007	<0.007
Trichlorofluoromethane	--	<0.01	<0.02	<0.001	<0.001	<0.002	<0.0002	<0.0002	<0.0002	<0.002	<0.002
Xylenes (total)	0.62	0.188	0.192	0.147	0.22	0.0598	0.192	0.00077	<0.0009	0.396	0.187
Vinyl chloride	0.001	<0.005	<0.01	<0.0005	<0.0005	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	MW-03-03 9/18/07	MW-05 3/29/07	MW-05 6/19/07	MW-05 9/18/07	MW-07 3/28/07	MW-07 6/19/07	MW-07 9/18/07	MW-08 3/28/07	MW-08 6/19/07	MW-08 9/18/07
1,1,1,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
1,1,1-Trichloroethane	0.06	0.000240	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
1,1,2,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
1,1,2-Trichloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethane	0.025	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethene	0.005	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
1,1-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
1,2,3-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.02	<0.02	<0.02	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
1,2,4-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.02	<0.02	<0.02	<0.002	<0.002	<0.002
1,2,4-Trimethylbenzene	--	0.0478	<0.002	<0.002	<0.002	<0.02	<0.02	<0.02	<0.002	<0.002	<0.002
1,2-Dibromo-3-Chloropropane	--	<0.003	<0.003	<0.003	<0.003	<0.03	<0.03	<0.03	<0.003	<0.003	<0.003
1,2-Dibromoethane (EDB)	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
1,2-Dichlorobenzene (ortho)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
1,2-Dichloroethane (EDC)	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
1,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
1,3,5-Trimethylbenzene	--	0.00709	<0.002	<0.002	<0.002	<0.02	<0.02	<0.02	<0.002	<0.002	<0.002
1,3-Dichlorobenzene (meta)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
1,3-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
1,4-Dichlorobenzene (para)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
2,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.05	<0.005	<0.005	<0.005
2-Chloroethyl vinyl ether	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005
2-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.005	<0.005	<0.003	<0.0003	<0.0003	<0.0003
2-Hexanone	--	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.05	<0.005	<0.005	<0.005
4-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
4-Methyl-2-pentanone	--	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.05	<0.005	<0.005	<0.005
Acetone	--	<0.005	<0.0002	<0.0002	<0.005	<0.05	<0.05	<0.05	<0.0002	<0.0002	<0.005
Benzene	0.01	**0.983**	<0.0002	<0.0002	0.000800	**0.839**	**0.791**	**1.26**	<0.0002	0.00056	0.000440
Bromobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
Bromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
Bromodichloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
Bromoform	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
Bromomethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
Carbon disulfide	--	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.05	<0.005	<0.005	<0.005
Carbon tetrachloride	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
Chlorobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	MW-03-03 9/18/07	MW-05 3/29/07	MW-05 6/19/07	MW-05 9/18/07	MW-07 3/28/07	MW-07 6/19/07	MW-07 9/18/07	MW-08 3/28/07	MW-08 6/19/07	MW-08 9/18/07
Chloroethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
Chloroform	0.1	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
Chloromethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	0.000540
cis-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
cis-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
Dibromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
Dibromomethane	0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
Dichlorodifluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
Ethylbenzene	9.75	0.110	<0.0003	<0.0003	<0.0003	0.0211	0.0304	0.0369	<0.0003	0.0005	<0.0003
Hexachlorobutadiene	--	<0.001	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001
Iodomethane	--	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.05	<0.005	<0.005	<0.005
Isopropylbenzene	--	0.0580	<0.0002	<0.0002	<0.0002	<0.002	0.0076	0.00690	0.00052	0.00078	0.000670
m,p-Xylene	--	0.179	<0.0006	<0.0006	0.00120	0.0178	0.0175	0.0291	0.00075	<0.0006	0.00113
Methyl tert-butyl ether	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
Methylene chloride	0.1	<0.0025	<0.0025	<0.0025	<0.0025	<0.025	<0.025	<0.025	<0.0025	<0.0025	<0.0025
n-Butylbenzene	--	<0.005	<0.0003	<0.0003	<0.005	<0.003	<0.003	<0.05	<0.0003	<0.0003	<0.005
n-Propylbenzene	--	0.00119	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
Naphthalene	0.03	0.0291	<0.005	<0.005	<0.0003	<0.05	<0.05	<0.003	<0.005	<0.005	<0.0003
o-Xylene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
p-Isopropyltoluene	--	0.00172	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
sec-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.003	<0.003	<0.003	<0.0003	<0.0003	<0.0003
Styrene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
tert-Butylbenzene	--	0.00114	<0.0003	<0.0003	<0.0003	<0.002	<0.002	<0.003	<0.0003	0.00046	0.000540
Tetrachloroethene	--	<0.0007	<0.0007	<0.0007	<0.0007	<0.007	<0.007	<0.007	<0.0007	<0.0007	<0.0007
Toluene	0.75	<0.0007	<0.0007	<0.0007	<0.0007	<0.007	<0.007	<0.007	<0.0007	<0.0007	<0.0007
trans-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
trans-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
Trichloroethene	0.1	<0.0007	<0.0007	<0.0007	<0.0007	<0.007	<0.007	<0.007	<0.0007	<0.0007	<0.0007
Trichlorofluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.002	<0.0002	<0.0002	<0.0002
Xylenes (total)	0.62	0.179	<0.0009	<0.0009	0.0012	0.0178	0.0175	0.0291	0.00075	<0.0009	0.00113
Vinyl chloride	0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001

Notes

Volatiles analyzed via EPA SW846 Method 8260B by DHL Analytical, Inc.

All values reported in Milligrams per liter (mg/L, parts per million).

Blue indicates the compound was detected.

< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	EB-01 3/27/07	EB-01 6/18/07	EB-01 9/17/07	EB-02 3/27/07	EB-02 6/18/07	EB-02 9/17/07	EB-03 3/27/07	EB-04 3/27/07	EB-04 6/18/07	EB-04 9/17/07
1,1,1,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,1-Trichloroethane	0.06	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2-Trichloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethane	0.025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethene	0.005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2,3-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2,4-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,4-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0148	<0.002	<0.002	<0.002
1,2-Dibromo-3-Chloropropane	--	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dibromoethane (EDB)	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2-Dichlorobenzene (ortho)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00064	<0.0003	<0.0003	<0.0003
1,2-Dichloroethane (EDC)	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,3,5-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichlorobenzene (meta)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,3-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,4-Dichlorobenzene (para)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chloroethyl vinyl ether	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2-Hexanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
4-Methyl-2-pentanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acetone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00558	0.0390	<0.005	<0.005
Benzene	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.0115**	<0.0002	<0.0002	<0.0002
Bromobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromodichloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromoform	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromomethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Carbon disulfide	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	EB-01 3/27/07	EB-01 6/18/07	EB-01 9/17/07	EB-02 3/27/07	EB-02 6/18/07	EB-02 9/17/07	EB-03 3/27/07	EB-04 3/27/07	EB-04 6/18/07	EB-04 9/17/07
Chloroethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chloroform	0.1	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chloromethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
cis-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromomethane	0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dichlorodifluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ethylbenzene	9.75	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00493	<0.0003	<0.0003	<0.0003
Hexachlorobutadiene	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iodomethane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Isopropylbenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00613	<0.0002	<0.0002	<0.0002
m,p-Xylene	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	0.00473	<0.0006	<0.0006	<0.0006
Methyl tert-butyl ether	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	0.1	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
n-Butylbenzene	--	<0.0003	<0.0003	<0.005	<0.0003	<0.0003	<0.005	0.00149	<0.0003	<0.0003	<0.005
n-Propylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00634	<0.0003	<0.0003	<0.0003
Naphthalene	0.03	<0.005	<0.005	<0.0003	<0.005	<0.005	<0.0003	<0.005	<0.005	<0.005	<0.0003
o-Xylene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
p-Isopropyltoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00161	<0.0003	<0.0003	<0.0003
sec-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Styrene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
tert-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.00148	<0.0003	<0.0003	<0.0003
Tetrachloroethene	--	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Toluene	0.75	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
trans-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
trans-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Trichloroethene	0.1	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Trichlorofluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Xylenes (total)	0.62	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	0.00473	<0.0009	<0.0009	<0.0009
Vinyl chloride	0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	EB-05 3/26/07	EB-05 6/18/07	EB-05 9/17/07	EB-06 3/26/07	EB-06 6/18/07	EB-06 9/17/07	EB-07 3/27/07	EB-07 6/18/07	EB-07 9/17/07
1,1,1,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,1-Trichloroethane	0.06	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2-Trichloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethane	0.025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethene	0.005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2,3-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2,4-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,4-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dibromo-3-Chloropropane	--	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dibromoethane (EDB)	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2-Dichlorobenzene (ortho)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2-Dichloroethane (EDC)	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,3,5-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichlorobenzene (meta)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,3-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,4-Dichlorobenzene (para)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chloroethyl vinyl ether	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2-Hexanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
4-Methyl-2-pentanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acetone	--	0.00546	<0.005	<0.005	<0.0002	<0.0002	<0.005	<0.0002	<0.0002	<0.005
Benzene	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromodichloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromoform	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromomethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Carbon disulfide	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	EB-05 3/26/07	EB-05 6/18/07	EB-05 9/17/07	EB-06 3/26/07	EB-06 6/18/07	EB-06 9/17/07	EB-07 3/27/07	EB-07 6/18/07	EB-07 9/17/07
Chloroethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chloroform	0.1	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chloromethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
cis-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromomethane	0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dichlorodifluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ethylbenzene	9.75	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Hexachlorobutadiene	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iodomethane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Isopropylbenzene	--	0.00123	0.00093	0.000890	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
m,p-Xylene	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Methyl tert-butyl ether	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	0.1	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
n-Butylbenzene	--	<0.0003	<0.0003	<0.005	<0.0003	<0.0003	<0.005	<0.0003	<0.0003	<0.005
n-Propylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Naphthalene	0.03	<0.005	<0.005	<0.0003	<0.005	<0.005	<0.0003	<0.005	<0.005	<0.0003
o-Xylene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
p-Isopropyltoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
sec-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Styrene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
tert-Butylbenzene	--	0.00102	0.00071	0.000820	<0.0003	<0.0003	<0.0003	0.00076	0.00057	0.000550
Tetrachloroethene	--	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Toluene	0.75	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
trans-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
trans-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Trichloroethene	0.1	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Trichlorofluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Xylenes (total)	0.62	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
Vinyl chloride	0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Notes

Volatiles analyzed via EPA SW846 Method 8260B by DHL Analytical, Inc.

All values reported in Milligrams per liter (mg/L, parts per million).

Blue indicates the compound was detected.

< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	EB-08 3/27/07	EB-08 6/18/07	EB-08 9/17/07
1,1,1,2-Tetrachloroethane	0.01	<0.02	<0.0002	<0.001
1,1,1-Trichloroethane	0.06	<0.02	0.00021	<0.001
1,1,2,2-Tetrachloroethane	0.01	<0.02	<0.0002	<0.001
1,1,2-Trichloroethane	0.01	<0.02	<0.0002	<0.001
1,1-Dichloroethane	0.025	<0.02	0.0002	<0.001
1,1-Dichloroethene	0.005	<0.02	<0.0002	<0.001
1,1-Dichloropropene	--	<0.02	<0.0002	<0.001
1,2,3-Trichlorobenzene	--	<0.2	<0.002	<0.01
1,2,3-Trichloropropane	--	<0.03	<0.0003	<0.0015
1,2,4-Trichlorobenzene	--	<0.2	<0.002	<0.01
1,2,4-Trimethylbenzene	--	0.239	0.312	0.245
1,2-Dibromo-3-Chloropropane	--	<0.3	<0.003	<0.015
1,2-Dibromoethane (EDB)	--	<0.02	<0.0002	<0.001
1,2-Dichlorobenzene (ortho)	--	<0.03	0.00083	<0.0015
1,2-Dichloroethane (EDC)	0.01	<0.03	<0.0003	<0.0015
1,2-Dichloropropane	--	<0.02	<0.0002	<0.001
1,3,5-Trimethylbenzene	--	<002	0.109	0.0722
1,3-Dichlorobenzene (meta)	--	<0.03	<0.0003	<0.0015
1,3-Dichloropropane	--	<0.02	<0.0002	<0.001
1,4-Dichlorobenzene (para)	--	<0.03	<0.0003	<0.0015
2,2-Dichloropropane	--	<0.02	<0.0002	<0.001
2-Butanone	--	<0.5	<0.005	<0.025
2-Chloroethyl vinyl ether	--	<0.5	<0.005	<0.025
2-Chlorotoluene	--	<0.03	<0.0003	<0.0015
2-Hexanone	--	<0.5	0.00714	<0.025
4-Chlorotoluene	--	<0.03	<0.0003	<0.0015
4-Methyl-2-pentanone	--	<0.5	<0.005	<0.025
Acetone	--	<0.5	<0.0002	<0.025
Benzene	0.01	**4.59**	**4.95**	**3.84**
Bromobenzene	--	<0.02	<0.0002	<0.001
Bromochloromethane	--	<0.02	<0.0002	<0.001
Bromodichloromethane	--	<0.02	<0.0002	<0.001
Bromoform	--	<0.02	<0.0002	<0.001
Bromomethane	--	<0.03	<0.0003	<0.0015
Carbon disulfide	--	<0.5	0.00596	<0.025
Carbon tetrachloride	0.01	<0.02	<0.0002	<0.001
Chlorobenzene	--	<0.02	<0.0002	<0.001

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	EB-08 3/27/07	EB-08 6/18/07	EB-08 9/17/07
Chloroethane	--	<0.03	<0.0003	<0.0015
Chloroform	0.1	<0.03	<0.0003	<0.0015
Chloromethane	--	<0.03	<0.0003	<0.0015
cis-1,2-Dichloroethene	--	<0.02	<0.0002	<0.001
cis-1,3-Dichloropropene	--	<0.02	<0.0002	<0.001
Dibromochloromethane	--	<0.02	<0.0002	<0.001
Dibromomethane	0.0001	<0.02	<0.0002	<0.001
Dichlorodifluoromethane	--	<0.02	<0.0002	<0.001
Ethylbenzene	9.75	1.3	1.48	0.973
Hexachlorobutadiene	--	<0.1	<0.001	<0.005
Iodomethane	--	<0.5	<0.005	<0.025
Isopropylbenzene	--	0.083	0.128	0.100
m,p-Xylene	--	1.79	2.20	1.35
Methyl tert-butyl ether	--	<0.03	<0.0003	<0.0015
Methylene chloride	0.1	<0.25	<0.0025	<0.0125
n-Butylbenzene	--	<0.03	0.00653	0.0574
n-Propylbenzene	--	0.073	0.1414	0.00670
Naphthalene	0.03	<0.5	0.0838	0.0846
o-Xylene	--	0.239	0.343	0.214
p-Isopropyltoluene	--	<0.03	0.0245	0.0163
sec-Butylbenzene	--	<0.03	<0.0003	<0.0015
Styrene	--	<0.02	<0.0002	<0.001
tert-Butylbenzene	--	<0.03	<0.0003	<0.0015
Tetrachloroethene	--	<0.07	<0.0007	<0.0035
Toluene	0.75	0.524	0.676	0.429
trans-1,2-Dichloroethene	--	<0.02	<0.0002	<0.001
trans-1,3-Dichloropropene	--	<0.02	<0.0002	<0.001
Trichloroethene	0.1	<0.07	<0.0007	<0.0035
Trichlorofluoromethane	--	<0.02	<0.0002	<0.001
Xylenes (total)	0.62	**2.029**	**2.543**	**1.564**
Vinyl chloride	0.001	<0.01	<0.0001	<0.0005

Notes

Volatiles analyzed via EPA SW846 Method 8260B by DHL Analytical, Inc.

All values reported in Milligrams per liter (mg/L, parts per million).

Blue indicates the compound was detected.

< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	P-01 3/26/07	P-01 6/18/07	P-01 9/17/07	P-02 3/27/07	P-02 6/19/07	P-02 9/17/07	P-03 3/27/07	P-03 6/18/07	P-03 9/17/07
1,1,1,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,1-Trichloroethane	0.06	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2-Trichloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethane	0.025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethene	0.005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2,3-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2,4-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,4-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	0.129	0.00355	<0.002	<0.002	<0.002
1,2-Dibromo-3-Chloropropane	--	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dibromoethane (EDB)	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2-Dichlorobenzene (ortho)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2-Dichloroethane (EDC)	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,3,5-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichlorobenzene (meta)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,3-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,4-Dichlorobenzene (para)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chloroethyl vinyl ether	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2-Hexanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
4-Methyl-2-pentanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acetone	--	0.0075	<0.005	<0.005	<0.005	0.067	<0.005	0.0117	<0.005	<0.005
Benzene	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00206	0.00507	0.0057	**0.0154**
Bromobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromodichloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromoform	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromomethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Carbon disulfide	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	P-01 3/26/07	P-01 6/18/07	P-01 9/17/07	P-02 3/27/07	P-02 6/19/07	P-02 9/17/07	P-03 3/27/07	P-03 6/18/07	P-03 9/17/07
Chloroethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chloroform	0.1	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.000300	<0.0003	<0.0003	<0.0003
Chloromethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
cis-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromomethane	0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dichlorodifluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ethylbenzene	9.75	<0.0003	<0.0003	<0.0003	<0.0003	0.45	0.00309	<0.0003	<0.0003	<0.0003
Hexachlorobutadiene	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iodomethane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Isopropylbenzene	--	0.0285	0.0220	0.0229	<0.0002	0.0622	0.0344	0.00055	0.00164	0.00154
m,p-Xylene	--	<0.0006	<0.0006	<0.0006	<0.0006	0.206	0.00750	<0.0006	<0.0006	<0.0006
Methyl tert-butyl ether	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	0.1	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
n-Butylbenzene	--	<0.0003	<0.0003	<0.005	<0.0003	0.0059	<0.005	<0.0003	<0.0003	<0.005
n-Propylbenzene	--	<0.0003	0.00077	0.000680	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Naphthalene	0.03	<0.005	0.00045	<0.0003	<0.005	<0.005	0.000780	<0.005	<0.005	<0.0003
o-Xylene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
p-Isopropyltoluene	--	<0.0003	0.00062	<0.0003	<0.0003	0.0115	0.000970	<0.0003	<0.0003	<0.0003
sec-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Styrene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
tert-Butylbenzene	--	0.00167	0.00136	0.00122	<0.0003	0.005	0.00132	0.00078	0.00064	0.000720
Tetrachloroethene	--	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Toluene	0.75	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
trans-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
trans-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Trichloroethene	0.1	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Trichlorofluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Xylenes (total)	0.62	<0.0009	<0.0009	<0.0009	<0.0009	0.206	0.0075	<0.0009	<0.0009	0.00154
Vinyl chloride	0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	P-04 3/27/07	P-04 6/18/07	P-04 9/17/07	P-05 3/27/07	P-05 6/18/07	P-05 9/17/07
1,1,1,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,1-Trichloroethane	0.06	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2-Trichloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethane	0.025	0.00039	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethene	0.005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2,3-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2,4-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,4-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dibromo-3-Chloropropane	--	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dibromoethane (EDB)	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2-Dichlorobenzene (ortho)	--	<0.0003	<0.0003	<0.0003	0.0006	0.00063	0.000600
1,2-Dichloroethane (EDC)	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,3,5-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichlorobenzene (meta)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,3-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,4-Dichlorobenzene (para)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chloroethyl vinyl ether	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2-Hexanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
4-Methyl-2-pentanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acetone	--	0.0203	<0.005	<0.005	0.0239	<0.005	<0.005
Benzene	0.01	<0.0002	<0.0002	0.000410	<0.0002	<0.0002	<0.0002
Bromobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromodichloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromoform	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromomethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Carbon disulfide	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	P-04 3/27/07	P-04 6/18/07	P-04 9/17/07	P-05 3/27/07	P-05 6/18/07	P-05 9/17/07
Chloroethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chloroform	0.1	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chloromethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
cis-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromomethane	0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dichlorodifluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ethylbenzene	9.75	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Hexachlorobutadiene	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iodomethane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Isopropylbenzene	--	<0.0002	<0.0002	0.000780	<0.0002	<0.0002	<0.0002
m,p-Xylene	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Methyl tert-butyl ether	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	0.1	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
n-Butylbenzene	--	<0.0003	<0.0003	<0.005	<0.0003	<0.0003	<0.005
n-Propylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Naphthalene	0.03	<0.005	<0.005	<0.0003	<0.005	<0.005	<0.0003
o-Xylene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
p-Isopropyltoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
sec-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Styrene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
tert-Butylbenzene	--	0.00097	0.00058	0.000600	0.00112	0.0008	0.000950
Tetrachloroethene	--	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Toluene	0.75	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
trans-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
trans-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Trichloroethene	0.1	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Trichlorofluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Xylenes (total)	0.62	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
Vinyl chloride	0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Notes

Volatiles analyzed via EPA SW846 Method 8260B by DHL Analytical, Inc.

All values reported in Milligrams per liter (mg/L, parts per million).

Blue indicates the compound was detected.

< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	Trip Blank-01 3/26/07	Trip Blank-01 6/18/07	Trip Blank-01 9/17/07	Trip Blank-02 3/27/07	Trip Blank-02 6/18/07	Trip Blank-02 9/18/07	Trip Blank-03 3/28/07	Trip Blank-03 6/19/07
1,1,1,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,1-Trichloroethane	0.06	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2-Trichloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethane	0.025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethene	0.005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2,3-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2,4-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,4-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dibromo-3-Chloropropane	--	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dibromoethane (EDB)	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2-Dichlorobenzene (ortho)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2-Dichloroethane (EDC)	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,3,5-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichlorobenzene (meta)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,3-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,4-Dichlorobenzene (para)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chloroethyl vinyl ether	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chlorotoluene	--	<0.0003	<0.0003	0.000700	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2-Hexanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chlorotoluene	--	<0.0003	<0.0003	0.000750	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
4-Methyl-2-pentanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acetone	--	<0.0002	<0.0002	0.00744	<0.0002	<0.0002	<0.005	<0.0002	<0.0002
Benzene	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromodichloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromoform	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromomethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Carbon disulfide	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	Trip Blank-01 3/26/07	Trip Blank-01 6/18/07	Trip Blank-01 9/17/07	Trip Blank-02 3/27/07	Trip Blank-02 6/18/07	Trip Blank-02 9/18/07	Trip Blank-03 3/28/07	Trip Blank-03 6/19/07
Chloroethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chloroform	0.1	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chloromethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
cis-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromomethane	0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dichlorodifluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ethylbenzene	9.75	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Hexachlorobutadiene	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iodomethane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Isopropylbenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
m,p-Xylene	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Methyl tert-butyl ether	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	0.1	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
n-Butylbenzene	--	<0.0003	<0.0003	<0.005	<0.0003	<0.0003	<0.005	<0.0003	<0.0003
n-Propylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Naphthalene	0.03	<0.005	<0.005	<0.0003	<0.005	<0.005	<0.0003	<0.005	<0.005
o-Xylene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
p-Isopropyltoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
sec-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Styrene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
tert-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Tetrachloroethene	--	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Toluene	0.75	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
trans-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
trans-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Trichloroethene	0.1	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Trichlorofluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Xylenes (total)	0.62	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
Vinyl chloride	0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	Trip Blank-04 3/29/07	Trip Blank-04 6/20/07
1,1,1,2-Tetrachloroethane	0.01	<0.0002	<0.0002
1,1,1-Trichloroethane	0.06	<0.0002	<0.0002
1,1,2,2-Tetrachloroethane	0.01	<0.0002	<0.0002
1,1,2-Trichloroethane	0.01	<0.0002	<0.0002
1,1-Dichloroethane	0.025	<0.0002	<0.0002
1,1-Dichloroethene	0.005	<0.0002	<0.0002
1,1-Dichloropropene	--	<0.0002	<0.0002
1,2,3-Trichlorobenzene	--	<0.002	<0.002
1,2,3-Trichloropropane	--	<0.0003	<0.0003
1,2,4-Trichlorobenzene	--	<0.002	<0.002
1,2,4-Trimethylbenzene	--	<0.002	<0.002
1,2-Dibromo-3-Chloropropane	--	<0.003	<0.003
1,2-Dibromoethane (EDB)	--	<0.0002	<0.0002
1,2-Dichlorobenzene (ortho)	--	<0.0003	<0.0003
1,2-Dichloroethane (EDC)	0.01	<0.0003	<0.0003
1,2-Dichloropropane	--	<0.0002	<0.0002
1,3,5-Trimethylbenzene	--	<0.002	<0.002
1,3-Dichlorobenzene (meta)	--	<0.0003	<0.0003
1,3-Dichloropropane	--	<0.0002	<0.0002
1,4-Dichlorobenzene (para)	--	<0.0003	<0.0003
2,2-Dichloropropane	--	<0.0002	<0.0002
2-Butanone	--	<0.005	<0.005
2-Chloroethyl vinyl ether	--	<0.005	<0.005
2-Chlorotoluene	--	<0.0003	<0.0003
2-Hexanone	--	<0.005	<0.005
4-Chlorotoluene	--	<0.0003	<0.0003
4-Methyl-2-pentanone	--	<0.005	<0.005
Acetone	--	<0.0002	<0.0002
Benzene	0.01	<0.0002	<0.0002
Bromobenzene	--	<0.0002	<0.0002
Bromochloromethane	--	<0.0002	<0.0002
Bromodichloromethane	--	<0.0002	<0.0002
Bromoform	--	<0.0002	<0.0002
Bromomethane	--	<0.0003	<0.0003
Carbon disulfide	--	<0.005	<0.005
Carbon tetrachloride	0.01	<0.0002	<0.0002
Chlorobenzene	--	<0.0002	<0.0002

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	Trip Blank-04 3/29/07	Trip Blank-04 6/20/07
Chloroethane	--	<0.0003	<0.0003
Chloroform	0.1	<0.0003	<0.0003
Chloromethane	--	<0.0003	<0.0003
cis-1,2-Dichloroethene	--	<0.0002	<0.0002
cis-1,3-Dichloropropene	--	<0.0002	<0.0002
Dibromochloromethane	--	<0.0002	<0.0002
Dibromomethane	0.0001	<0.0002	<0.0002
Dichlorodifluoromethane	--	<0.0002	<0.0002
Ethylbenzene	9.75	<0.0003	<0.0003
Hexachlorobutadiene	--	<0.001	<0.001
Iodomethane	--	<0.005	<0.005
Isopropylbenzene	--	<0.0002	<0.0002
m,p-Xylene	--	<0.0006	<0.0006
Methyl tert-butyl ether	--	<0.0003	<0.0003
Methylene chloride	0.1	<0.0025	<0.0025
n-Butylbenzene	--	<0.0003	<0.0003
n-Propylbenzene	--	<0.0003	<0.0003
Naphthalene	0.03	<0.005	<0.005
o-Xylene	--	<0.0003	<0.0003
p-Isopropyltoluene	--	<0.0003	<0.0003
sec-Butylbenzene	--	<0.0003	<0.0003
Styrene	--	<0.0002	<0.0002
tert-Butylbenzene	--	<0.0003	<0.0003
Tetrachloroethene	--	<0.0007	<0.0007
Toluene	0.75	<0.0007	<0.0007
trans-1,2-Dichloroethene	--	<0.0002	<0.0002
trans-1,3-Dichloropropene	--	<0.0002	<0.0002
Trichloroethene	0.1	<0.0007	<0.0007
Trichlorofluoromethane	--	<0.0002	<0.0002
Xylenes (total)	0.62	<0.0009	<0.0009
Vinyl chloride	0.001	<0.0001	<0.0001

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	Duplicate-01 (EB-07) 3/27/07	Duplicate-01 (EB-06) 6/18/07	Duplicate-01 (MW-02-04) 9/17/07	Duplicate-02 (MW-08) 3/28/07	Duplicate-02 (MW-05) 6/19/07	Duplicate-02 (MW-02-03) 9/18/07	Equipment Rinse-01 3/28/07	Equipment Rinse-01 6/18/07
1,1,1,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,1-Trichloroethane	0.06	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2-Trichloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethane	0.025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethene	0.005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2,3-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2,4-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,4-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dibromo-3-Chloropropane	--	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dibromoethane (EDB)	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2-Dichlorobenzene (ortho)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2-Dichloroethane (EDC)	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,3,5-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichlorobenzene (meta)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,3-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,4-Dichlorobenzene (para)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chloroethyl vinyl ether	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2-Hexanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
4-Methyl-2-pentanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acetone	--	<0.0002	<0.0002	<0.005	0.00507	<0.005	<0.005	0.00667	<0.005
Benzene	0.01	<0.0002	<0.0002	<0.0002	0.0032	<0.0002	0.000750	<0.0002	<0.0002
Bromobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromodichloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromoform	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromomethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Carbon disulfide	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	Duplicate-01 (EB-07) 3/27/07	Duplicate-01 (EB-06) 6/18/07	Duplicate-01 (MW-02-04) 9/17/07	Duplicate-02 (MW-08) 3/28/07	Duplicate-02 (MW-05) 6/19/07	Duplicate-02 (MW-02-03) 9/18/07	Equipment Rinse-01 3/28/07	Equipment Rinse-01 6/18/07
Chloroethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chloroform	0.1	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chloromethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
cis-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromomethane	0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dichlorodifluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ethylbenzene	9.75	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Hexachlorobutadiene	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iodomethane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Isopropylbenzene	--	<0.0002	<0.0002	<0.0002	0.00054	<0.0002	0.000610	<0.0002	<0.0002
m,p-Xylene	--	<0.0006	<0.0006	<0.0006	0.00086	<0.0006	0.00120	<0.0006	<0.0006
Methyl tert-butyl ether	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	0.1	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
n-Butylbenzene	--	<0.0003	<0.0003	<0.005	<0.0003	<0.0003	<0.005	<0.0003	<0.0003
n-Propylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Naphthalene	0.03	<0.005	<0.005	<0.0003	<0.005	<0.005	<0.0003	<0.005	<0.005
o-Xylene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
p-Isopropyltoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
sec-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Styrene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
tert-Butylbenzene	--	0.00069	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Tetrachloroethene	--	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Toluene	0.75	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	0.00362	0.00181
trans-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
trans-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Trichloroethene	0.1	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Trichlorofluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Xylenes (total)	0.62	<0.0009	<0.0009	<0.0009	0.00086	<0.0009	0.0012	<0.0009	<0.0009
Vinyl chloride	0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	Equipment Rinse-01 9/17/07	Equipment Rinse-02 3/29/07	Field Blank-01 3/28/07	Field Blank-01 6/20/07	Field Blank-01 9/18/07	Field Blank-02 3/29/07
1,1,1,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,1-Trichloroethane	0.06	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2,2-Tetrachloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1,2-Trichloroethane	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethane	0.025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloroethene	0.005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,1-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2,3-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2,4-Trichlorobenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2,4-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,2-Dibromo-3-Chloropropane	--	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dibromoethane (EDB)	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,2-Dichlorobenzene (ortho)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2-Dichloroethane (EDC)	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,3,5-Trimethylbenzene	--	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1,3-Dichlorobenzene (meta)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
1,3-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1,4-Dichlorobenzene (para)	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2,2-Dichloropropane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2-Butanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chloroethyl vinyl ether	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
2-Hexanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chlorotoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
4-Methyl-2-pentanone	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acetone	--	<0.005	<0.005	<0.005	0.0096	<0.005	0.00876
Benzene	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromochloromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Bromodichloromethane	--	<0.0002	<0.0002	<0.0002	0.002	<0.0002	<0.0002
Bromoform	--	<0.0002	<0.0002	<0.0002	0.00029	<0.0002	<0.0002
Bromomethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Carbon disulfide	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chlorobenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Volatile Organic Compounds	NMWQCC Standard	Equipment Rinse-01 9/17/07	Equipment Rinse-02 3/29/07	Field Blank-01 3/28/07	Field Blank-01 6/20/07	Field Blank-01 9/18/07	Field Blank-02 3/29/07
Chloroethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Chloroform	0.1	<0.0003	<0.0003	<0.0003	0.00137	<0.0003	<0.0003
Chloromethane	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
cis-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
cis-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromochloromethane	--	<0.0002	<0.0002	<0.0002	0.0017	<0.0002	<0.0002
Dibromomethane	0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dichlorodifluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ethylbenzene	9.75	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Hexachlorobutadiene	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iodomethane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Isopropylbenzene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
m,p-Xylene	--	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Methyl tert-butyl ether	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Methylene chloride	0.1	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
n-Butylbenzene	--	<0.005	<0.0003	<0.0003	<0.0003	<0.005	<0.0003
n-Propylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Naphthalene	0.03	<0.0003	<0.005	<0.005	<0.005	<0.0003	<0.005
o-Xylene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
p-Isopropyltoluene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
sec-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Styrene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
tert-Butylbenzene	--	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Tetrachloroethene	--	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Toluene	0.75	0.000840	0.00473	0.00545	<0.0007	0.0128	0.00569
trans-1,2-Dichloroethene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
trans-1,3-Dichloropropene	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Trichloroethene	0.1	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007	<0.0007
Trichlorofluoromethane	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Xylenes (total)	0.62	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
Vinyl chloride	0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Notes

Volatiles analyzed via EPA SW846 Method 8260B by DHL Analytical, Inc.

All values reported in Milligrams per liter (mg/L, parts per million).

Blue indicates the compound was detected.

< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	MW-02 3/27/07	MW-02 6/18/07	MW-02 9/17/07	MW-02-02 3/27/07	MW-02-02 6/19/07	MW-02-02 9/18/07	MW-02-03 3/29/07	MW-02-03 6/19/07
Acenaphthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Acenaphthylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[b]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[g,h,i]perylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[k]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chrysene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dibenz[a,h]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluorene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Indeno[1,2,3-cd]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Naphthalene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Phenanthrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Notes
Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
Blue indicates the compound was detected.
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	MW-02-03 9/18/07	MW-02-04 3/28/07	MW-02-04 6/18/07	MW-02-04 9/17/07	MW-02-05 3/27/07	MW-02-05 6/19/07	MW-02-05 9/18/07	MW-02-06 3/28/07
Acenaphthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Acenaphthylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Benzo[a]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Benzo[a]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Benzo[b]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Benzo[g,h,i]perylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Benzo[k]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Chrysene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Dibenz[a,h]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Fluorene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Indeno[1,2,3-cd]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Naphthalene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	0.00357
Phenanthrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	<0.0005
Pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000111	<0.0001	0.000967

Notes
Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
Blue indicates the compound was detected.
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	MW-02-06 6/19/07	MW-02-06 9/18/07	MW-02-07 3/28/07	MW-02-07 6/19/07	MW-02-07 9/18/07	MW-02-15 3/29/07	MW-02-15 6/20/07	MW-02-15 9/18/07
Acenaphthene	0.03	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Acenaphthylene	0.03	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Anthracene	0.03	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	0.000173	<0.0001
Benzo[a]anthracene	0.03	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]pyrene	0.03	<0.0001	<0.001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[b]fluoranthene	0.03	<0.0001	<0.001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[g,h,i]perylene	0.03	<0.0001	<0.001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[k]fluoranthene	0.03	<0.0001	<0.001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chrysene	0.03	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dibenz[a,h]anthracene	0.03	<0.0001	<0.001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoranthene	0.03	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluorene	0.03	<0.0001	<0.0001	<0.0002	0.000181	0.000170	<0.0001	<0.0001	<0.0001
Indeno[1,2,3-cd]pyrene	0.03	<0.0001	<0.001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Naphthalene	0.03	0.00332	0.00146	0.0023	0.00322	0.00355	<0.0001	<0.0001	<0.0001
Phenanthrene	0.03	<0.0001	<0.0001	<0.0002	0.000149	0.000164	<0.0001	0.000174	<0.0001
Pyrene	0.03	0.00103	0.000162	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001

Notes
Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
Blue indicates the compound was detected.
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	MW-02-16 3/29/07	MW-02-16 6/19/07	MW-02-16 9/18/07
Acenaphthene	0.03	<0.0001	<0.0001	<0.0001
Acenaphthylene	0.03	<0.0001	<0.0001	<0.0001
Anthracene	0.03	<0.0001	<0.0001	<0.0001
Benzo[a]anthracene	0.03	<0.0001	<0.0001	<0.0001
Benzo[a]pyrene	0.03	<0.0001	<0.0001	<0.0001
Benzo[b]fluoranthene	0.03	<0.0001	<0.0001	<0.0001
Benzo[g,h,i]perylene	0.03	<0.0001	<0.0001	<0.0001
Benzo[k]fluoranthene	0.03	<0.0001	<0.0001	<0.0001
Chrysene	0.03	<0.0001	<0.0001	<0.0001
Dibenz[a,h]anthracene	0.03	<0.0001	<0.0001	<0.0001
Fluoranthene	0.03	<0.0001	<0.0001	<0.0001
Fluorene	0.03	<0.0001	<0.0001	<0.0001
Indeno[1,2,3-cd]pyrene	0.03	<0.0001	<0.0001	<0.0001
Naphthalene	0.03	<0.0001	0.000431	<0.0001
Phenanthrene	0.03	<0.0001	<0.0001	<0.0001
Pyrene	0.03	<0.0001	<0.0001	<0.0001

Notes
Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
Blue indicates the compound was detected.
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	MW-02-18 3/28/07	MW-02-18 6/19/07	MW-02-18 9/18/07	MW-03-01 3/28/07	MW-03-01 6/19/07	MW-03-01 9/18/07	MW-03-02 3/29/07	MW-03-02 6/19/07
Acenaphthene	0.03	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001
Acenaphthylene	0.03	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001
Anthracene	0.03	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]anthracene	0.03	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]pyrene	0.03	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[b]fluoranthene	0.03	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[g,h,i]perylene	0.03	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[k]fluoranthene	0.03	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001
Chrysene	0.03	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001
Dibenz[a,h]anthracene	0.03	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001
Fluoranthene	0.03	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	0.000170	<0.0001	<0.0001
Fluorene	0.03	<0.0002	<0.0001	<0.0001	0.00105	0.000493	0.00102	0.000192	0.000292
Indeno[1,2,3-cd]pyrene	0.03	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001
Naphthalene	0.03	0.000636	0.000754	0.000374	0.0016	0.000702	0.00235	<0.0001	<0.0001
Phenanthrene	0.03	<0.0002	<0.0001	<0.0001	0.000767	0.000478	0.00121	<0.0001	<0.0001
Pyrene	0.03	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001

Notes
Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
Blue indicates the compound was detected.
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	MW-03-03 3/28/07	MW-03-03 6/19/07	MW-03-03 9/18/07	MW-05 3/29/07	MW-05 6/19/07	MW-05 9/18/07	MW-07 3/28/07	MW-07 6/19/07
Acenaphthene	0.03	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Acenaphthylene	0.03	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Anthracene	0.03	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Benzo[a]anthracene	0.03	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Benzo[a]pyrene	0.03	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Benzo[b]fluoranthene	0.03	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Benzo[g,h,i]perylene	0.03	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Benzo[k]fluoranthene	0.03	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Chrysene	0.03	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Dibenz[a,h]anthracene	0.03	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Fluoranthene	0.03	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Fluorene	0.03	0.00188	0.000302	0.000166	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Indeno[1,2,3-cd]pyrene	0.03	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Naphthalene	0.03	0.00377	0.00115	0.000775	<0.0001	<0.0001	<0.0001	0.0011	0.00164
Phenanthrene	0.03	0.00276	0.000501	0.000239	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Pyrene	0.03	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001

Notes
Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
Blue indicates the compound was detected.
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	MW-07 9/18/07	MW-08 3/28/07	MW-08 6/19/07	MW-08 9/18/07
Acenaphthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Acenaphthylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[b]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[g,h,i]perylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[k]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Chrysene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Dibenz[a,h]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Fluorene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Indeno[1,2,3-cd]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Naphthalene	0.03	0.000399	<0.0001	<0.0001	<0.0001
Phenanthrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001
Pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001

Notes
Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
Blue indicates the compound was detected.
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	EB-01 3/27/07	EB-01 6/18/07	EB-01 9/17/07	EB-02 3/27/07	EB-02 6/18/07	EB-02 9/17/07	EB-03 3/27/07	EB-04 3/27/07
Acenaphthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Acenaphthylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Benzo[a]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Benzo[a]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Benzo[b]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Benzo[g,h,i]perylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Benzo[k]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Chrysene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Dibenz[a,h]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Fluorene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Indeno[1,2,3-cd]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Naphthalene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001
Phenanthrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00115	<0.0001
Pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001

Notes
Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
Blue indicates the compound was detected.
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	EB-04 6/18/07	EB-04 9/17/07	EB-05 3/26/07	EB-05 6/18/07	EB-05 9/17/07	EB-06 3/26/07	EB-06 6/18/07	EB-06 9/17/07
Acenaphthene	0.03	<0.0001	<0.0001	0.000115	0.0001	0.000165	<0.0001	<0.0001	<0.0001
Acenaphthylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[b]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[g,h,i]perylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[k]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chrysene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dibenz[a,h]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluorene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Indeno[1,2,3-cd]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Naphthalene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Phenanthrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Notes

Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas

All values reported in Milligrams per liter (mg/L, parts per million).

Blue indicates the compound was detected.

< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	EB-07 3/27/07	EB-07 6/18/07	EB-07 9/17/07	EB-08 3/27/07	EB-08 6/18/07	EB-08 9/17/07
Acenaphthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Acenaphthylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.000108
Benzo[a]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[b]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[g,h,i]perylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[k]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chrysene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	0.000179	<0.0001
Dibenz[a,h]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluorene	0.03	<0.0001	<0.0001	<0.0001	0.00185	0.00222	0.00152
Indeno[1,2,3-cd]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Naphthalene	0.03	<0.0001	<0.0001	<0.0001	**0.0317**	**0.0504**	0.0290
Phenanthrene	0.03	<0.0001	<0.0001	<0.0001	0.00173	0.00221	0.00177
Pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Notes
Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
Blue indicates the compound was detected.
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	P-01 3/26/07	P-01 6/18/07	P-01 9/17/07	P-02 3/27/07	P-02 6/19/07	P-02 9/17/07	P-03 3/27/07	P-03 6/18/07	P-03 9/17/07
Acenaphthene	0.03	0.000173	0.000247	0.000224	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Acenaphthylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[b]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[g,h,i]perylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[k]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chrysene	0.03	<0.0001	0.000185	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dibenz[a,h]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluorene	0.03	0.00351	0.00174	0.000355	<0.0001	0.00113	0.000766	<0.0001	<0.0001	<0.0001
Indeno[1,2,3-cd]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Naphthalene	0.03	<0.0001	<0.0001	0.000169	<0.0001	0.00371	<0.0001	<0.0001	<0.0001	<0.0001
Phenanthrene	0.03	<0.0001	0.00112	0.000154	<0.0001	0.000478	<0.0001	<0.0001	<0.0001	<0.0001
Pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Notes
Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
Blue indicates the compound was detected.
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Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	P-04 3/27/07	P-04 6/18/07	P-04 9/17/07	P-05 3/27/07	P-05 6/18/07	P-05 9/17/07
Acenaphthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Acenaphthylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[b]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[g,h,i]perylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[k]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chrysene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dibenz[a,h]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluorene	0.03	0.000257	0.000161	0.000124	<0.0001	<0.0001	<0.0001
Indeno[1,2,3-cd]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Naphthalene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Phenanthrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Notes

Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas

All values reported in Milligrams per liter (mg/L, parts per million).

