AP - 92

ANNUAL MONITORING REPORT

YEAR(S): 2010

PLAINS
ALL AMERICAN

RECEIVED OCD

2011 MAR 31 A 11:55

March 23, 2011

Mr. Edward Hansen
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Plains All American – 2010 Annual Monitoring Reports
6 Sites in Lea County, New Mexico

Dear Mr. Hansen:

Plains All American is an operator of crude oil pipelines and terminal facilities in the state of New Mexico. Plains All American actively monitors certain historical release sites exhibiting groundwater impacts, consistent with assessments and work plans developed in consultation with the New Mexico Oil Conservation Division (NMOCD). In accordance with the rules and regulations of the NMOCD, Plains All American hereby submits our Annual Monitoring reports for the following sites:

8-inch Moore to Jal #1	AP-91 (1R-0380)	Section 16, T17S, R37E, Lea County
8-inch Moore to Jal #2	AP-92 (1R-0381)	Section 16, T17S, R37E, Lea County
C.S. Cayler	AP-052	Section 06, T17S, R37E, Lea County
Hobbs Junction Mainline	AP-054	Section 26, T18S, R37E, Lea County
Kimbrough Sweet 8-inch	AP-0029	Section 03, T18S, R37E, Lea County
Lovington Deep 6-inch	AP-037	Section 03, T18S, R37E, Lea County

Talon/LPE (Talon) prepared these documents and has vouched for their accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the documents and interviewed Talon personnel in order to verify the accuracy and completeness of these documents. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Reports for the above facilities.

If you have any questions or require further information, please contact me at (575) 441-1099.

Sincerely,

Jason Henry
Remediation Coordinator
Plains All American

CC: Geoff Leking, NMOCD, Hobbs, NM

Enclosures

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

AUSTIN
911 West Anderson Lane
Suite 202
Austin, Texas 78757
Phone 512.989.3428
Fax 512.989.3487

MIDLAND
2901 State Highway 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

SAN ANTONIO
11 Commercial Place
Schertz, Texas 78154
Phone 210.265.8025
Fax 210.568.2191

TULSA
525 South Main Street
Suite 535
Tulsa, Oklahoma 74103
Phone 918.742.0871
Fax 918.382.0232

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88241
Phone 505.393.4261
Fax 505.393.4658

ARTESIA
408 W. Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 505.746.8905

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
EMERGENCY RESPONSE

Toll Free: 866.742.0742
www.talonlpe.com

2010 ANNUAL GROUNDWATER MONITORING REPORT
8" MOORE TO JAL #2
SECTION 16, TOWNSHIP 17 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS #2002-10273
NMOCD REF. # AP-92

PREPARED FOR:

PLAINS PIPELINE, L.P.
333 CLAY STREET
SUITE 1600
HOUSTON, TEXAS 77002

PREPARED BY:

TALON/LPE
2901 S. STATE HIGHWAY 349
MIDLAND, TEXAS 79706

DISTRIBUTION:

COPY 1 - PLAINS PIPELINE, L.P. – DENVER CITY
COPY 2 - PLAINS PIPELINE, L.P. - HOUSTON
COPY 3 - NMOCD - HOBBS
COPY 4 - NMOCD - SANTA FE
COPY 5 - NMSLO - SANTA FE
COPY 6 - TALON/LPE

February 22, 2011

2010 ANNUAL GROUNDWATER MONITORING REPORT

8" MOORE TO JAL #2
LEA COUNTY, NEW MEXICO
SRS #2002 - 10273
NMOCD REF. # AP-92

PLAINS PIPELINE, L.P.
333 CLAY STREET, SUITE 1600
HOUSTON, TEXAS

TALON/LPE PROJECT NO. 700376.045.01

Prepared by:

Steven R. Killingsworth, P.G.
Senior Project Manager

Reviewed by:

Kyle Waggoner, P.G.
Regional Manager

TALON/LPE
2901 S. State Highway 349
Midland, Texas 79706

February 2011

Distribution List

Name	Title	Company or Agency	Mailing Address	e-mail
Ed Hansen	Environmental Engineer	NMOCD	1220 South St. Francis Drive Santa Fe, NM 87505	edwardj.hansen@state.nm.us
Geoffrey Leking	Environmental Engineer	NMOCD	1625 French Dr. Hobbs, NM 88231	GeofferyR.Leking@state.nm.us
Brian Henington	Environmental Engineer	NMSLO – Santa Fe	P.O. Box 1148 Santa Fe, NM 87504	bhenington@slo.state.nm.us
Jason Henry	Remediation Coordinator	Plains Pipeline	2530 Highway 214 Denver City, TX 79323	jhenry@paalp.com
Jeff Dann	Senior Environmental Specialist	Plains Pipeline	P. O. Box 4648 Houston, TX 77210-4648	jpdann@paalp.com
File		Talon/LPE	2901 S. St. Hwy 349 Midland, Texas 79706	skillingsworth@talonlpe.com

NMOCD - New Mexico Oil Conservation Division
NMSLO – New Mexico State Land Office

TABLE OF CONTENTS

APPENDICES

Appendix A Drawings

Figure 1 - Site Plan with Proposed Monitor Well Locations Map
Figure 2a - Groundwater Gradient Map - 02/18/2010
Figure 2b - Groundwater Gradient Map - 06/16/2010
Figure 2c - Groundwater Gradient Map – 09/28/2010
Figure 2d - Groundwater Gradient Map - 12/23/2010
Figure 3a - PSH Thickness & Groundwater Concentration Map - 02/18/2010
Figure 3b - PSH Thickness & Groundwater Concentration Map - 06/16/2010
Figure 3c - PSH Thickness & Groundwater Concentration Map – 09/28/2010
Figure 3d - PSH Thickness & Groundwater Concentration Map - 12/23/2010

Appendix B Tables

Table 1 - Summary of Historical Fluid Level Measurements
Table 2 - Summary of Groundwater Analytical Results

Appendix C Laboratory Analytical Data Reports and Chains of Custody Documentation

Appendix D NMOCD C-141

1.0 INTRODUCTION AND OBJECTIVES

1.1 Objectives and Site Background

The 8" Moore to Jal #2 (site) is located approximately 9.2 miles southeast of Lovington, Lea County, New Mexico, on property owned by the State of New Mexico. The site is located within the West Lovington Oil Field at 32° 49' 56.61" N, 103° 15' 08.47" W. There are no residences, groundwater wells, or surface water bodies within a 1,000-foot radius of the site. The initial release occurred from an EOTT Energy Pipeline (EOTT) steel pipeline on October 22, 2002. Subsequently, EOTT changed its name to Link Energy in October 2003, and Plains Marketing, L.P. (Plains) purchased the assets of Link Energy on April 1, 2004. Initial reports estimated that 25 barrels (bbls) of crude oil were released. Approximately 5,794 square feet of surface area was impacted by the release.