Blue indicates the compound was detected.

< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	Duplicate-01 (EB-07) 3/27/07	Duplicate-01 (EB-06) 6/18/07	Duplicate-01 (MW-02-04) 9/17/07	Duplicate-02 (MW-08) 3/28/07	Duplicate-02 (MW-05) 6/19/07	Duplicate-02 (MW-02-03) 9/18/07	Equipment Rinse-01 3/28/07
Acenaphthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Acenaphthylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[b]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[g,h,i]perylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[k]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chrysene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dibenz[a,h]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluorene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Indeno[1,2,3-cd]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Naphthalene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Phenanthrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Notes
Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
Blue indicates the compound was detected.
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Polycyclic Aromatic Hydrocarbons (PAHs)	NMWQCC Standard	Equipment Rinse-01 6/18/07	Equipment Rinse-01 9/17/07	Equipment Rinse-02 3/29/07	Field Blank-01 3/28/07	Field Blank-01 6/20/07	Field Blank-01 9/18/07	Field Blank-02 3/29/07
Acenaphthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Acenaphthylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[a]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[b]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[g,h,i]perylene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzo[k]fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chrysene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dibenz[a,h]anthracene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoranthene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluorene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Indeno[1,2,3-cd]pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Naphthalene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Phenanthrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Pyrene	0.03	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

Notes

Semivolatiles analyzed via EPA SW846 Method 8270C by DHL Analytical, Inc., Round Rock, Texas

All values reported in Milligrams per liter (mg/L, parts per million).

Blue indicates the compound was detected.

< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Dissolved Metals	NMWQCC Standard	MW-02 3/27/07	MW-02 6/18/07	MW-02 9/17/07	MW-02-02 3/27/07	MW-02-02 6/19/07	MW-02-02 9/18/07	MW-02-03 3/29/07	MW-02-03 6/20/07	MW-02-03 9/18/07	MW-02-04 3/28/07
Arsenic	0.1	0.0198	0.0159	0.00887	0.0485	<0.1	<0.02	0.00369	0.00283	<0.002	0.00339
Barium	1	0.1550	0.0982	0.0677	<0.03	<0.15	<0.03	0.0102	0.00972	0.00813	0.0210
Cadmium	0.01	<0.0003	<0.0003	<0.0003	<0.003	<0.015	<0.003	<0.0003	<0.0003	<0.0003	<0.0003
Calcium	--	555	620	536	256	329	263	474	567	561	510
Chromium	0.05	0.00265	0.00228	<0.002	<0.02	<0.2	<0.02	0.0484	0.0467	0.0429	<0.002
Lead	0.05	<0.0003	<0.0003	<0.0003	<0.003	<0.015	<0.006	<0.0003	0.000334	<0.0003	<0.0003
Magnesium	--	65.3	77.6	40.3	49,500	43,200	39400	120	126	117	116
Mercury	0.002	<0.00008	<0.00008	<0.00008	<0.0008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Potassium	--	9.72	8.25	4.68	1,840	1,930	1910	5.02	4.88	3.62	13.2
Selenium	0.05	0.00926	0.01820	0.00686	<0.02	**0.10500**	<0.04	0.00513	0.00426	0.00758	<0.002
Silver	0.05	<0.001	<0.001	<0.001	<0.01	<0.05	<0.01	<0.001	<0.001	<0.001	<0.001
Sodium	--	131	113	51.8	53,600	30,200	25700	55.6	69.0	67.9	69.9

Notes
Metals analyzed via EPA SW846 Method 6020 by DHL Analytical Inc., Round Rock, Texas
Mercury analyzed via EPA SW846 Method 7470A by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Dissolved Metals	NMWQCC Standard	MW-02-04 6/18/07	MW-02-04 9/17/07	MW-02-05 3/27/07	MW-02-05 6/19/07	MW-02-05 9/18/07	MW-02-06 3/28/07	MW-02-06 6/20/07	MW-02-06 9/18/07	MW-02-07 3/28/07	MW-02-07 6/19/07
Arsenic	0.1	<0.002	0.00393	0.0422	<0.1	<0.02	0.00783	0.00289	0.00214	0.00354	0.00356
Barium	1	0.0204	0.0210	<0.03	<0.15	<0.03	0.0245	0.0243	0.0225	0.0262	0.0267
Cadmium	0.01	<0.0003	<0.0003	<0.003	<0.015	<0.003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Calcium	--	612	574	260	325	288	480	604	596	522	545
Chromium	0.05	<0.002	<0.002	<0.02	<0.2	<0.02	<0.002	<0.002	0.00233	<0.002	0.00361
Lead	0.05	<0.0003	<0.0003	<0.003	<0.015	<0.006	<0.0003	0.000413	<0.0003	<0.0003	<0.0003
Magnesium	--	120	121	50,800	43,600	42800	206	140	146	71.8	67.7
Mercury	0.002	<0.00008	<0.00008	<0.0008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Potassium	--	11.7	10.4	1,190	1,180	1180	8.52	8.08	7.17	8.85	8.94
Selenium	0.05	0.00377	0.00617	<0.02	<0.1	<0.002	<0.002	<0.002	0.00615	<0.002	<0.002
Silver	0.05	<0.001	<0.001	<0.01	<0.05	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	--	78.4	75.0	53,200	28,900	28500	58.4	31.8	29.9	114	111

Notes
Metals analyzed via EPA SW846 Method 6020 by DHL Analytical Inc., Round Rock, Texas
Mercury analyzed via EPA SW846 Method 7470A by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Dissolved Metals	NMWQCC Standard	MW-02-07 9/18/07	MW-02-15 3/29/07	MW-02-15 6/20/07	MW-02-15 9/18/07	MW-02-16 3/29/07	MW-02-16 6/19/07	MW-02-16 9/18/07
Arsenic	0.1	0.00247	0.0143	0.0147	0.00978	0.0140	0.0089	<0.002
Barium	1	0.0238	0.0188	0.016	0.0139	0.01	0.01	0.0125
Cadmium	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Calcium	--	579	564	626	595	490	584	569
Chromium	0.05	0.00449	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Lead	0.05	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Magnesium	--	64.2	68.5	73.7	64.5	126	138	136
Mercury	0.002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Potassium	--	7.28	7.15	6.65	5.88	5.71	7.50	5.02
Selenium	0.05	0.00568	<0.002	<0.002	0.00636	<0.002	<0.002	0.00609
Silver	0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	--	112	150	168	153	332	380	345

Notes
Metals analyzed via EPA SW846 Method 6020 by DHL Analytical Inc., Round Rock, Texas
Mercury analyzed via EPA SW846 Method 7470A by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Dissolved Metals	NMWQCC Standard	MW-02-18 3/28/07	MW-02-18 6/19/07	MW-02-18 9/18/07	MW-03-01 3/28/07	MW-03-01 6/19/07	MW-03-01 9/18/07	MW-03-02 3/29/07	MW-03-02 6/19/07	MW-03-03 3/28/07
Arsenic	0.1	0.00389	<0.002	<0.002	0.00720	0.00677	0.00341	0.00259	0.00201	0.00512
Barium	1	0.0182	0.0193	0.0128	0.0247	0.0224	0.0199	0.0229	0.0181	0.0254
Cadmium	0.01	0.000323	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Calcium	--	515	557	535	571	603	570	544	539	405
Chromium	0.05	<0.002	<0.002	<0.002	<0.002	0.00201	<0.002	<0.002	<0.002	<0.002
Lead	0.05	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Magnesium	--	262	260	227	60	68.4	59.5	104	113	86.8
Mercury	0.002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Potassium	--	2.76	3.37	2.49	7.95	7.75	6.27	6.46	5.53	9.52
Selenium	0.05	<0.002	<0.002	0.00612	<0.002	<0.002	0.00628	<0.002	<0.002	<0.002
Silver	0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	--	115	104	88.3	143	156	148	276	333	148

Notes
Metals analyzed via EPA SW846 Method 6020 by DHL Analytical Inc., Round Rock, Texas
Mercury analyzed via EPA SW846 Method 7470A by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Dissolved Metals	NMWQCC Standard	MW-03-03 6/19/07	MW-03-03 9/18/07	MW-05 3/29/07	MW-05 6/19/07	MW-05 9/18/07	MW-07 3/28/07	MW-07 6/19/07	MW-07 9/18/07
Arsenic	0.1	0.00328	0.00276	0.00233	0.00252	<0.002	0.00245	0.00238	<0.002
Barium	1	0.0248	0.0229	0.0145	0.0124	0.0113	0.016	0.0258	0.0221
Cadmium	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Calcium	--	456	425	558	555	542	491	613	622
Chromium	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	0.0254	0.0247	0.0374
Lead	0.05	<0.0003	<0.0003	<0.0003	<0.0003	0.00119	<0.0003	<0.0003	<0.0003
Magnesium	--	94.8	83.3	136	130	127	128	33.3	39.0
Mercury	0.002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Potassium	--	8.47	7.61	5.69	5.56	4.53	14.4	8.94	7.96
Selenium	0.05	<0.002	0.00649	<0.002	<0.002	0.00418	<0.002	<0.002	0.00589
Silver	0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	--	178	146	199	203	188	74.2	74.2	41.2

Notes
Metals analyzed via EPA SW846 Method 6020 by DHL Analytical Inc., Round Rock, Texas
Mercury analyzed via EPA SW846 Method 7470A by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Dissolved Metals	NMWQCC Standard	MW-08 3/28/07	MW-08 6/19/07	MW-08 9/18/07
Arsenic	0.1	0.00726	0.00491	0.00436
Barium	1	0.0205	0.0189	0.0174
Cadmium	0.01	<0.0003	<0.0003	<0.0003
Calcium	--	479	496	490
Chromium	0.05	<0.002	<0.002	<0.002
Lead	0.05	<0.0003	<0.0003	<0.0003
Magnesium	--	122	136	127
Mercury	0.002	<0.00008	<0.00008	<0.00008
Potassium	--	6.85	6.93	5.39
Selenium	0.05	<0.002	<0.002	0.00512
Silver	0.05	<0.001	<0.001	<0.001
Sodium	--	286	303	288

Notes
Metals analyzed via EPA SW846 Method 6020 by DHL Analytical Inc., Round Rock, Texas
Mercury analyzed via EPA SW846 Method 7470A by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
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Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Dissolved Metals	NMWQCC Standard	EB-01 3/27/07	EB-01 6/18/07	EB-01 9/17/07	EB-02 3/27/07	EB-02 6/18/07	EB-02 9/17/07	EB-03 3/27/07	EB-04 3/27/07	EB-04 6/18/07	EB-04 9/17/07
Arsenic	0.1	0.00298	0.00232	0.00308	<0.002	<0.002	<0.002	<0.002	0.00342	0.00277	0.00288
Barium	1	0.0122	0.0147	0.0156	0.0124	0.0156	0.0123	0.0202	0.0163	0.0165	0.0164
Cadmium	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Calcium	--	508	576	524	496	531	524	545	591	680	636
Chromium	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0615**	**0.0718**	**0.0518**
Lead	0.05	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Magnesium	--	132	135	132	198	305	228	30	126	138	126
Mercury	0.002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Potassium	--	3.56	4.39	4.13	10.1	9.1	8.77	3.93	6.3	6.07	5.44
Selenium	0.05	0.00663	0.00637	0.00901	0.00328	0.00485	0.00631	<0.002	0.00242	<0.002	0.00606
Silver	0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	--	22.2	94.3	131	152	135	152	56.5	208	232	214

Notes
Metals analyzed via EPA SW846 Method 6020 by DHL Analytical Inc., Round Rock, Texas
Mercury analyzed via EPA SW846 Method 7470A by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
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Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Dissolved Metals	NMWQCC Standard	EB-05 3/26/07	EB-05 6/18/07	EB-05 9/17/07	EB-06 3/26/07	EB-06 6/18/07	EB-06 9/17/07	EB-07 3/27/07	EB-07 6/18/07	EB-07 9/17/07	EB-08 3/27/07
Arsenic	0.1	<0.002	<0.002	<0.002	0.00375	<0.002	<0.002	0.02580	0.02730	0.0211	0.00543
Barium	1	0.0290	0.0281	0.0258	0.0155	0.0174	0.0151	0.0158	0.0163	0.0164	0.0259
Cadmium	0.01	<0.0003	<0.0003	0.000503	0.000301	<0.0003	0.000394	<0.0003	<0.0003	0.000320	<0.0003
Calcium	--	682	623	602	684	600	573	562	643	612	646
Chromium	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Lead	0.05	<0.0003	<0.0003	<0.0003	<0.0003	0.00474	0.00197	<0.0003	<0.0003	0.000464	<0.0003
Magnesium	--	12.4	14.3	18.8	142	127	118	97	107	99.6	123
Mercury	0.002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Potassium	--	3.16	3.27	3.33	4.74	4.85	3.68	2.68	2.98	2.65	6.78
Selenium	0.05	<0.002	<0.002	0.00525	0.00411	0.00325	0.00676	<0.002	<0.002	0.00567	<0.002
Silver	0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	--	39.7	46.3	48.4	41.6	39.8	33.8	108	117	109	238

Notes
Metals analyzed via EPA SW846 Method 6020 by DHL Analytical Inc., Round Rock, Texas
Mercury analyzed via EPA SW846 Method 7470A by DHL Anaytical Inc., Round Rock, Texas
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Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Dissolved Metals	NMWQCC Standard	EB-08 6/18/07	EB-08 9/17/07
Arsenic	0.1	0.00360	0.00454
Barium	1	0.0239	0.0209
Cadmium	0.01	<0.0003	<0.0003
Calcium	--	757	689
Chromium	0.05	<0.002	<0.002
Lead	0.05	<0.0003	<0.0003
Magnesium	--	130	128
Mercury	0.002	<0.00008	0.000354
Potassium	--	7.04	5.61
Selenium	0.05	**0.08560**	0.00687
Silver	0.05	<0.001	<0.001
Sodium	--	262	223

Notes
Metals analyzed via EPA SW846 Method 6020 by DHL Analytical Inc., Round Rock, Texas
Mercury analyzed via EPA SW846 Method 7470A by DHL Anaytical Inc., Round Rock, Texas
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Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Dissolved Metals	NMWQCC Standard	P-01 3/26/07	P-01 6/18/07	P-01 9/17/07	P-02 3/27/07	P-02 6/19/07	P-02 9/17/07	P-03 3/27/07	P-03 6/18/07	P-03 9/17/07	P-04 3/27/07
Arsenic	0.1	0.00327	0.00355	<0.002	0.00256	0.00405	0.00206	0.0326	0.028	0.0248	0.0694
Barium	1	0.0262	0.0246	0.0259	0.0154	0.0167	0.0166	0.0254	0.0246	0.0230	0.0243
Cadmium	0.01	<0.0003	<0.0003	0.000644	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Calcium	--	692	610	604	512	564	553	549	664	628	592
Chromium	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Lead	0.05	<0.0003	<0.0003	0.000800	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Magnesium	--	17.9	17.9	23.1	201	179	175	238	269	256	218
Mercury	0.002	<0.00008	<0.00008	0.000172	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Potassium	--	3.2	3.25	3.21	4.14	4.25	3.59	4.77	5.32	4.50	7.68
Selenium	0.05	<0.002	<0.002	0.00544	<0.002	<0.002	0.00456	<0.002	<0.002	0.00521	<0.002
Silver	0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	--	42.6	45.7	56.5	48.5	39.1	37.9	106	151	162	217

Notes
Metals analyzed via EPA SW846 Method 6020 by DHL Analytical Inc., Round Rock, Texas
Mercury analyzed via EPA SW846 Method 7470A by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
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Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Dissolved Metals	NMWQCC Standard	P-04 6/18/07	P-04 9/17/07	P-05 3/27/07	P-05 6/18/07	P-05 9/17/07
Arsenic	0.1	0.0496	0.0280	0.00579	0.00225	0.00241
Barium	1	0.0219	0.0198	0.0164	0.0134	0.0148
Cadmium	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Calcium	--	682	611	558	603	594
Chromium	0.05	<0.002	<0.002	<0.002	<0.002	<0.002
Lead	0.05	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Magnesium	--	212	178	52	60.4	51.0
Mercury	0.002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Potassium	--	7.84	6.60	3.52	3.02	2.83
Selenium	0.05	<0.002	0.00609	<0.002	<0.002	0.00497
Silver	0.05	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	--	225	204	73.7	84.9	71.2

Notes
Metals analyzed via EPA SW846 Method 6020 by DHL Analytical Inc., Round Rock, Texas
Mercury analyzed via EPA SW846 Method 7470A by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
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Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Dissolved Metals	NMWQCC Standard	Duplicate-01 (EB-07) 3/27/07	Duplicate-01 (EB-06) 6/18/07	Duplicate-01 (MW-02-04) 9/17/07	Duplicate-02 (MW-08) 3/28/07	Duplicate-02 (MW-05) 6/19/07	Duplicate-02 (MW-02-03) 9/18/07	Equipment Rinse-01 3/28/07	Equipment Rinse-01 6/18/07
Arsenic	0.1	0.0261	0.0171	0.00245	0.00734	0.00260	<0.002	<0.002	<0.002
Barium	1	0.0159	0.101	0.0210	0.0210	0.0136	0.00813	<0.003	<0.003
Cadmium	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Calcium	--	611	617	573	470	607	529	<0.1	<0.1
Chromium	0.05	<0.002	0.00247	<0.002	<0.002	<0.002	0.0426	<0.002	<0.002
Lead	0.05	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Magnesium	--	96.7	79.9	118	132	134	119	<0.1	<0.1
Mercury	0.002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Potassium	--	2.75	8.48	10.4	6.87	7.21	3.75	<0.1	<0.1
Selenium	0.05	<0.002	0.01	0.00621	<0.002	<0.002	0.00761	<0.002	<0.002
Silver	0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	--	109	111	79.3	285	232	68.8	<0.1	<0.1

Notes
Metals analyzed via EPA SW846 Method 6020 by DHL Analytical Inc., Round Rock, Texas
Mercury analyzed via EPA SW846 Method 7470A by DHL Anaytical Inc., Round Rock, Texas
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Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Dissolved Metals	NMWQCC Standard	Equipment Rinse-01 9/17/07	Equipment Rinse-02 3/29/07	Field Blank-01 3/28/07	Field Blank-01 6/20/07	Field Blank-01 9/18/07	Field Blank-02 3/29/07
Arsenic	0.1	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Barium	1	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Cadmium	0.01	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Calcium	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Lead	0.05	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Magnesium	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mercury	0.002	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Potassium	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Selenium	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Silver	0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	--	<0.1	<0.1	<0.1	2.49	<0.1	<0.1

Notes
Metals analyzed via EPA SW846 Method 6020 by DHL Analytical Inc., Round Rock, Texas
Mercury analyzed via EPA SW846 Method 7470A by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
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Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Inorganic Compounds Other Than Metals	NMWQCC Standard	MW-02 3/27/07	MW-02 6/18/07	MW-02 9/17/07	MW-02-02 3/27/07	MW-02-02 6/19/07	MW-02-02 9/18/07	MW-02-03 3/29/07	MW-02-03 6/20/07	MW-02-03 9/18/07
Alkalinty, Bicarbonate	--	163	298	218	5,350	9,390	1,710	137	158	154
Alkalinty, Carbonate	--	<10	<10	<10	736	<10	3,580	<10	<10	<10
Alkalinity, Hydroxide	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Total	--	163	298	218	6,090	9,390	5280	137	158	154
Chloride	250	151	139	61.2	**9,350**	**16,300**	**11,500**	51.7	60.1	57.4
Nitrate - N	10	7.19	3.42	3.31	<10	<10	<10	5.56	4.39	5.38
Sulfate	600	**1,650**	**1,750**	**1,350**	**392,000**	**221,000**	**299,000**	**1,960**	**1,840**	**1,870**
Total Dissolved Soilds	1,000	**3,030**	**3,170**	**2,500**	**554,000**	**388,000**	**531,000**	**2,990**	**3,100**	**3,040**

Notes
Alkalinity analyzed via EPA Method 310.1 by DHL Anaytical Inc., Round Rock, Texas
Anions analyzed via EPA Method 300 by DHL Analytical Inc., Round Rock, Texas
TDS analyzed via EPA Method 160.1 by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
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Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Inorganic Compounds Other Than Metals	NMWQCC Standard	MW-02-04 3/28/07	MW-02-04 6/18/07	MW-02-04 9/17/07	MW-02-05 3/27/07	MW-02-05 6/19/07	MW-02-05 9/18/07	MW-02-06 3/28/07	MW-02-06 6/20/07	MW-02-06 9/18/07
Alkalinty, Bicarbonate	--	279	294	288	4,720	8,900	1,320	687	480	547
Alkalinty, Carbonate	--	<10	<10	<10	2,320	3,720	4,510	<10	<10	<10
Alkalinity, Hydroxide	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Total	--	279	294	288	7,040	12,600	5,830	687	480	547
Chloride	250	82.3	96.0	103	**4,620**	**7,880**	**4,910**	30.3	23.3	25.4
Nitrate - N	10	0.129	<0.1	<0.1	<10	<10	<10	0.177	0.289	0.111
Sulfate	600	**1,750**	**1,840**	**1,800**	**394,000**	**244,000**	**317,000**	**1,730**	**1,690**	**1,790**
Total Dissolved Soilds	1,000	**3,150**	**3,130**	**3,250**	**569,000**	**387,000**	**553,000**	**3,560**	**3,230**	**3,270**

Notes
Alkalinity analyzed via EPA Method 310.1 by DHL Anaytical Inc., Round Rock, Texas
Anions analyzed via EPA Method 300 by DHL Analytical Inc., Round Rock, Texas
TDS analyzed via EPA Method 160.1 by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
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Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Inorganic Compounds Other Than Metals	NMWQCC Standard	MW-02-07 3/28/07	MW-02-07 6/19/07	MW-02-07 9/18/07	MW-02-15 3/29/07	MW-02-15 6/20/07	MW-02-15 9/18/07	MW-02-16 3/29/07	MW-02-16 6/19/07	MW-02-16 9/18/07
Alkalinty, Bicarbonate	--	631	664	643	336	346	366	818	756	802
Alkalinty, Carbonate	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Hydroxide	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Total	--	631	664	643	336	346	366	818	756	802
Chloride	250	109	110	126	168	167	169	181	206	175
Nitrate - N	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfate	600	**1,190**	**1,280**	**1,330**	**1,800**	**1,660**	**1,670**	**1,940**	**1,810**	**1,860**
Total Dissolved Soilds	1,000	**2,650**	**2,740**	**2,770**	**3,090**	**3,240**	**3,180**	**3,800**	**3,900**	**3,870**

Notes
Alkalinity analyzed via EPA Method 310.1 by DHL Anaytical Inc., Round Rock, Texas
Anions analyzed via EPA Method 300 by DHL Analytical Inc., Round Rock, Texas
TDS analyzed via EPA Method 160.1 by DHL Anaytical Inc., Round Rock, Texas
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Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Inorganic Compounds Other Than Metals	NMWQCC Standard	MW-02-18 3/28/07	MW-02-18 6/19/07	MW-02-18 9/18/07	MW-03-01 3/28/07	MW-03-01 6/19/07	MW-03-01 9/18/07	MW-03-02 3/29/07	MW-03-02 6/19/07	MW-03-03 3/28/07
Alkalinty, Bicarbonate	--	747	641	675	463	455	410	637	685	665
Alkalinty, Carbonate	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Hydroxide	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Total	--	747	641	675	463	455	410	637	685	665
Chloride	250	148	121	121	170	192	192	204	174	201
Nitrate - N	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfate	600	**2,050**	**1,970**	**1,980**	**1,420**	**1,510**	**1,440**	**1,840**	**1,600**	**964**
Total Dissolved Soilds	1,000	**4,190**	**3,820**	**4,080**	**3,000**	**3,090**	**2,870**	**3,560**	**3,420**	**2,420**

Notes
Alkalinity analyzed via EPA Method 310.1 by DHL Anaytical Inc., Round Rock, Texas
Anions analyzed via EPA Method 300 by DHL Analytical Inc., Round Rock, Texas
TDS analyzed via EPA Method 160.1 by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Inorganic Compounds Other Than Metals	NMWQCC Standard	MW-03-03 6/19/07	MW-03-03 9/18/07	MW-05 3/29/07	MW-05 6/19/07	MW-05 9/18/07	MW-07 3/28/07	MW-07 6/19/07	MW-07 9/18/07
Alkalinty, Bicarbonate	--	660	635	540	514	530	435	559	651
Alkalinty, Carbonate	--	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Hydroxide	--	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Total	--	660	635	540	514	530	435	559	651
Chloride	250	231	228	159	146	156	31.1	31.4	23.7
Nitrate - N	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfate	600	**954**	**963**	**1,910**	**1,740**	**1,810**	**1,950**	**1,580**	**1,490**
Total Dissolved Soilds	1,000	**2,520**	**2,480**	**3,440**	**3,540**	**3,450**	**3,280**	**2,880**	**2,890**

Notes
Alkalinity analyzed via EPA Method 310.1 by DHL Anaytical Inc., Round Rock, Texas
Anions analyzed via EPA Method 300 by DHL Analytical Inc., Round Rock, Texas
TDS analyzed via EPA Method 160.1 by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Inorganic Compounds Other Than Metals	NMWQCC Standard	MW-08 3/28/07	MW-08 6/19/07	MW-08 9/18/07
Alkalinty, Bicarbonate	--	485	464	468
Alkalinty, Carbonate	--	<10	<10	<10
Alkalinity, Hydroxide	--	<10	<10	<10
Alkalinity, Total	--	485	464	468
Chloride	250	**320**	**344**	**317**
Nitrate - N	10	<0.1	<0.1	<0.1
Sulfate	600	**1,650**	**1,640**	**1,550**
Total Dissolved Soilds	1,000	**3,500**	**3,400**	**3,420**

Notes
Alkalinity analyzed via EPA Method 310.1 by DHL Anaytical Inc., Round Rock, Texas
Anions analyzed via EPA Method 300 by DHL Analytical Inc., Round Rock, Texas
TDS analyzed via EPA Method 160.1 by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Inorganic Compounds Other Than Metals	NMWQCC Standard	EB-01 3/27/07	EB-01 6/18/07	EB-01 9/17/07	EB-02 3/27/07	EB-02 6/18/07	EB-02 9/17/07	EB-03 3/27/07	EB-04 3/27/07	EB-04 6/18/07
Alkalinty, Bicarbonate	--	101	118	112	318	339	307	293	254	250
Alkalinty, Carbonate	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Hydroxide	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Total	--	101	118	112	318	339	307	293	254	250
Chloride	250	30	130	122	106	111	110	65.1	**645**	**662**
Nitrate - N	10	7.37	7.05	7.64	3.91	2.93	4.05	<0.1	2.51	2.90
Sulfate	600	**1,790**	**2,000**	**1,870**	**2,260**	**2,090**	**2,360**	**1,430**	**1,710**	**1,700**
Total Dissolved Soilds	1,000	**2,890**	**3,250**	**3,250**	**3,730**	**3,610**	**3,740**	**2,610**	**3,770**	**3,800**

Notes
Alkalinity analyzed via EPA Method 310.1 by DHL Anaytical Inc., Round Rock, Texas
Anions analyzed via EPA Method 300 by DHL Analytical Inc., Round Rock, Texas
TDS analyzed via EPA Method 160.1 by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Inorganic Compounds Other Than Metals	NMWQCC Standard	EB-04 9/17/07	EB-05 3/26/07	EB-05 6/18/07	EB-05 9/17/07	EB-06 3/26/07	EB-06 6/18/07	EB-06 9/17/07	EB-07 3/27/07	EB-07 6/18/07
Alkalinty, Bicarbonate	--	244	167	183	228	108	107	96.8	415	414
Alkalinty, Carbonate	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Hydroxide	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Total	--	244	167	183	228	108	107	96.8	415	414
Chloride	250	**664**	41	53	79.0	160	167	162	174	187
Nitrate - N	10	3.23	<0.1	<0.1	<0.1	4.61	4.74	5.25	<0.1	<0.1
Sulfate	600	**1,660**	**1,400**	**1,450**	**1,560**	**1,740**	**1,790**	**1,730**	**1,610**	**1,680**
Total Dissolved Soilds	1,000	**3,880**	**2,420**	**2,430**	**2,550**	**3,020**	**2,990**	**3,050**	**3,230**	**3,180**

Notes
Alkalinity analyzed via EPA Method 310.1 by DHL Anaytical Inc., Round Rock, Texas
Anions analyzed via EPA Method 300 by DHL Analytical Inc., Round Rock, Texas
TDS analyzed via EPA Method 160.1 by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Inorganic Compounds Other Than Metals	NMWQCC Standard	EB-07 9/17/07	EB-08 3/27/07	EB-08 6/18/07	EB-08 9/17/07
Alkalinty, Bicarbonate	--	400	947	966	764
Alkalinty, Carbonate	--	<10	<10	<10	<10
Alkalinity, Hydroxide	--	<10	<10	<10	<10
Alkalinity, Total	--	400	947	966	764
Chloride	250	182	**504**	**487**	**418**
Nitrate - N	10	<0.1	<0.1	<0.1	<0.1
Sulfate	600	**1,800**	**1,720**	**1,610**	**1,840**
Total Dissolved Soilds	1,000	**3,200**	**4,200**	**4,130**	**3,940**

Notes
Alkalinity analyzed via EPA Method 310.1 by DHL Anaytical Inc., Round Rock, Texas
Anions analyzed via EPA Method 300 by DHL Analytical Inc., Round Rock, Texas
TDS analyzed via EPA Method 160.1 by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Inorganic Compounds Other Than Metals	NMWQCC Standard	P-01 3/26/07	P-01 6/18/07	P-01 9/17/07	P-02 3/27/07	P-02 6/19/07	P-02 9/17/07	P-03 3/27/07	P-03 6/18/07	P-03 9/17/07
Alkalinty, Bicarbonate	--	215	221	272	333	441	398	475	479	460
Alkalinty, Carbonate	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Hydroxide	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Total	--	215	221	272	333	441	398	475	479	460
Chloride	250	40.5	51.3	2600	63.1	55.8	55.8	**324**	**445**	**514**
Nitrate - N	10	0.153	0.304	0.234	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfate	600	**1,330**	**1,430**	**1540**	**2,000**	**1,770**	**1,840**	**1,990**	**2,030**	**2,180**
Total Dissolved Soilds	1,000	**2,410**	**2,440**	**2,600**	**3,520**	**3,380**	**3,370**	**4,020**	**4,120**	**4,150**

Notes
Alkalinity analyzed via EPA Method 310.1 by DHL Anaytical Inc., Round Rock, Texas
Anions analyzed via EPA Method 300 by DHL Analytical Inc., Round Rock, Texas
TDS analyzed via EPA Method 160.1 by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Inorganic Compounds Other Than Metals	NMWQCC Standard	P-04 3/27/07	P-04 6/18/07	P-04 9/17/07	P-05 3/27/07	P-05 6/18/07	P-05 9/17/07
Alkalinty, Bicarbonate	--	553	493	408	290	270	298
Alkalinty, Carbonate	--	<10	<10	<10	<10	<10	<10
Alkalinity, Hydroxide	--	<10	<10	<10	<10	<10	<10
Alkalinity, Total	--	553	493	408	290	270	298
Chloride	250	**618**	**570**	**516**	87.3	103	97.1
Nitrate - N	10	<0.1	<0.1	0.226	<0.1	0.414	<0.1
Sulfate	600	**1,860**	**1,900**	**1,810**	**1,520**	**1,600**	**1,520**
Total Dissolved Soilds	1,000	**4,450**	**4,150**	**3,980**	**2,840**	**2,800**	**2,800**

Notes
Alkalinity analyzed via EPA Method 310.1 by DHL Anaytical Inc., Round Rock, Texas
Anions analyzed via EPA Method 300 by DHL Analytical Inc., Round Rock, Texas
TDS analyzed via EPA Method 160.1 by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Inorganic Compounds Other Than Metals	NMWQCC Standard	Duplicate-01 (EB-07) 3/27/07	Duplicate-01 (EB-06) 6/18/07	Duplicate-01 (MW-02-04) 9/17/04	Duplicate-02 (MW-08) 3/28/07	Duplicate-02 (MW-05) 6/19/07	Duplicate-02 (MW-02-03) 9/18/07	Equipment Rinse-01 3/28/07	Equipment Rinse-01 6/18/07
Alkalinty, Bicarbonate	--	416	300	284	485	532	152	<10	<10
Alkalinty, Carbonate	--	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Hydroxide	--	<10	<10	<10	<10	<10	<10	<10	<10
Alkalinity, Total	--	416	300	284	485	532	152	<10	<10
Chloride	250	176	138	102	**323**	153	56.2	<0.3	0.331
Nitrate - N	10	<0.1	3.47	<0.1	<0.1	<0.1	5.43	<0.1	<0.1
Sulfate	600	**1,620**	**1,710**	**1,770**	**1,670**	**1,870**	**1,850**	<1	1.76
Total Dissolved Soilds	1,000	**3,190**	**3,100**	**3,170**	**3,470**	**3,640**	**3,060**	<10	<10

Notes
Alkalinity analyzed via EPA Method 310.1 by DHL Anaytical Inc., Round Rock, Texas
Anions analyzed via EPA Method 300 by DHL Analytical Inc., Round Rock, Texas
TDS analyzed via EPA Method 160.1 by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

Table 2
Summary of Analytical Results for Groundwater Samples
Frontier Field Services - Empire Abo Gas Plant (GW-022)
257 Empire Road
Artesia, New Mexico

Inorganic Compounds Other Than Metals	NMWQCC Standard	Equipment Rinse-01 9/17/07	Equipment Rinse-02 3/29/07	Field Blank-01 3/28/07	Field Blank-01 6/20/07	Field Blank-01 9/18/07	Field Blank-02 3/29/07
Alkalinty, Bicarbonate	--	<10	<10	<10	<10	<10	<10
Alkalinty, Carbonate	--	<10	<10	<10	<10	<10	<10
Alkalinity, Hydroxide	--	<10	<10	<10	<10	<10	<10
Alkalinity, Total	--	<10	<10	<10	<10	<10	<10
Chloride	250	<0.3	<0.3	<0.3	2.36	<0.3	<0.3
Nitrate - N	10	<0.1	<0.1	<0.1	0.19	<0.1	<0.1
Sulfate	600	<1	<1	<1	<1	<1	<1
Total Dissolved Soilds	1,000	<10	<10	<10	65.0	<10	<10

Notes
Alkalinity analyzed via EPA Method 310.1 by DHL Anaytical Inc., Round Rock, Texas
Anions analyzed via EPA Method 300 by DHL Analytical Inc., Round Rock, Texas
TDS analyzed via EPA Method 160.1 by DHL Anaytical Inc., Round Rock, Texas
All values reported in Milligrams per liter (mg/L, parts per million).
< values - Indicate the value is less than Method Detection Limit MDL.

FIGURES

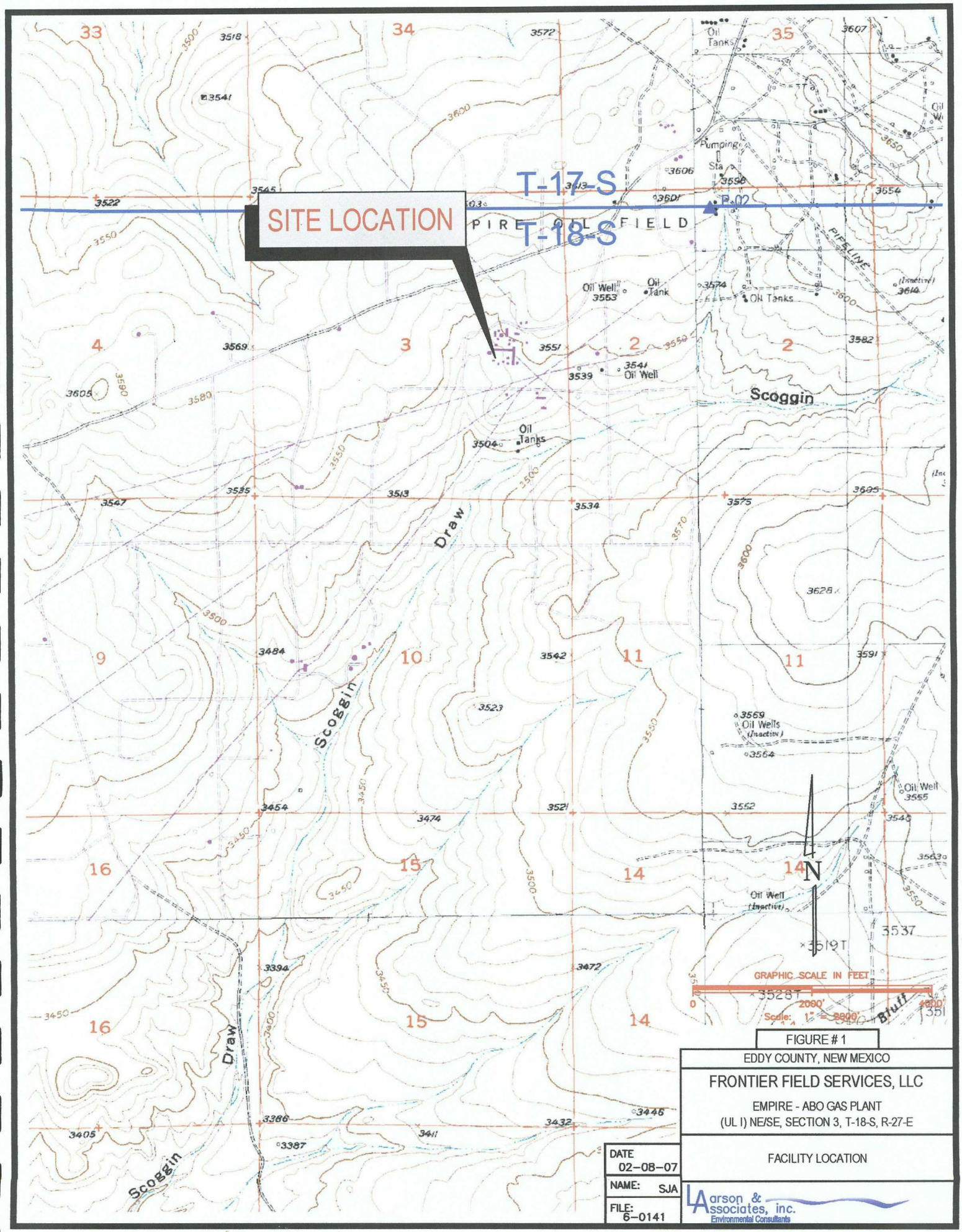


FIGURE # 1

EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC

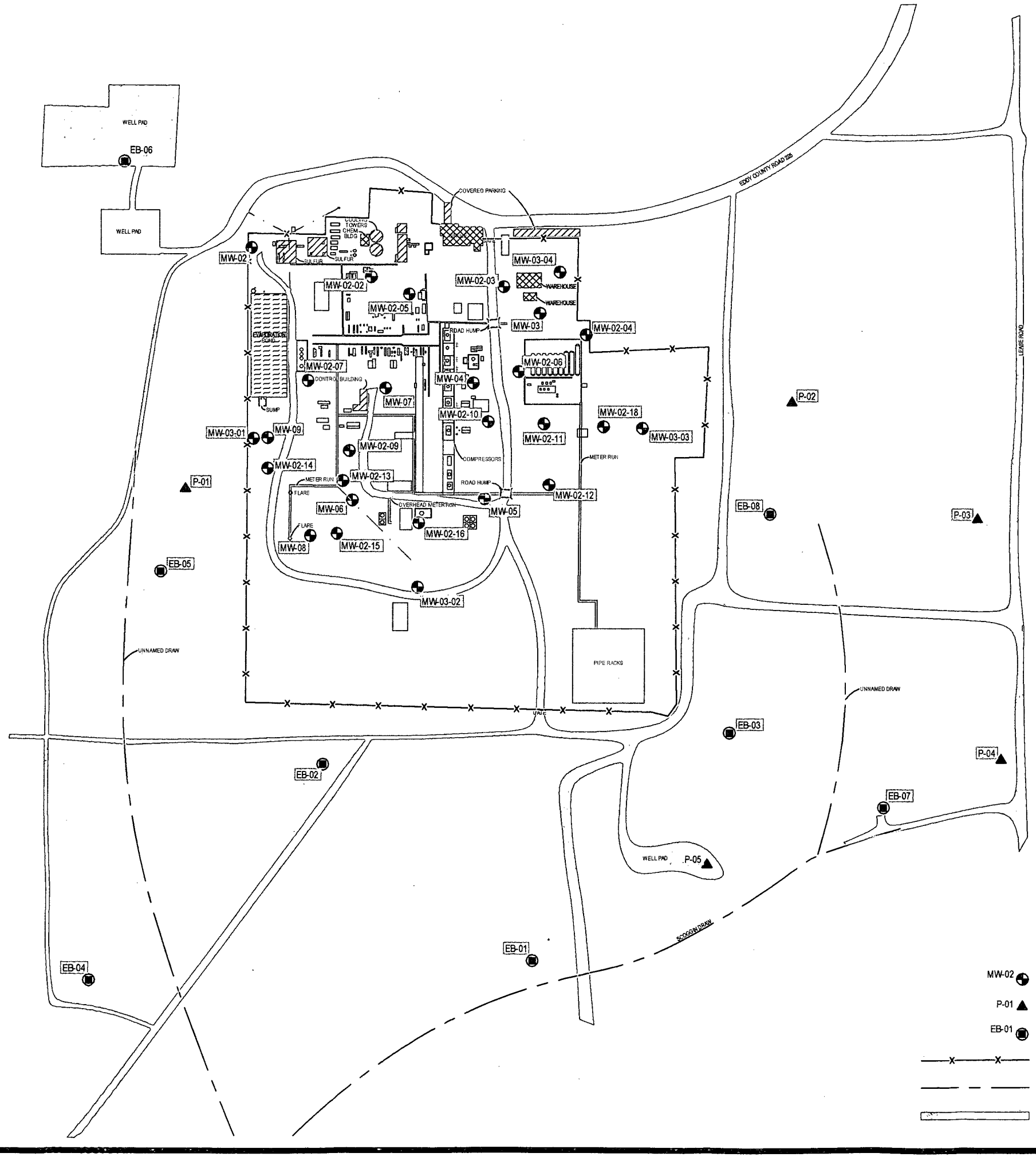
EMPIRE - ABO GAS PLANT

(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

FACILITY LOCATION

DATE	02-08-07
NAME:	SJA
FILE:	6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 - MONITORING WELL LOCATION
- P-01 - PIEZOMETER (FLUID LEVEL) LOCATION
- EB-01 - MONITORING WELL AND PIEZOMETER NEST LOCATION
- ——x——x—— - DENOTES FENCE
- — — — - DENOTES DRAINAGE / DRAW
- ▭ - DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 2

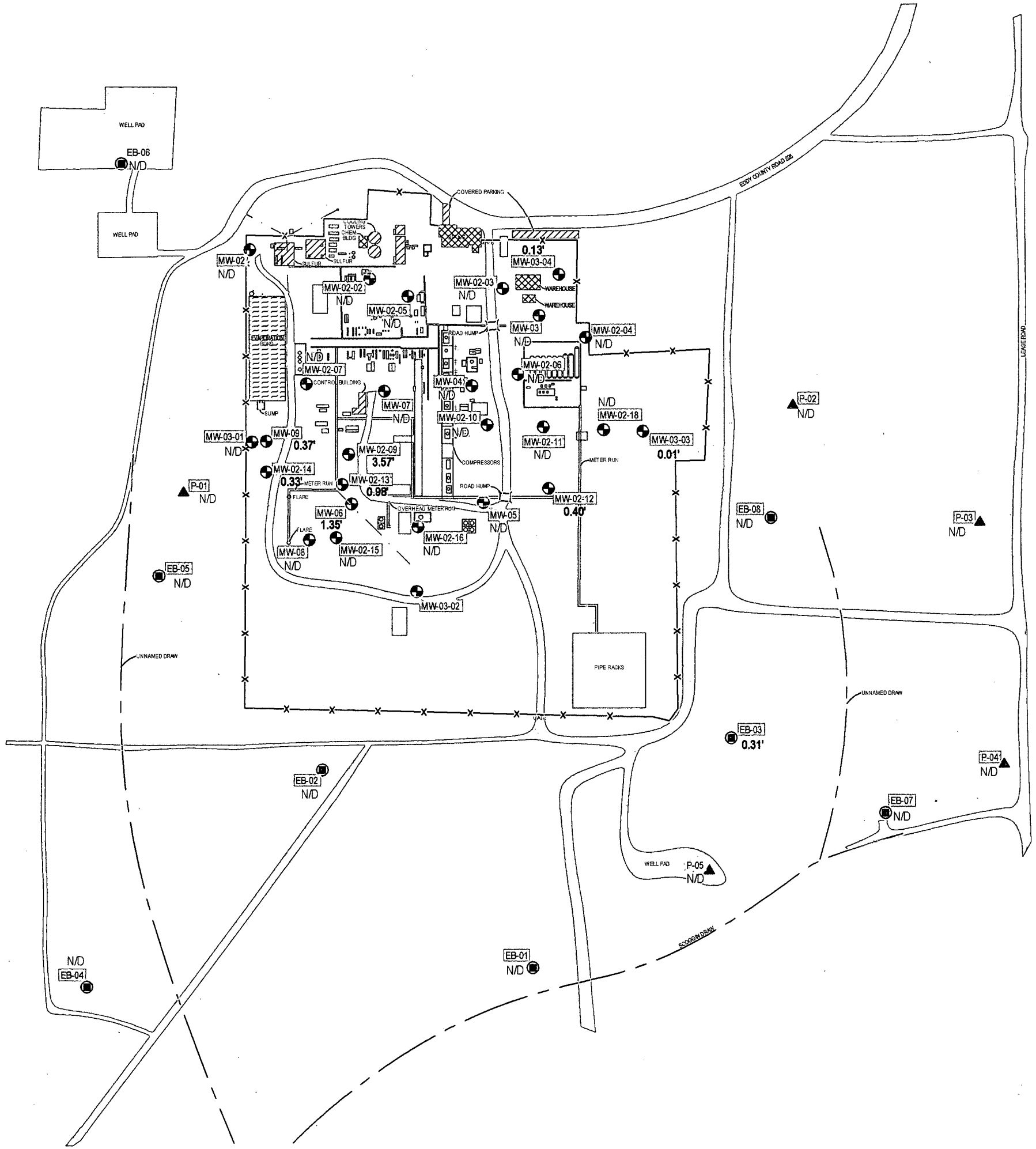
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW - 022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

FACILITY DRAWING

DATE 10-23-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

MW-09 **0.37'** - MONITORING WELL LOCATION AND APPARENT HYDROCARBON PRODUCT (PSH) THICKNESS , (FEET), MARCH 26-27, 2007

P-01 N/D - PIEZOMETER (FLUID LEVEL) LOCATION AND APPARENT HYDROCARBON PRODUCT (PSH) THICKNESS, (FEET), MARCH 26-27, 2007

EB-03 **0.31'** - MONITORING WELL AND PIEZOMETER NEST LOCATION AND APPARENT HYDROCARBON PRODUCT (PSH) THICKNESS, (FEET), MARCH 26-27, 2007

N/D - HYDROCARBON PRODUCT (PSH) NOT OBSERVED IN WELL

- DENOTES FENCE

- DENOTES DRAINAGE / DRAW

- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 3

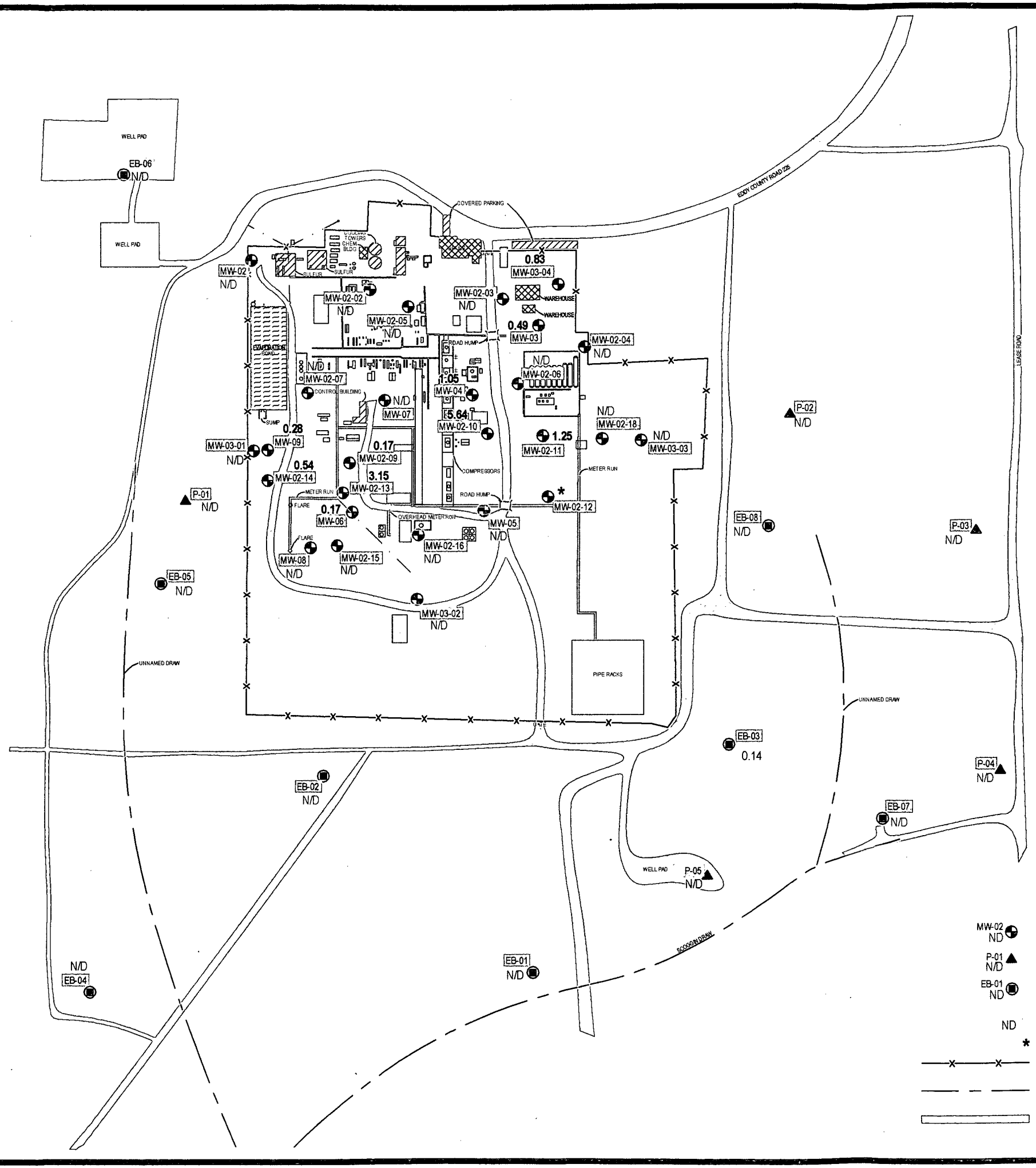
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

APPARENT HYDROCARBON PRODUCT (PSH) THICKNESS
MARCH 26-27, 2007

DATE 05-17-07
NAME: SJA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 / ND - MONITORING WELL LOCATION AND APPARENT HYDROCARBON PRODUCT (PSH) THICKNESS (FEET), JUNE 18, 2007
- P-01 / N/D - PIEZOMETER (FLUID LEVEL) LOCATION AND APPARENT HYDROCARBON PRODUCT (PSH) THICKNESS (FEET), JUNE 18, 2007
- EB-01 / ND - MONITORING WELL AND PIEZOMETER NEST LOCATION AND APPARENT HYDROCARBON PRODUCT (PSH) THICKNESS, (FEET), JUNE 18, 2007
- ND - HYDROCARBON PRODUCT (PSH) NOT OBSERVED IN WELL
- * - HYDROCARBON PRODUCT (PSH) OBSERVED IN WELL AS EMULSION
- DENOTES FENCE
- DENOTES DRAINAGE / DRAW
- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 4

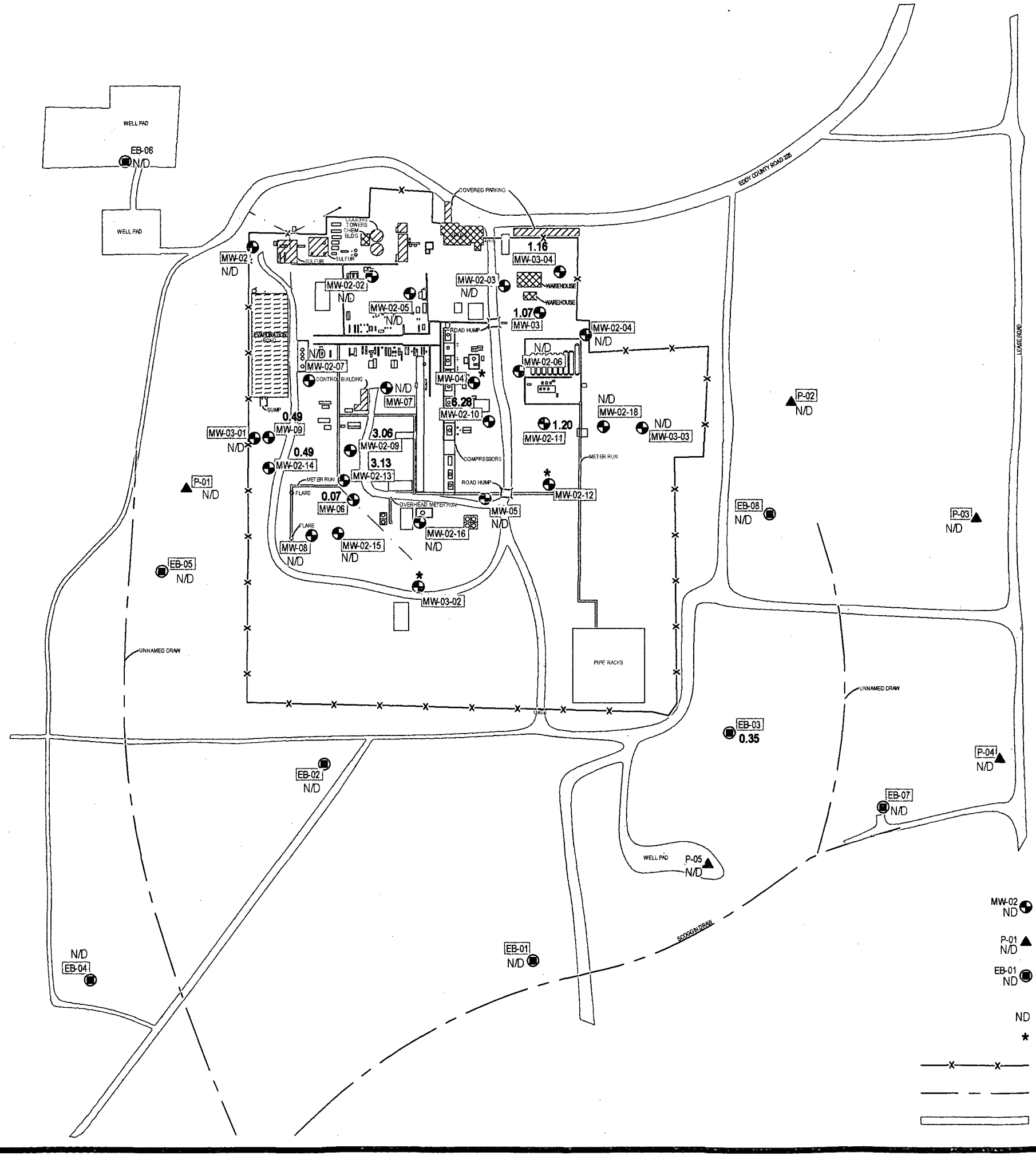
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW - 022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

APPARENT HYDROCARBON PRODUCT (PSH) THICKNESS
JUNE 18, 2007

DATE 10-23-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 / ND - MONITORING WELL LOCATION AND APPARENT HYDROCARBON PRODUCT (PSH) THICKNESS (FEET),SEPTEMBER 17, 2007
- P-01 / N/D - PIEZOMETER (FLUID LEVEL) LOCATION AND APPARENT HYDROCARBON PRODUCT (PSH) THICKNESS (FEET),SEPTEMBER 17, 2007
- EB-01 / ND - MONITORING WELL AND PIEZOMETER NEST LOCATION AND APPARENT HYDROCARBON PRODUCT (PSH) THICKNESS, (FEET), SEPTEMBER 17, 2007
- ND - HYDROCARBON PRODUCT (PSH) NOT OBSERVED IN WELL
- ★ - HYDROCARBON PRODUCT (PSH) OBSERVED IN WELL AS EMULSION
- -x-x- - DENOTES FENCE
- — — — - DENOTES DRAINAGE / DRAW
- ▭ - DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 5

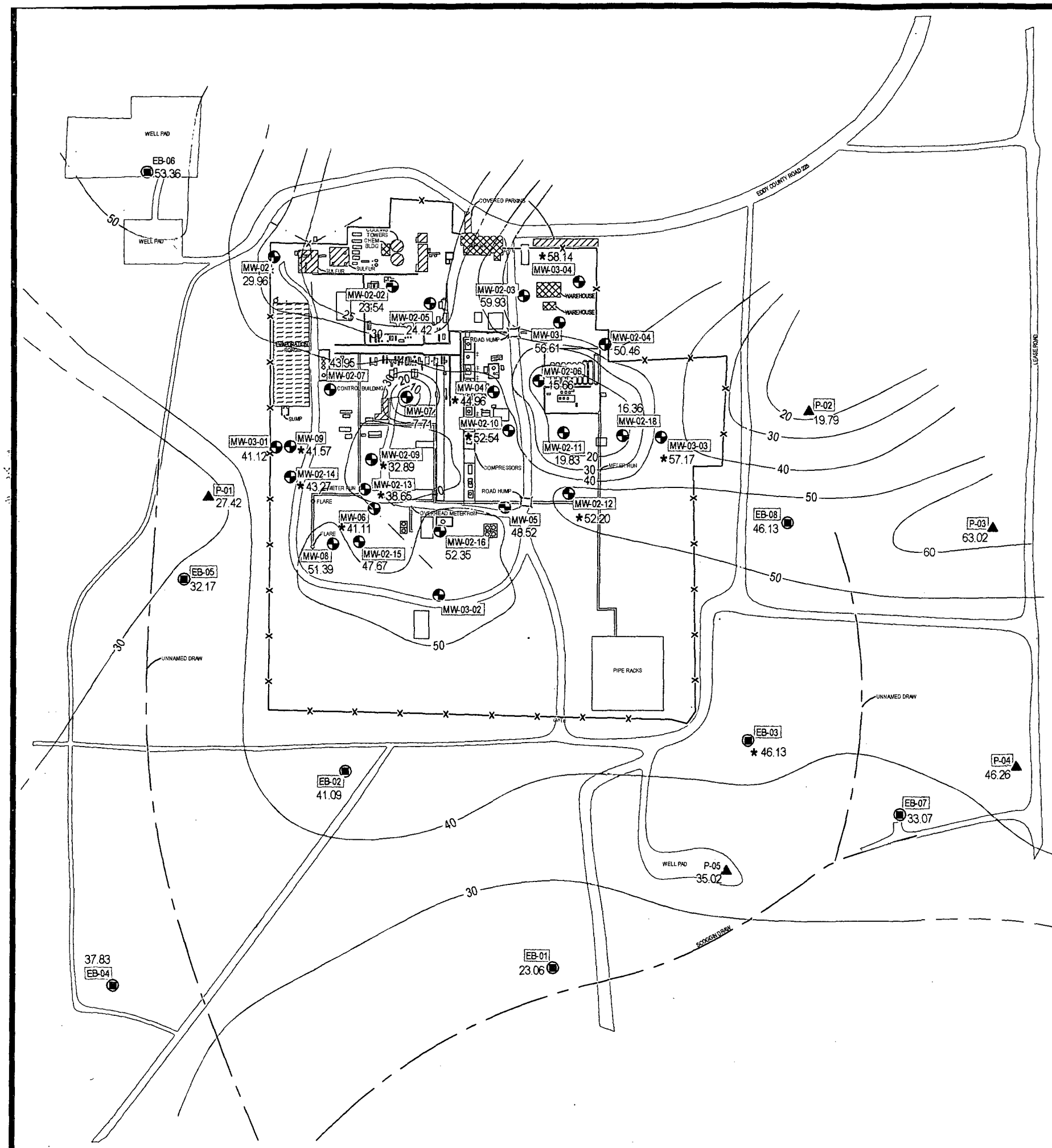
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW - 022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

APPARENT HYDROCARBON PRODUCT (PSH) THICKNESS
SEPTEMBER 17, 2007

DATE 10-23-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.89'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 29.96 - MONITORING WELL LOCATION AND DEPTH TO GROUNDWATER, (FEET BGS), MARCH 26-27, 2007
- P-01 27.42 - PIEZOMETER (FLUID LEVEL) LOCATION AND LOCATION AND DEPTH TO GROUNDWATER, (FEET BGS), MARCH 26-27, 2007
- EB-01 23.06 - MONITORING WELL AND PIEZOMETER NEST DEPTH TO GROUNDWATER, (FEET BGS), MARCH 26-27, 2007
- * - DEPTH TO GROUNDWATER MEASUREMENT CORRECTED FOR HYDROCARBON PRODUCT (PSH) IN WELL ASSUMING 0.70 SPECIFIC GRAVITY
- 20 - CONTOUR OF DEPTH TO GROUND WATER, (FEET BGS), MARCH 26-27, 2007
- DENOTES FENCE
- DENOTES DRAINAGE / DRAW
- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 6

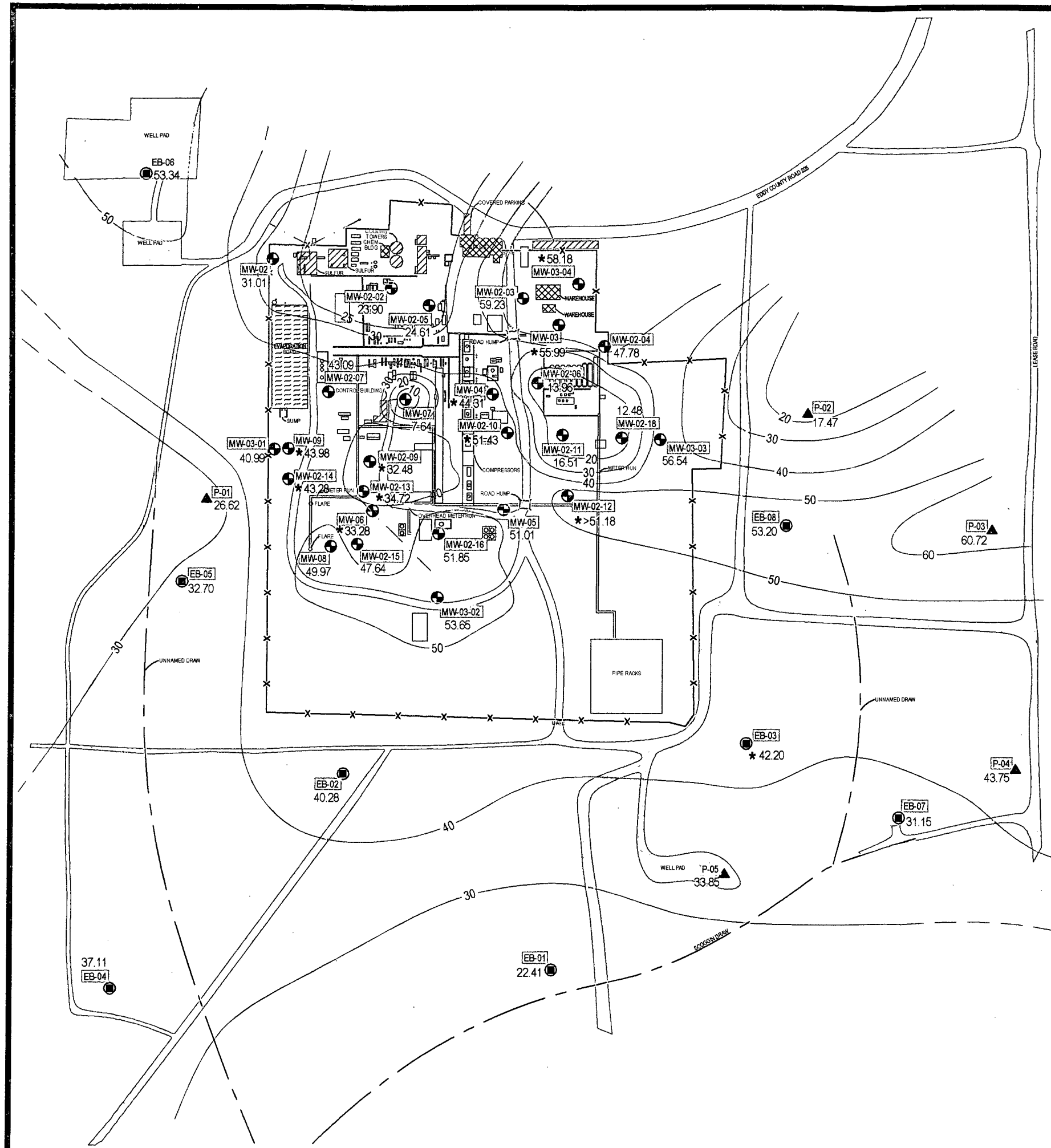
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW - 022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

DEPTH TO GROUNDWATER MAP
MARCH 26-27, 2007

DATE 05-17-07
NAME: SJA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 29.96 - MONITORING WELL LOCATION AND DEPTH TO GROUNDWATER, (FEET BGS), JUNE 18, 20007
- P-01 27.42 - PIEZOMETER (FLUID LEVEL) LOCATION AND LOCATION AND DEPTH TO GROUNDWATER, (FEET BGS), JUNE 18, 2007
- EB-01 23.06 - MONITORING WELL AND PIEZOMETER NEST DEPTH TO GROUNDWATER, (FEET BGS), JUNE 18, 2007
- * - DEPTH TO GROUND WATER MEASUREMENT CORRECTED FOR HYDROCARBON PRODUCT (PSH) IN WELL ASSUMING 0.70 SPECIFIC GRAVITY
- 20 - CONTOUR OF DEPTH TO GROUNDWATER, (FEET BGS), MARCH 26-27, 2007
- DENOTES FENCE
- DENOTES DRAINAGE / DRAW
- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 7

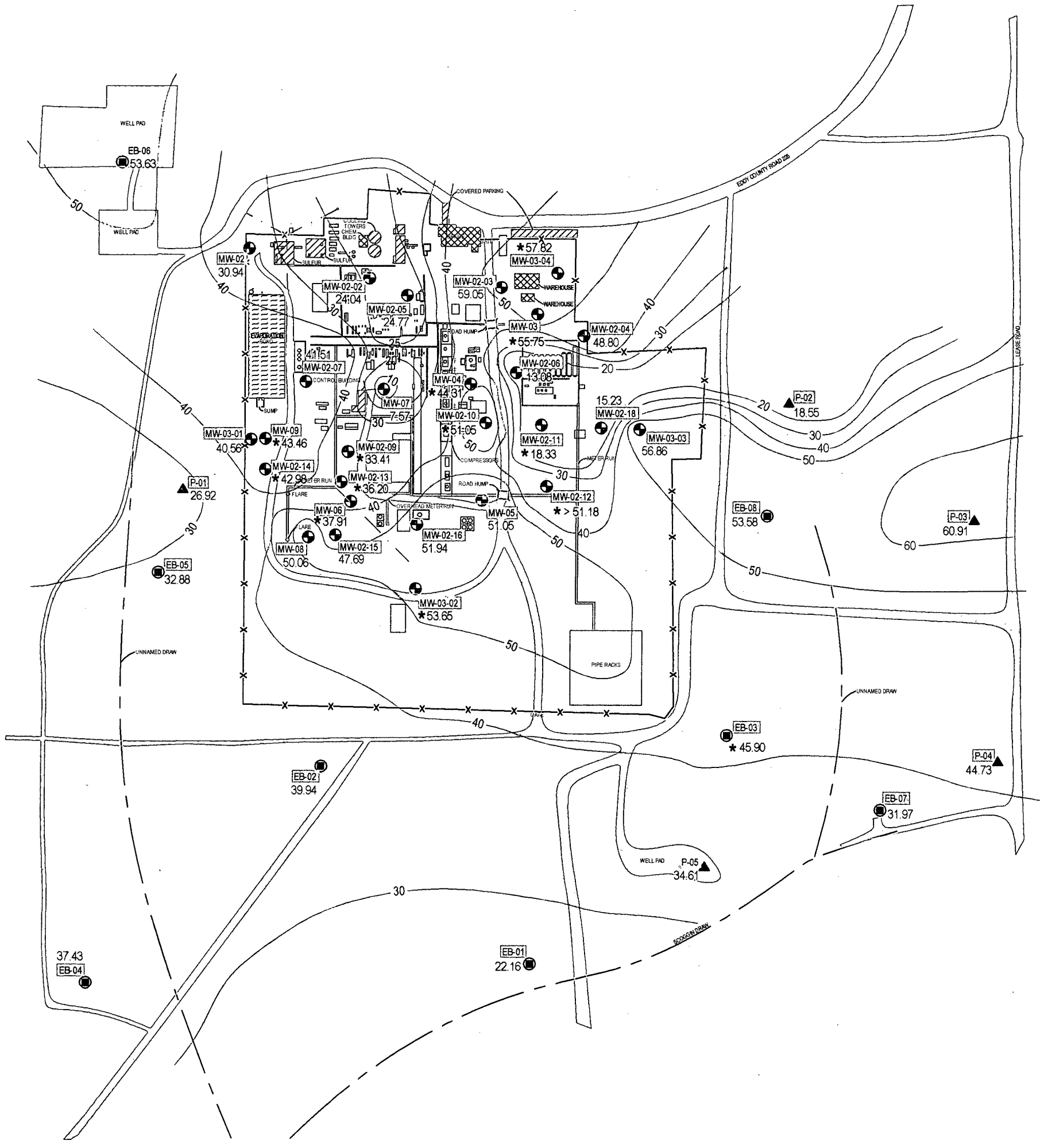
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW - 022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

DEPTH TO GROUNDWATER MAP
JUNE 18, 2007

DATE 10-24-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 / 30.94 - MONITORING WELL LOCATION AND DEPTH TO GROUNDWATER, (FEET BGS), SEPTEMBER 17, 2007
- P-01 / 26.92 - PIEZOMETER (FLUID LEVEL) LOCATION AND DEPTH TO GROUNDWATER, (FEET BGS), SEPTEMBER 17, 2007
- EB-01 / 22.16 - MONITORING WELL AND PIEZOMETER NEST LOCATION AND DEPTH TO GROUNDWATER, (FEET BGS), SEPTEMBER 17, 2007
- * - DEPTH TO GROUND WATER MEASUREMENT CORRECTED FOR HYDROCARBON PRODUCT (PSH) IN WELL ASSUMING 0.70 SPECIFIC GRAVITY
- 20 - CONTOUR OF DEPTH TO GROUNDWATER, (FEET BGS), MARCH 26-27, 2007
- DENOTES FENCE
- DENOTES DRAINAGE / DRAW
- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 8

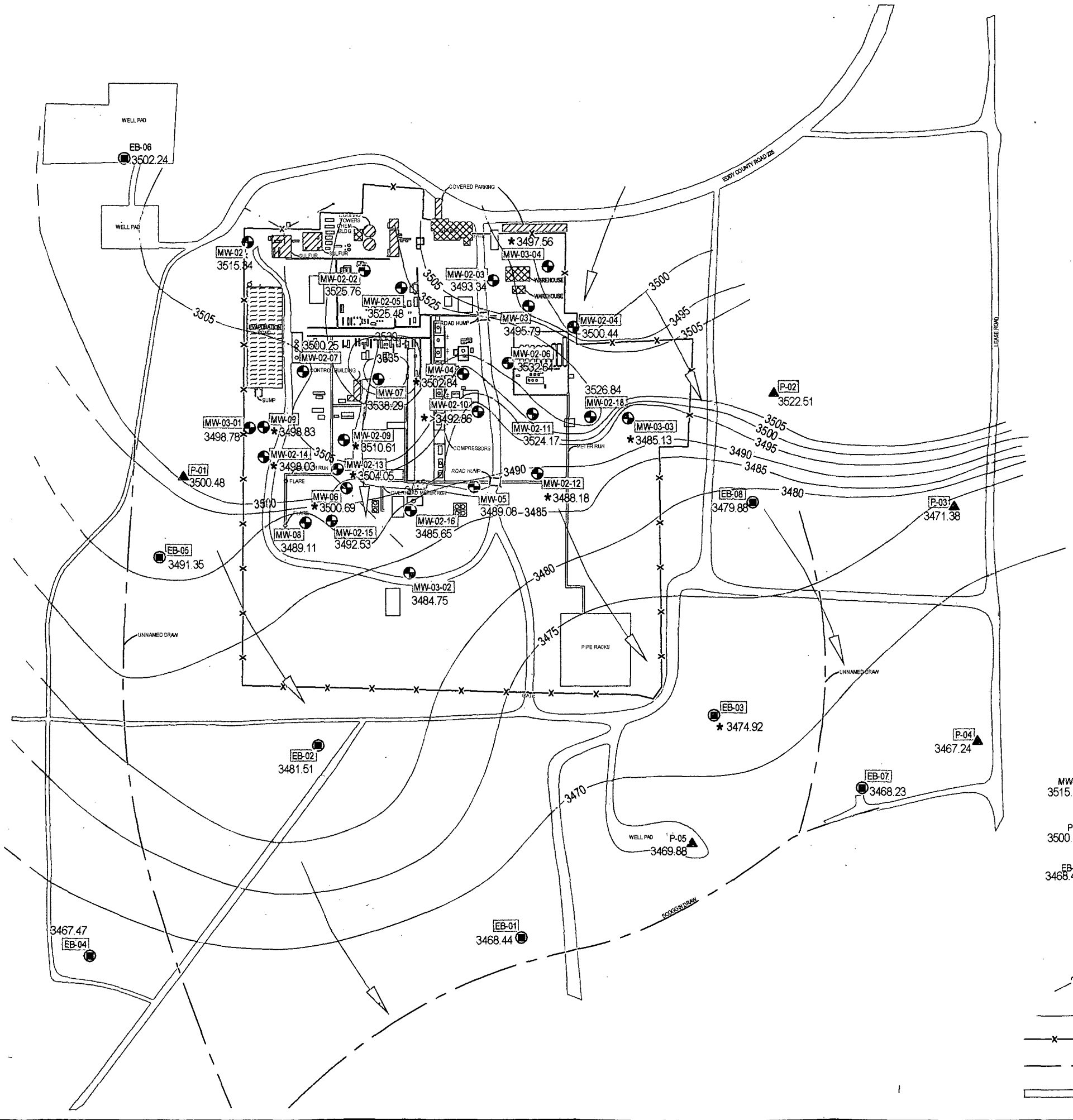
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW - 022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

DEPTH TO GROUNDWATER MAP
SEPTEMBER 17, 2007

DATE 10-24-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.6'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

MW-02 3515.34 - MONITORING WELL LOCATION AND GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), MARCH 26-27, 2007

P-01 3500.48 - PIEZOMETER (FLUID LEVEL) LOCATION AND GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), MARCH 26-27, 2007

EB-01 3468.44 - MONITORING WELL AND PIEZOMETER NEST LOCATION AND GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), MARCH 26-27, 2007

* - GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION CORRECTED FOR HYDROCARBON PRODUCT (PSH) IN WELL ASSUMING 0.70 SPECIFIC GRAVITY

3500 - CONTOUR OF GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), MARCH 26-27, 2007

- APPARENT GROUNDWATER FLOW DIRECTION

- DENOTES FENCE

- DENOTES DRAINAGE / DRAW

- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 9

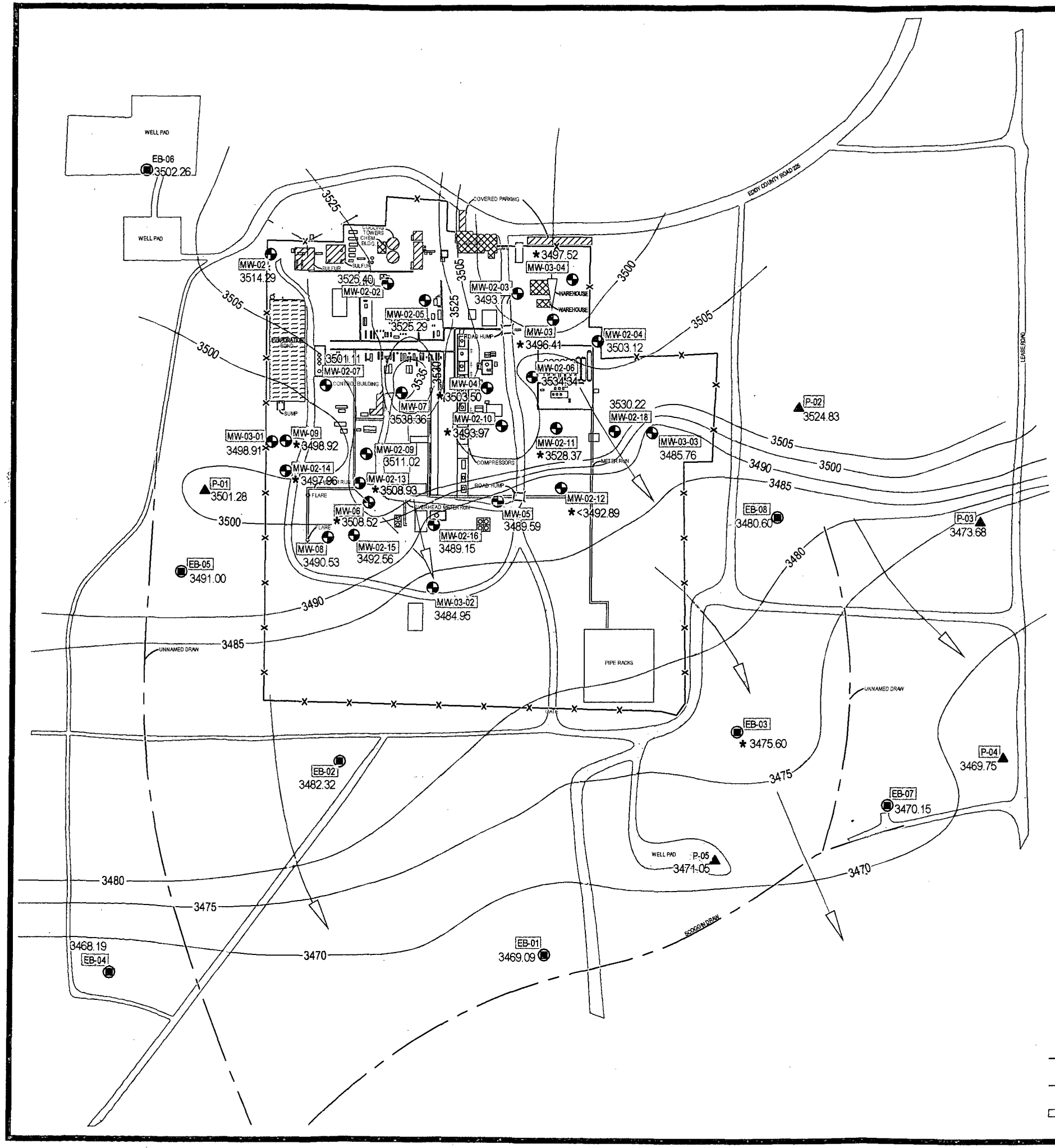
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

GROUNDWATER POTENTIOMETRIC SURFACE MAP
MARCH 26-27, 2007

DATE 05-17-07
NAME: SJA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

MW-02 3514.29 - MONITORING WELL LOCATION AND GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), JUNE 18, 2007

P-01 3501.29 - PIEZOMETER (FLUID LEVEL) LOCATION AND GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), JKUNE 18, 2007

EB-01 3469.09 - MONITORING WELL AND PIEZOMETER NEST LOCATION AND GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), JUNE 18, 2007

* - GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION CORRECTED FOR HYDROCARBON PRODUCT (PSH) IN WELL ASSUMING 0.70 SPECIFIC GRAVITY

3500 - CONTOUR OF GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), JUNE 18, 2007

- APPARENT GROUNDWATER FLOW DIRECTION

- DENOTES FENCE

- DENOTES DRAINAGE / DRAW

- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 10

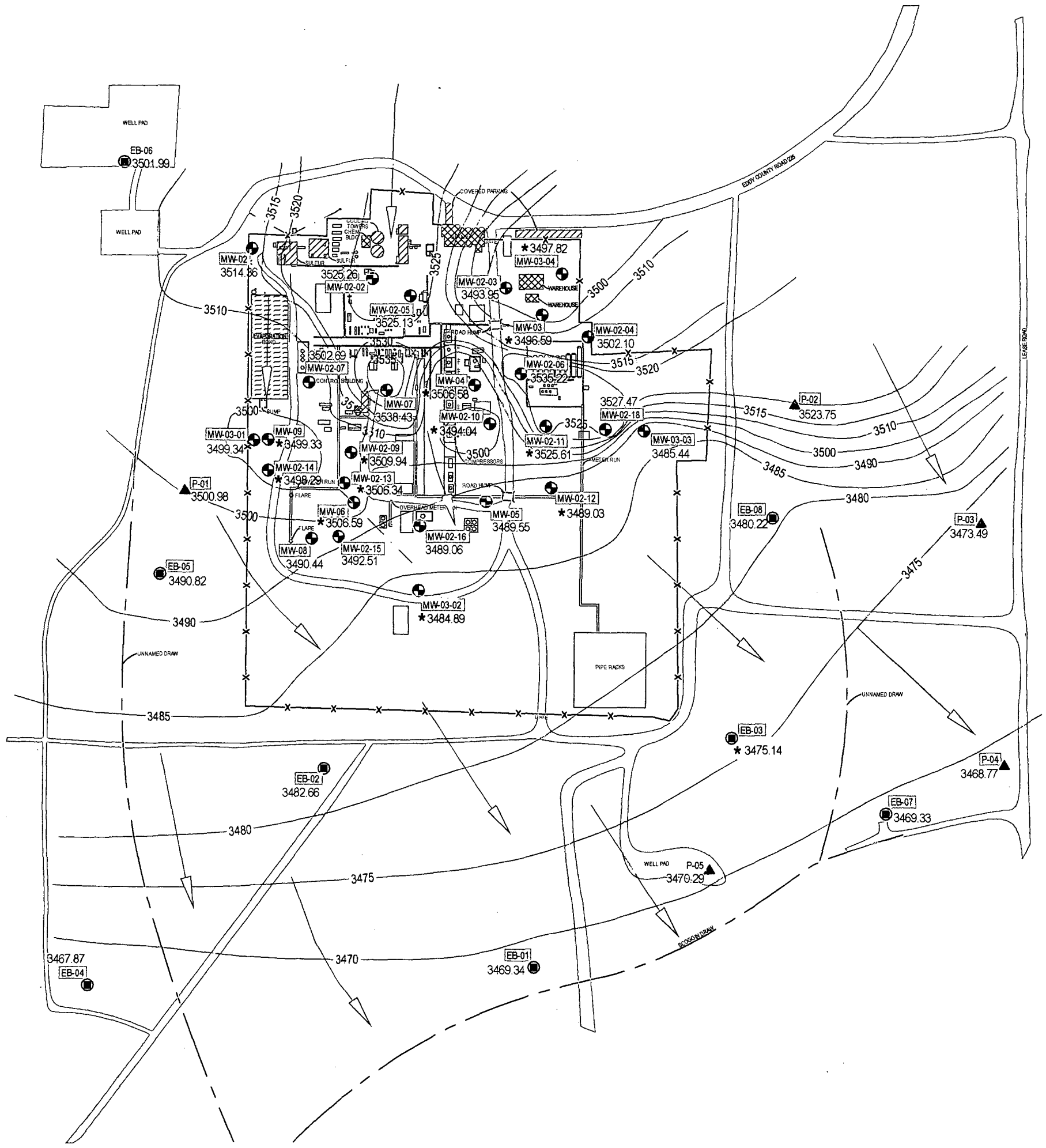
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW - 022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