On February 5, 2007, Talon/LPE (Talon) was retained by Plains to assume remediation activities at the site. Remediation activities at the site were previously conducted by Environmental Plus, Inc. (EPI).

1.2 Site Geology

The surface deposits in Lea County are composed of Blackwater Draw (Illinoian) sediments, Ogallala sediments and undivided Quaternary alluvium, which is also termed 'cover sands'. The soil in the upper two (2) feet at the site is composed of gravelly loam that consists of 43% sand, 18% clay and 40% silt and also contains abundant eroded gravel to cobble size caliche fragments. Below the top soil is predominately unconsolidated sand to weakly cemented sandstone which has undergone calichification of varying extent.

Below the Blackwater Draw Formation is the Ogallala Formation of Miocene to Pliocene age. The Ogallala Formation was deposited from sediments eroded from the Southern Rockies and consists mostly of eolian sediments, silty to very fine sand or loess. During the middle to late Miocene, the Ogallala was deposited by fluvial mechanism as paleovalley fill composed of gravelly to sandy braided stream deposits that trended west to east across the Southern High Plains. During the late Miocene the west to east drainage was diverted (captured) by the Pecos River. Subsequently, the Pecos River basin has experienced deflation, which facilitated eolian deposition on the Southern High Plains during the Pliocene.

1.3 Previous Environmental Investigations

Currently, there are a total of twenty-one (21) groundwater monitor wells that have been installed in the vicinity of the release (see Figure 1). With New Mexico Oil Conservation Division (NMOCD) approval and landowner concurrence, groundwater monitor well MW-1 was installed in July 2004. Subsequently, groundwater monitor wells MW-2, MW-3, and MW-4 were installed in October 2004, monitor wells MW-6 through MW-13 were installed in November 2007, MW-14 through MW-16 were installed in March of 2010 and MW-17 through MW-21 were installed in August of 2010.

Phase-separated hydrocarbon (PSH) recovery operations has been performed at the site since 2004. Currently, there are four (4) skimmer pumps and two (2) total fluid pumps in operation at the site used to recover phase-separated hydrocarbon (PSH). Table 1, which summarizes historical groundwater and PSH gauging, is provided in Appendix B. In addition, cumulative historical tables are on the attached CD that is an adjunct to this report.

1.4 Regulatory Framework

Groundwater analytical data collected from this site is evaluated to the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards outlined in the table below.

New Mexico Water Quality Control Commission (NMWQCC) groundwater standards	
Compound	**mg/L**
Benzene	0.010
Toluene	0.750
Ethylbenzene	0.750
Total Xylenes	0.620
PAH (Naphthalene)	0.030
PAH (Benzo[a]-pyrene)	0.007

2.0 SITE ACTIVITIES

The sections that follow summarize groundwater monitoring and PSH recovery activities conducted at the subject site during the year 2010. The primary function of groundwater monitoring activities is to collect depth to fluid measurements and to collect groundwater samples from monitor wells for laboratory analysis. The objective of groundwater monitoring is to evaluate the status of the dissolved-phase and PSH plumes in order to verify the effectiveness of the remediation system as to inhibiting plume migration, reducing the volume of PSH impacting the groundwater and determining if modifications to the remediation system would improve its overall performance and efficiency.

A synopsis of analytical results for the four (4) groundwater monitoring events is located in Table 2, in Appendix B, and annotated in map form on Figures 3a through 3d in Appendix A. Laboratory analytical data reports and chain of custody documentation are included in Appendix C. In addition, the entire annual groundwater monitoring report, including cumulative historical analytical data, are located on the attached CD, which is an adjunct to this report.

2.1 Groundwater Monitoring Activities

A total of four (4) groundwater monitoring events were conducted by Talon during the year 2010. The events occurred on: February 18, June 16, September 28, and December 23. During all of the groundwater monitoring events, the depths to fluids were measured in all of the monitoring wells using an oil/water interface probe.

During the first groundwater monitoring event, seven (7) monitor wells, MW-2, MW-4, MW-8, and MW-10 through MW-13, were purged of at least three (3) casing volumes and groundwater samples were collected. During the second groundwater monitoring event samples were collected from newly installed monitor wells MW-14 through MW-17 as well as MW-2, MW-4, MW-8, and MW-10 through MW-13. During the third and fourth events samples were collected from newly installed monitor wells MW-17 through MW-21 as well as the previously listed nine monitor wells. During all four events, samples were not collected from six (6) monitor wells, MW-1, MW-3, MW-5, MW-6, MW-7, and MW-9, due to the presence of PSH. Details of the gauging, purging, and sampling activities are presented below in Section 2.2.

2.2 Groundwater Gauging, Purging, and Sampling Procedures

During each groundwater monitoring event, all monitor wells were measured with an oil/water interface probe to determine static water levels and to determine the thickness of PSH accumulations if present. The data collected from measurements was used to construct groundwater gradient maps and PSH thickness maps. The results of the measured depths to fluids collected during the four (4) events are incorporated in Table 1 – Summary of Historical Fluid Level Measurements. In addition, cumulative historical gauging data is located in the tables section on the CD, which is an adjunct to this report.