GROUNDWATER POTENTIOMETRIC SURFACE MAP
JUNE 18, 2007

DATE 10-25-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3607.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 3514.36 — MONITORING WELL LOCATION AND GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), SEPTEMBER 17, 2007
- P-01 3500.98 — PIEZOMETER (FLUID LEVEL) LOCATION AND GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), SEPTEMBER 17, 2007
- EB-01 3469.34 — MONITORING WELL AND PIEZOMETER NEST LOCATION AND GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), SEPTEMBER 17, 2007
- * — GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION CORRECTED FOR HYDROCARBON PRODUCT (PSH) IN WELL ASSUMING 0.70 SPECIFIC GRAVITY
- 3500 — CONTOUR OF GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION, (FEET AMSL), SEPTEMBER 17, 2007
- APPARENT GROUNDWATER FLOW DIRECTION
- DENOTES FENCE
- DENOTES DRAINAGE / DRAW
- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 11

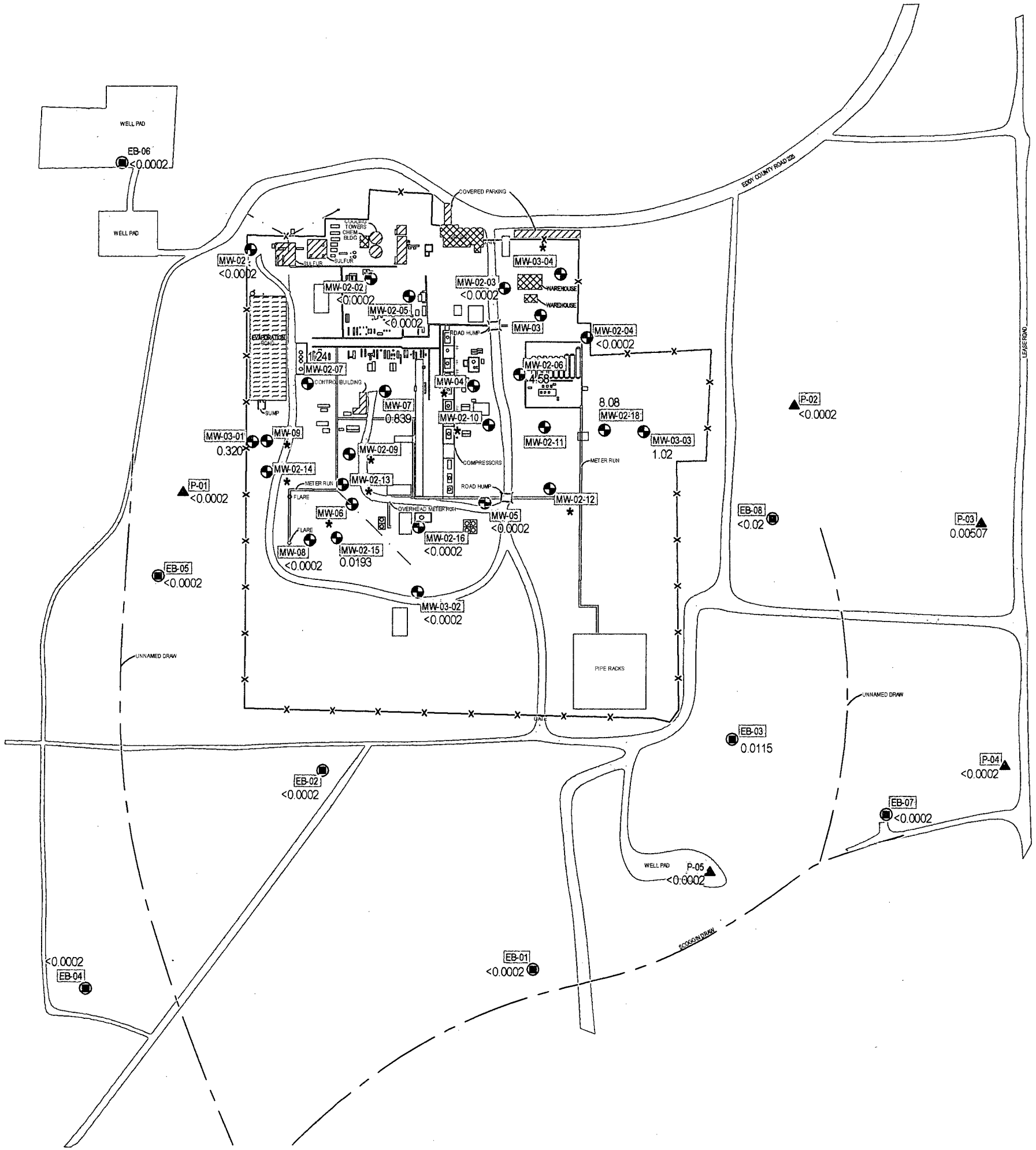
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW - 022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

GROUNDWATER POTENTIOMETRIC SURFACE MAP
SEPTEMBER 17, 2007

DATE 10-26-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 <0.0002 — MONITORING WELL LOCATION AND DISSOLVED BENZENE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- P-01 <0.0002 — PIEZOMETER (FLUID LEVEL) LOCATION AND DISSOLVED BENZENE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- EB-01 <0.0002 — MONITORING WELL AND PIEZOMETER NEST LOCATION AND DISSOLVED BENZENE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- * — HYDROCARBON PRODUCT (PSH) OBSERVED IN WELL - NO SAMPLE COLLECTED
- < — LESS THAN METHOD DETECT LIMIT
- —X—X— DENOTES FENCE
- — — — DENOTES DRAINAGE / DRAW
- ═══ DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 12

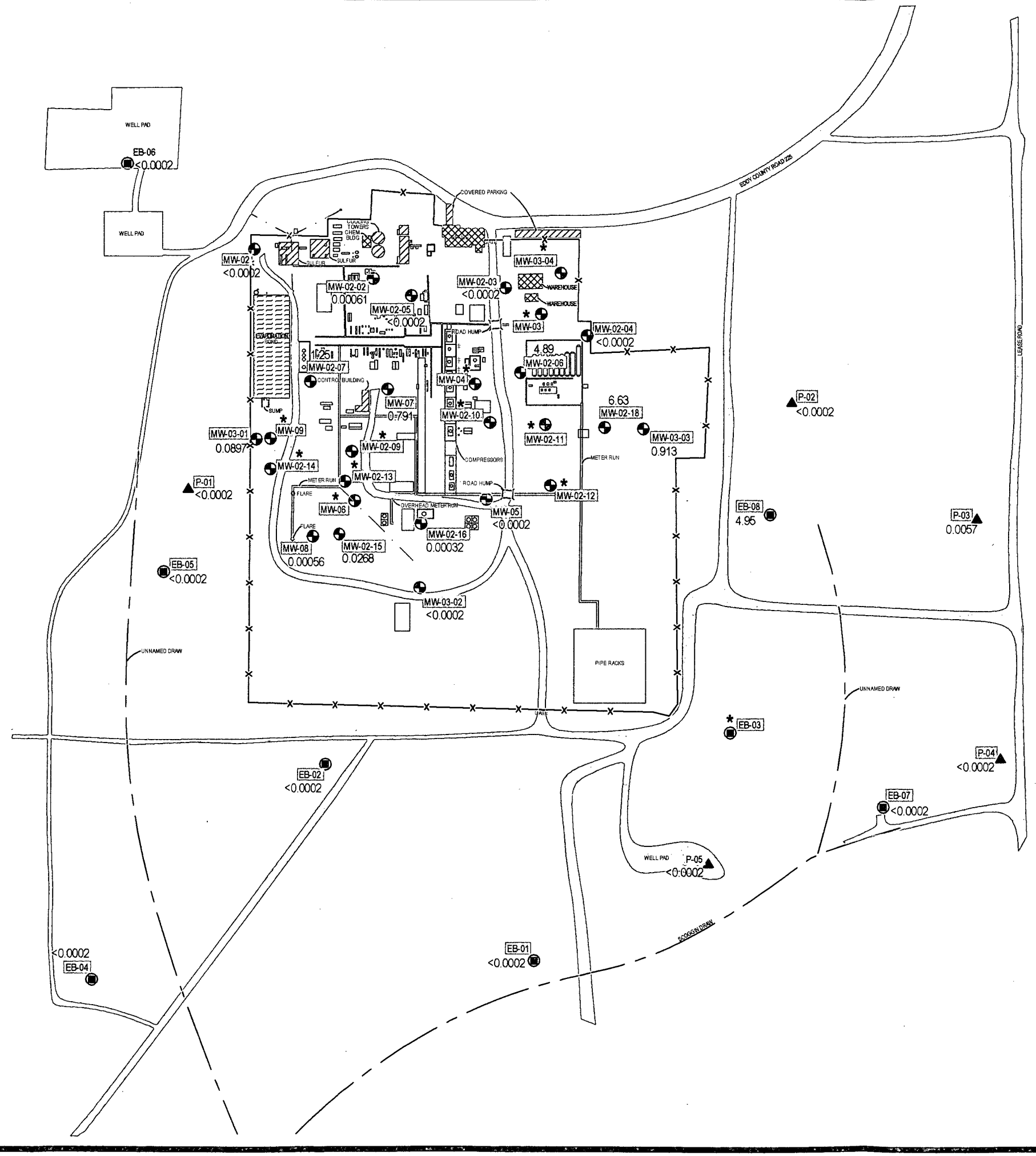
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

DISSOLVED BENZENE CONCENTRATION IN GROUNDWATER
MARCH 26-27, 2007

DATE 05-17-07
NAME: SJA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 <0.0002 — MONITORING WELL LOCATION AND DISSOLVED BENZENE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- P-01 <0.0002 — PIEZOMETER (FLUID LEVEL) LOCATION AND DISSOLVED BENZENE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- EB-01 <0.0002 — MONITORING WELL AND PIEZOMETER NEST LOCATION AND DISSOLVED BENZENE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- * — HYDROCARBON PRODUCT (PSH) OBSERVED IN WELL - NO SAMPLE COLLECTED
- < — LESS THAN METHOD DETECT LIMIT
- —x—x— DENOTES FENCE
- — — — DENOTES DRAINAGE / DRAW
- ═══ DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 13

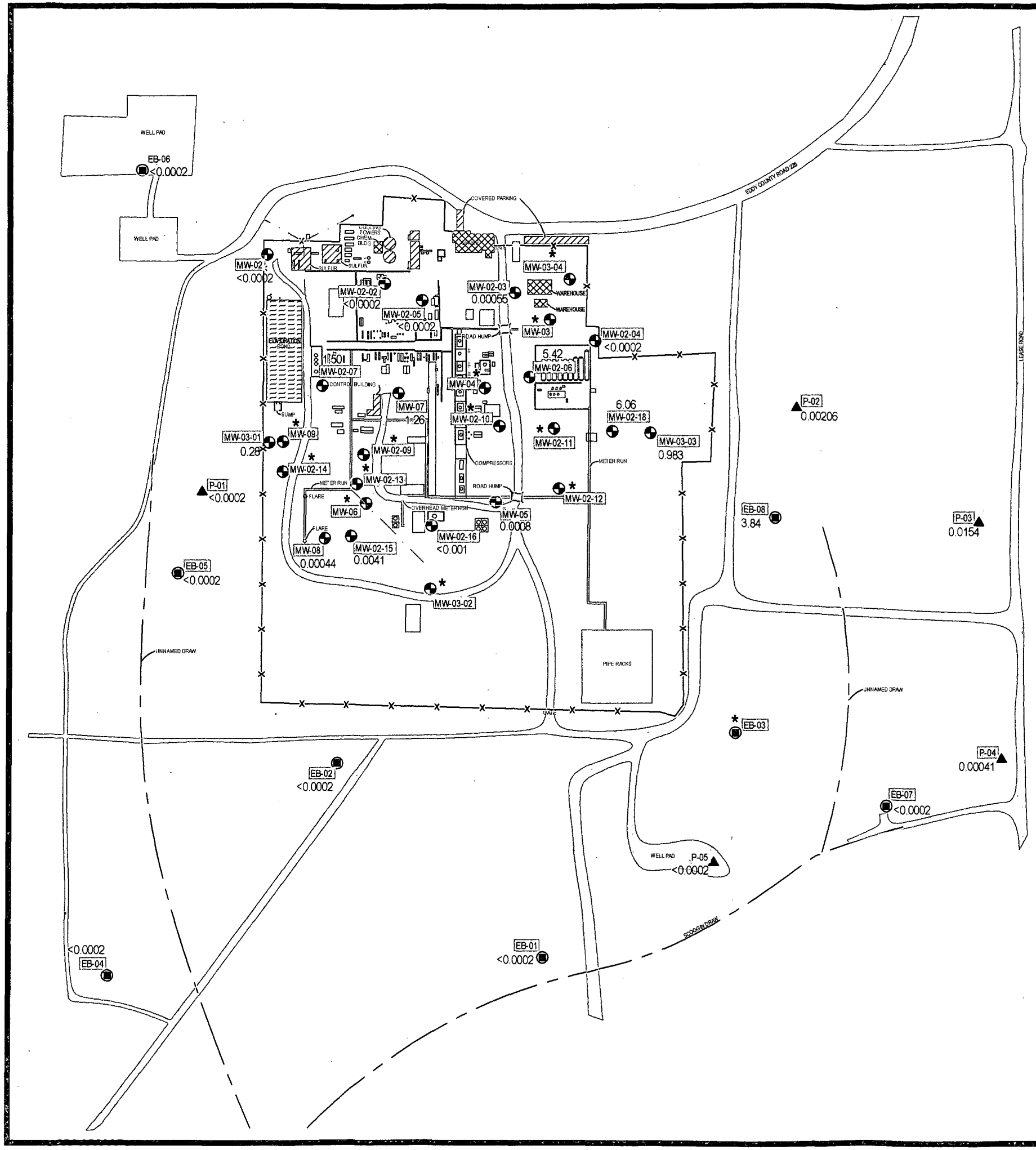
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

DISSOLVED BENZENE CONCENTRATION IN GROUNDWATER
JUNE 18-20, 2007

DATE 10-29-07
NAME: TA
FILE: 6-014

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 <0.0002 — MONITORING WELL LOCATION AND DISSOLVED BENZENE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- P-01 <0.0002 — PIEZOMETER (FLUID LEVEL) LOCATION AND DISSOLVED BENZENE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- EB-01 <0.0002 — MONITORING WELL AND PIEZOMETER NEST LOCATION AND DISSOLVED BENZENE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- * — HYDROCARBON PRODUCT (PSH) OBSERVED IN WELL - NO SAMPLE COLLECTED
- < — LESS THAN METHOD DETECT LIMIT
- —x—x— DENOTES FENCE
- — — — DENOTES DRAINAGE / DRAW
- ═══ DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 14

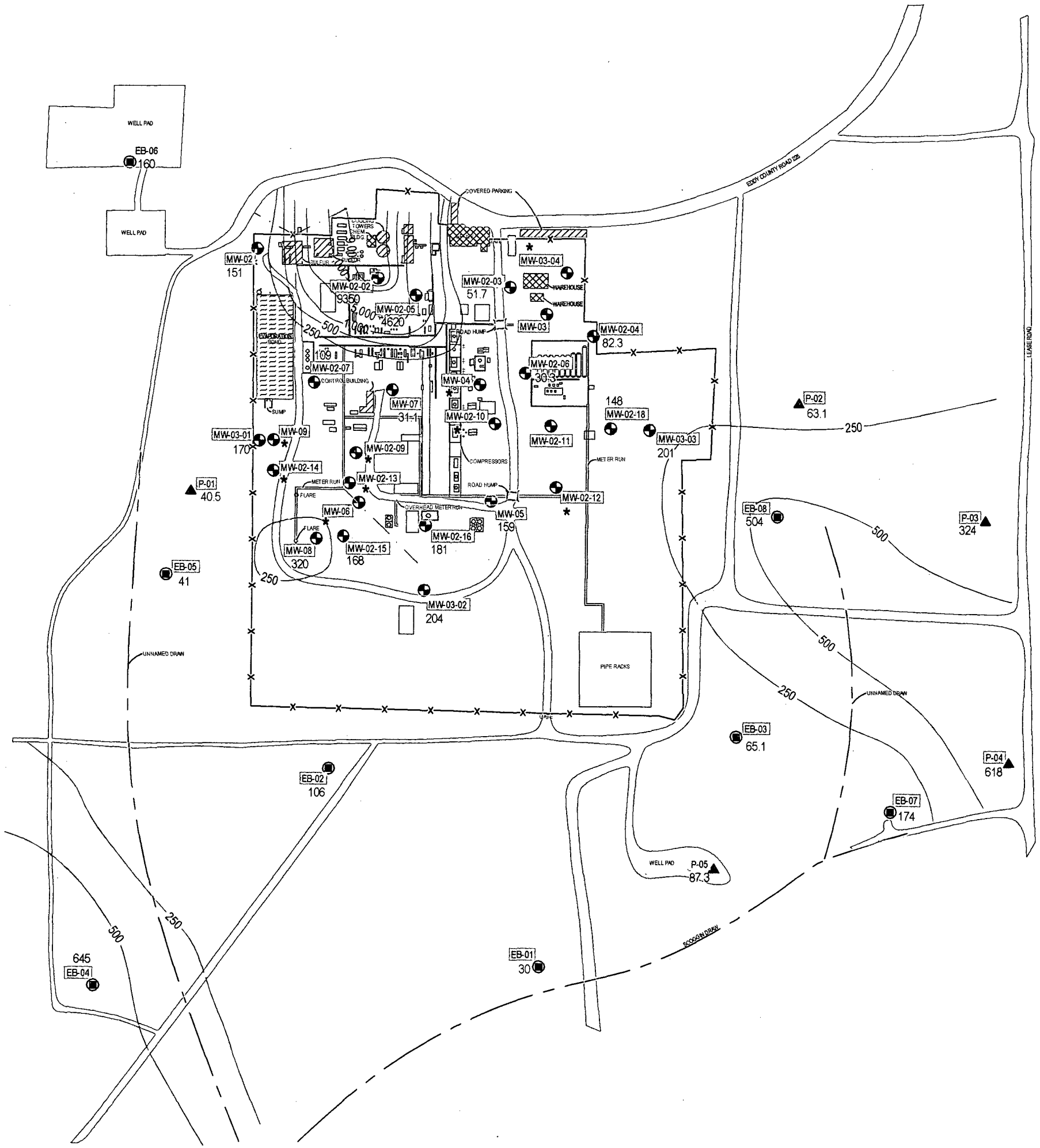
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

DISSOLVED BENZENE CONCENTRATION IN GROUNDWATER
SEPTEMBER 17-18, 2007

DATE 10-29-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 / 151 - MONITORING WELL LOCATION AND CHLORIDE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- P-01 / 40.5 - PIEZOMETER (FLUID LEVEL) LOCATION AND CHLORIDE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- EB-01 / 30 - MONITORING WELL AND PIEZOMETER NEST LOCATION AND CHLORIDE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- * - HYDROCARBON PRODUCT (PSH) IN WELL, NO SAMPLE COLLECTED
- 250 - CONTOUR OF CHLORIDE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- DENOTES FENCE
- DENOTES DRAINAGE / DRAW
- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 15

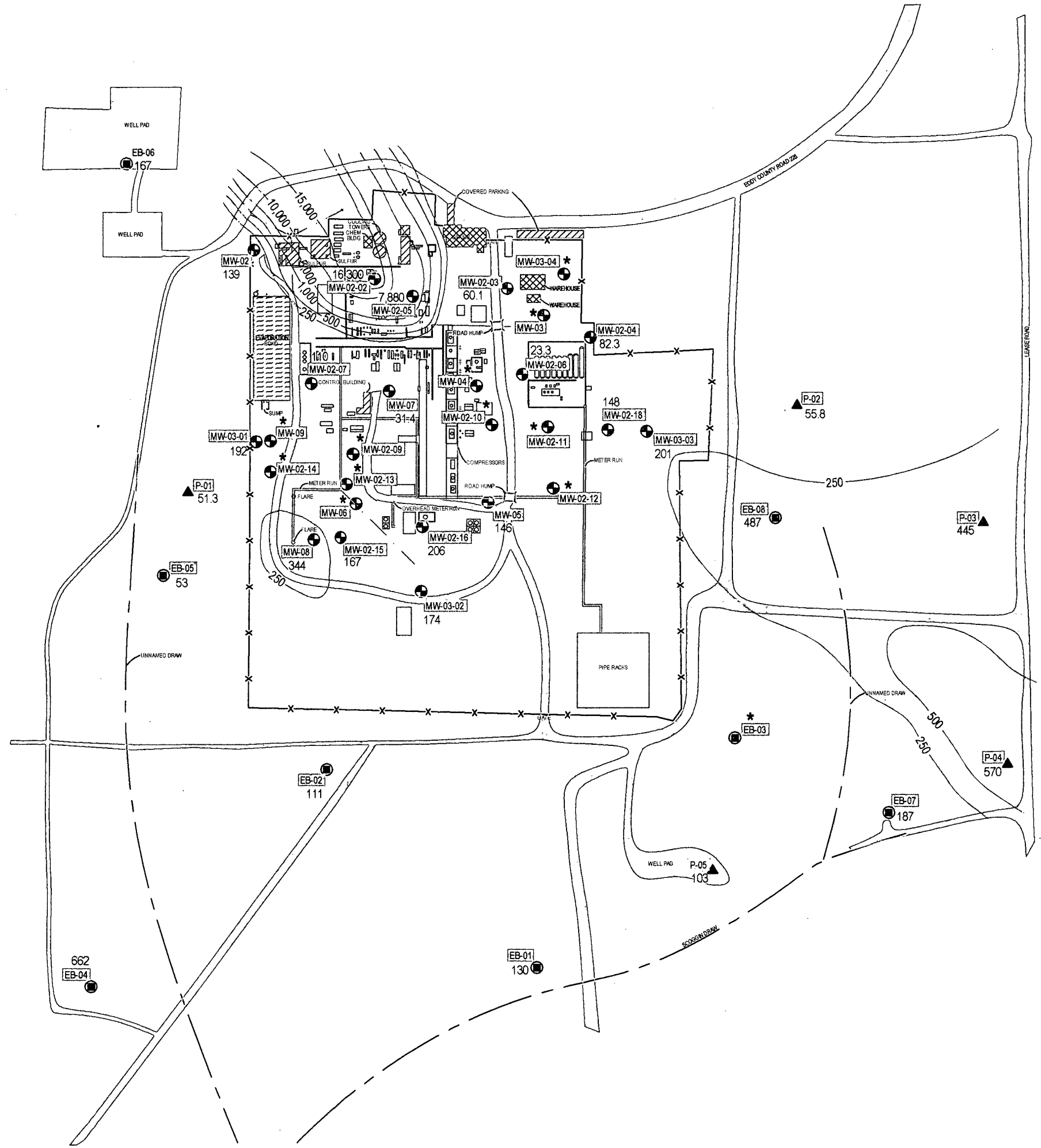
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

CHLORIDE CONCENTRATION IN GROUNDWATER
MARCH 26-27, 2007

DATE: 05-17-07
NAME: SJA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 151 - MONITORING WELL LOCATION AND CHLORIDE CONCENTRATION IN GROUNDWATER, (MG/L), JUNE 18-20, 2007
- P-01 40.5 - PIEZOMETER (FLUID LEVEL) LOCATION AND CHLORIDE CONCENTRATION IN GROUNDWATER, (MG/L), JUNE 18-20, 2007
- EB-01 30 - MONITORING WELL AND PIEZOMETER NEST LOCATION AND CHLORIDE CONCENTRATION IN GROUNDWATER, (MG/L), JUNE 18-20, 2007
- * - HYDROCARBON PRODUCT (PSH) IN WELL, NO SAMPLE COLLECTED
- 250 - CONTOUR OF CHLORIDE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- DENOTES FENCE
- DENOTES DRAINAGE / DRAW
- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 16

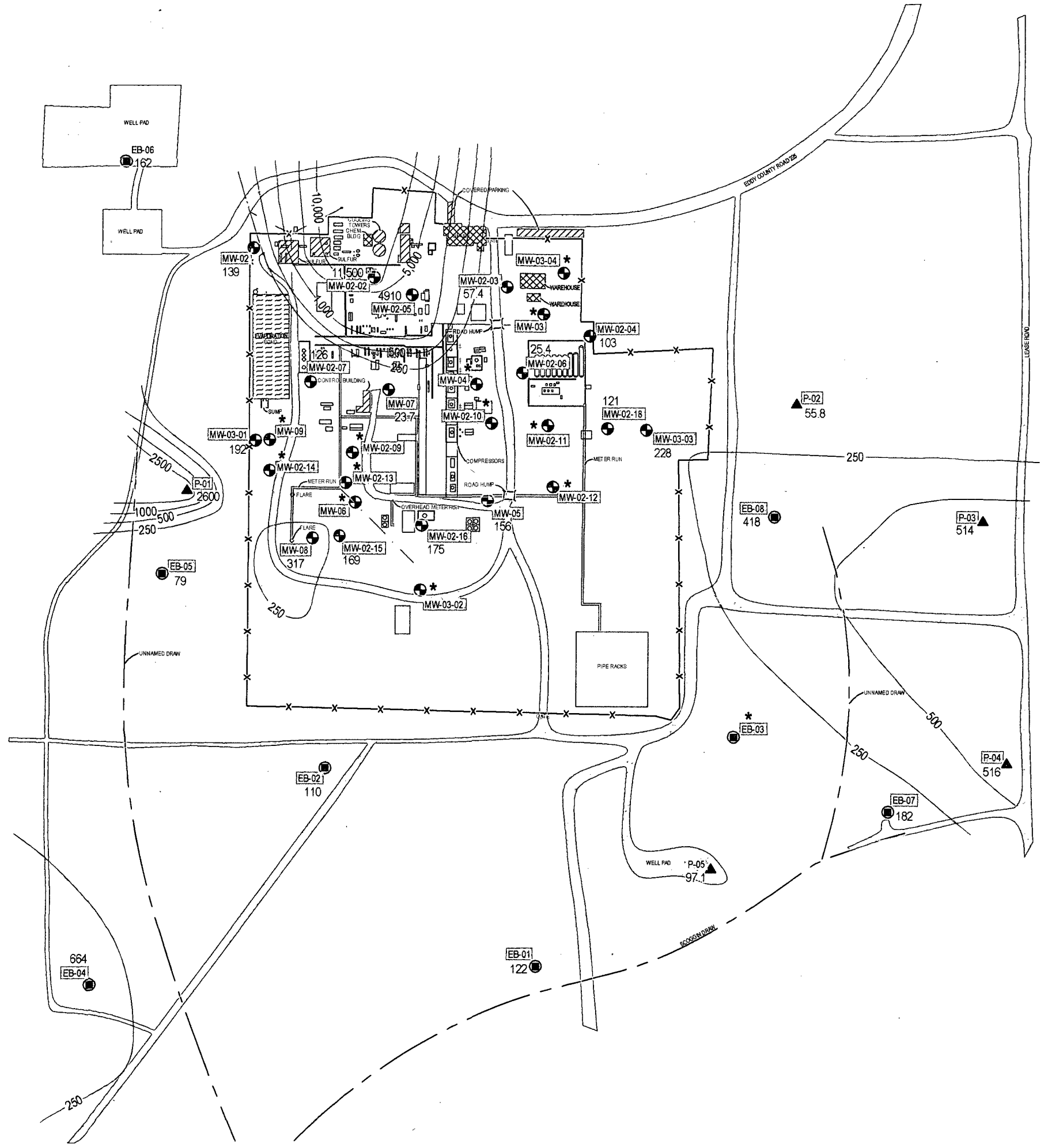
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

CHLORIDE CONCENTRATION IN GROUNDWATER
JUNE 18-20, 2007

DATE 10-29-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.63'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

FIGURE # 17

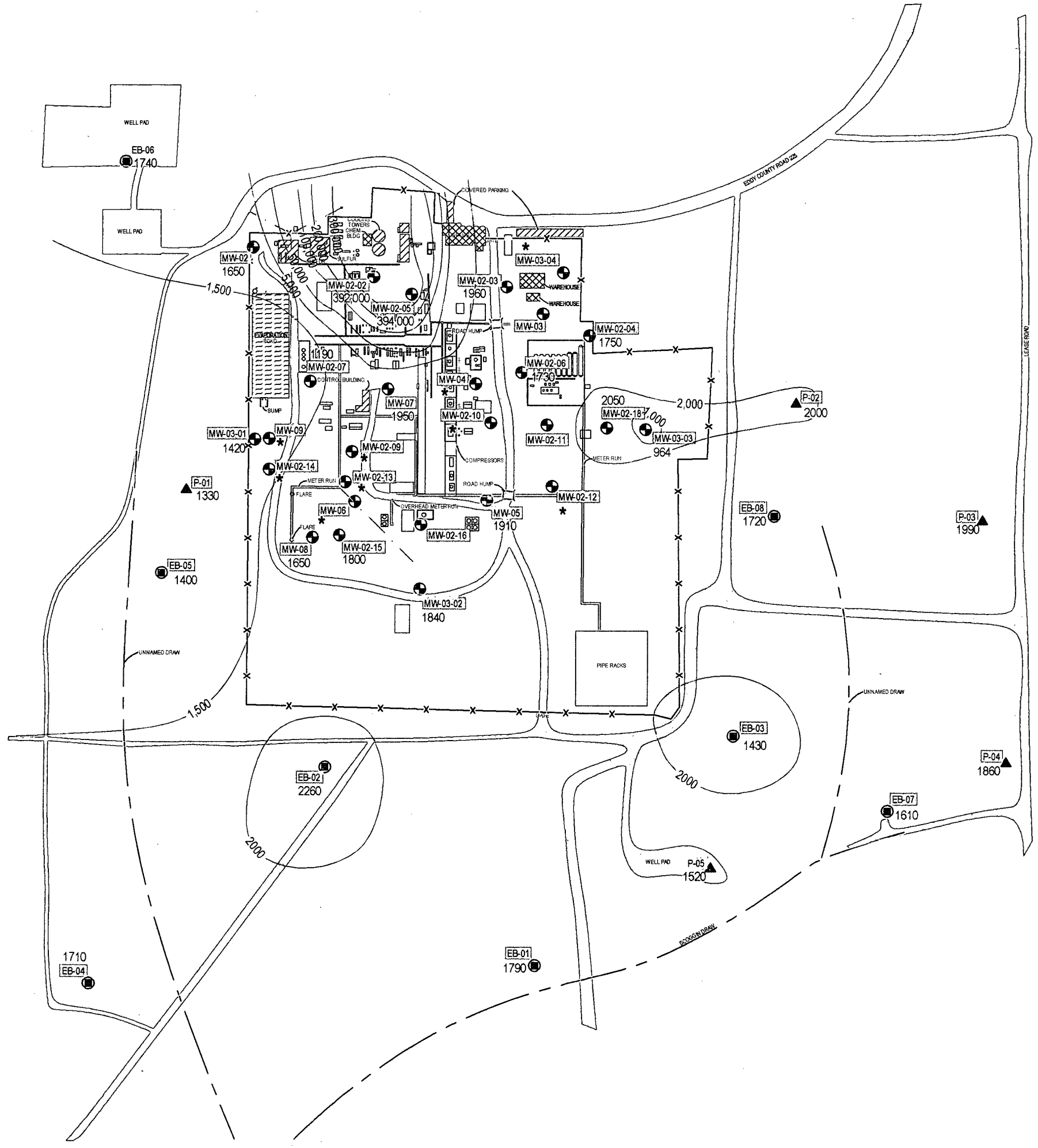
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

CHLORIDE CONCENTRATION IN GROUNDWATER
SEPTEMBER 17-18, 2007

DATE 10-29-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.63'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 1650 - MONITORING WELL LOCATION AND SULFATE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- P-01 330 - PIEZOMETER (FLUID LEVEL) LOCATION AND SULFATE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- EB-01 1790 - MONITORING WELL AND PIEZOMETER NEST LOCATION AND SULFATE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- * - HYDROCARBON PRODUCT (PSH) IN WELL, NO SAMPLE COLLECTED
- 1,500 - CONTOUR OF SULFATE CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- - DENOTES FENCE
- - DENOTES DRAINAGE / DRAW
- - DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 18

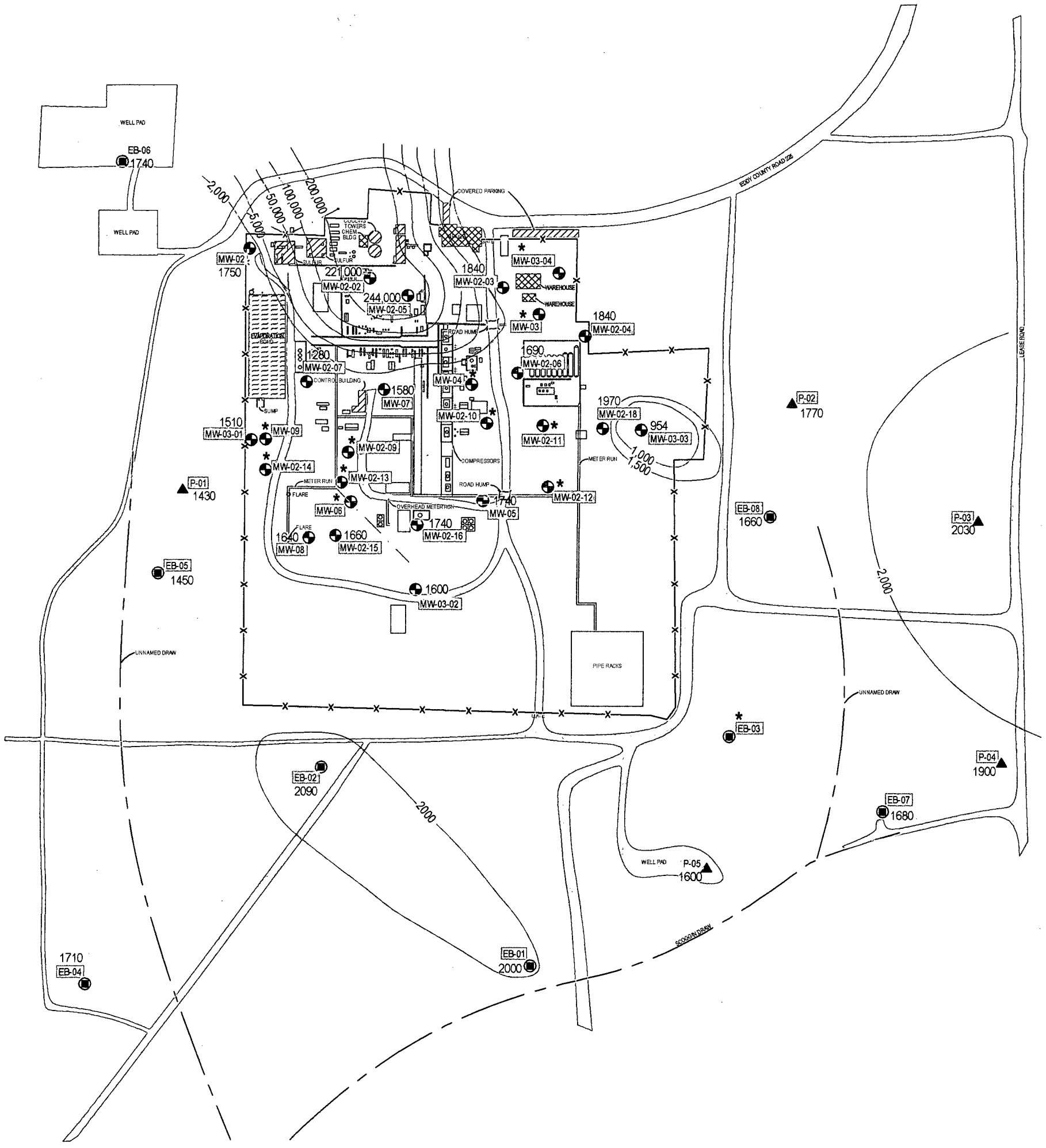
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

SULFATE CONCENTRATION IN GROUNDWATER
MARCH 26-27, 2007

DATE 05-17-07
NAME: SJA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
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MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 1750 - MONITORING WELL LOCATION AND SULFATE CONCENTRATION IN GROUNDWATER, (MG/L), JUNE 18-20, 2007
- P-01 1430 - PIEZOMETER (FLUID LEVEL) LOCATION AND SULFATE CONCENTRATION IN GROUNDWATER, (MG/L), JUNE 18-20, 2007
- EB-01 2000 - MONITORING WELL AND PIEZOMETER NEST LOCATION AND SULFATE CONCENTRATION IN GROUNDWATER, (MG/L), JUNE 18-20, 2007
- * - HYDROCARBON PRODUCT (PSH) IN WELL, NO SAMPLE COLLECTED
- 1,500 - CONTOUR OF SULFATE CONCENTRATION IN GROUNDWATER, (MG/L), JUNE 18-20, 2007
- DENOTES FENCE
- DENOTES DRAINAGE / DRAW
- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 19

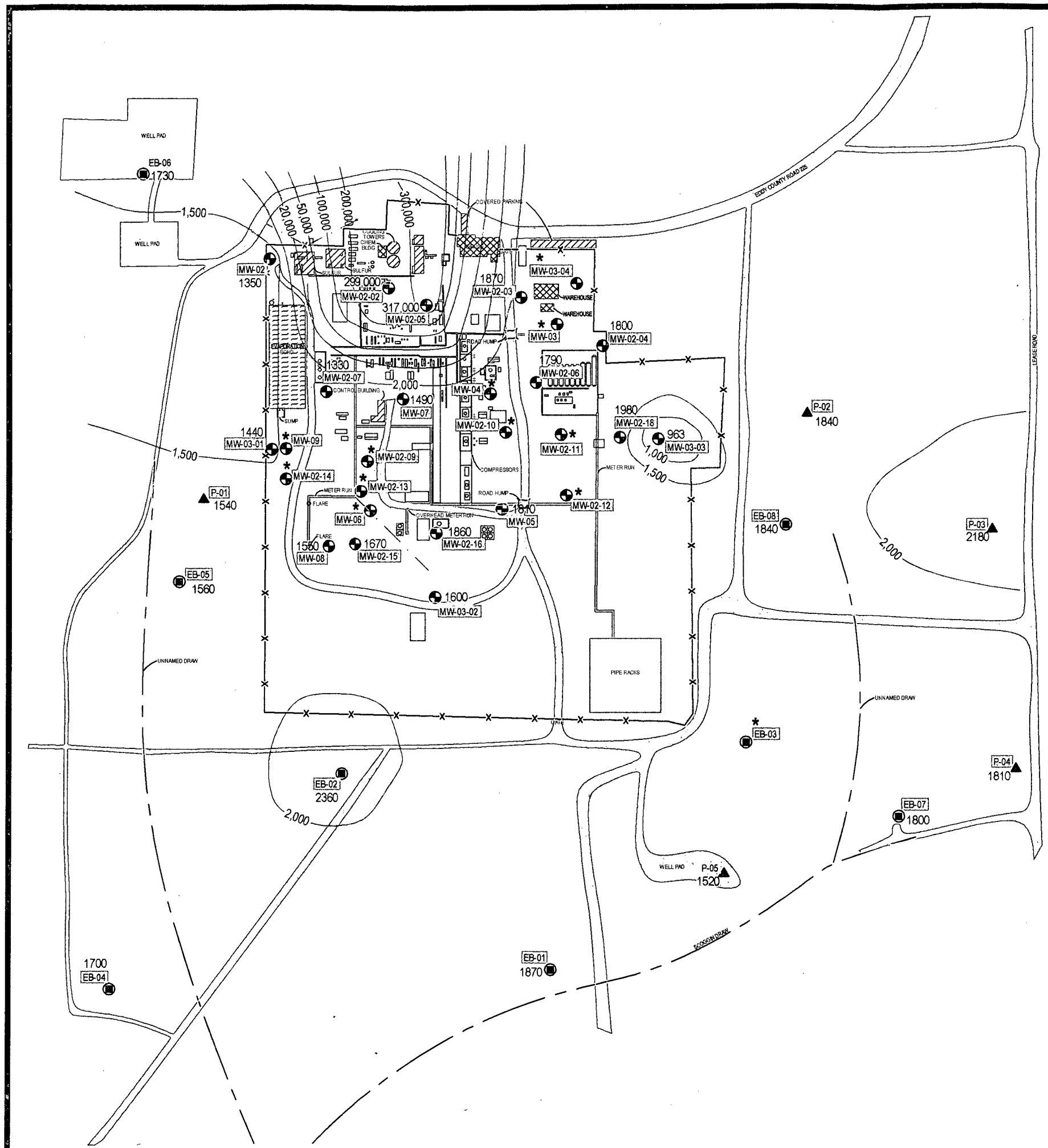
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

SULFATE CONCENTRATION IN GROUNDWATER
JUNE 18-20, 2007

DATE 10-30-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 / 1350 — MONITORING WELL LOCATION AND SULFATE CONCENTRATION IN GROUNDWATER, (MG/L), SEPTEMBER 17-18, 2007
- P-01 / 1540 — PIEZOMETER (FLUID LEVEL) LOCATION AND SULFATE CONCENTRATION IN GROUNDWATER, (MG/L), SEPTEMBER 17-18, 2007
- EB-01 / 1870 — MONITORING WELL AND PIEZOMETER NEST LOCATION AND SULFATE CONCENTRATION IN GROUNDWATER, (MG/L), SEPTEMBER 17-18, 2007
- * — HYDROCARBON PRODUCT (PSH) IN WELL, NO SAMPLE COLLECTED
- 1,500 — CONTOUR OF SULFATE CONCENTRATION IN GROUNDWATER, (MG/L), SEPTEMBER 17-18, 2007
- DENOTES FENCE
- DENOTES DRAINAGE / DRAW
- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 20

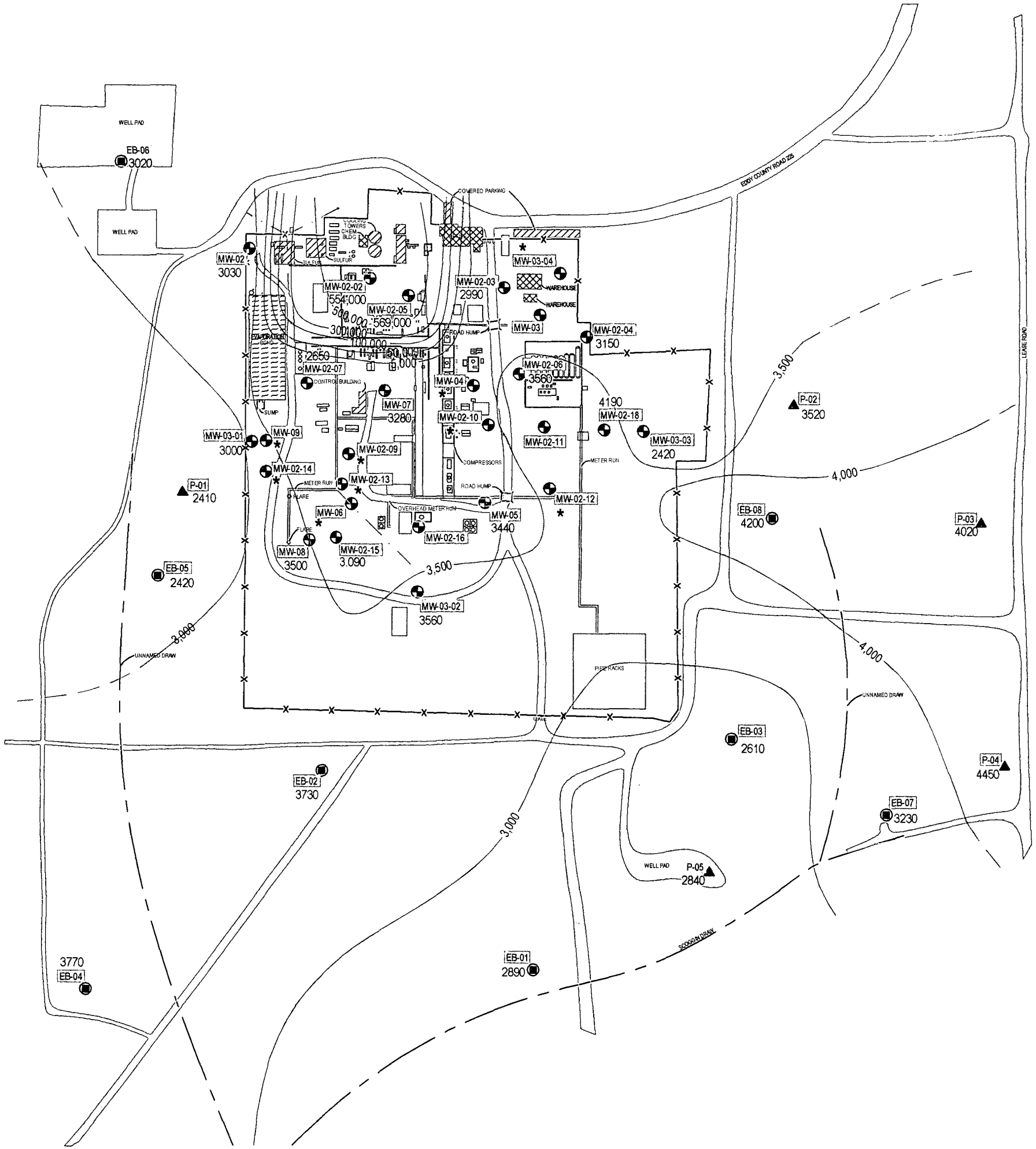
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

SULFATE CONCENTRATION IN GROUNDWATER
SEPTEMBER 17-18, 2007

DATE 10-30-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 3030 - MONITORING WELL LOCATION AND TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- P-01 2410 - PIEZOMETER (FLUID LEVEL) LOCATION AND TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- EB-01 2890 - MONITORING WELL AND PIEZOMETER NEST LOCATION AND TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- * - HYDROCARBON PRODUCT (PSH) IN WELL, NO SAMPLE COLLECTED
- 1,500 - CONTOUR OF TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER, (MG/L), MARCH 26-27, 2007
- - DENOTES FENCE
- - DENOTES DRAINAGE / DRAW
- - DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 21

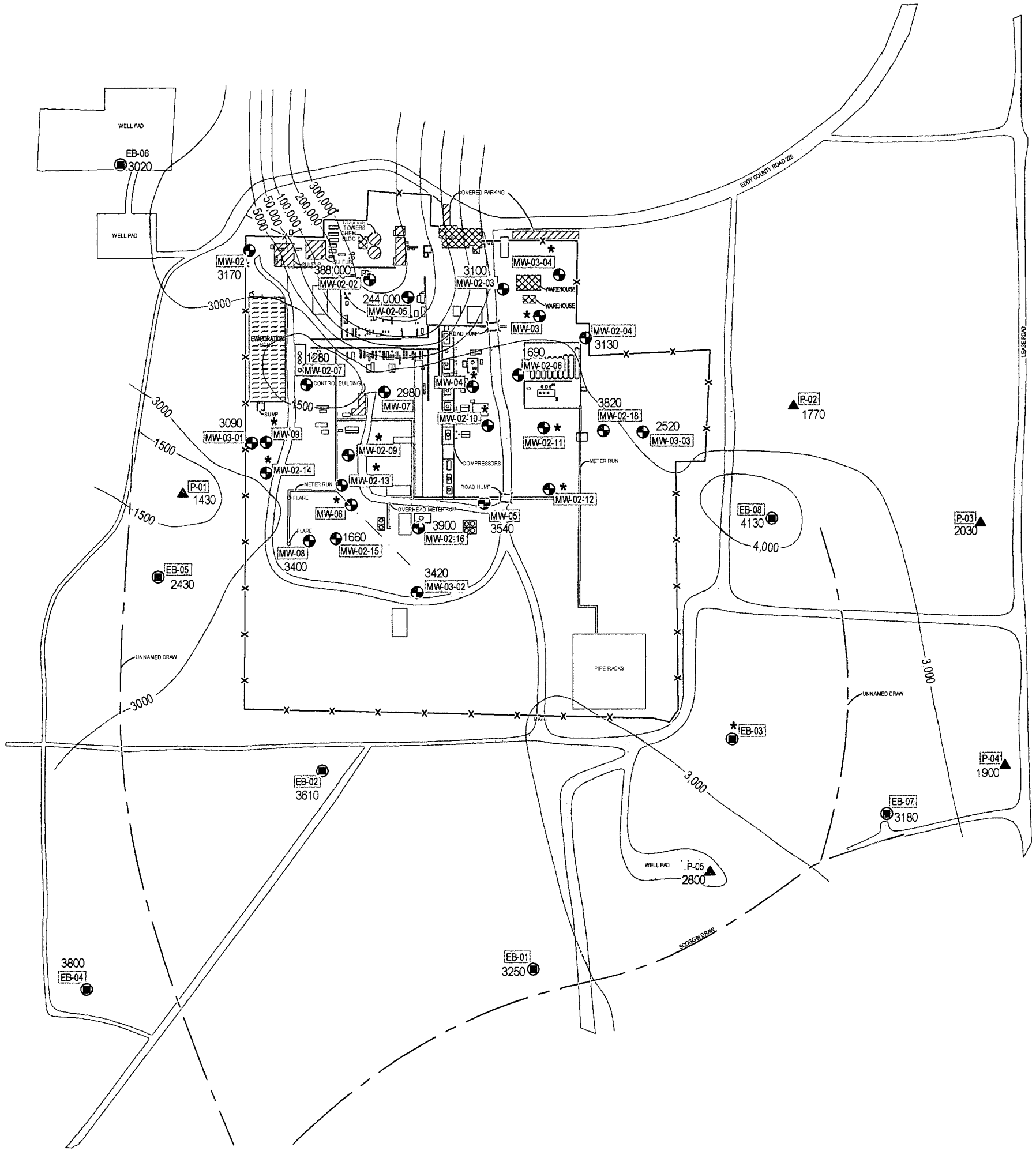
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER MARCH 26-27, 2007

DATE 05-17-07
NAME: SJA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
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MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
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MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
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P-01	3530.21'	3527.9'
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P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 / 3170 — MONITORING WELL LOCATION AND TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER, (MG/L), JUNE 18-20, 2007
- P-01 / 1430 — PIEZOMETER (FLUID LEVEL) LOCATION AND TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER, (MG/L), JUNE 18-20, 2007
- EB-01 / 3750 — MONITORING WELL AND PIEZOMETER NEST LOCATION AND TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER, (MG/L), JUNE 18-20, 2007
- * — HYDROCARBON PRODUCT (PSH) IN WELL, NO SAMPLE COLLECTED
- 1,500 — CONTOUR OF TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER, (MG/L), JUNE 18-20, 2007
- DENOTES FENCE
- DENOTES DRAINAGE / DRAW
- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 22

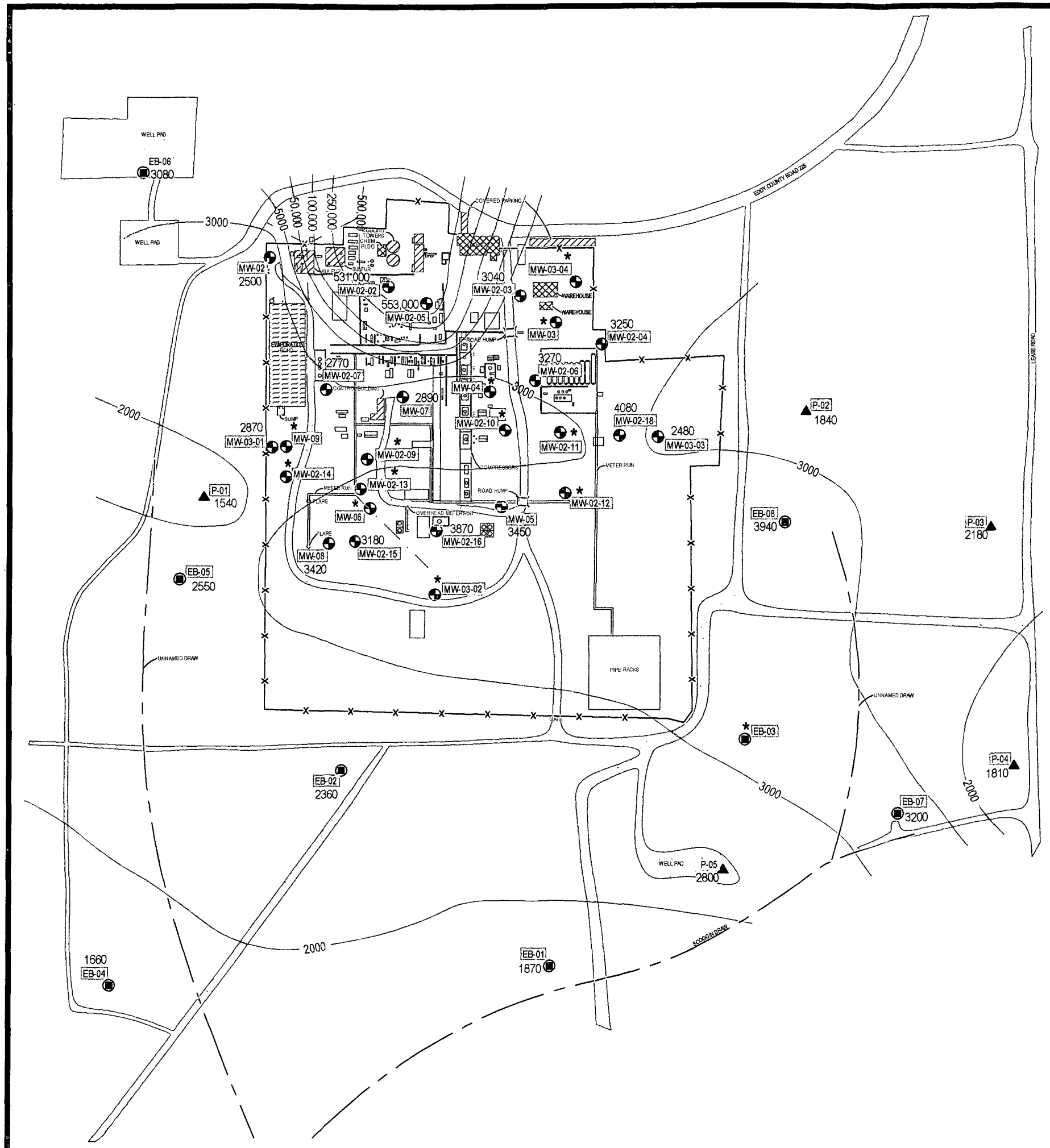
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER
JUNE 18-20, 2007

DATE 10-30-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
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MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3608.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 / 2500 — MONITORING WELL LOCATION AND TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER, (MG/L), SEPTEMBER 17-18, 2007
- P-01 / 1540 — PIEZOMETER (FLUID LEVEL) LOCATION AND TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER, (MG/L), SEPTEMBER 17-18, 2007
- EB-01 / 1870 — MONITORING WELL AND PIEZOMETER NEST LOCATION AND TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER, (MG/L), SEPTEMBER 17-18, 2007
- * — HYDROCARBON PRODUCT (PSH) IN WELL, NO SAMPLE COLLECTED
- 1,500 — CONTOUR OF TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER, (MG/L), SEPTEMBER 17-18, 2007
- DENOTES FENCE
- DENOTES DRAINAGE / DRAW
- DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 23

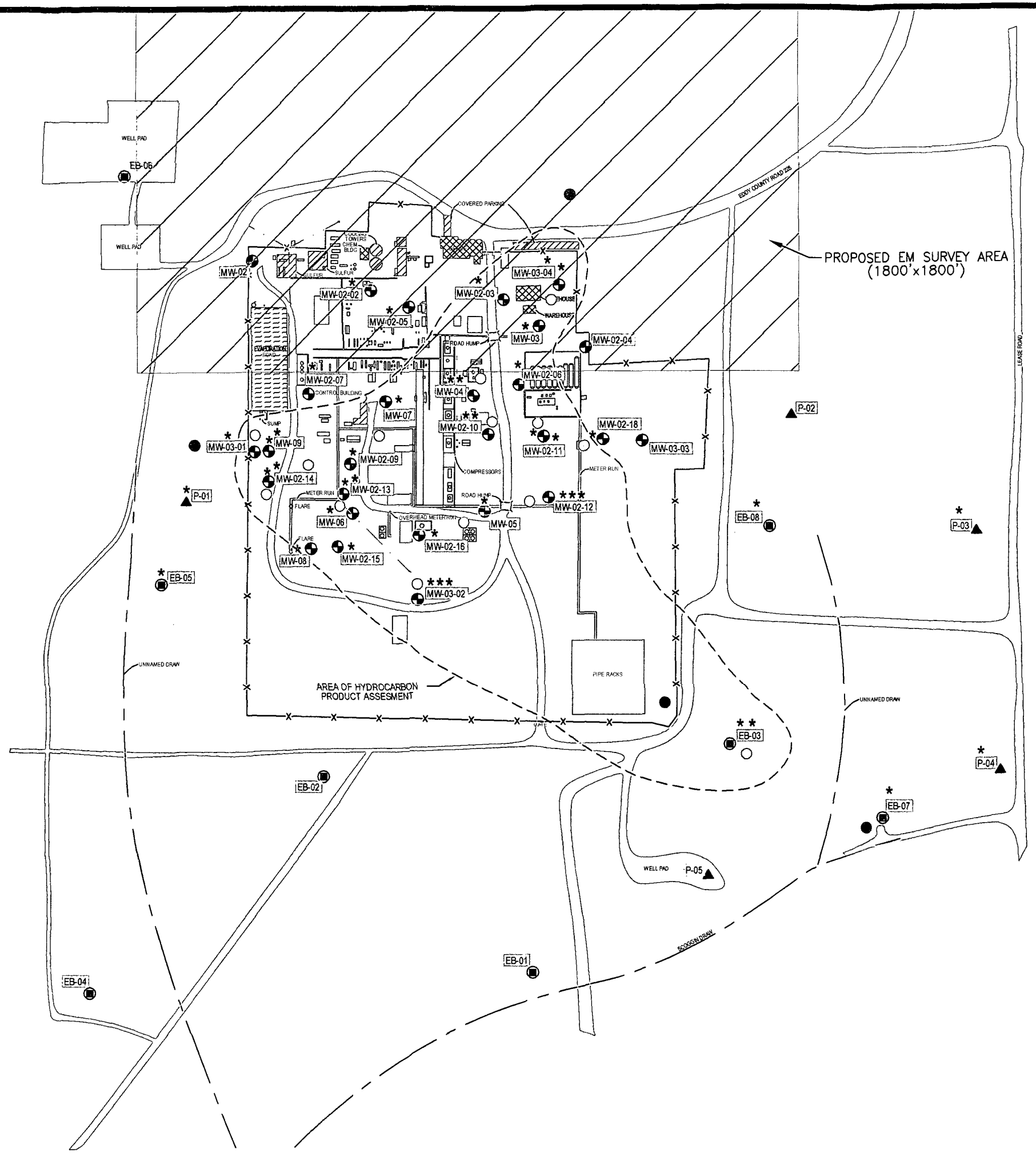
EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

TOTAL DISSOLVED SOLIDS CONCENTRATION IN GROUNDWATER SEPTEMBER 17-18, 2007

DATE 10-30-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants



MONITORING WELL DATA

WELL NUMBER	TOP OF CASING ELEVATION (FEET) AMSL	GROUND ELEVATION (FEET) AMSL
MW-02	3548.19'	3545.3'
MW-02-02	3552.26'	3549.3'
MW-02-03	3556.03'	3553.0'
MW-02-04	3553.79'	3550.9'
MW-02-05	3552.69'	3549.9'
MW-02-06	3550.82'	3548.3'
MW-02-07	3547.00'	3544.2'
MW-02-09	3546.52'	3543.5'
MW-02-10	3548.40'	3545.4'
MW-02-11	3546.79'	3544.0'
MW-02-12	3543.32'	3540.3'
MW-02-13	3545.59'	3542.7'
MW-02-14	3544.53'	3541.3'
MW-02-15	3543.29'	3540.2'
MW-02-16	3544.24'	3541.0'
MW-02-18	3547.70'	3542.7'
MW-03	3555.30'	3552.4'
MW-03-01	3542.56'	3539.9'
MW-03-02	3541.08'	3538.6'
MW-03-03	3544.72'	3542.3'
MW-03-04	3558.45'	3555.7'
MW-04	3550.99'	3547.8'
MW-05	3543.77'	3540.6'
MW-06	3544.50'	3541.8'
MW-07	3546.49'	3546.0'
MW-08	3543.73'	3540.5'
MW-09	3542.82'	3540.4'
P-01	3530.21'	3527.9'
P-02	3544.73'	3542.3'
P-03	3536.83'	3534.4'
P-04	3515.77'	3513.5'
P-05	3507.48'	3504.9'
EB-01	3492.15'	3491.5'
EB-02	3525.34'	3522.6'
EB-03	3521.05'	3517.8'
EB-04	3508.38'	3505.3'
EB-05	3526.61'	3523.7'
EB-06	3556.63'	3555.6'
EB-07	3503.97'	3501.3'
EB-08	3537.07'	3533.8'

LEGEND

- MW-02 - MONITORING WELL LOCATION
- P-01 - PIEZOMETER (FLUID LEVEL) LOCATION
- EB-01 - MONITORING WELL AND PIEZOMETER NEST LOCATION
- * - MONITORING WELL WITH SUBMERGED SCREEN
- * - MONITORING WELL WITH MEASURABLE HYDROCARBON PRODUCT THICKNESS
- ○ - PROPOSED HYDROCARBON PRODUCT ASSESSMENT AND RECOVERY WELL (FULL PENETRATION AND SCREEN)
- ● - PROPOSED MONITORING WELL LOCATION
- —x—x— - DENOTES FENCE
- — — — - DENOTES DRAINAGE / DRAW
- ▭ - DENOTES ROAD

300 0 300 600

Graphic Scale in Feet

FIGURE # 24

EDDY COUNTY, NEW MEXICO

FRONTIER FIELD SERVICES, LLC
GW-022
EMPIRE - ABO GAS PLANT
(UL I) NE/SE, SECTION 3, T-18-S, R-27-E

PROPOSED INVESTIGATION AREAS

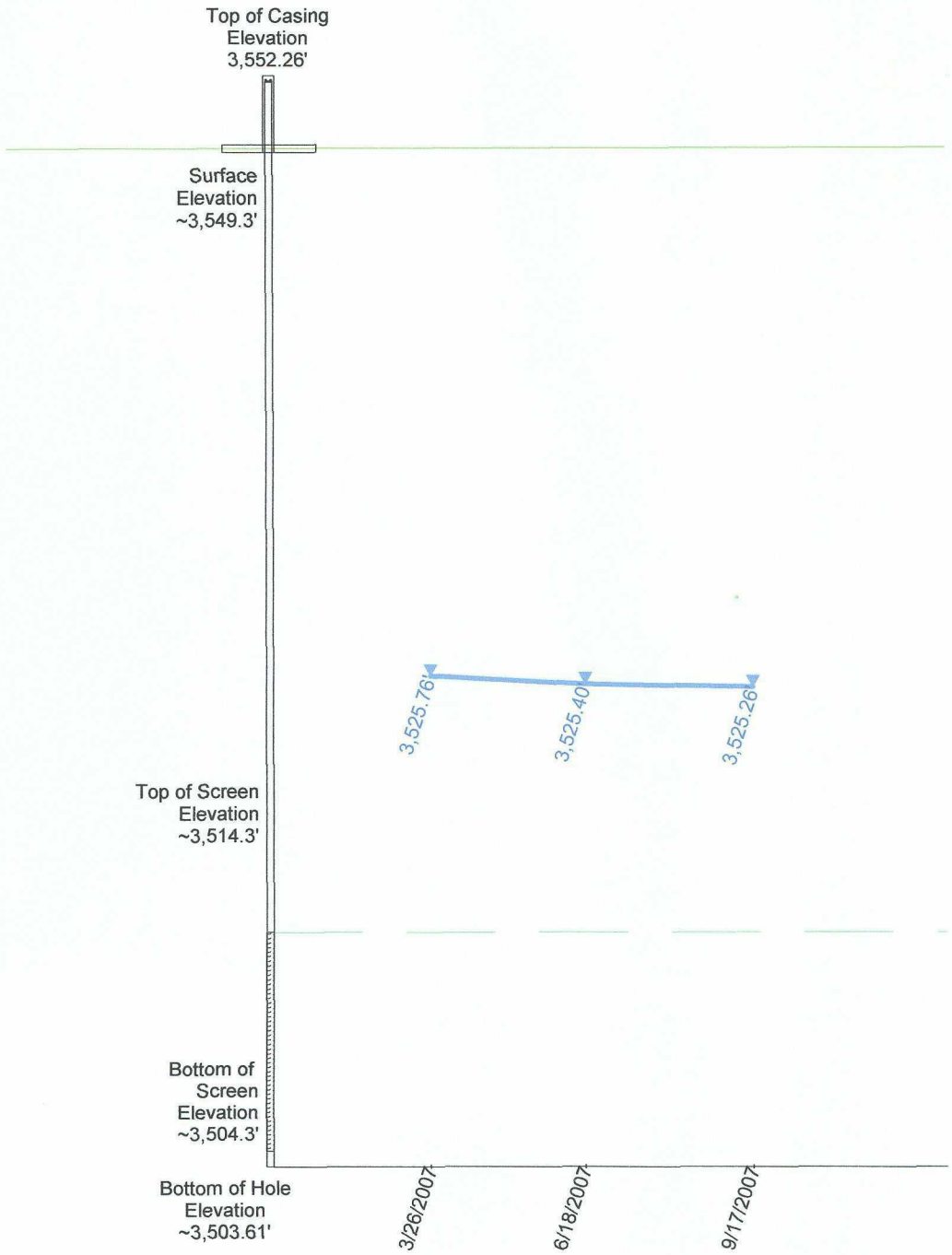
DATE 10-30-07
NAME: TA
FILE: 6-0141

Larson & Associates, inc.
Environmental Consultants

APPENDICES

APPENDIX A

Hydrographs



MW-02-02
GROUNDWATER HYDROGRAPH

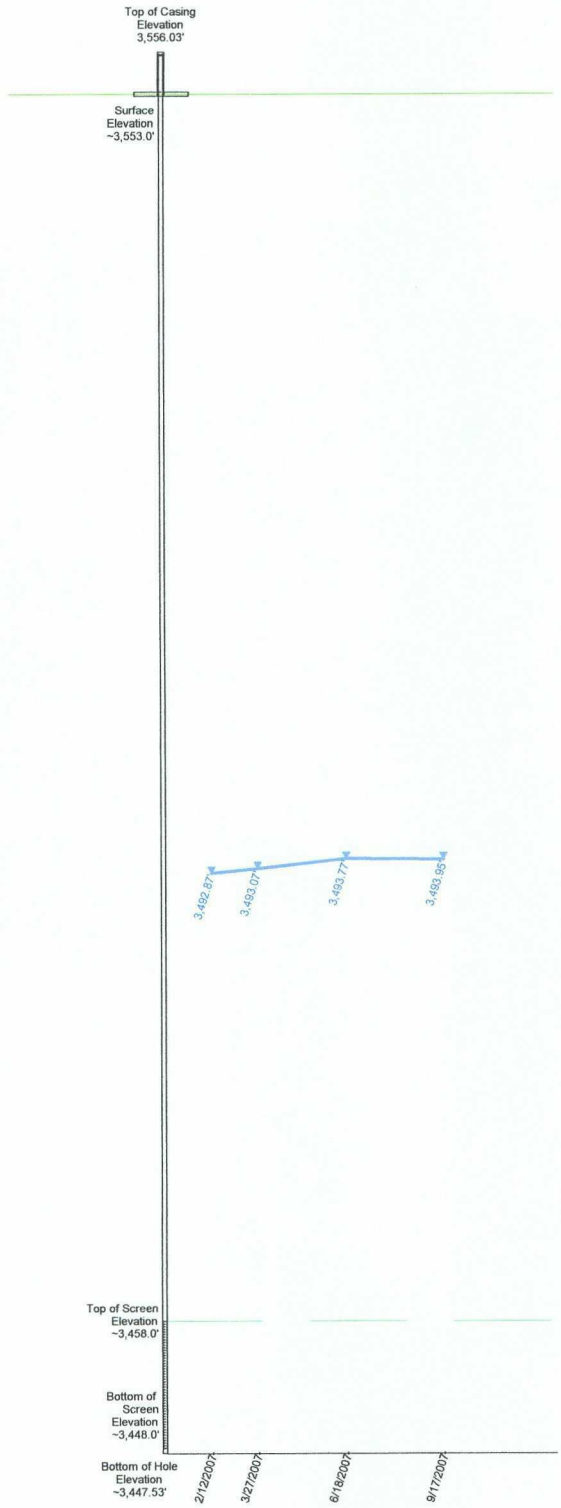
Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 18, 2007	06-0141-01

Corrected Groundwater Level

Light Nonaqueous-Phase Liquid Level

Larson & Associates, inc.
Environmental Consultants



Corrected Groundwater Level

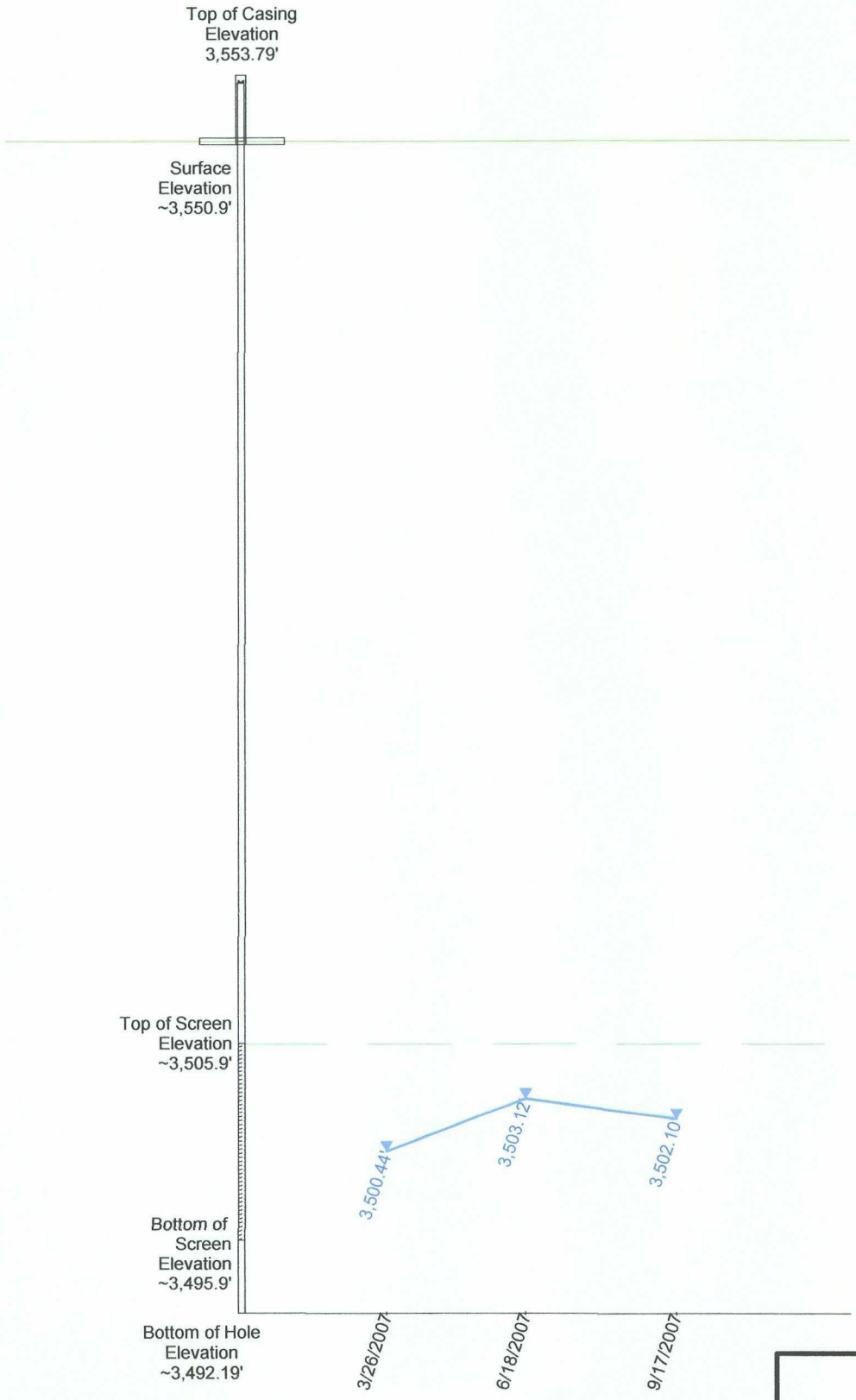
Light Nonaqueous-Phase Liquid Level

MW-02-03
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 18, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



MW-02-04
GROUNDWATER HYDROGRAPH

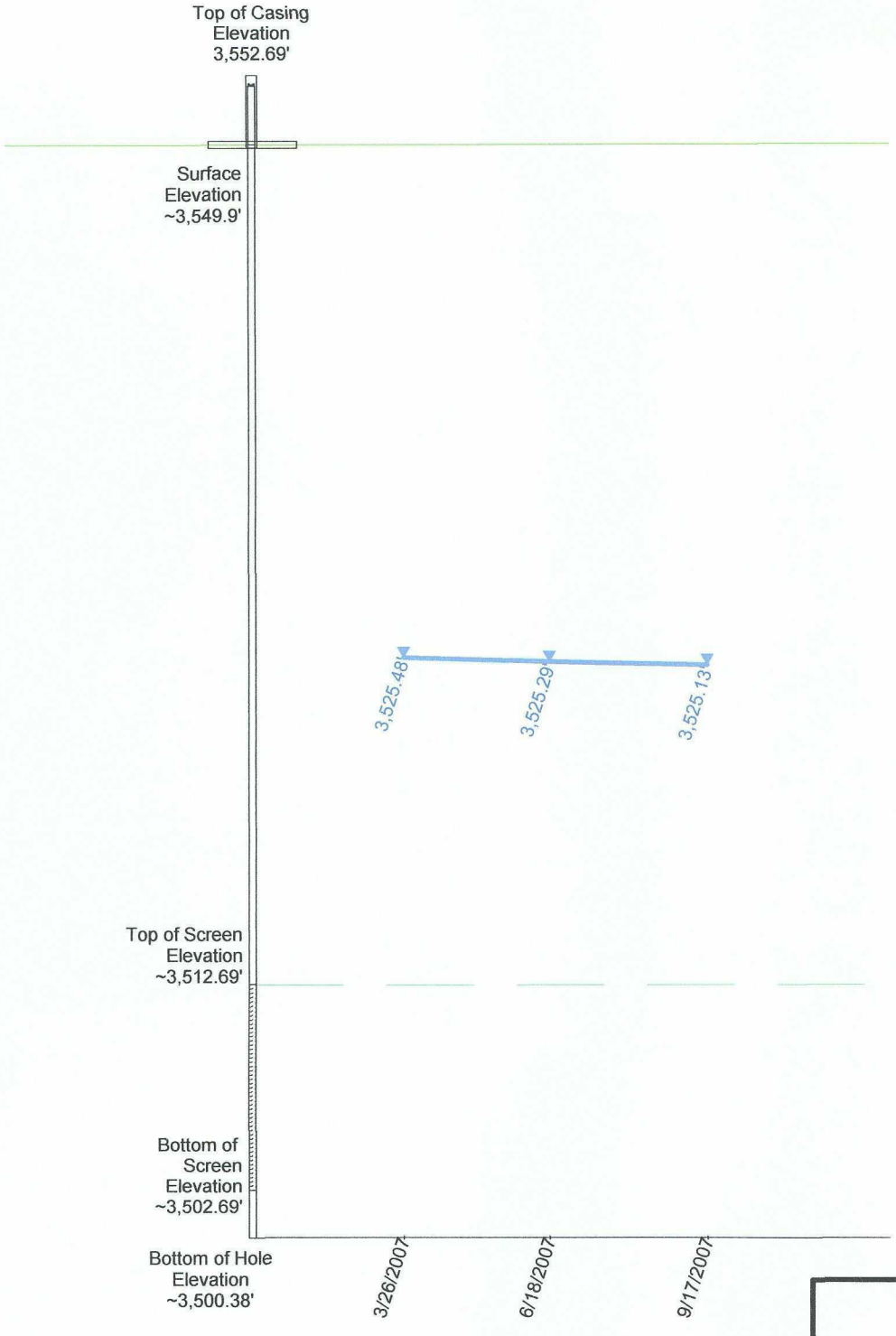
Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 18, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants

Corrected Groundwater Level

Light Nonaqueous-Phase Liquid Level



MW-02-05
GROUNDWATER HYDROGRAPH

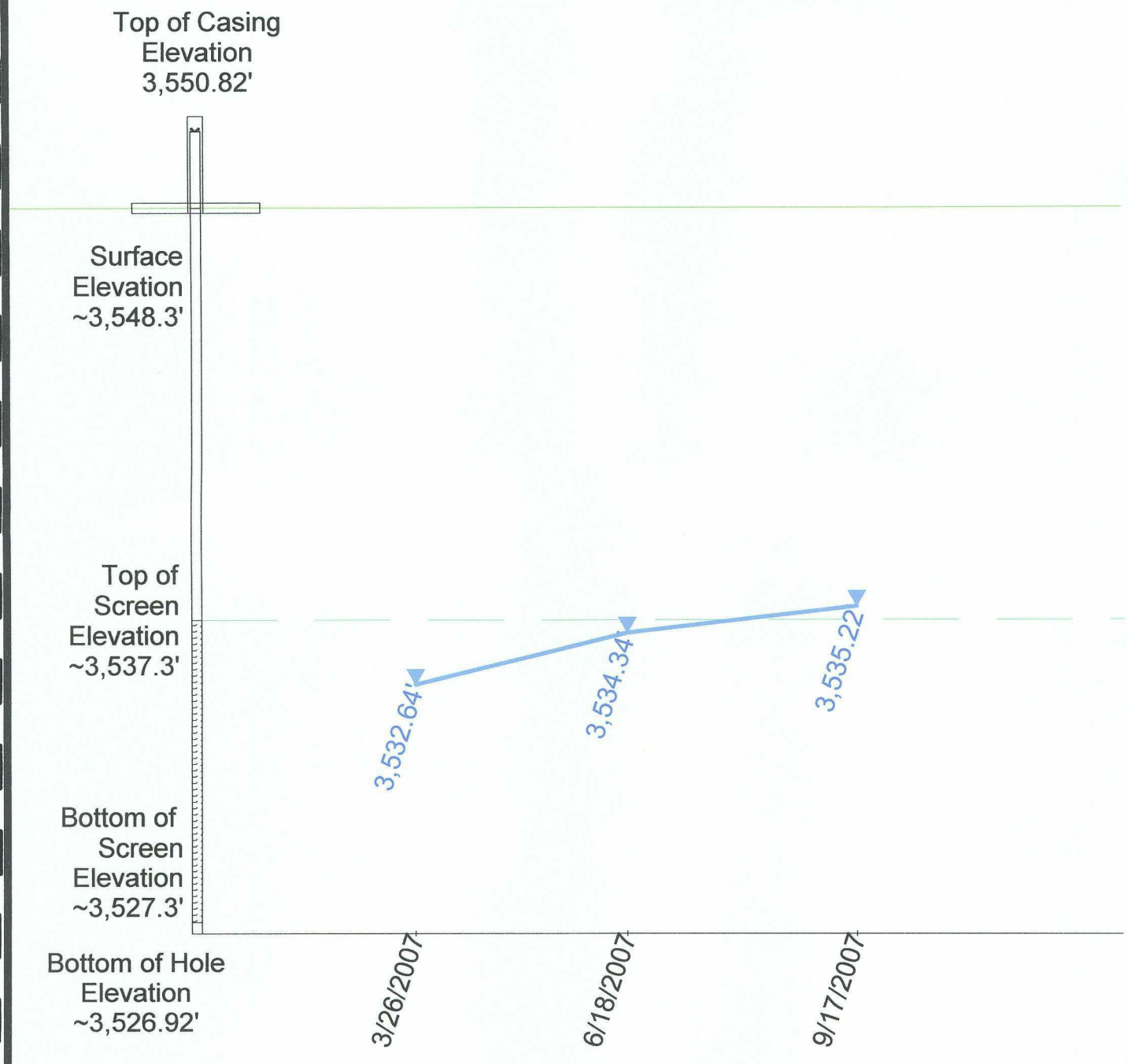
Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 18, 2007	06-0141-01

Corrected Groundwater Level

Light Nonaqueous-Phase Liquid Level

Larson & Associates, inc.
Environmental Consultants



MW-02-06
GROUNDWATER HYDROGRAPH

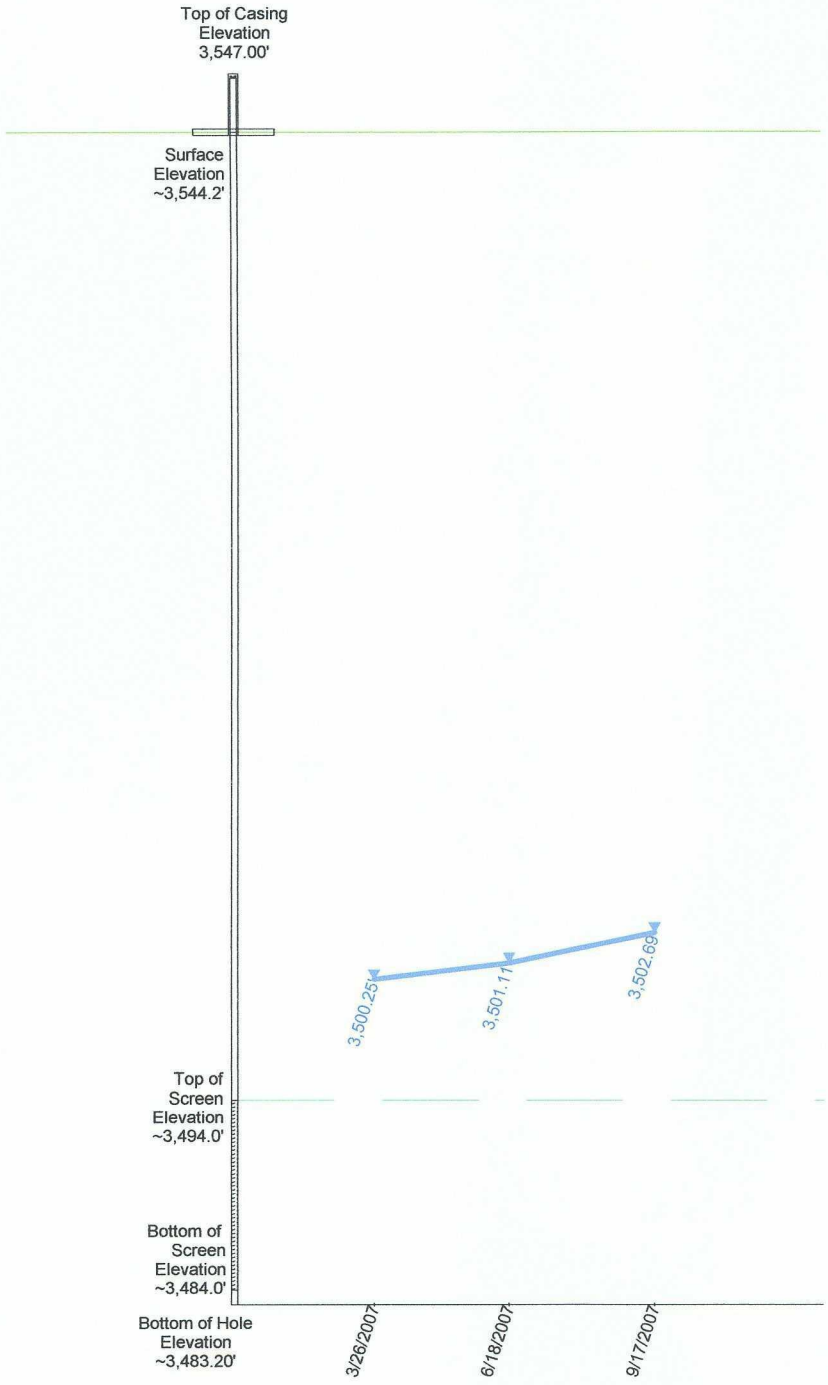
Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 18, 2007	06-0141-01