Subsequent to gauging, all monitor wells were purged using a down-hole pump equipped with vinyl tubing. The pump and tubing were decontaminated with Alconox® detergent and rinsed with distilled water after each use. Recovered purge water and water used in the decontamination process was contained in 55-gallon drums. After the groundwater monitoring event, all retained water was removed with a vacuum truck and properly disposed. Approximately 1,125 gallons of purged groundwater and water used for pump decontamination was generated during the monitoring events of 2010.

Groundwater samples were collected from all monitor wells not impacted with PSH using dedicated disposable polyethylene bailers. Groundwater samples were not collected from wells impacted with PSH. The groundwater samples were contained in laboratory supplied sample vials infused with the appropriate preservative required for the requested analysis. The groundwater samples were maintained on ice, in the custody of Talon personnel, until they were delivered to TraceAnalysis, Inc. in Midland, Texas for testing. The groundwater samples collected during the all four events were quantified for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method SW-846 8021B.

2.3 Phase Separated Hydrocarbon Recovery

Prior to October 2008, a mobile recovery trailer with total fluids pumps was mobilized to the site on a weekly basis to recover PSH from monitor wells MW-1, MW-2, MW-3, MW-5, MW-6, MW-7, and MW-9.

On October 7, 2008, a permanent system was installed utilizing two (2) AP-4 pneumatic total fluid pumps in monitor wells MW-1 and MW-7 and four (4) skimmers in monitor wells MW-3, MW-5, MW-6, and MW-9 to recover PSH and to inhibit migration of the PSH plume. The skimmer assembly consists of bladder pumps combined with 24-inch traveling float specific gravity skimmer attachments. The skimmer system and total fluids pumps are powered by a single-phase 230 volt, 7.5 HP two stage reciprocating air compressor. Fluid, recovered by the pumps, is retained in a 6,500-gallon poly tank. The poly tank is equipped with a high level shut off switch to prevent overflow and it is located within a secondary recovery compound that is outfitted with a poly-liner. Both recovered groundwater and PSH are periodically removed with a vacuum truck. Recovered groundwater is transported to an approved NMOCD disposal facility and removed PSH is re-introduced to the Plains' pipeline system at the Scharb Station and/or 34 Junction South pipeline.

Talon personnel performed a minimum of weekly maintenance to the remediation system to ensure efficient operation, to optimize PSH recovery and to minimize down time. The poly tank is gauged weekly to monitor PSH recovery volume. The system has been effective at recovering PSH from the groundwater.

During 2009 the quarterly PSH and groundwater recovery totals are as follows:

- 1st Quarter - 6.0 bbls crude oil and 721 bbls of groundwater
- 2nd Quarter – 20.0 bbls crude oil and 1290 bbls of groundwater
- 3rd Quarter – 9.0 bbls crude oil and 1774 bbls of groundwater
- 4th Quarter – 8.0 bbls of crude oil and 1613 bbls of groundwater

During 2010 a total of 43 bbls of crude oil and a total of 5,398 bbls of groundwater were recovered by the PSH recovery system. Approximately 114 bbls of crude oil has been recovered at the subject site since PSH recovery activities were initiated.

2.4 Groundwater Monitoring Results

The sections that follow present the results from the four (4) groundwater monitoring events conducted at the subject site.

2.4.1 Physical Characteristics of the First Water-Bearing Zone

The primary groundwater resource under the Southern High Plains, including the site, is referred to as the Ogallala Aquifer or High Plains Aquifer. The Southern portion of the Ogallala aquifer underlies an area of about 29,000 square miles (mi^2) in western Texas and eastern New Mexico, encompassing all or part of 31 counties in Texas and 6 counties in New Mexico.

The Ogallala Aquifer is generally unconfined and the poteniometric surface generally mirrors the land surface elevation with the regional flow direction is from the northwest to the southeast. The mean regional gradient is 15 feet per mile and the typical groundwater velocity averages seven inches per day. The regional hydraulic conductivity averages 17 gallons per day per square-foot and specific yield averages 16%. The depth to groundwater at the site has historically ranged from 64 to 72 feet below ground surface (bgs) and the groundwater flow direction is to the southeast at an average of 20 feet per mile.

The Ogallala Aquifer has experienced acute depletion from extensive irrigation and urban demand, which have exceeded the average annual recharge rate. Recharge of the Ogallala Aquifer on the Southern High Plains occurs predominately from rainfall runoff that accumulates in ephemeral streams and playa lakes as well as direct recharge in areas that contain permeable soils such as sand hills. Recharge rates vary depending on mechanism, but averages from 0 to 1.6 inches per year.

The composition of Ogallala groundwater is defined as mixed-cation-HCO_3, therefore, Ogallala groundwater is considered hard. Problems with scale have occurred with residential and commercial water systems that use Ogallala groundwater and often treatment strategies are employed to reduce the effects of scale. The typical total dissolved solids of Ogallala groundwater in the Hobbs-Lovington area is generally less than 1,000 mg/L (ppm) in areas not impacted by oil-field brines. The pH of Ogallala water averages 7.3.

2.4.2 Groundwater Gradient and Flow Direction

The depth to fluid measurements was collected during each of the four (4) groundwater monitoring events during the year 2010. The results of the fluid level measurements are summarized in Table 1 - Summary of Historical Fluid Level Measurements in Appendix B.

The collected data was used to construct potentiometric surface maps in order to interpret the groundwater gradient and flow direction. The maps, designated Figures 2a through 2d are presented in Appendix A.

The potentiometric surface maps constructed for each of the four (4) groundwater monitoring events indicate consistently that the groundwater flow direction is to southeast at an approximate gradient ranging from 0.0036 to 0.0045 feet/foot or approximately 20 feet per mile. Groundwater levels at the subject site have exhibited a steady decline of an average of 1.39 feet for the year for monitor wells MW-1 through MW-13 and an average of 1.03 feet for monitor wells MW-14, MW-15, and MW-16 since April of 2010 and an average of 0.29 feet for monitor wells MW-17 through MW-21 since September of 2010. The declines in groundwater levels appear to be associated with a regional trend of declining groundwater levels for the Ogallala Aquifer.