Corrected Groundwater Level

Light Nonaqueous-Phase Liquid Level

Larson & Associates, inc.
Environmental Consultants



Corrected Groundwater Level

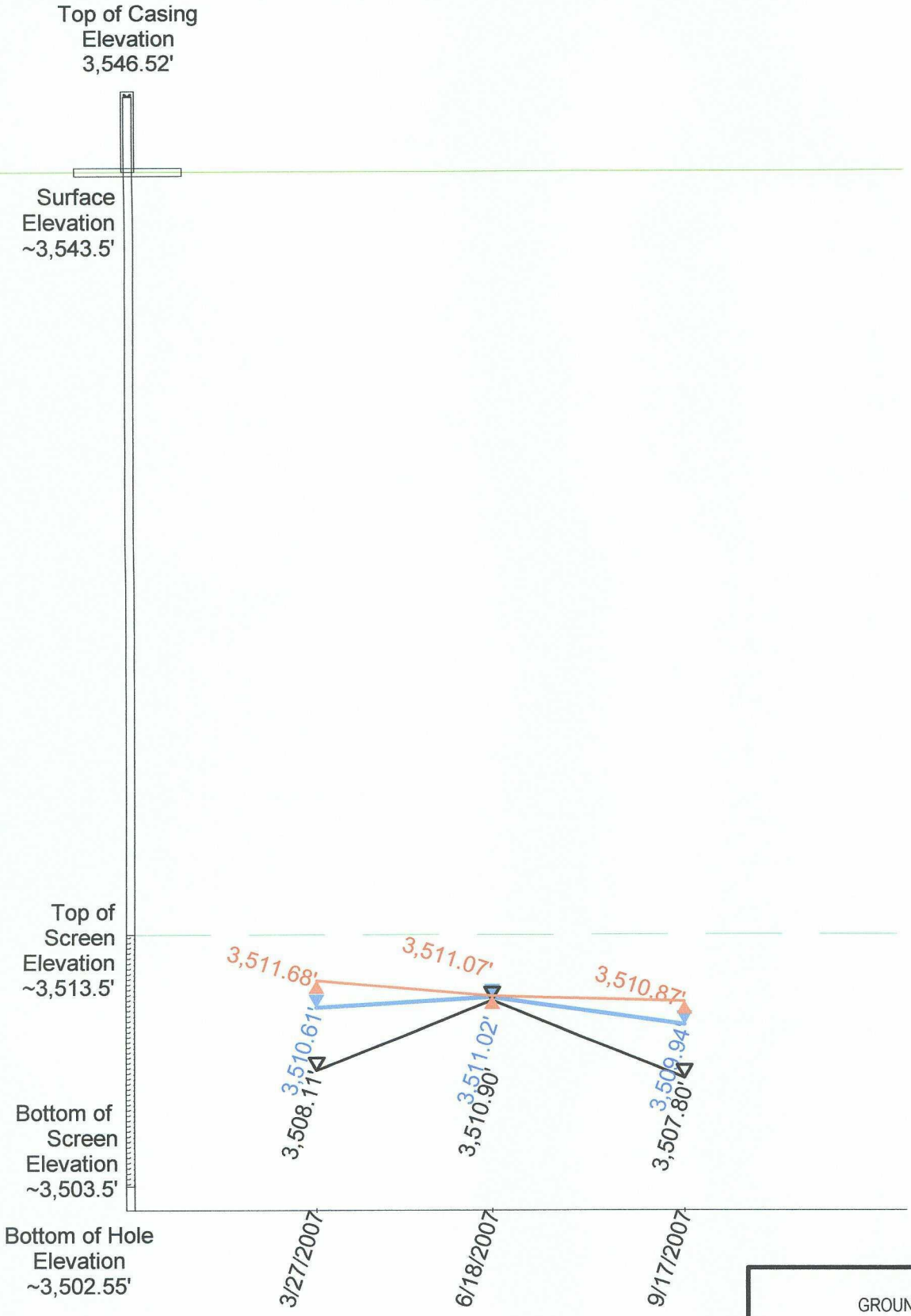
Light Nonaqueous-Phase Liquid Level

MW-02-07
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 19, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

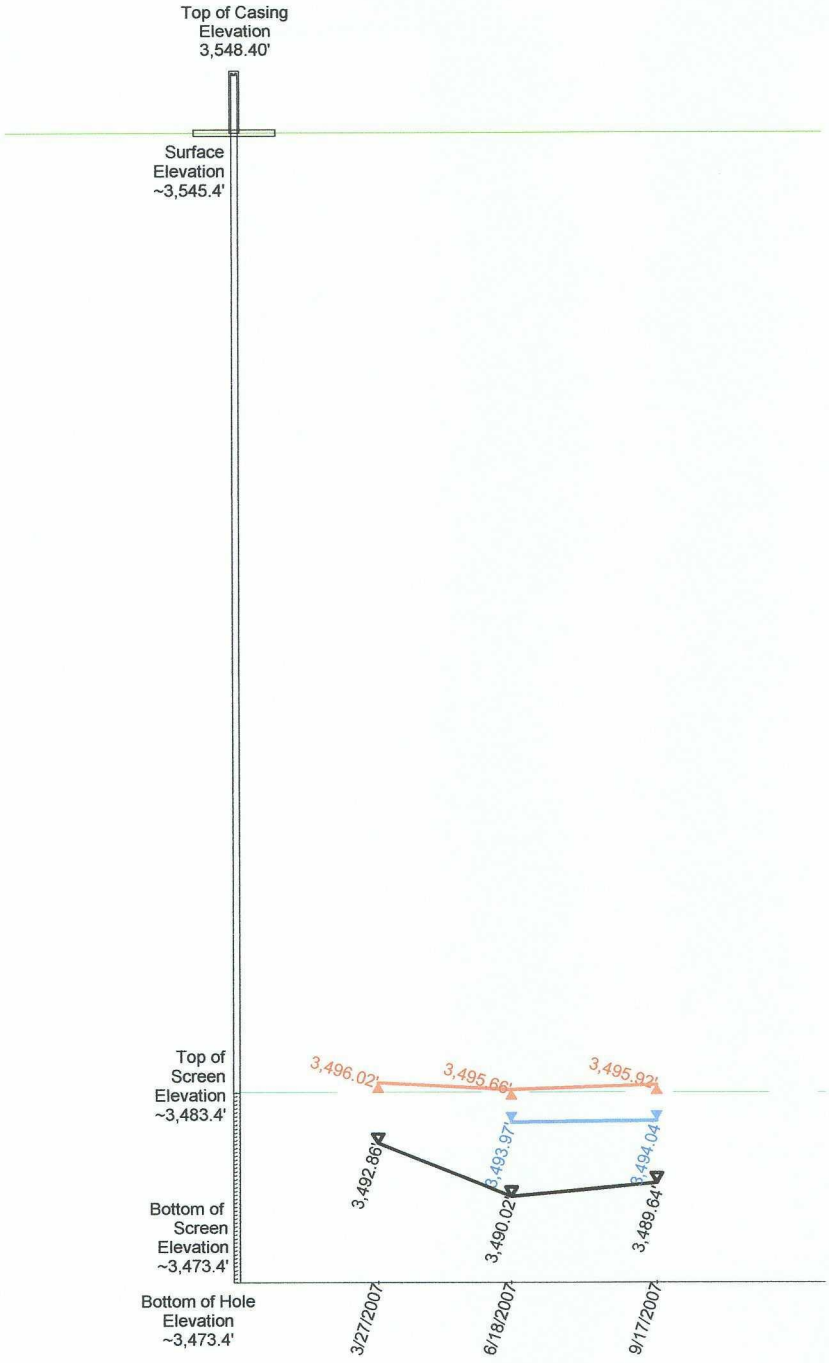
Light Nonaqueous-Phase Liquid Level

MW-02-09
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 19, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

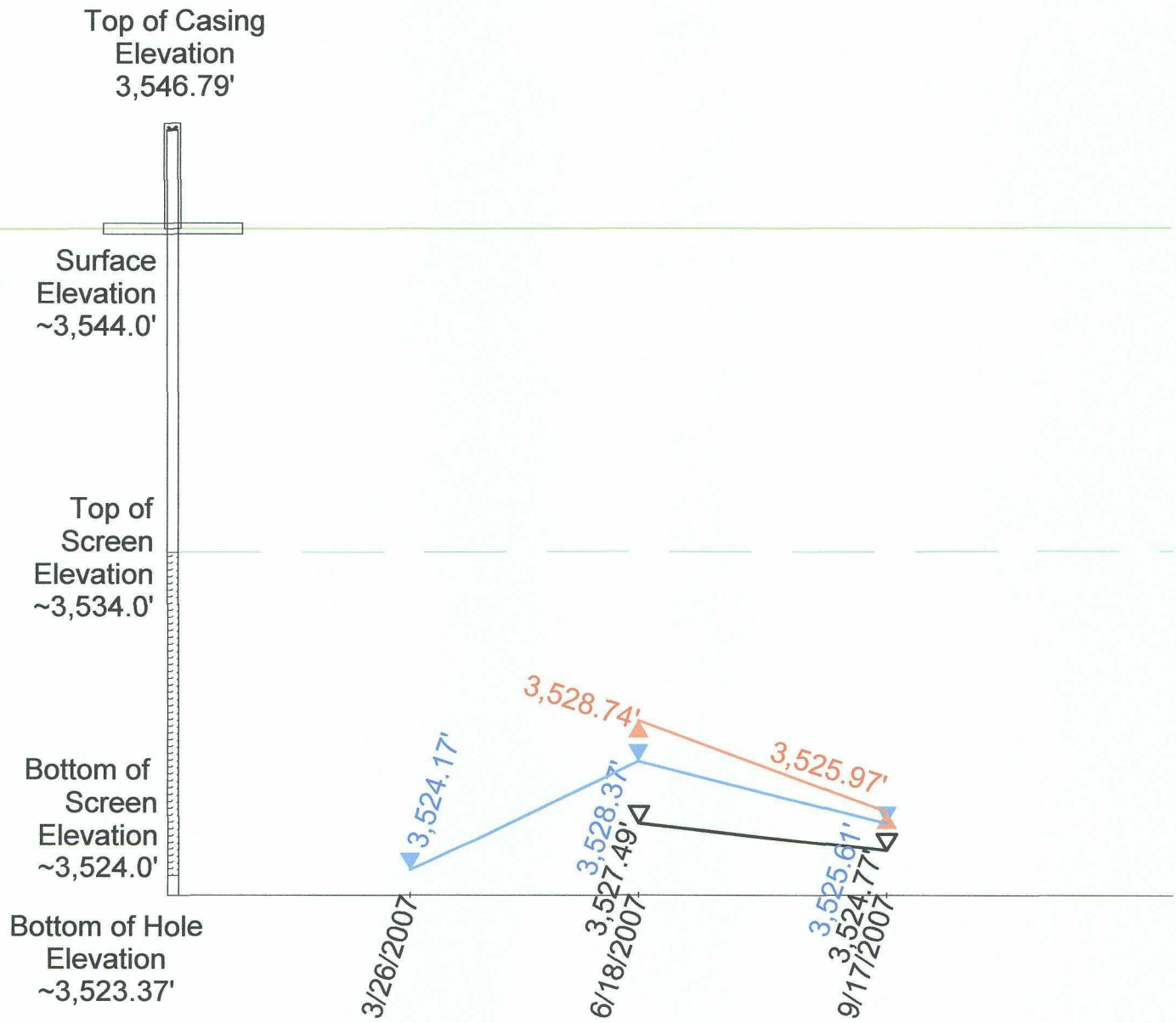
Light Nonaqueous-Phase Liquid Level

MW-02-10
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 19, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

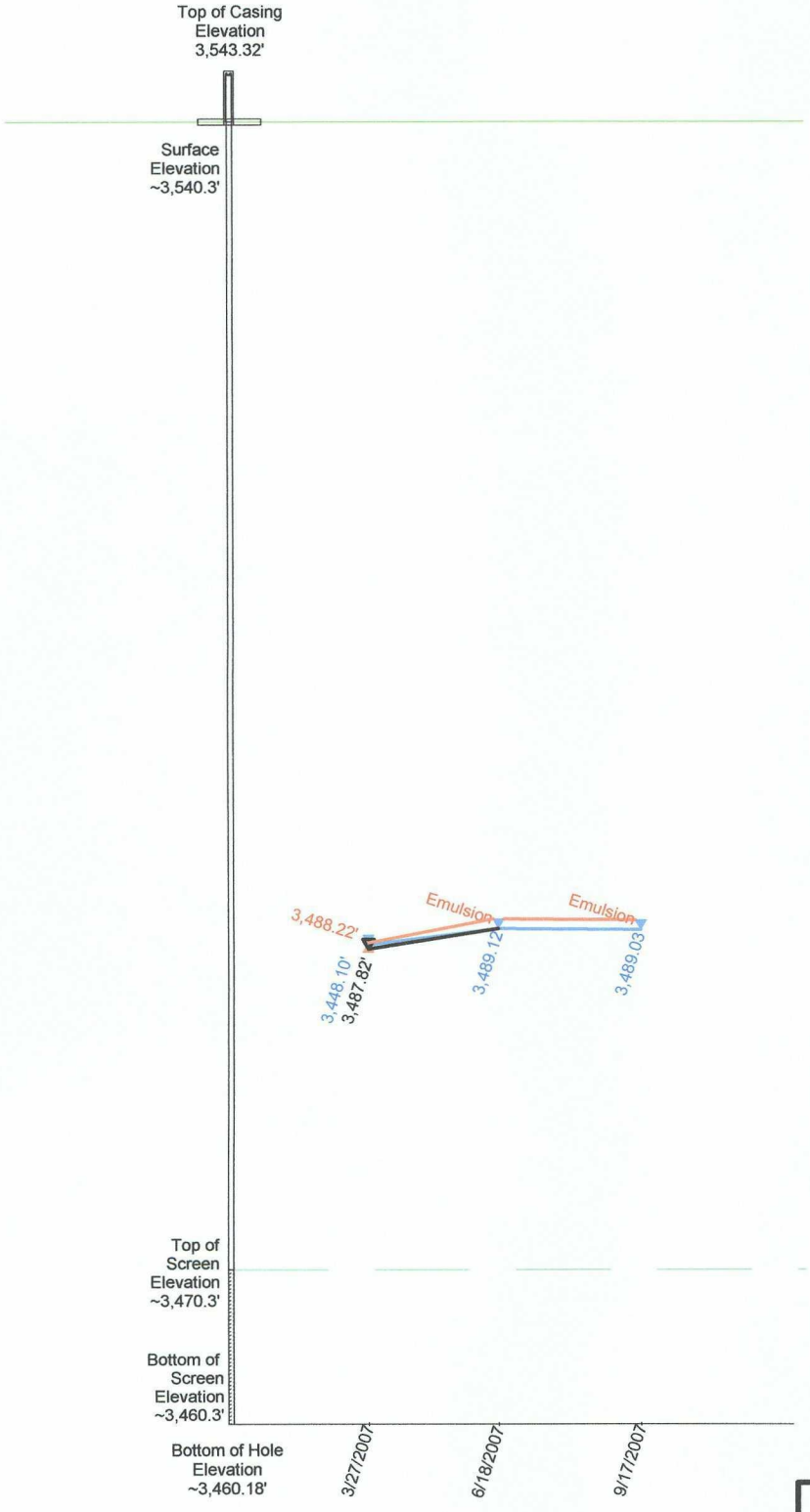
Light Nonaqueous-Phase Liquid Level

MW-02-11
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 19, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

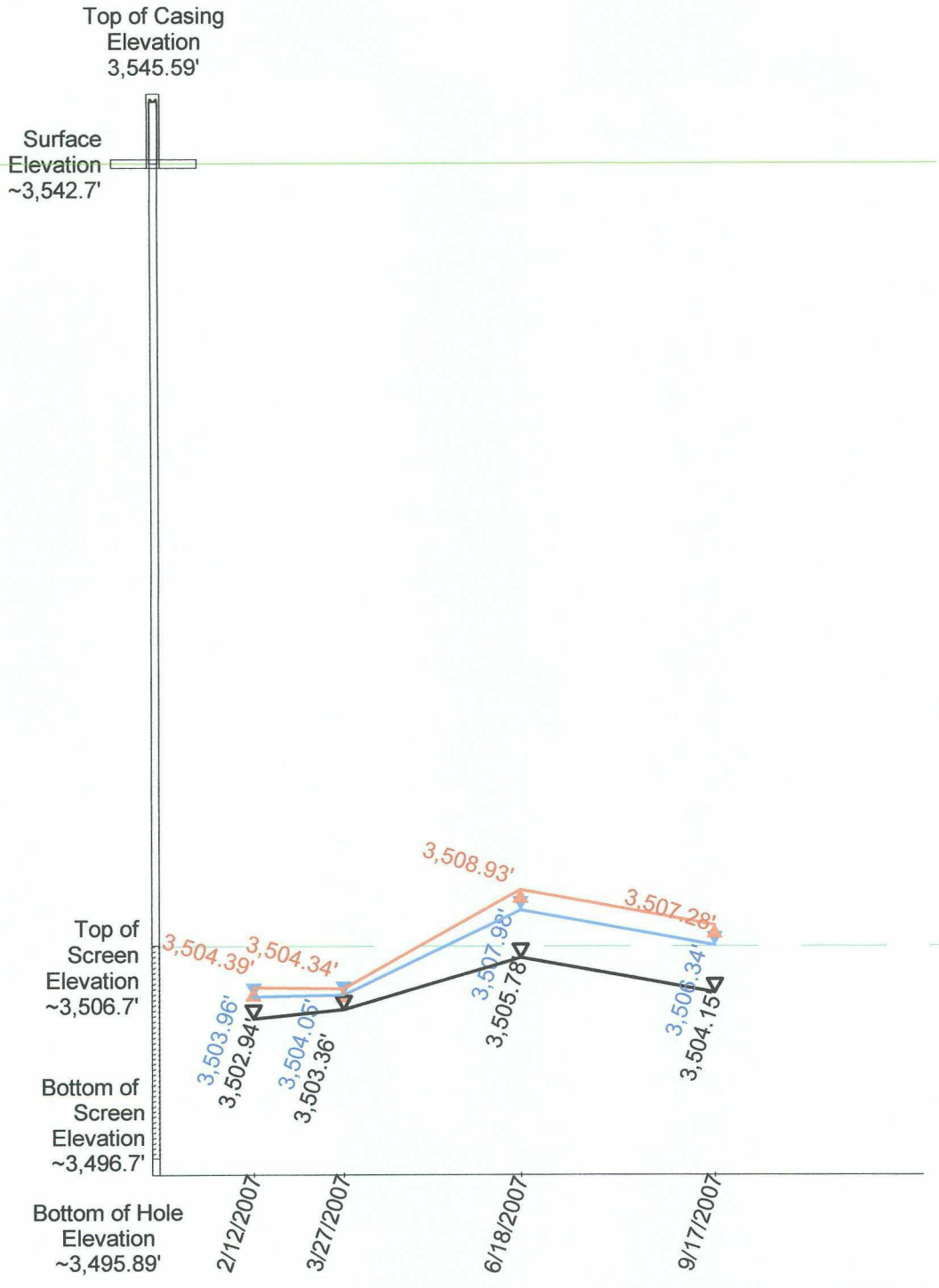
Light Nonaqueous-Phase Liquid Level

MW-02-12
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 21, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

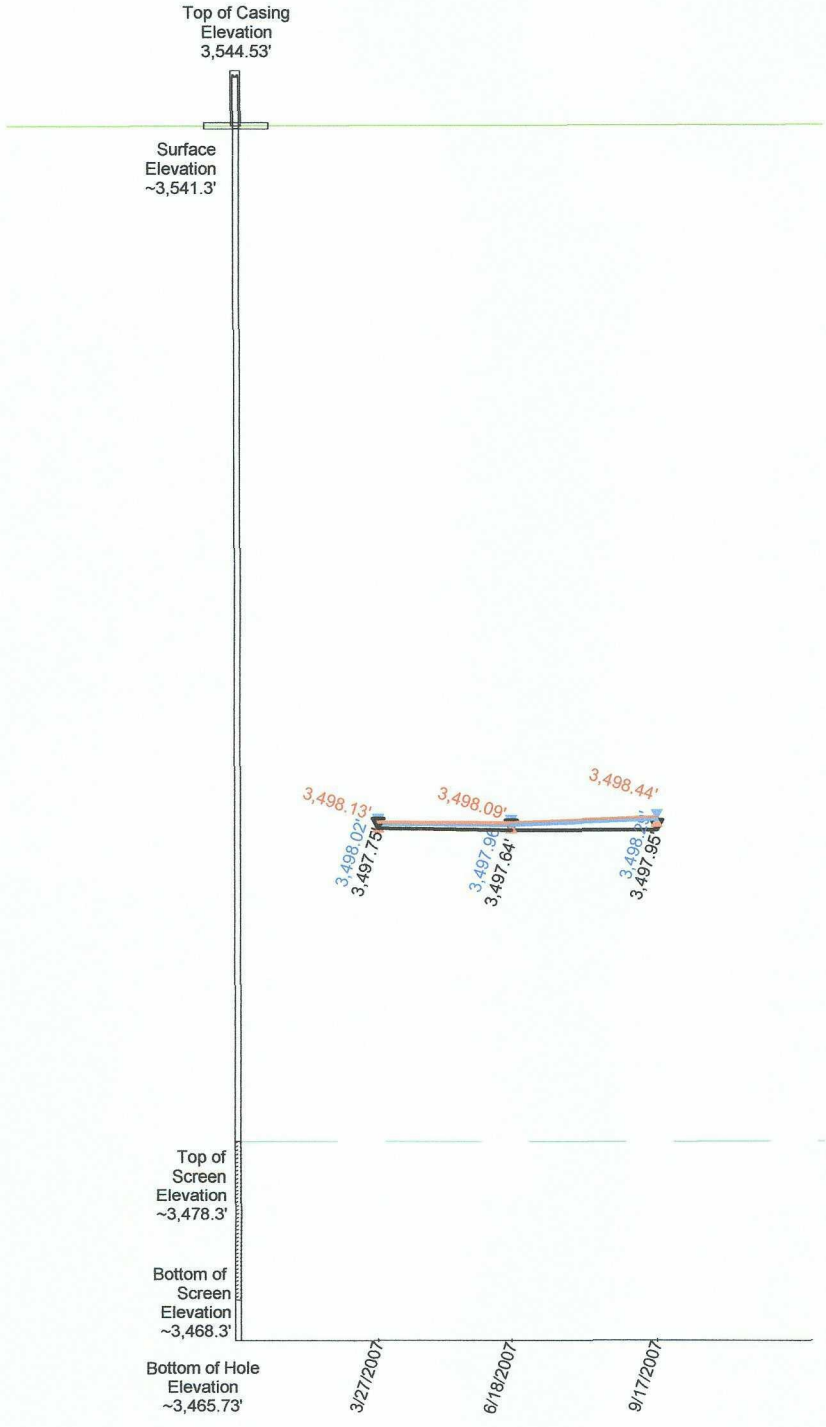
Light Nonaqueous-Phase Liquid Level

MW-02-13
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 21, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

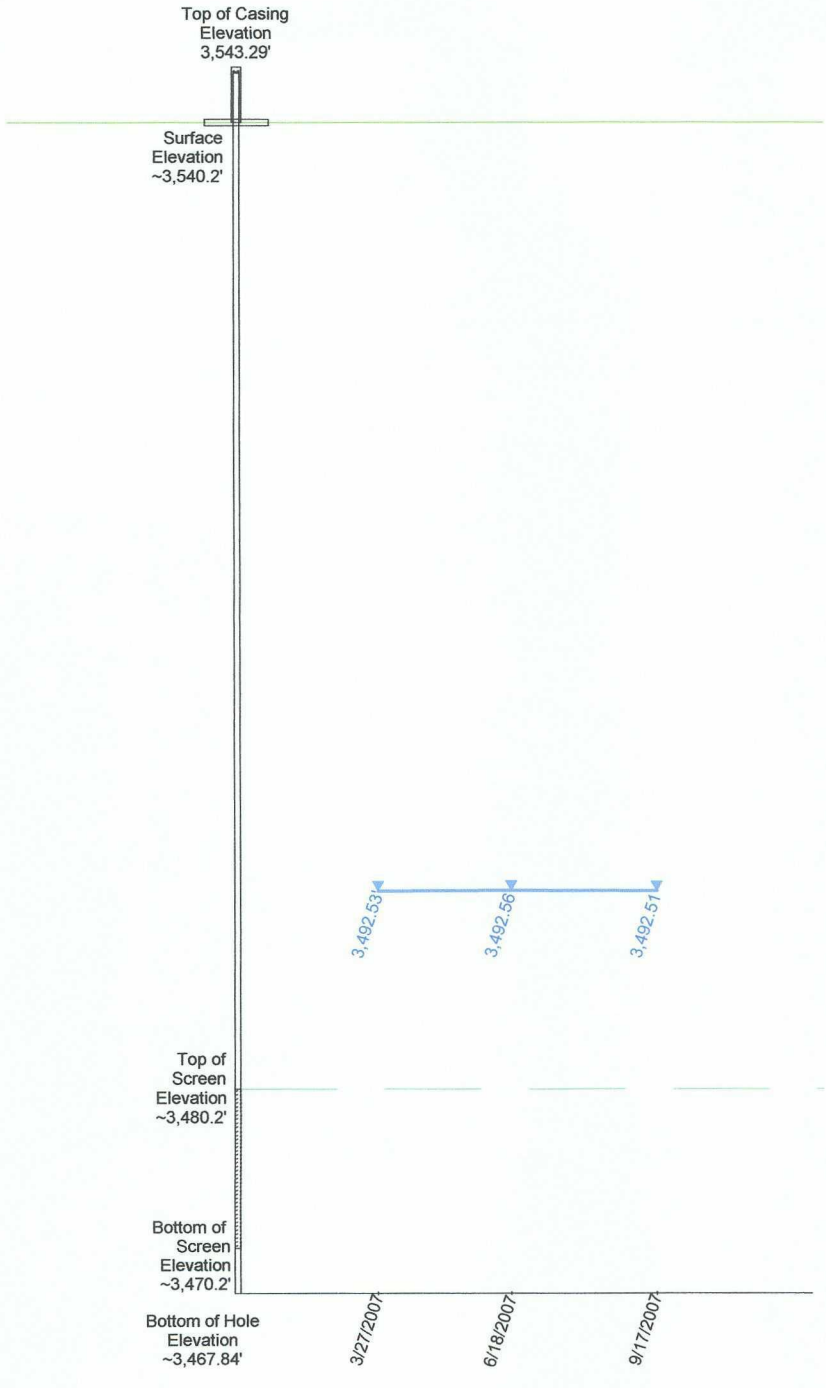
Light Nonaqueous-Phase Liquid Level

MW-02-14
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 21, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

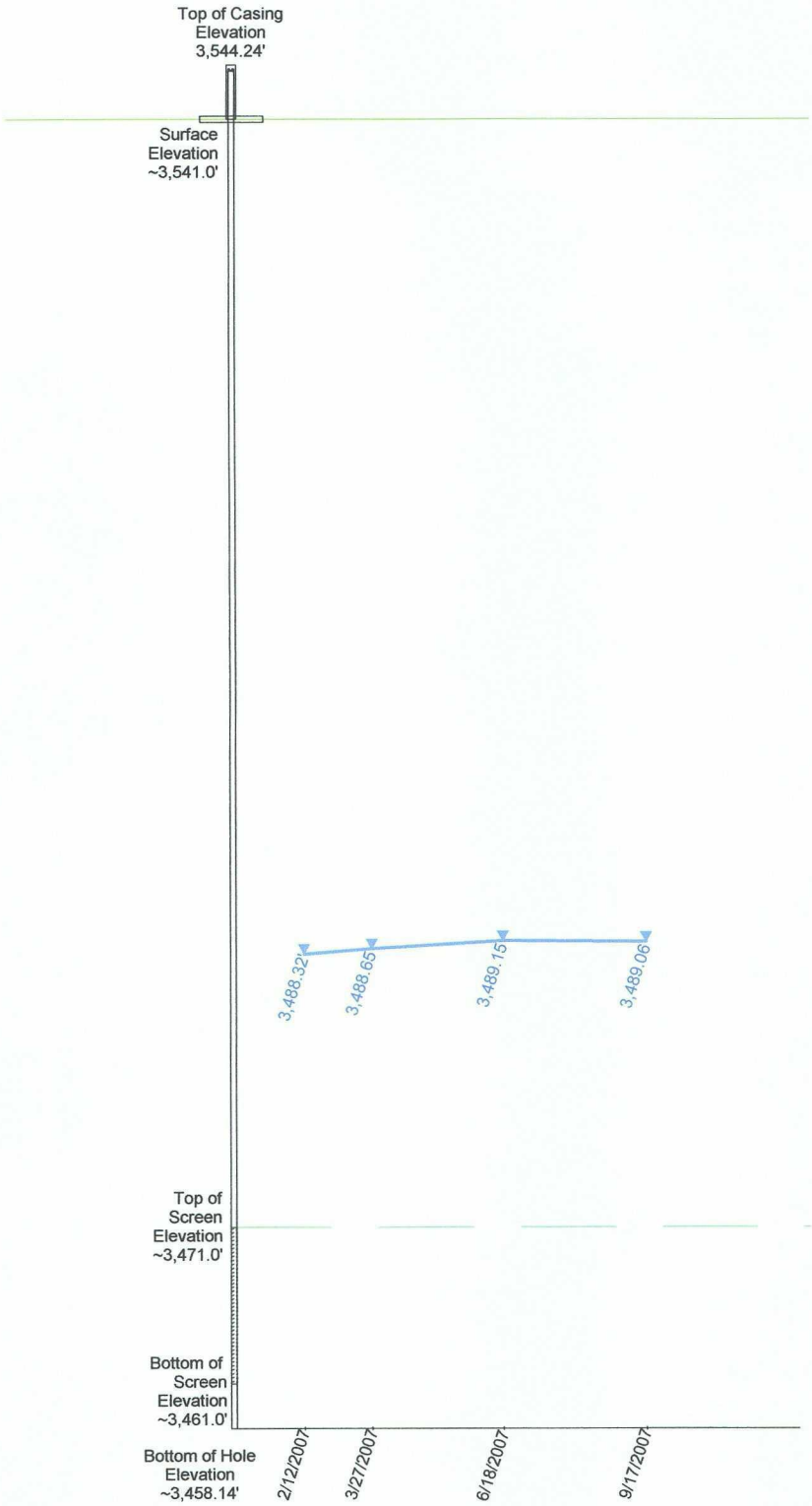
Light Nonaqueous-Phase Liquid Level

MW-02-15
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 21, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

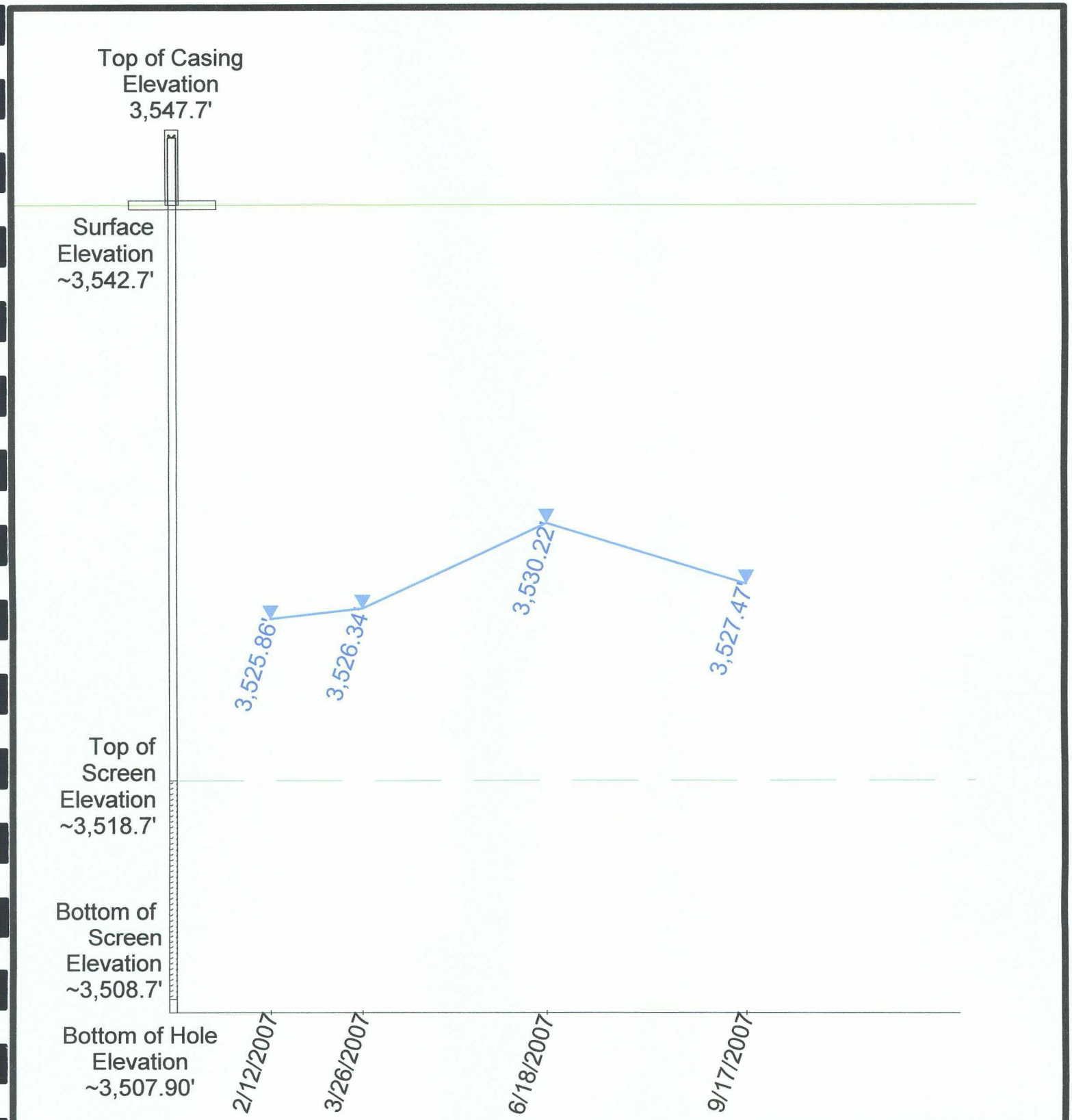
Light Nonaqueous-Phase Liquid Level

MW-02-16
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 21, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



MW-02-18
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

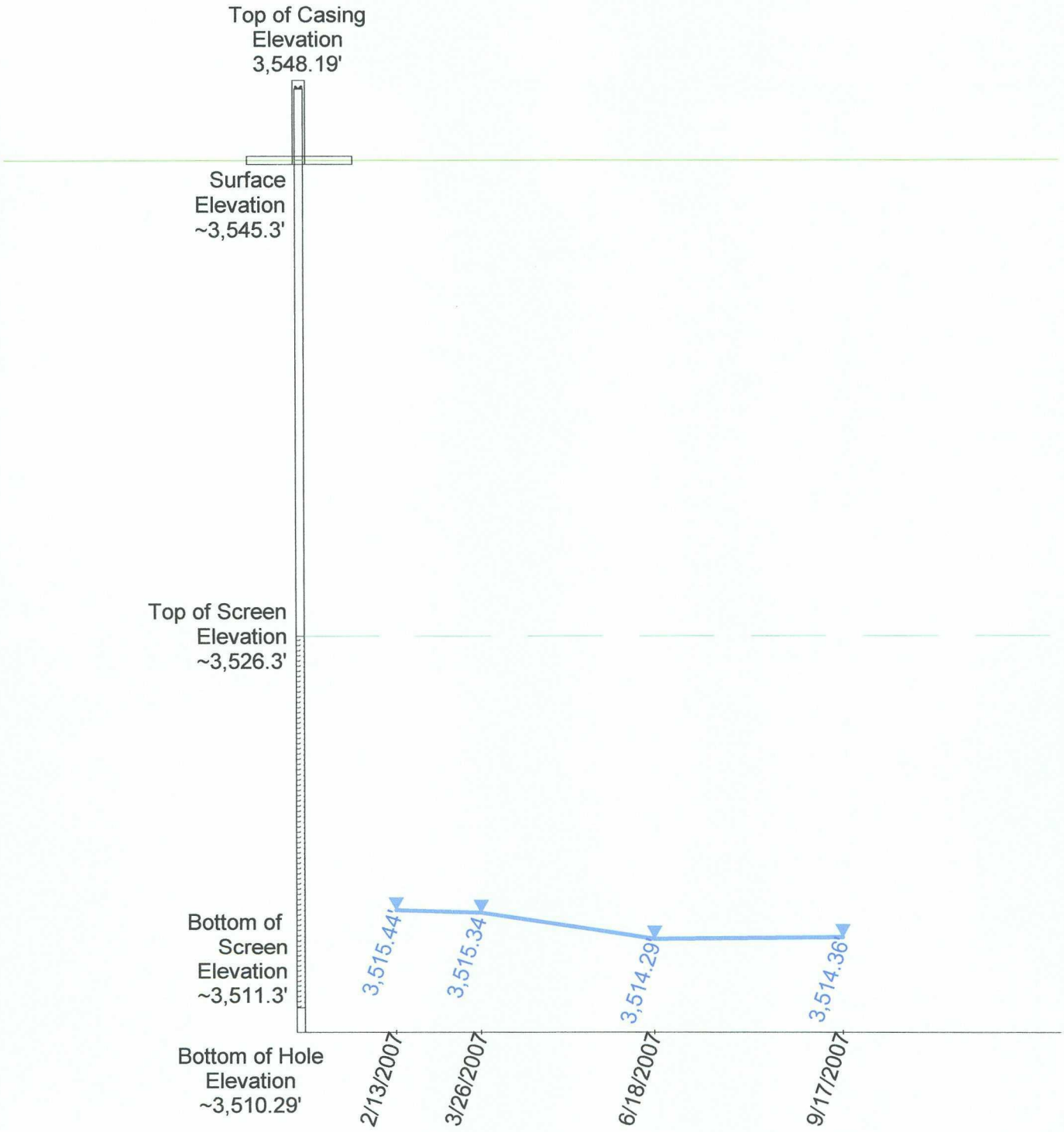
October 25, 2007	06-0141-01

Uncorrected Groundwater Level

Corrected Groundwater Level

Light Nonaqueous-Phase Liquid Level

Larson & Associates, inc.
Environmental Consultants



MW-02
GROUNDWATER HYDROGRAPH

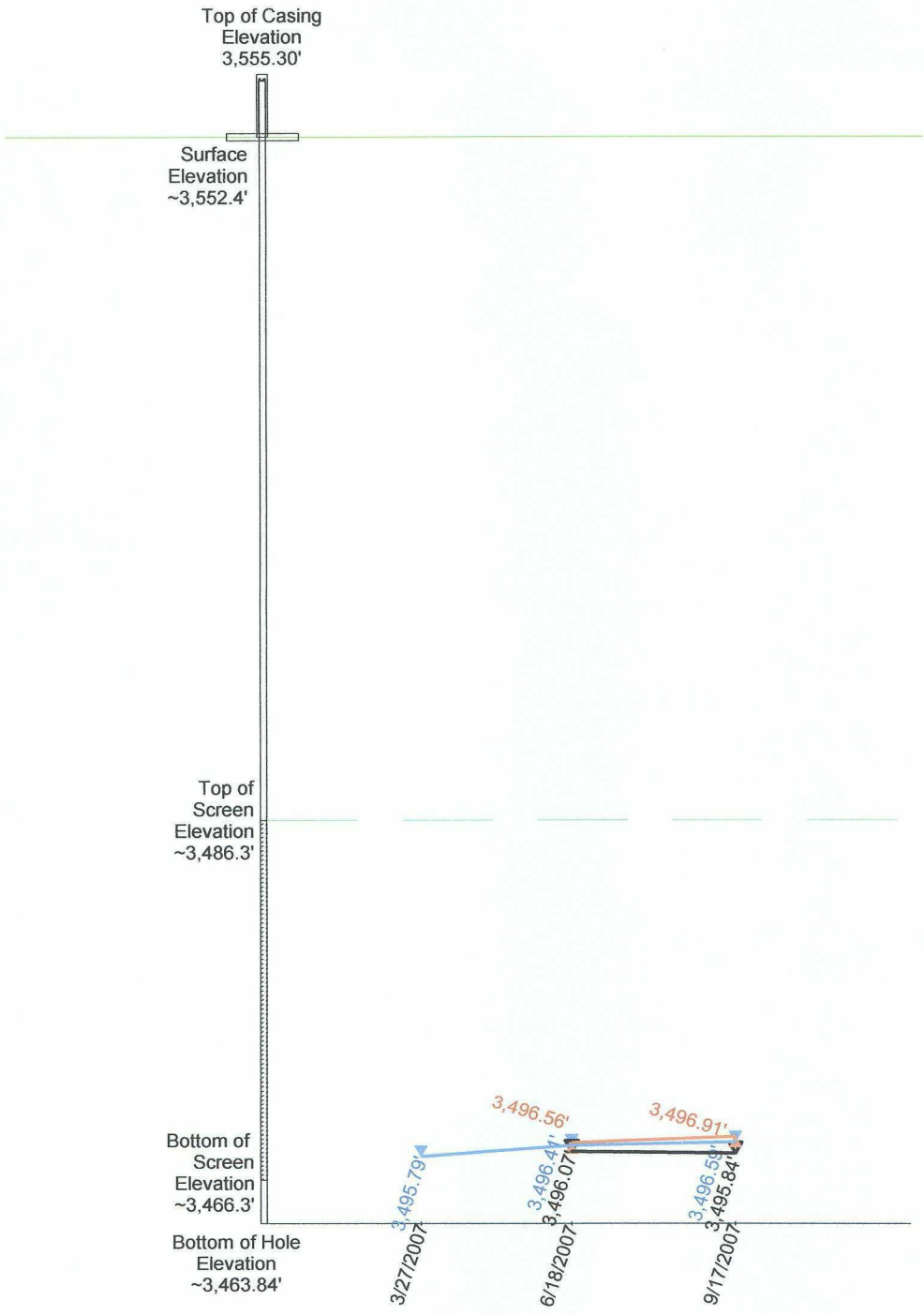
Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 18, 2007	06-0141-01