2.4.3 Phase Separated Hydrocarbon (PSH)

An oil/water interface probe was used to determine the thicknesses of PSH during the four (4) groundwater monitoring events. Generally, PSH thicknesses have fluctuated from quarter to quarter but have exhibited an overall decline during 2010 with a significant decline in up-gradient monitor well MW-5 of 4.39 feet. The decline of PSH thicknesses have ranged from 0.22 to 4.39 feet during the year 2010. Cross-gradient monitor wells MW-3 and MW-9 exhibited minor increases in PSH thicknesses during the year 2010.

In addition to potentiometric surface maps, isopleth maps were prepared depicting the measured PSH thicknesses and PSH plume geometry. PSH plume delineation and thickness maps are presented in Appendix A as Figures 3a through 3d. Currently, the PSH plume is delineated. PSH recovery operations have been performed at the site since 2004. Currently there are a total of two (2) total fluid pumps and four (4) skimmer pumps in operation at the site. A summary of the historical groundwater and PSH gauging results is provided in Table 1 in Appendix B.

2.4.4 Groundwater Analytical Results

During the first quarter, February 2010, sampling event, groundwater samples were collected from monitor wells MW-2, MW-4, MW-8, and MW-10 through MW-13. Monitor wells MW-1, MW-3, MW-5, MW-6, MW-7, and MW-9 were not sampled due to the presence of PSH.

The following analytical results were observed from laboratory analyses:

- Benzene concentrations ranged from <0.00100 mg/L to 15.1 mg/L. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in groundwater samples collected from monitor wells MW-2, MW-4, MW-8, and MW-13.
- Toluene concentrations ranged from <0.00100 mg/L to 3.46 mg/L. The toluene concentration exceeded the NMWQCC groundwater standard of 0.750 mg/L in the groundwater sample collected from monitor wells MW-8.
- Ethylbenzene concentrations ranged from <0.00100 mg/L to 0.719 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any groundwater sample.
- Xylene concentrations ranged from <0.00100 mg/L to 1.38 mg/L. The xylene

concentration exceeded the NMWQCC groundwater standard of 0.620 mg/L in the groundwater sample collected from monitor well MW-8.

Groundwater samples were collected from newly installed monitor wells MW16, MW-17 and MW-18 on April 13, 2010 and those samples were analyzed for BTEX by EPA Method 8021. Analytical results indicated that BTEX concentrations did not exceed the reporting limit in any collected sample.

During the June 2010 sampling event, groundwater samples were collected from monitor wells MW-2, MW-4, MW-8, and MW-10 through MW-16. Monitor wells MW-1, MW-3, MW-5, MW-6, MW-7, and MW-9 were not sampled due to the presence of PSH.

Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations ranged from <0.00100 mg/L to 16.9 mg/L. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in groundwater samples collected from monitor wells MW-2, MW-4, MW-8, MW-12, and MW-13.
- Toluene concentrations ranged from <0.00100 mg/L to 1.43 mg/L. The toluene concentration exceeded the NMWQCC groundwater standard of 0.750 mg/L in the groundwater sample collected from monitor well MW-8.
- Ethylbenzene concentrations ranged from <0.00100 mg/L to 0.620 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any collected groundwater sample.
- Xylene concentrations ranged from <0.00100 mg/L to 0.755 mg/L. The xylene concentration exceeded the NMWQCC groundwater standard of 0.620 mg/L in the groundwater sample collected from monitor well MW-8.

During the September 2010 sampling event, groundwater samples were collected from monitor wells MW-2, MW-4, MW-8, and MW-10 through MW-21. Monitor wells MW-1, MW-3, MW-5, MW-6, MW-7, and MW-9 were not sampled due to the presence of PSH.

Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations ranged from <0.00100 mg/L to 16.3 mg/L. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in groundwater samples collected from monitor wells MW-2, MW-4, MW-8, MW-13, MW-17, MW-18, and MW-19.
- Toluene concentrations ranged from <0.00100 mg/L to 2.05 mg/L. The toluene concentration exceeded the NMWQCC groundwater standard of 0.750 mg/L in the groundwater sample collected from monitor well MW-8.
- Ethylbenzene concentrations ranged from <0.00100 mg/L to 0.464 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the collected groundwater samples.

- Xylene concentrations ranged from <0.00100 mg/L to 0.872 mg/L. The xylene concentration exceeded the NMWQCC groundwater standard of 0.620 mg/L in the groundwater sample collected from monitor well MW-8.

During the December 2010 sampling event, groundwater samples were collected from monitor wells MW-2, MW-4, MW-8, and MW-10 through MW-21. Monitor wells MW-1, MW-3, MW-5, MW-6, MW-7, and MW-9 were not sampled due to the presence of PSH.

Laboratory analytical results of the groundwater samples collected exhibited the following findings:

- Benzene concentrations ranged from <0.00100 mg/L to 11.0 mg/L. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in groundwater samples collected from monitor wells MW-2, MW-4, MW-8, MW-12, MW-13, MW-17, MW-18, and MW-19.
- Toluene concentrations ranged from <0.00100 mg/L to 1.61 mg/L. The toluene concentration exceeded the NMWQCC groundwater standard of 0.750 mg/L in the groundwater sample collected from monitor well MW-8.
- Ethylbenzene concentrations ranged from <0.00100 mg/L to 0.611 mg/L Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any collected groundwater sample.
- Xylene concentrations ranged from <0.00100 mg/L to 1.42 mg/L. Xylene concentrations exceeded the NMWQCC groundwater standard of 0.620 mg/L in the groundwater samples collected from monitor wells MW-8 and MW-13.

Generally, dissolved-phase concentrations have declined during the year 2010 with the most significant declines in down-gradient monitor wells MW-4, MW-8, and MW-13 indicating that the dissolved-phase plume has contracted during the year 2010. Dissolved-phase concentrations have increased slightly in cross-gradient monitor wells MW-17, MW-18 and MW-19. Currently, the dissolved-phase groundwater plume is delineated.

3 CONCLUSIONS AND RECOMMENDATIONS

The following section presents a summary of the four groundwater monitoring events conducted at the 8" Moore to Jal #2 site and provides recommendations for future corrective actions.

3.1 Summary of Findings

- The groundwater flow direction is to the southeast at an approximate gradient of 0.0039 or 20.9 feet per mile.
- Groundwater levels at the subject site have exhibited a steady decline that appears to be associated with a regional trend of declining groundwater levels for the Ogallala Aquifer.
- PSH has been observed in monitor wells MW-1, MW-3, MW-5, MW-6, MW-7, and MW-9.
- Generally, PSH thicknesses have fluctuated from quarter to quarter during the year 2010, but PSH thicknesses have exhibited an overall decline.
- Down-gradient monitor wells MW-4, MW-8, and MW-13 have exhibited decreasing concentrations of dissolved-phase contaminants indicating that the dissolved-phase plume may be contracting. Currently, the dissolved-phase plume is delineated.
- For the year 2010, cross-gradient monitor wells MW-17, MW-18, and MW-19 exhibited slight increases in BTEX concentrations indicating that the dissolved-phase plume may be expanding cross-gradient to the northeast.
- Approximately 43 bbls of crude oil was recovered during 2010 indicating that the PSH recovery system is performing its function.

3.2 Recommendations

Based upon the results of the quarterly groundwater monitoring and PSH recovery efforts, Talon proposes the following actions:

- Continue operation and maintenance of the skimmer/bladder pump and total fluids pumps recovery system. Monitor the system on a weekly basis to optimize PSH recovery efficiency.
- Add or reposition pumps as necessary to optimize PSH recovery and inhibit plume migration.
- Perform quarterly groundwater monitoring events in accordance with NMOCD directives.
- Evaluate a method to transfer recovered groundwater directly to a water disposal facility versus removal with vacuum trucks, which could ultimately augment PSH recovery by allowing for increased system run times.

APPENDIX A

Figures

Figure 1 - Site Plan with Proposed Monitor Well Locations Map

Figure 2a - Groundwater Gradient Map – 02/18/2010

Figure 2b - Groundwater Gradient Map – 06/16/2010

Figure 2c - Groundwater Gradient Map – 09/28/2010

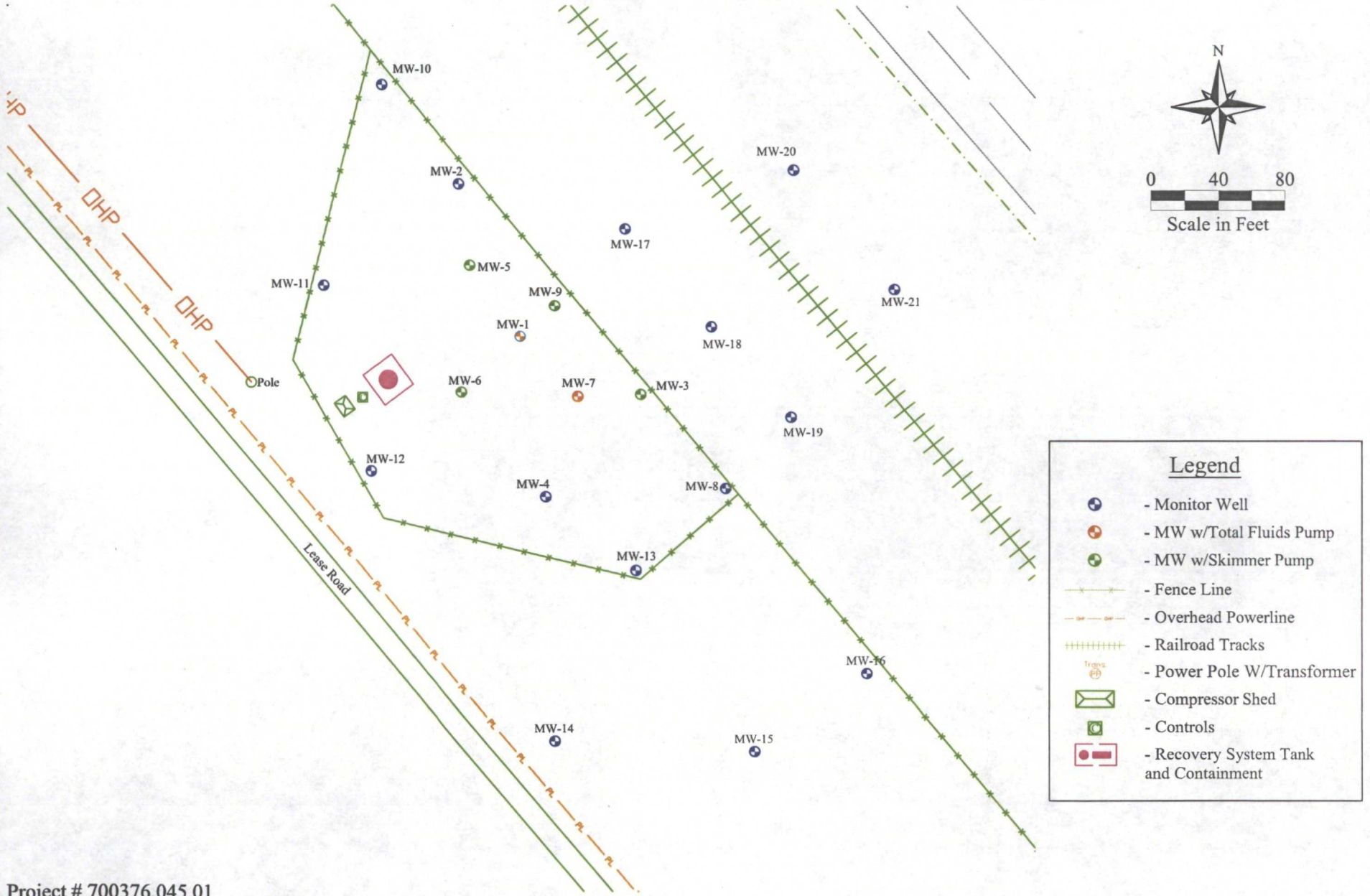
Figure 2d - Groundwater Gradient Map - 12/23/2010