Corrected Groundwater Level

Light Nonaqueous-Phase Liquid Level

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

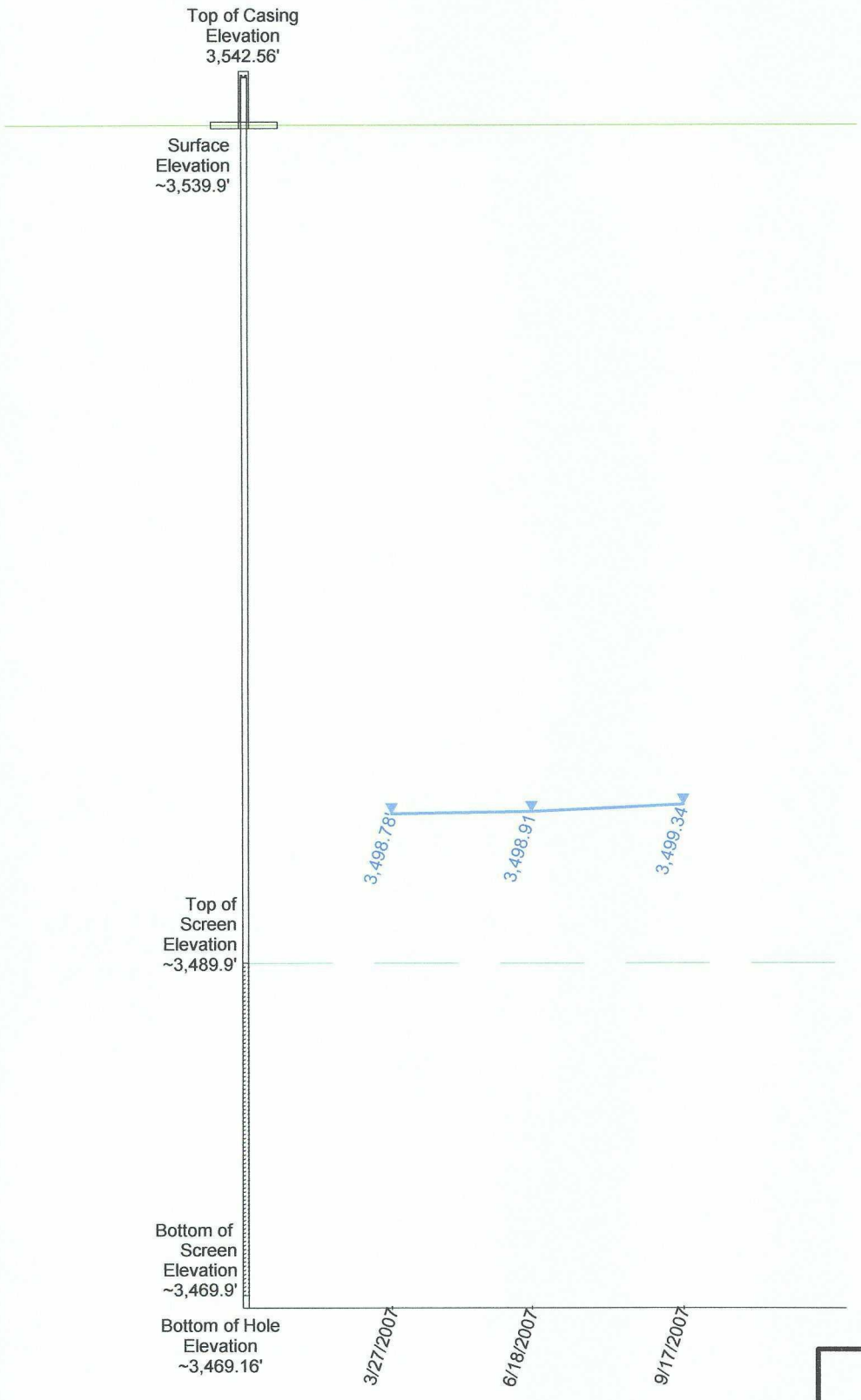
Light Nonaqueous-Phase Liquid Level

MW-03
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 26, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

Light Nonaqueous-Phase Liquid Level

MW-03-01
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 26, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants

Uncorrected Groundwater Level

Corrected Groundwater Level

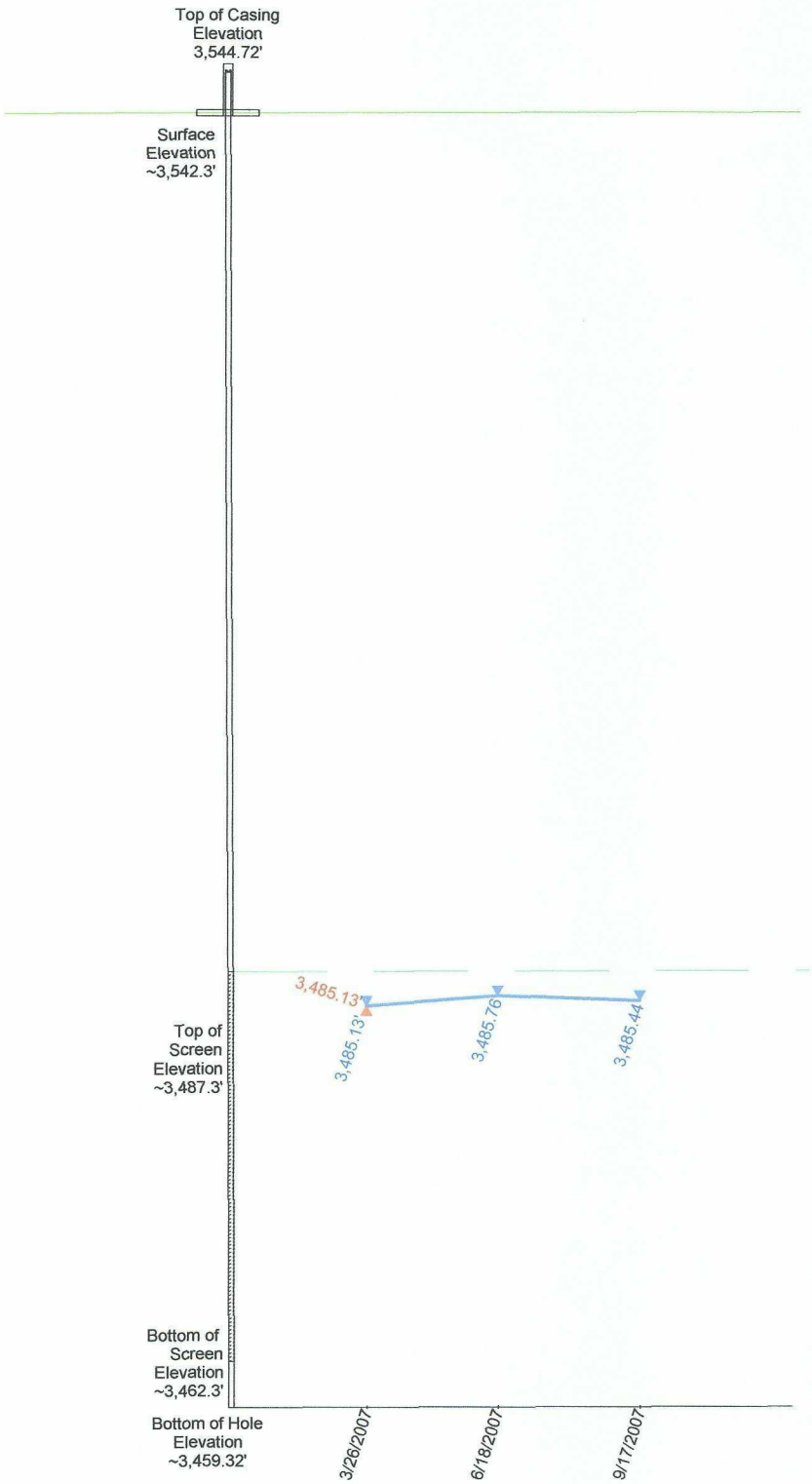
Light Nonaqueous-Phase Liquid Level

MW-03-02
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 26, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

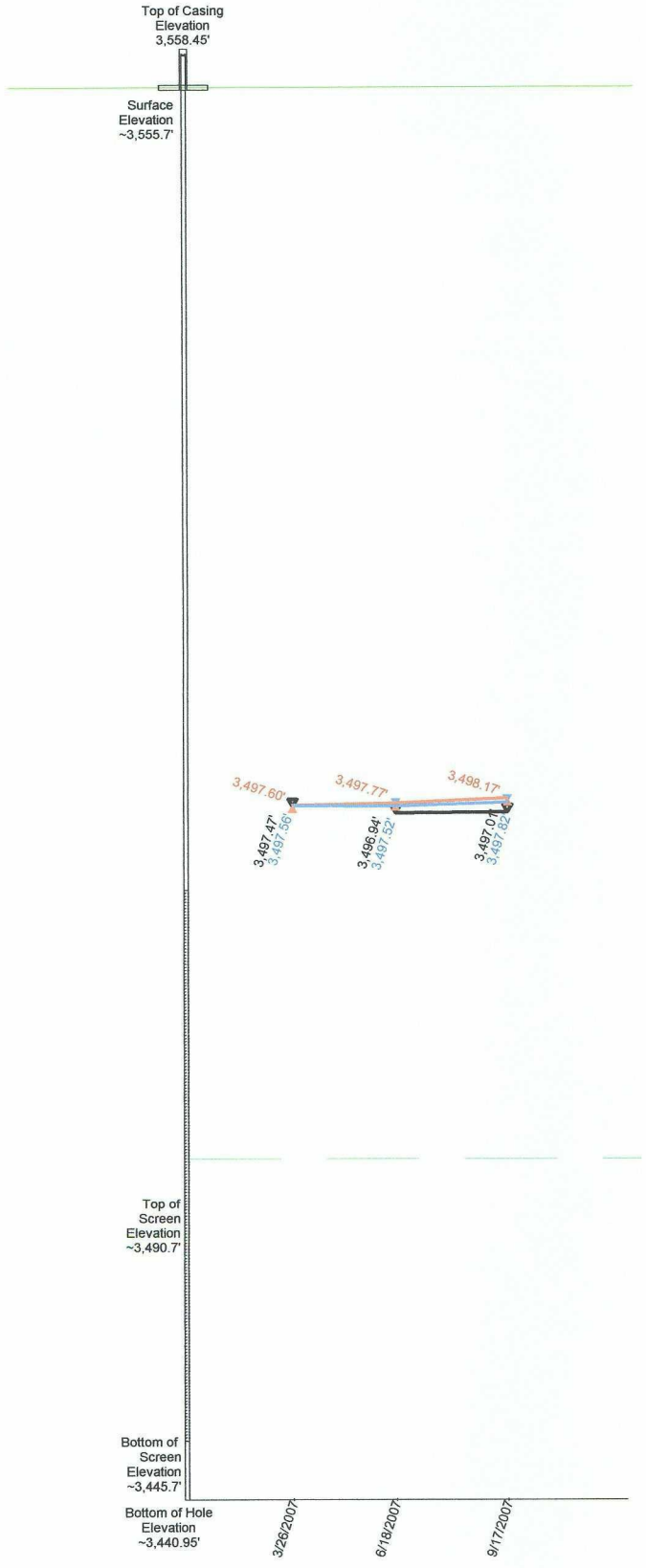
Light Nonaqueous-Phase Liquid Level

MW-03-03
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 26, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

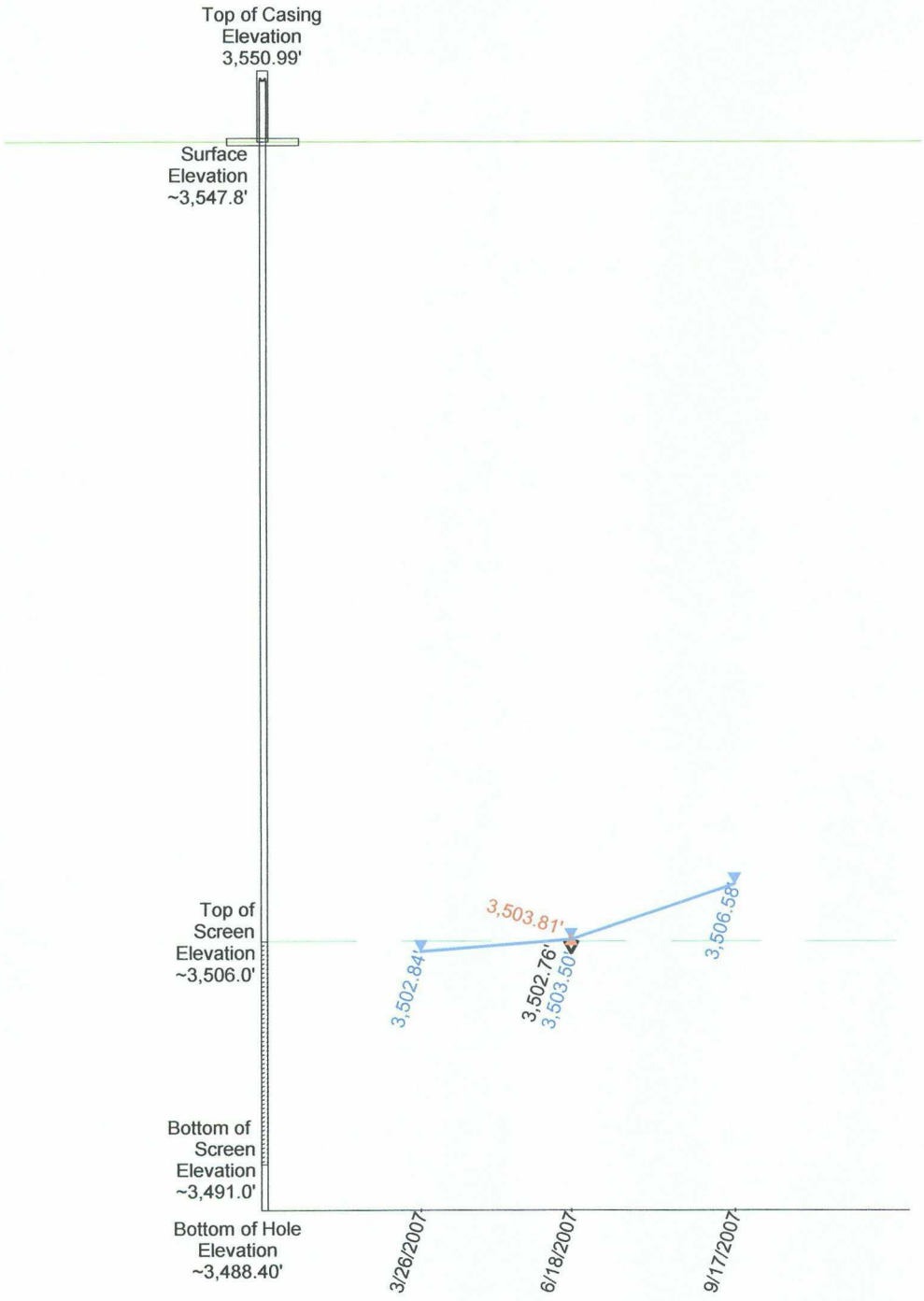
Light Nonaqueous-Phase Liquid Level

MW-03-04
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 26, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

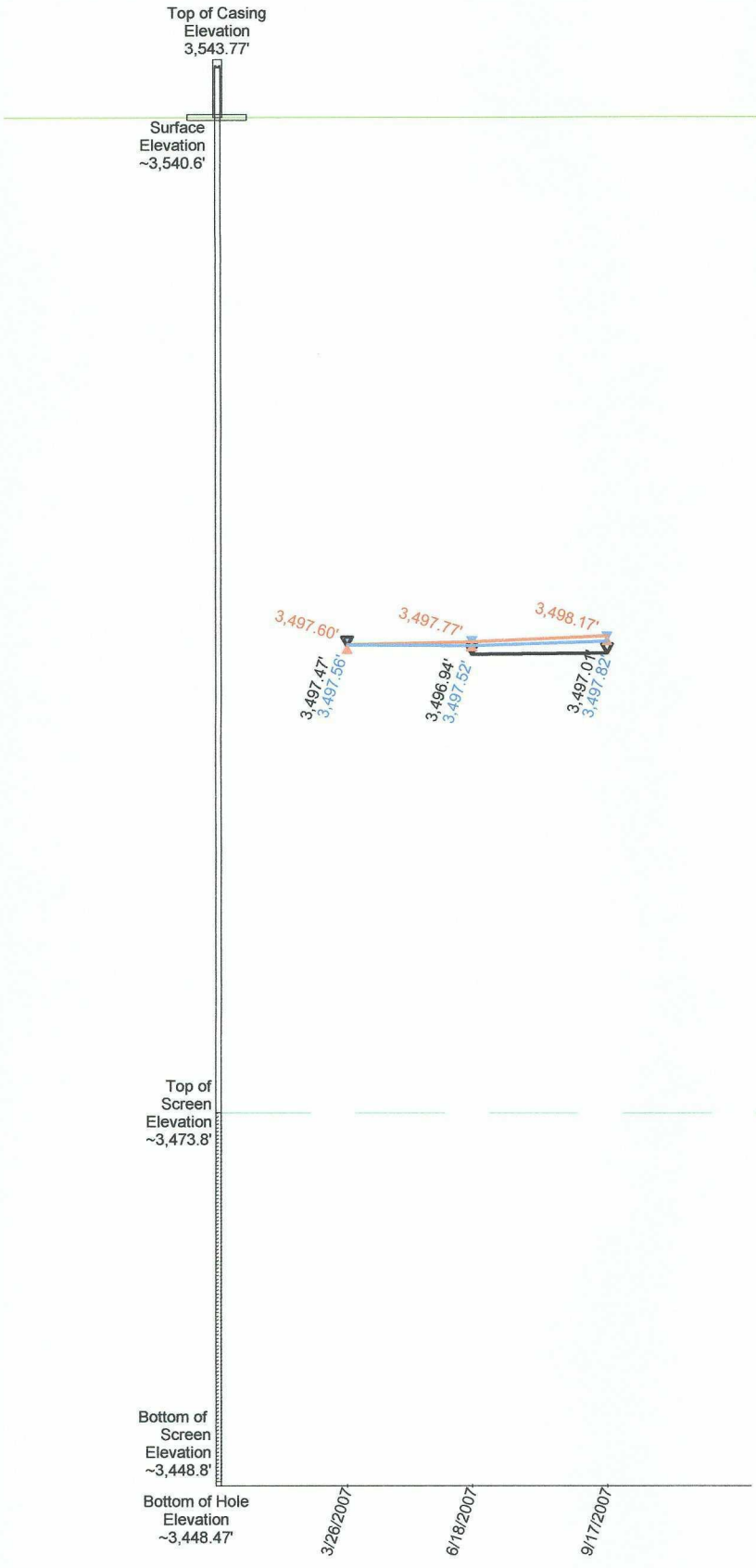
Light Nonaqueous-Phase Liquid Level

MW-04
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 30, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

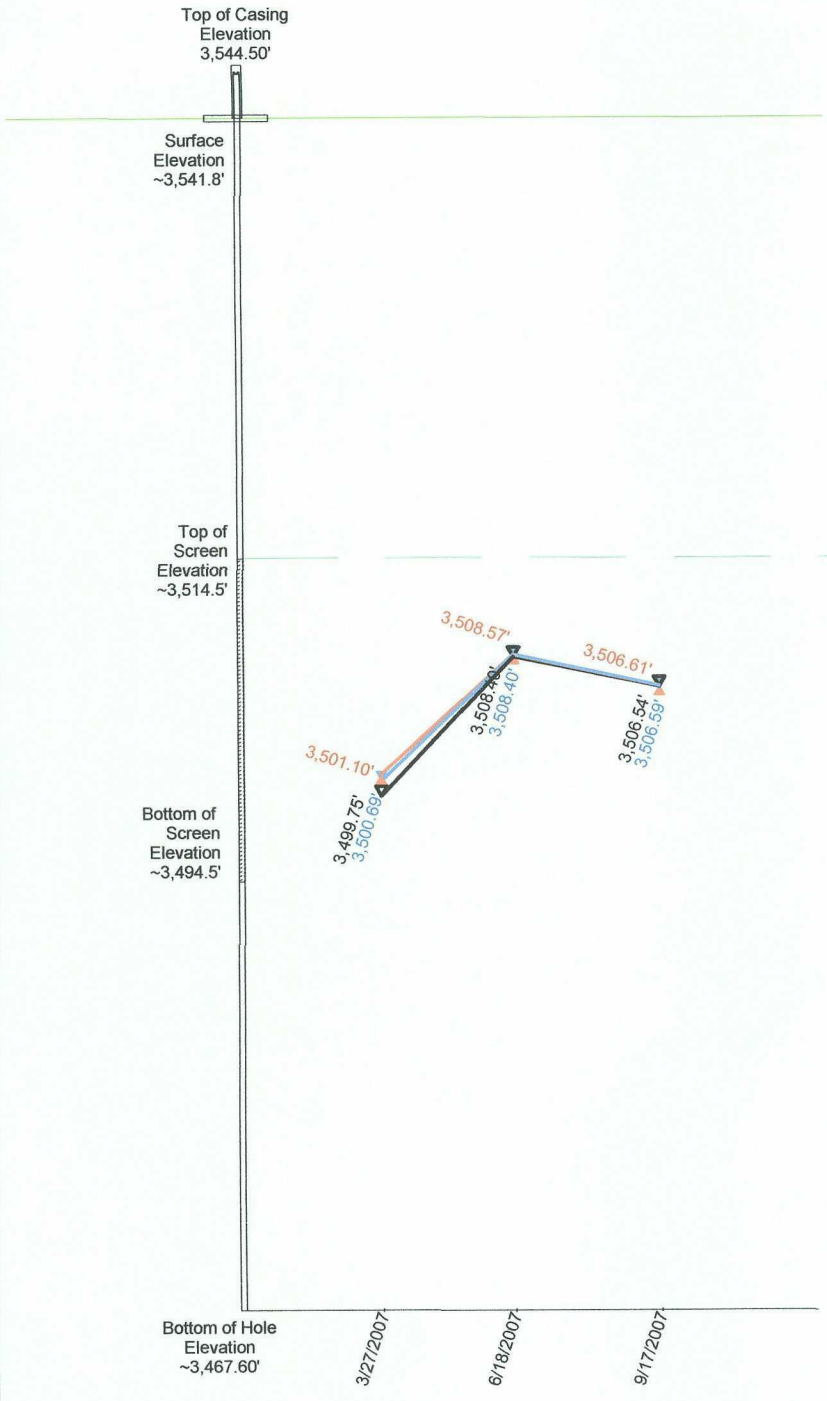
Light Nonaqueous-Phase Liquid Level

MW-05
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 31, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

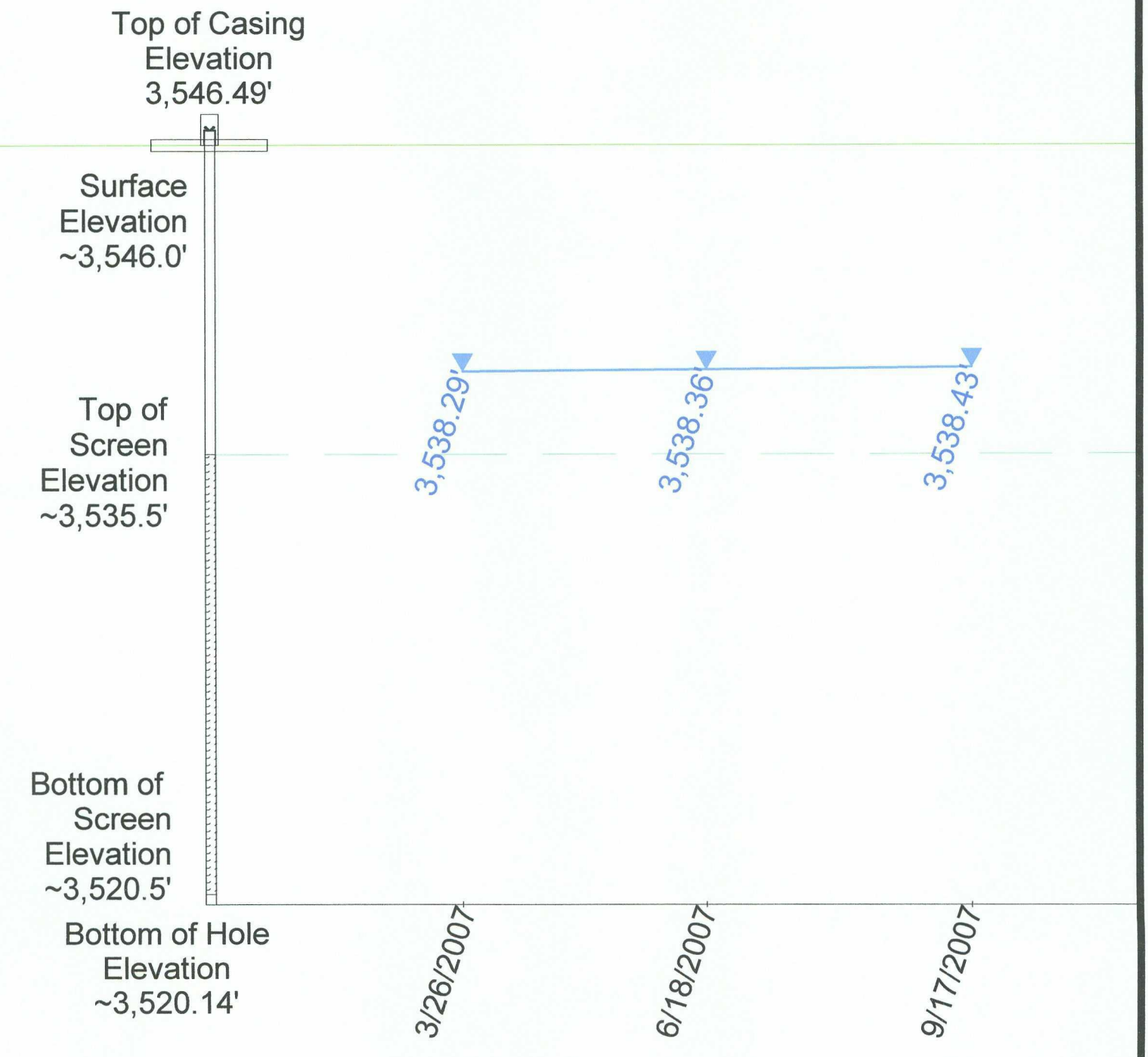
Light Nonaqueous-Phase Liquid Level

MW-06
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 31, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

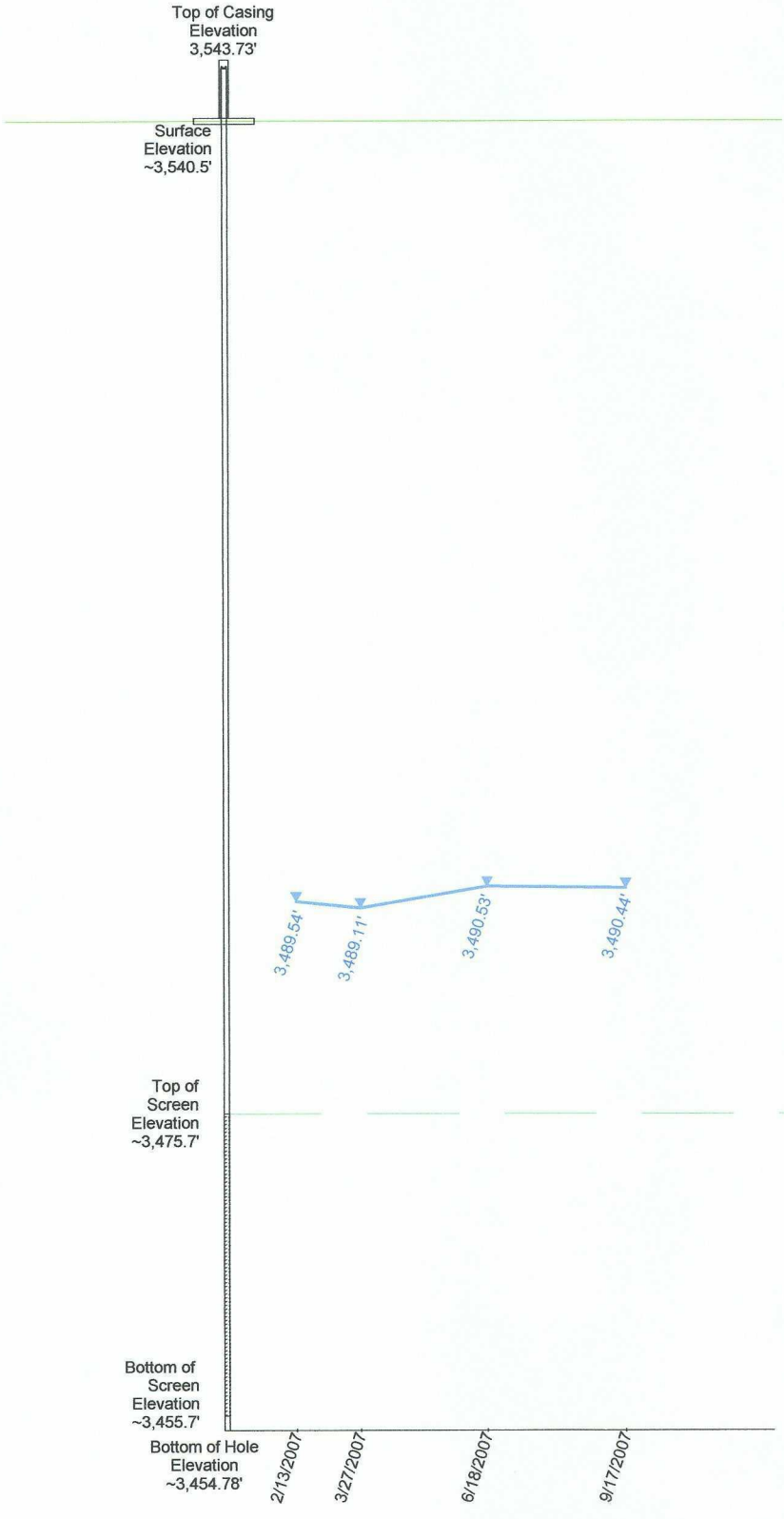
Light Nonaqueous-Phase Liquid Level

MW-07
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 31, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

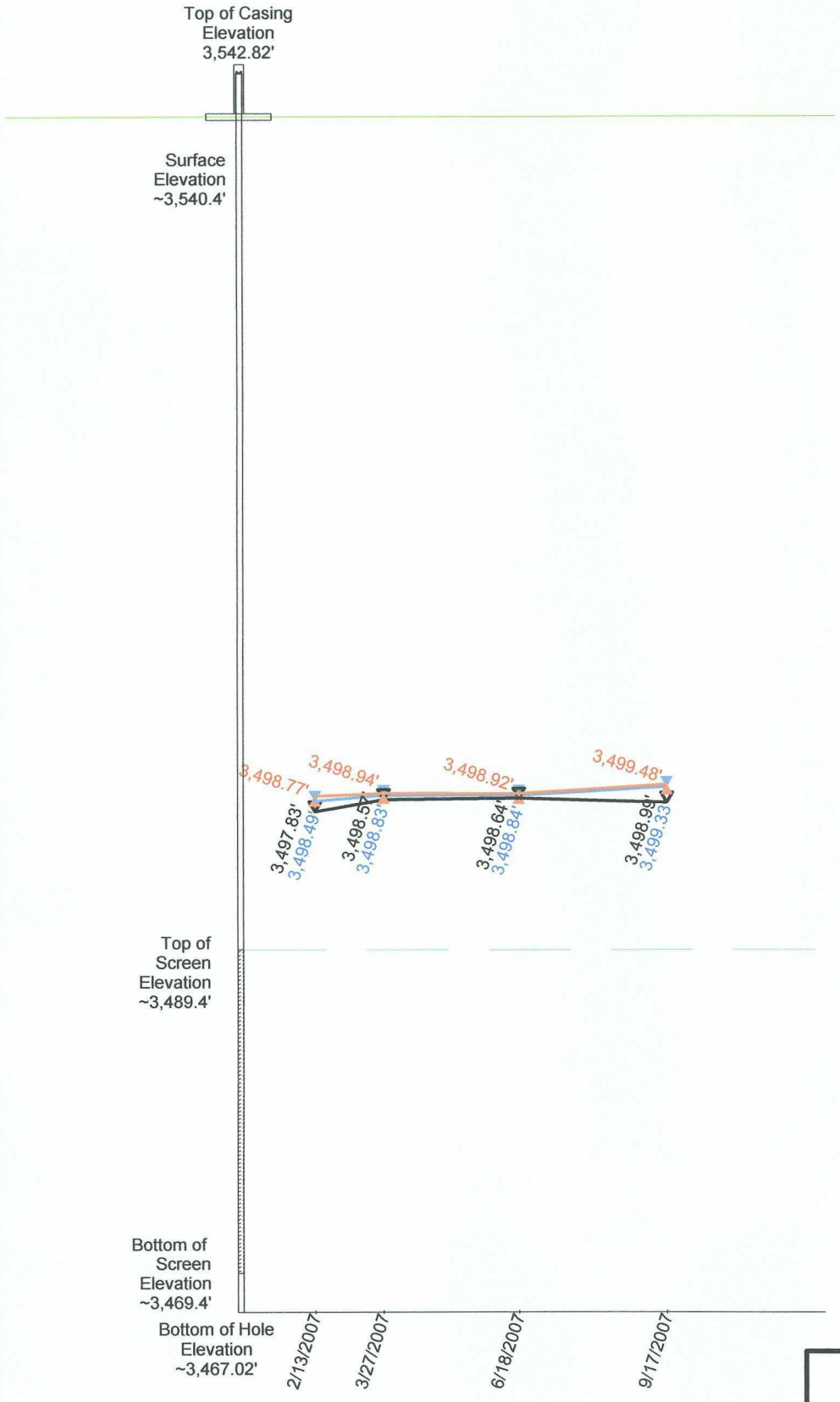
Light Nonaqueous-Phase Liquid Level

MW-08
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 31, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