Figure 3a - PSH Thickness & Groundwater Concentration Map - 02/18/2010

Figure 3b - PSH Thickness & Groundwater Concentration Map - 06/16/2010

Figure 3c - PSH Thickness & Groundwater Concentration Map – 09/28/2010

Figure 3d - PSH Thickness & Groundwater Concentration Map - 12/23/2010



Project # 700376.045.01

TALON LPE

Date:	04/26/2010
Scale:	1" = 80'
Drawn By:	TJS

8" Moore to Jal # 2
SRS # 2002-10273, NMOCD REF. # AP-92
9.2 Miles SE of Lovington, NM, Lea County, New Mexico
Figure 1 - Site Plan

Gradient
0.0036 ft/ft
19.14 ft/mi

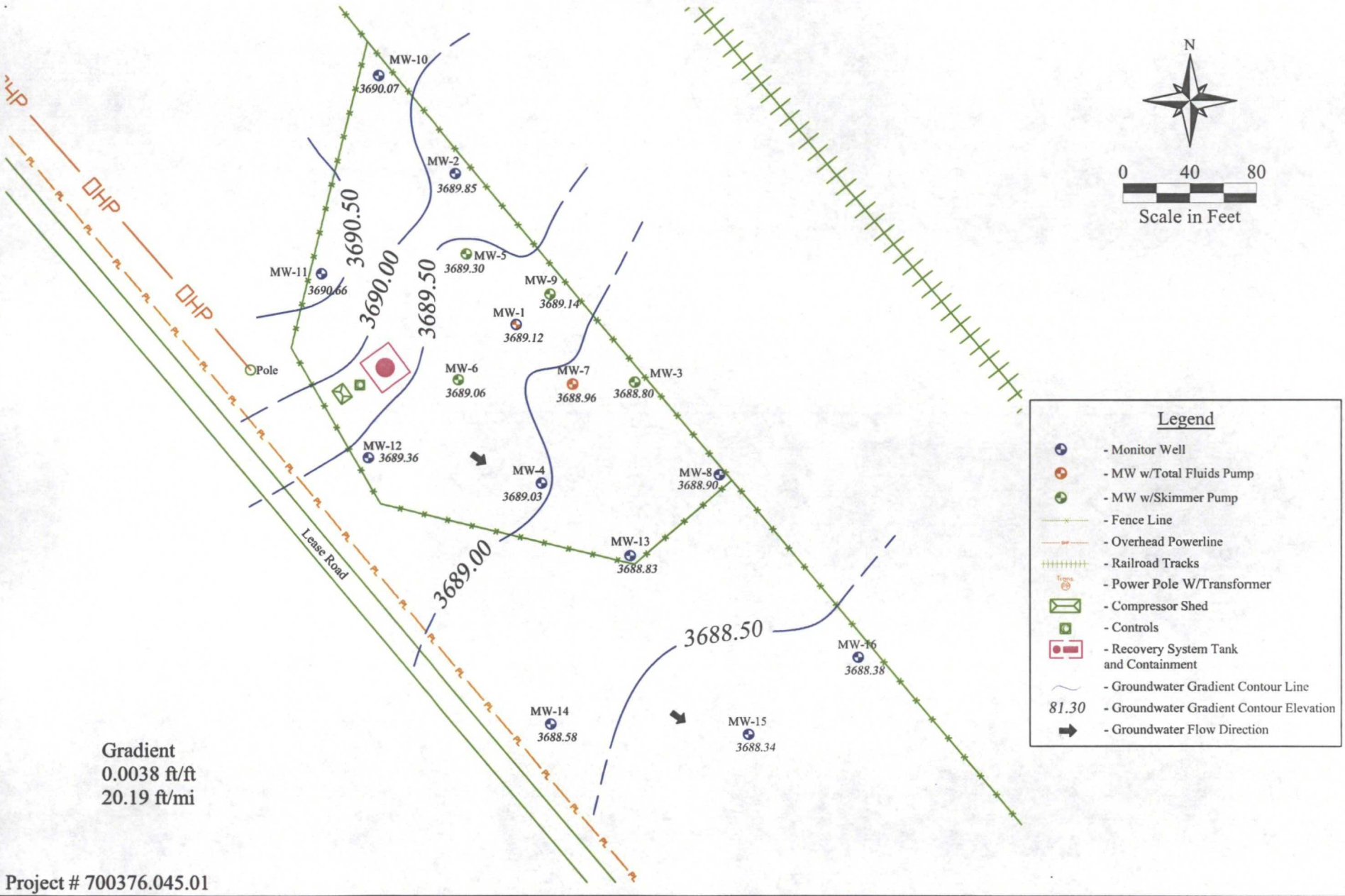
Project # 700376.045.01

TALON LPE

Date:	12/30/2010
Scale:	1" = 80'
Drawn By:	TJS

8" Moore to Jal # 2

SRS # 2002-10273, NMOCD REF. # AP-92
9.2 Miles SE of Lovington, NM, Lea County, New Mexico
Figure 2a - Groundwater Gradient Map - 02/18/2010

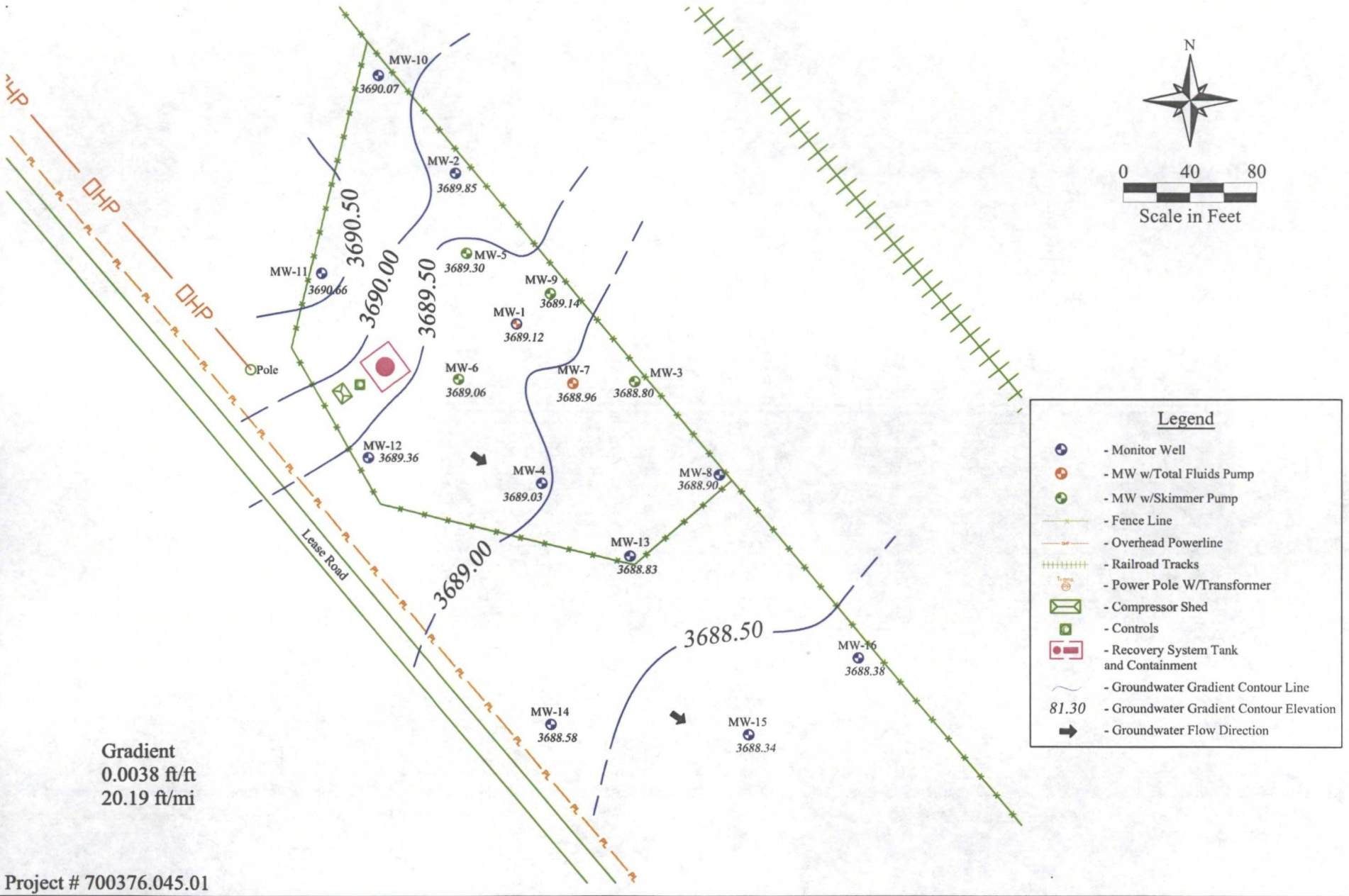


Project # 700376.045.01

TALON LPE

Date:	06/30/2010
Scale:	1" = 80'
Drawn By:	TJS

8" Moore to Jal # 2
SRS # 2002-10273, NMOCD REF. # AP-92
9.2 Miles SE of Lovington, NM, Lea County, New Mexico
Figure 2b - Groundwater Gradient Map - 06/16/2010



Project # 700376.045.01

TALON LPE

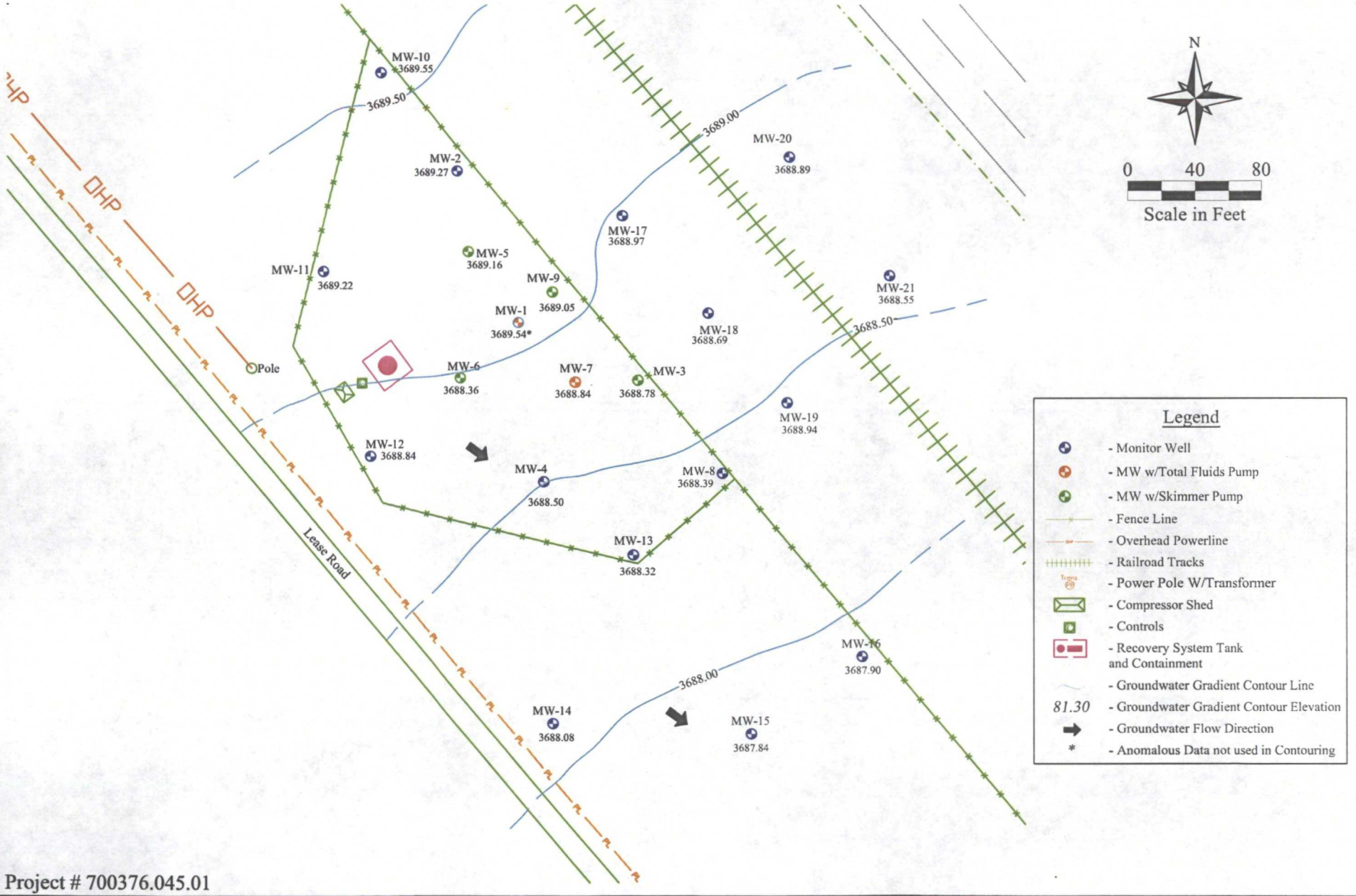
Date:	06/30/2010
Scale:	1" = 80'
Drawn By:	TJS