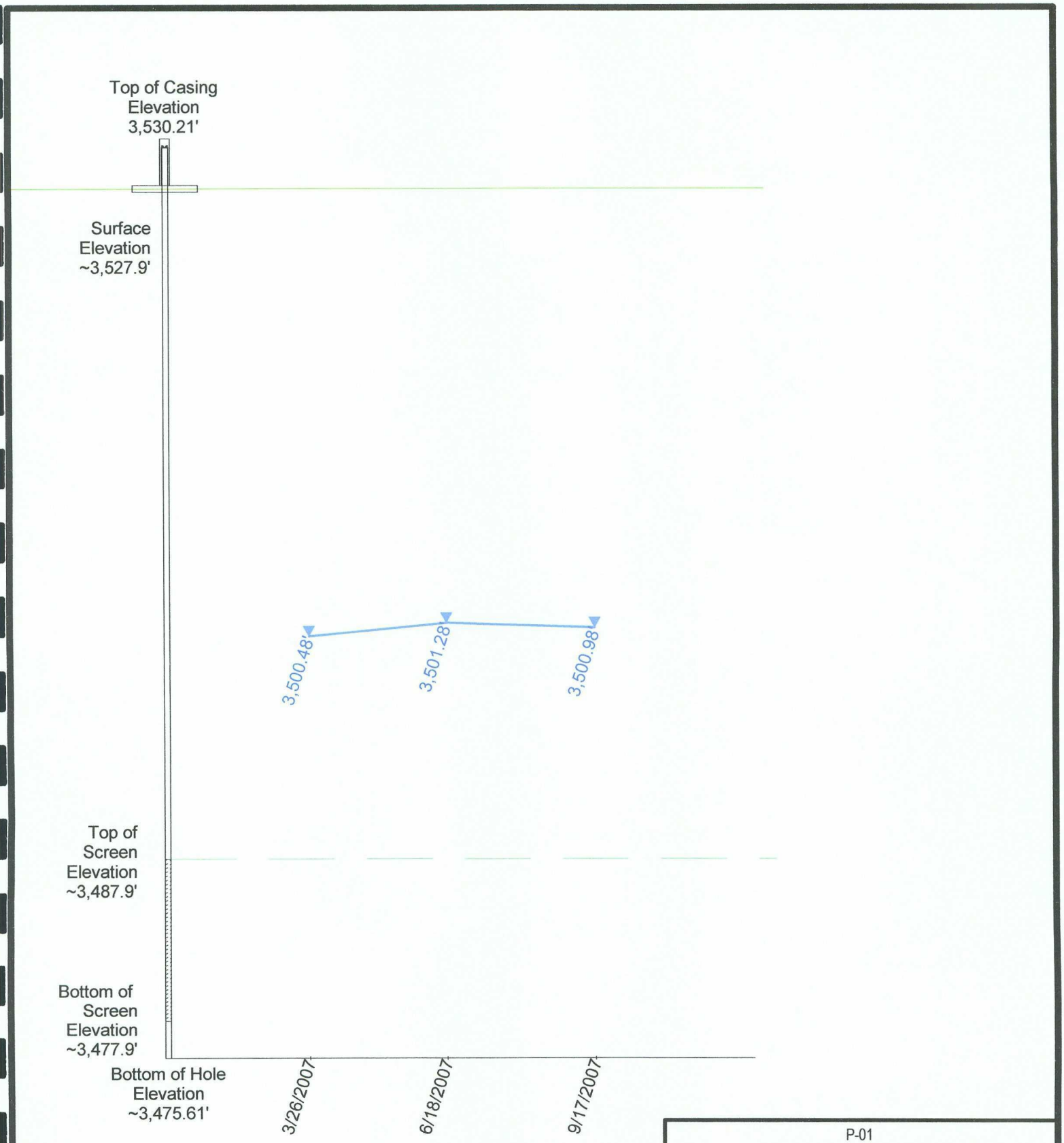
Light Nonaqueous-Phase Liquid Level

MW-09
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

October 31, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

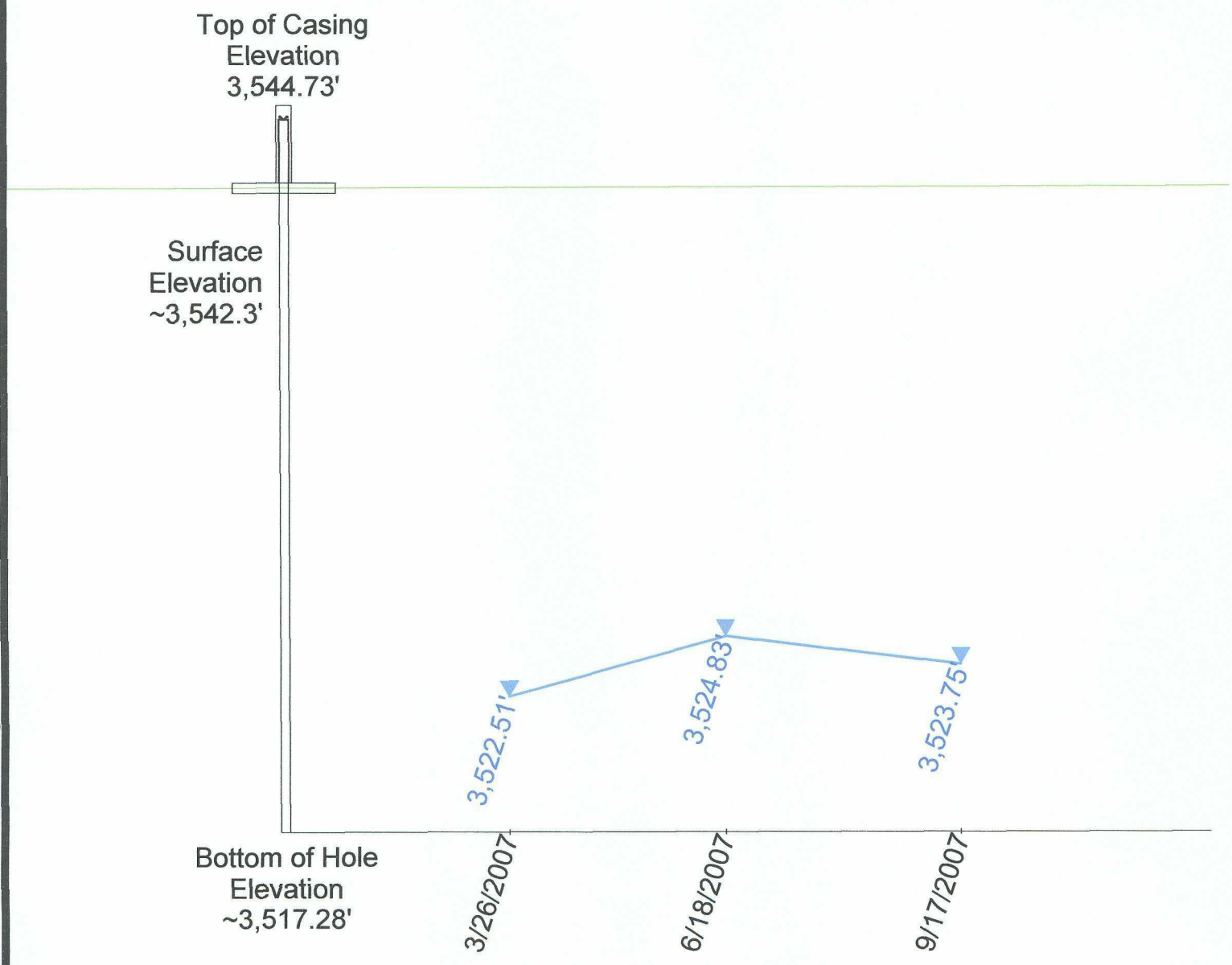
Light Nonaqueous-Phase Liquid Level

P-01
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

November 5, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

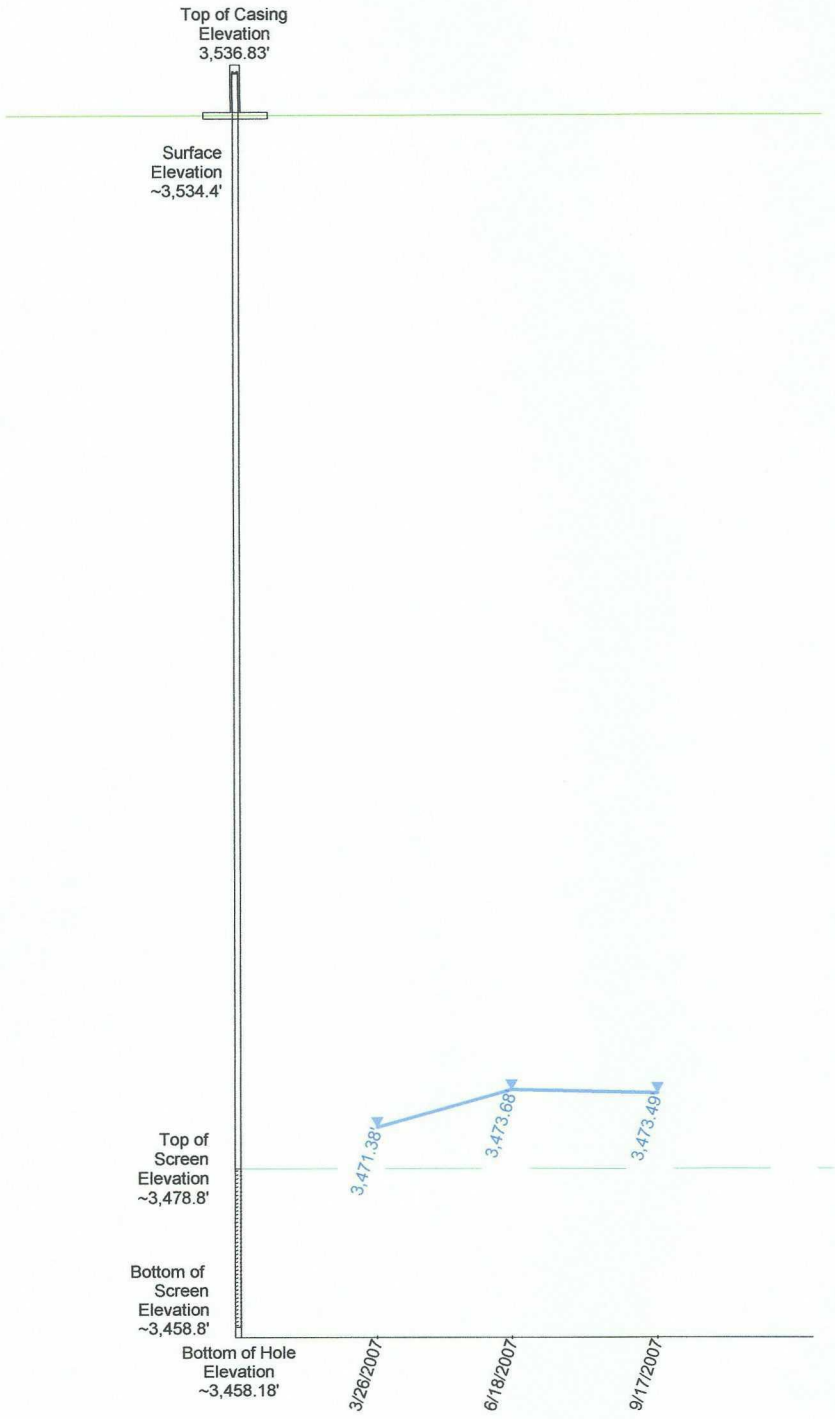
Light Nonaqueous-Phase Liquid Level

P-02
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

November 5, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

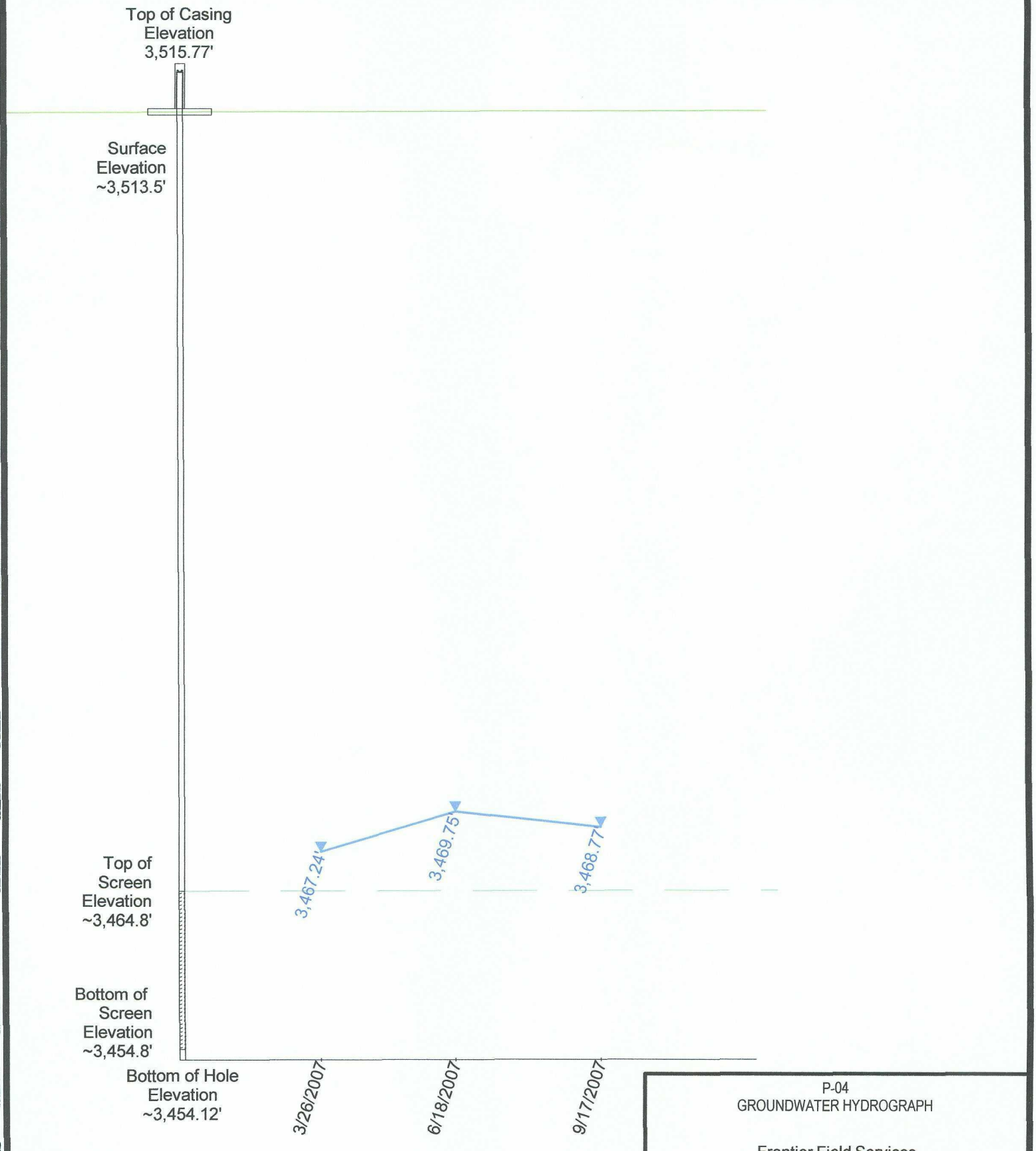
Light Nonaqueous-Phase Liquid Level

P-03
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

November 5, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

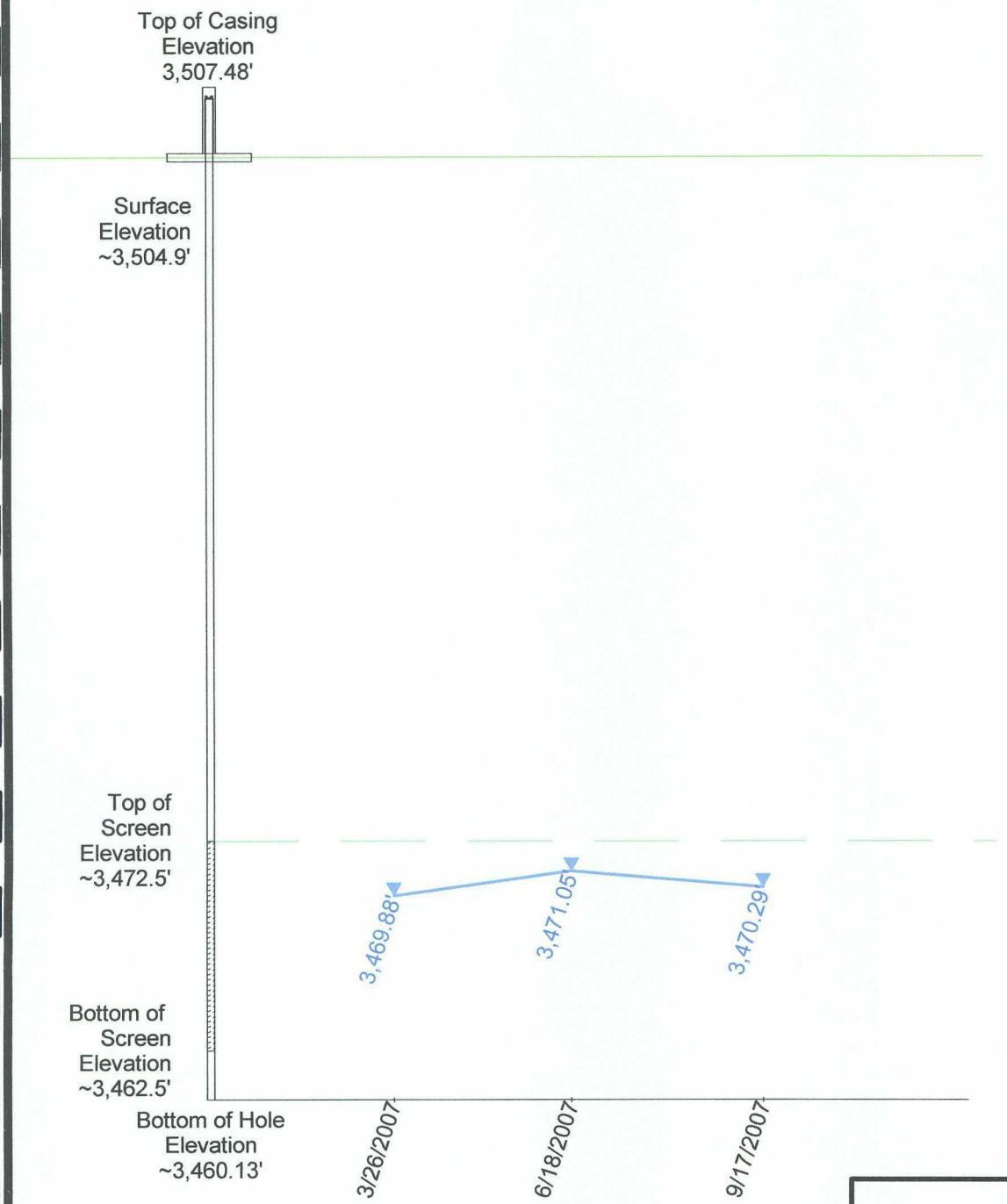
Light Nonaqueous-Phase Liquid Level

P-04
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

November 5, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

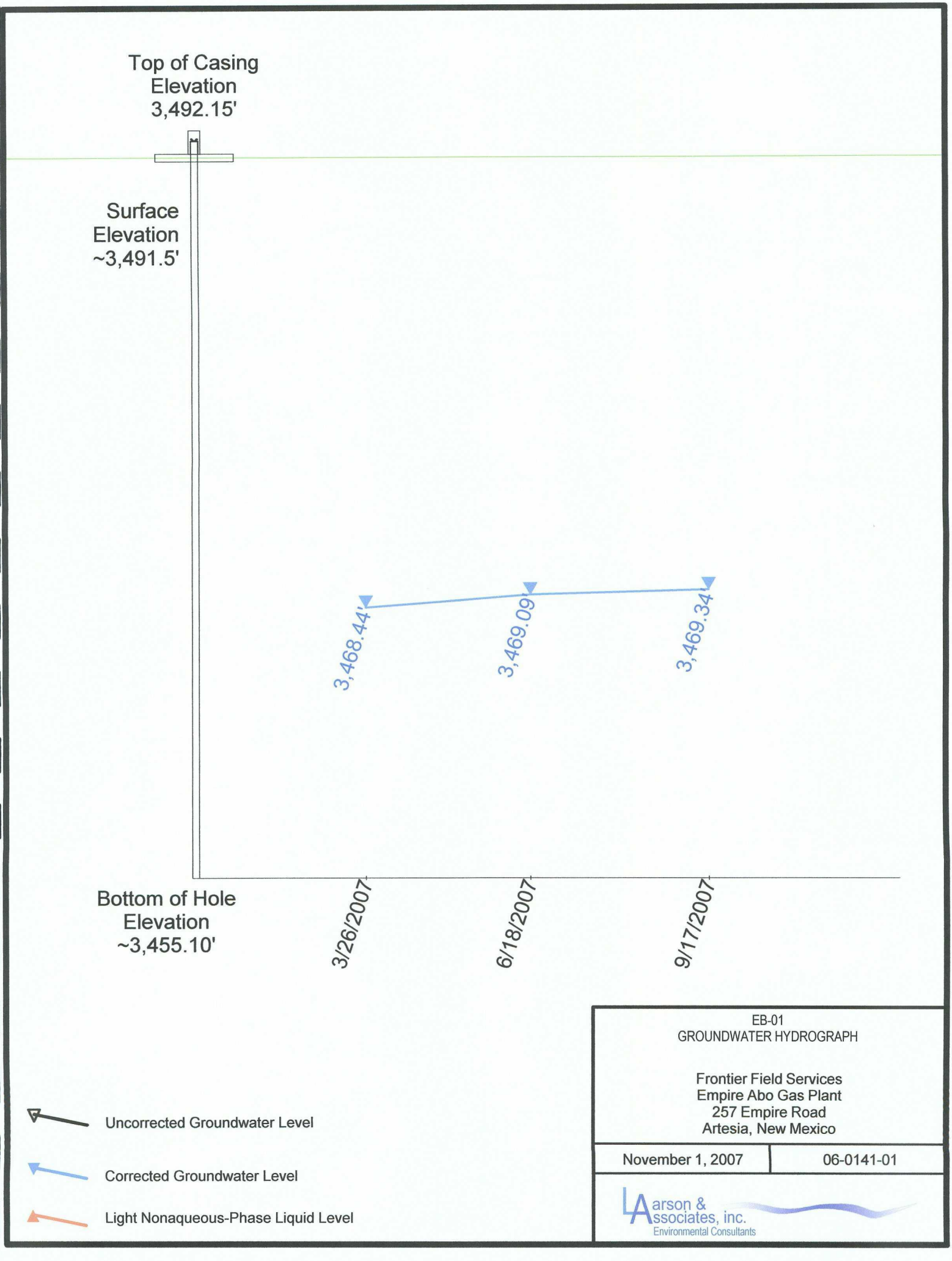
Light Nonaqueous-Phase Liquid Level

P-05
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

November 5, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants

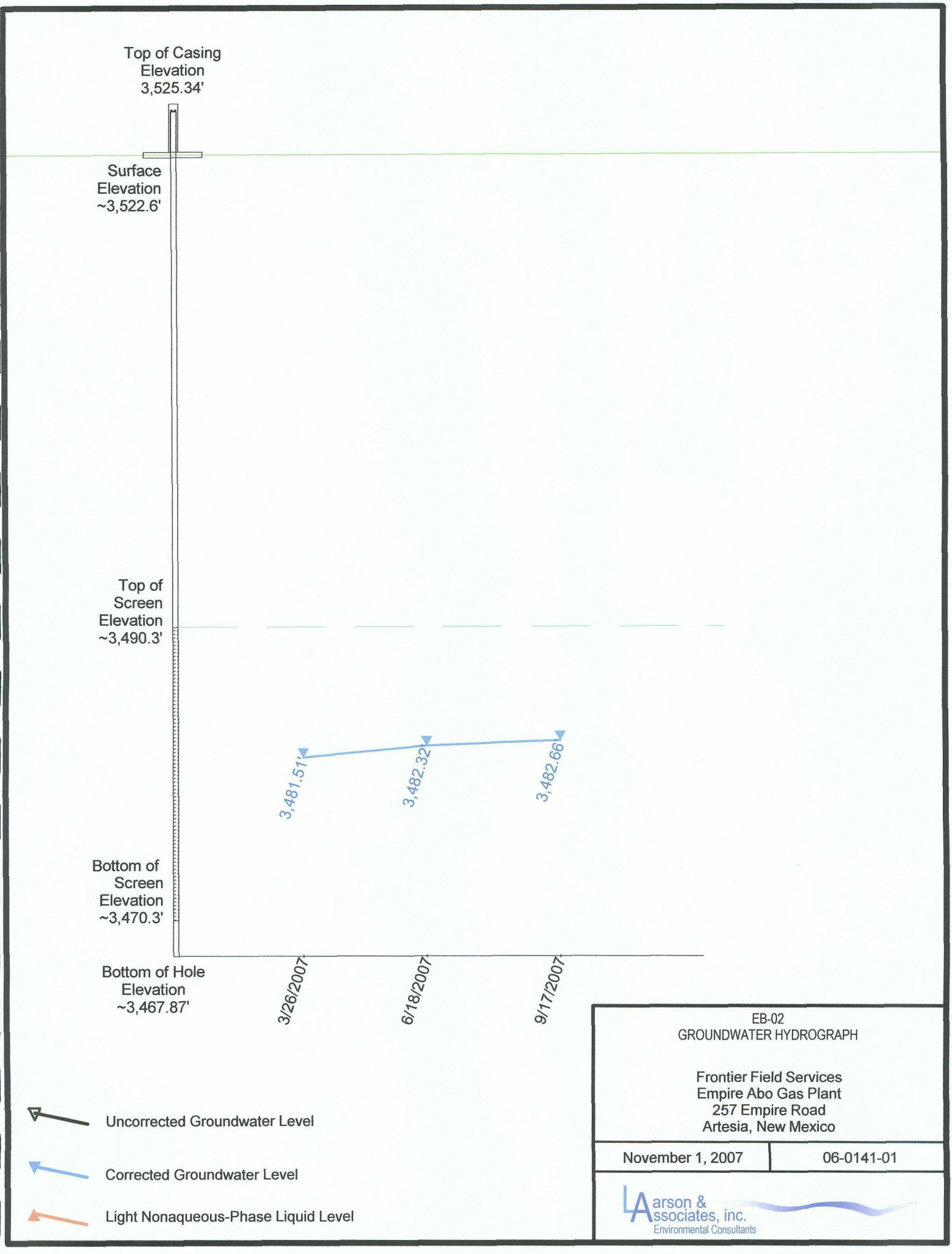


EB-01
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

November 1, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants

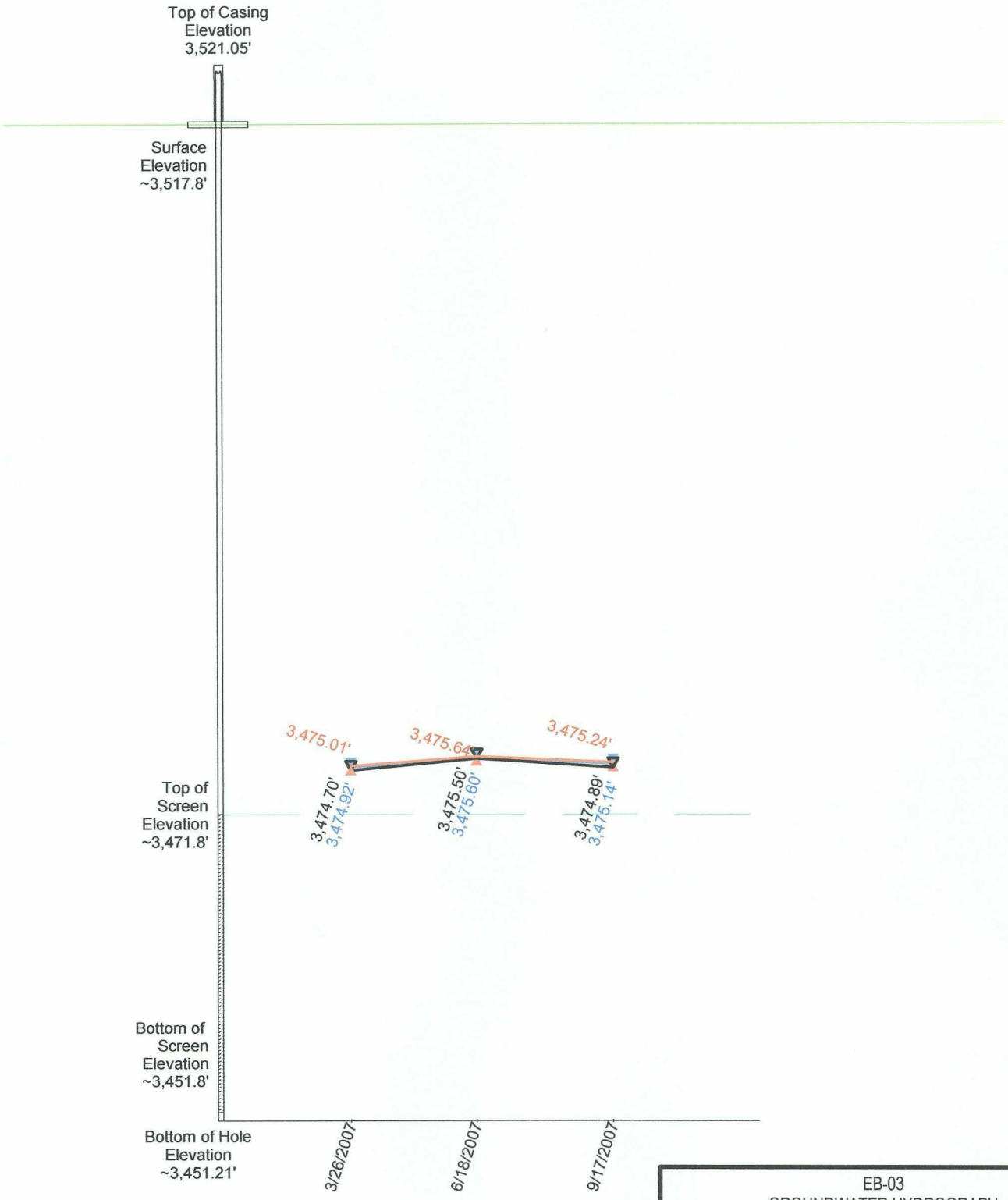


EB-02
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

November 1, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

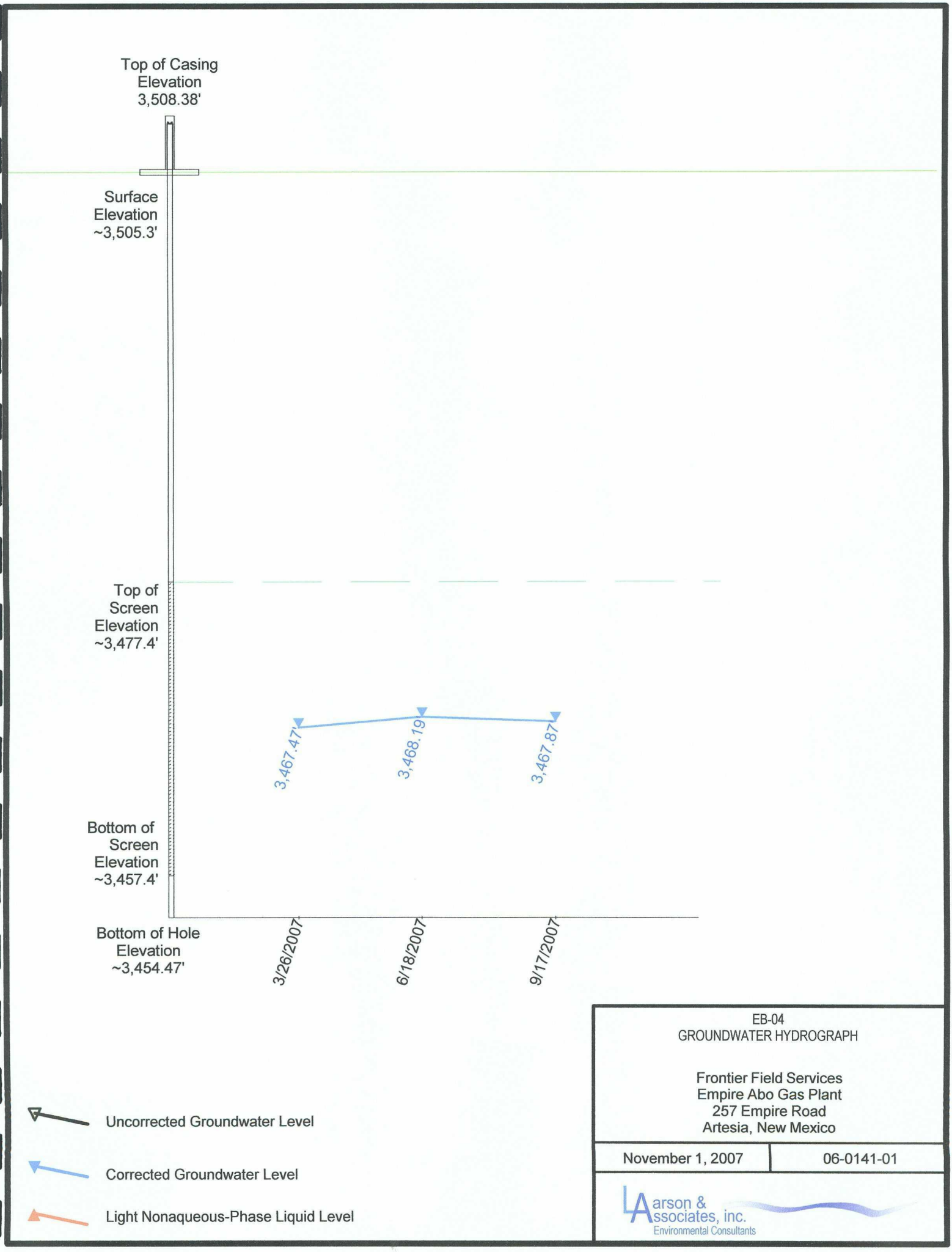
Light Nonaqueous-Phase Liquid Level

EB-03
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

November 1, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants

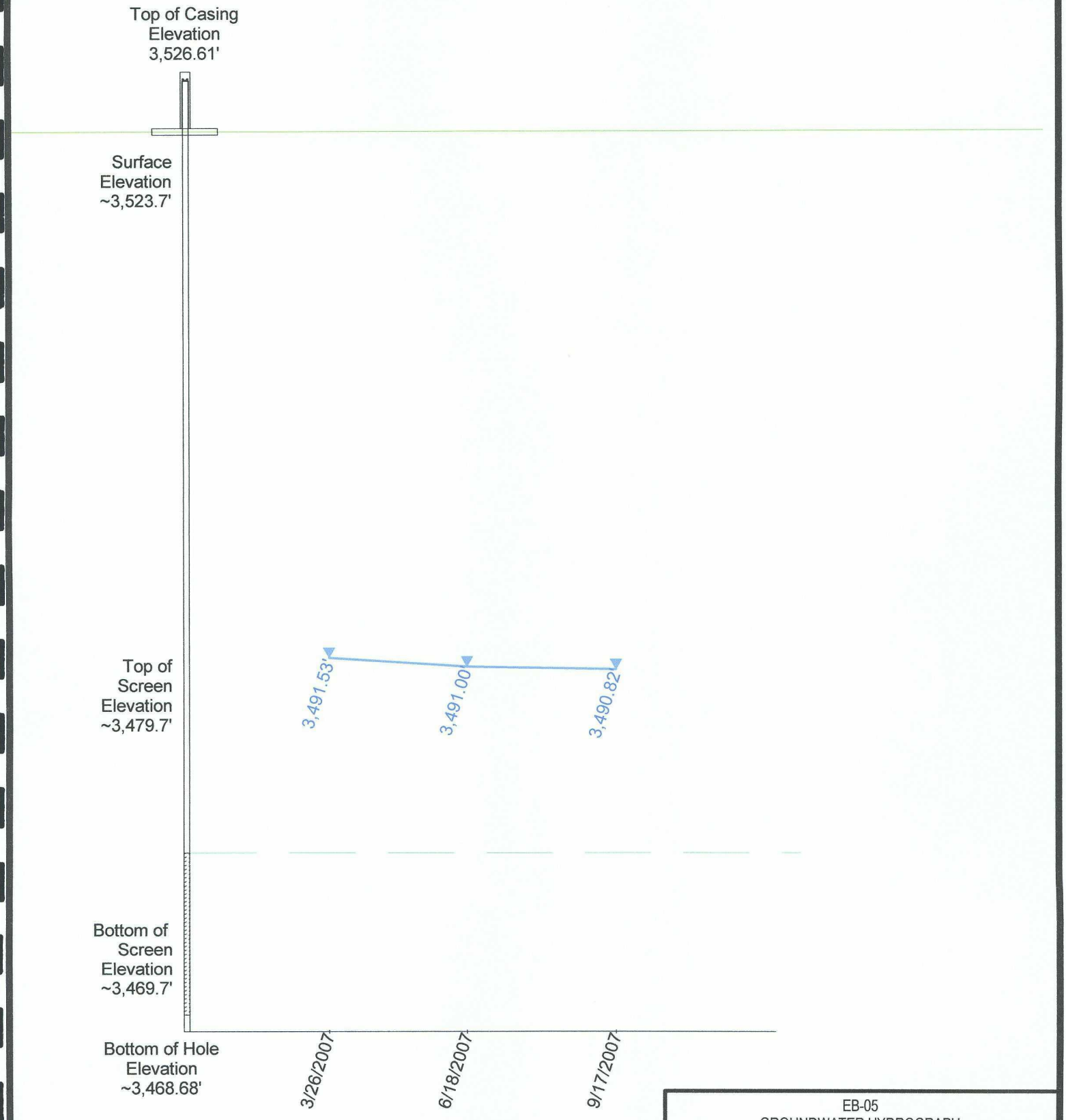


EB-04
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

November 1, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

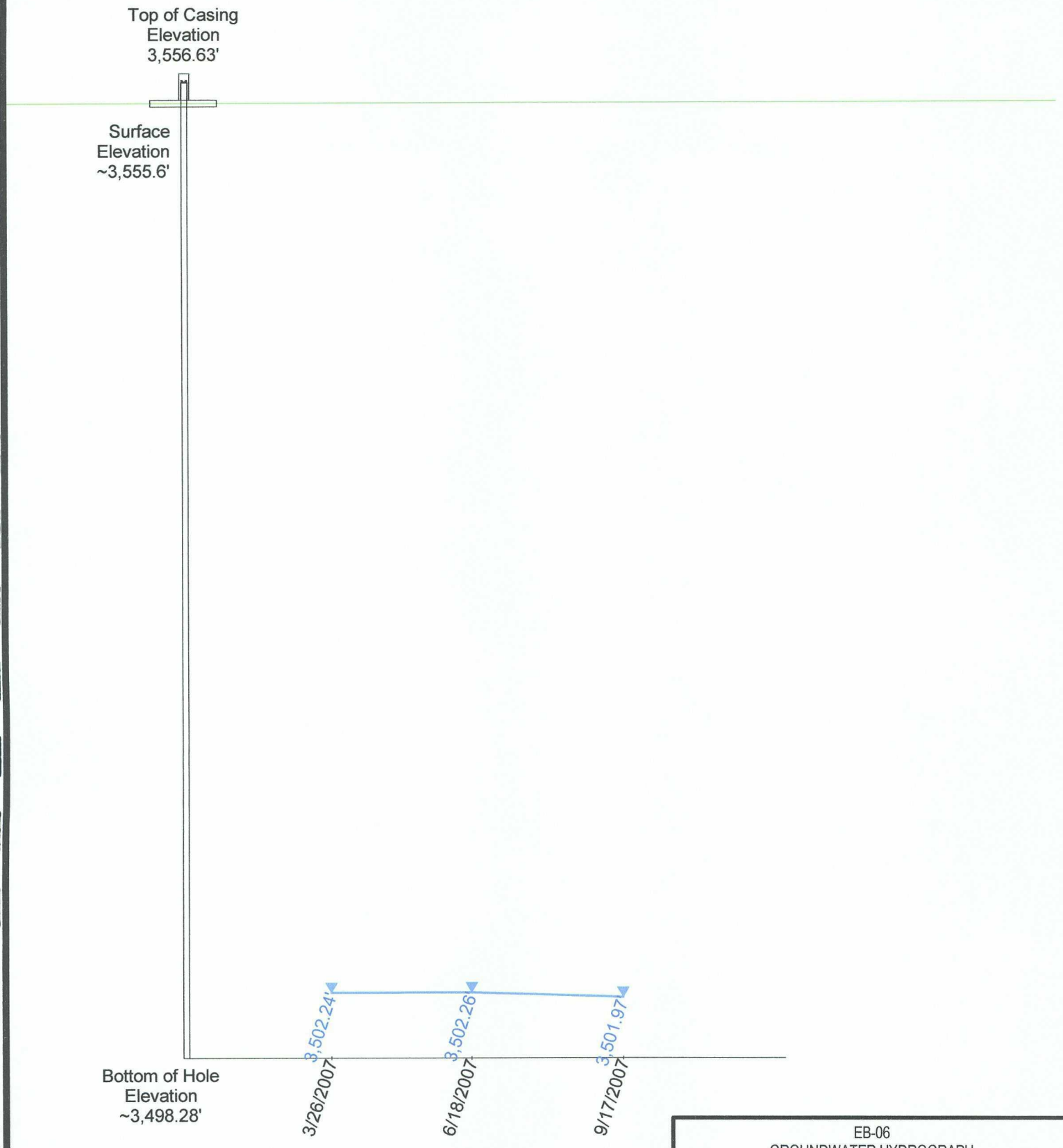
Light Nonaqueous-Phase Liquid Level

EB-05
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

November 1, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

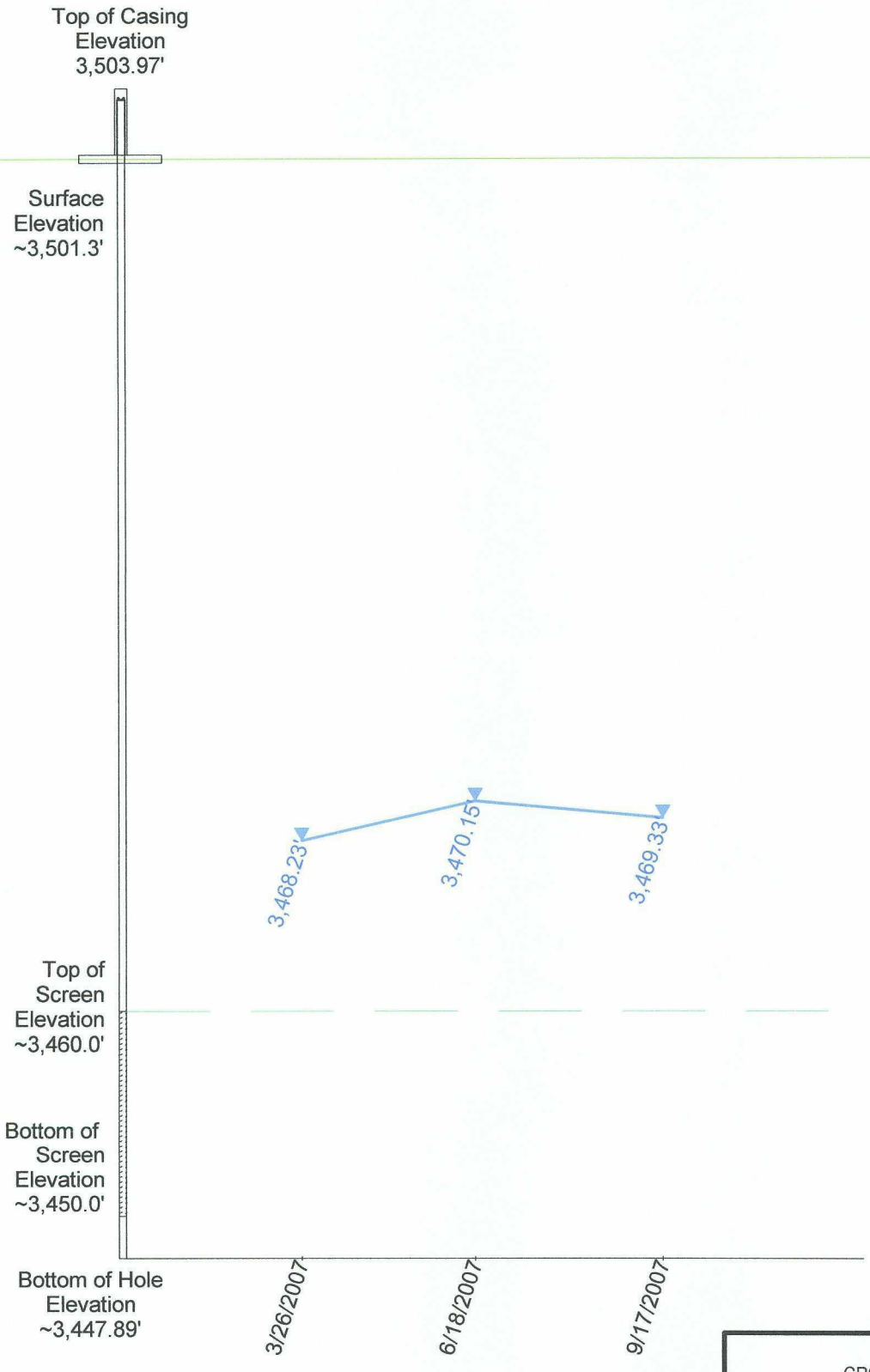
Light Nonaqueous-Phase Liquid Level

EB-06
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

November 1, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

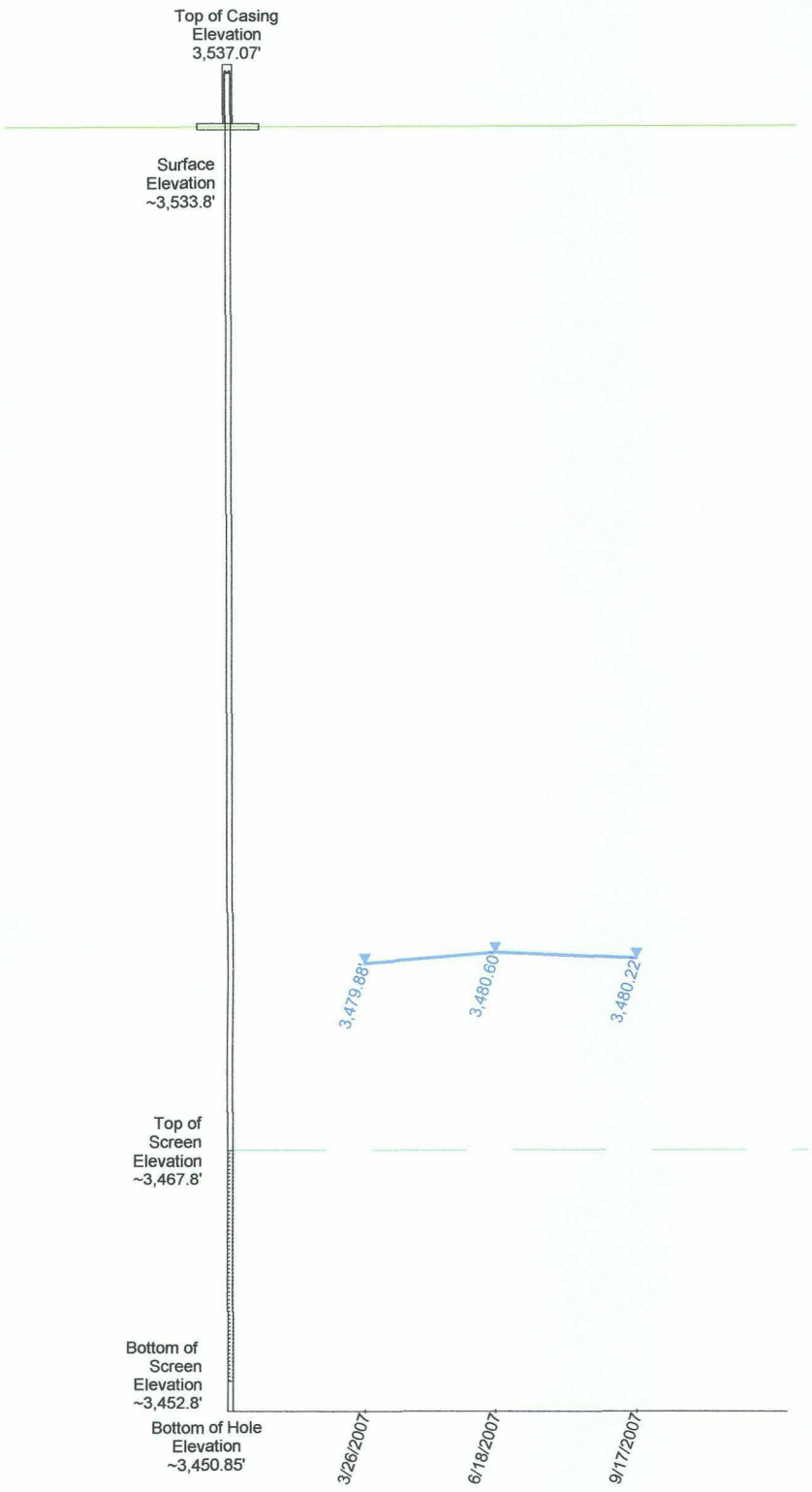
Light Nonaqueous-Phase Liquid Level

EB-07
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

November 1, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants



Uncorrected Groundwater Level

Corrected Groundwater Level

Light Nonaqueous-Phase Liquid Level

EB-08
GROUNDWATER HYDROGRAPH

Frontier Field Services
Empire Abo Gas Plant
257 Empire Road
Artesia, New Mexico

November 2, 2007	06-0141-01

Larson & Associates, inc.
Environmental Consultants

APPENDIX B

Laboratory Reports