8" Moore to Jal # 2

SRS # 2002-10273, NMOCD REF. # AP-92

9.2 Miles SE of Lovington, NM, Lea County, New Mexico

Figure 2b - Groundwater Gradient Map - 06/16/2010

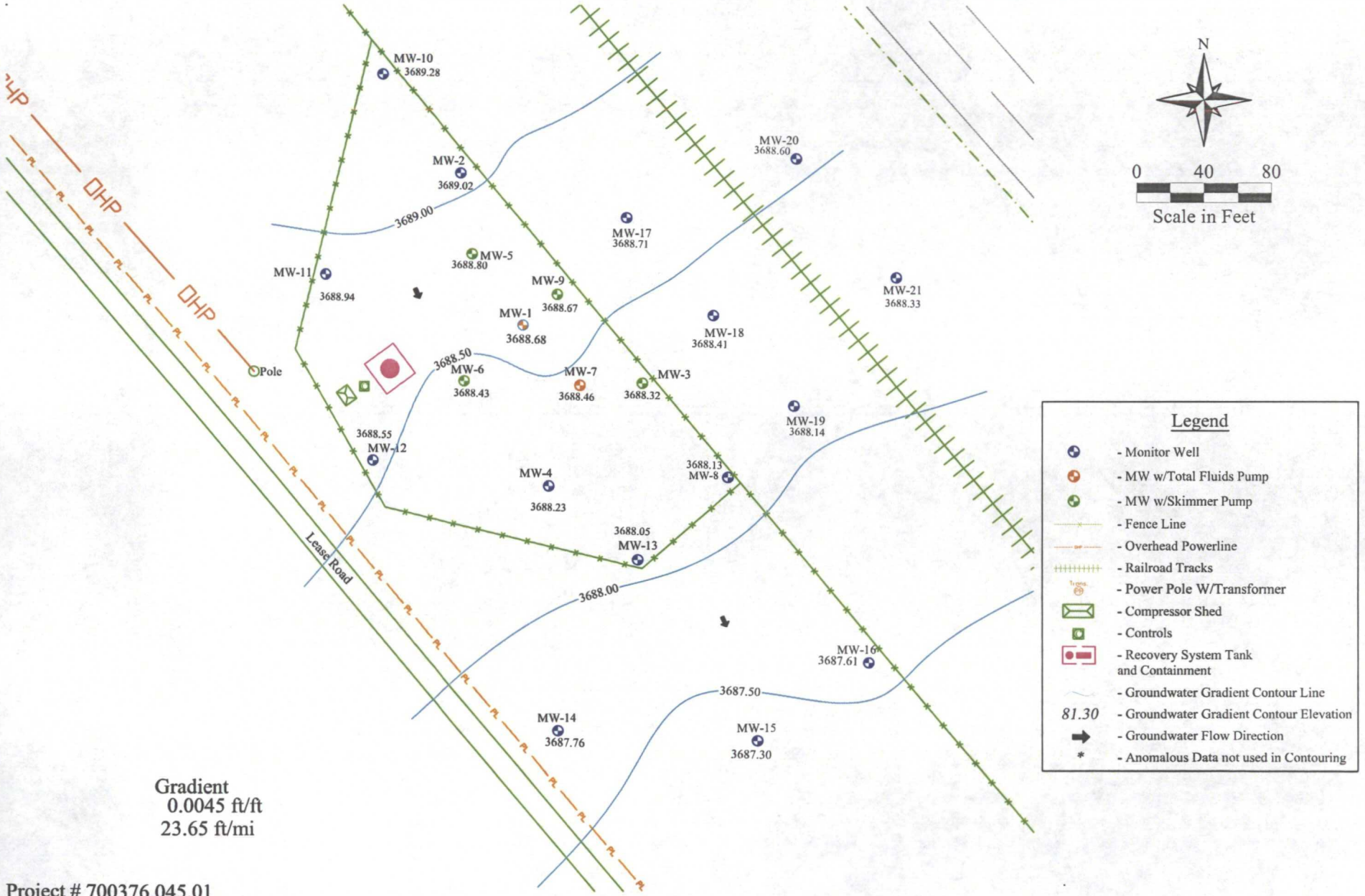


Project # 700376.045.01

TALON LPE

Date: 11/02/2010
Scale: 1" = 80'
Drawn By: TJS

8" Moore to Jal # 2
SRS # 2002-10273, NMOCD REF. # AP-92
9.2 Miles SE of Lovington, NM, Lea County, New Mexico
Figure 2c - Groundwater Gradient Map - 09/28/2010



TALON LPE

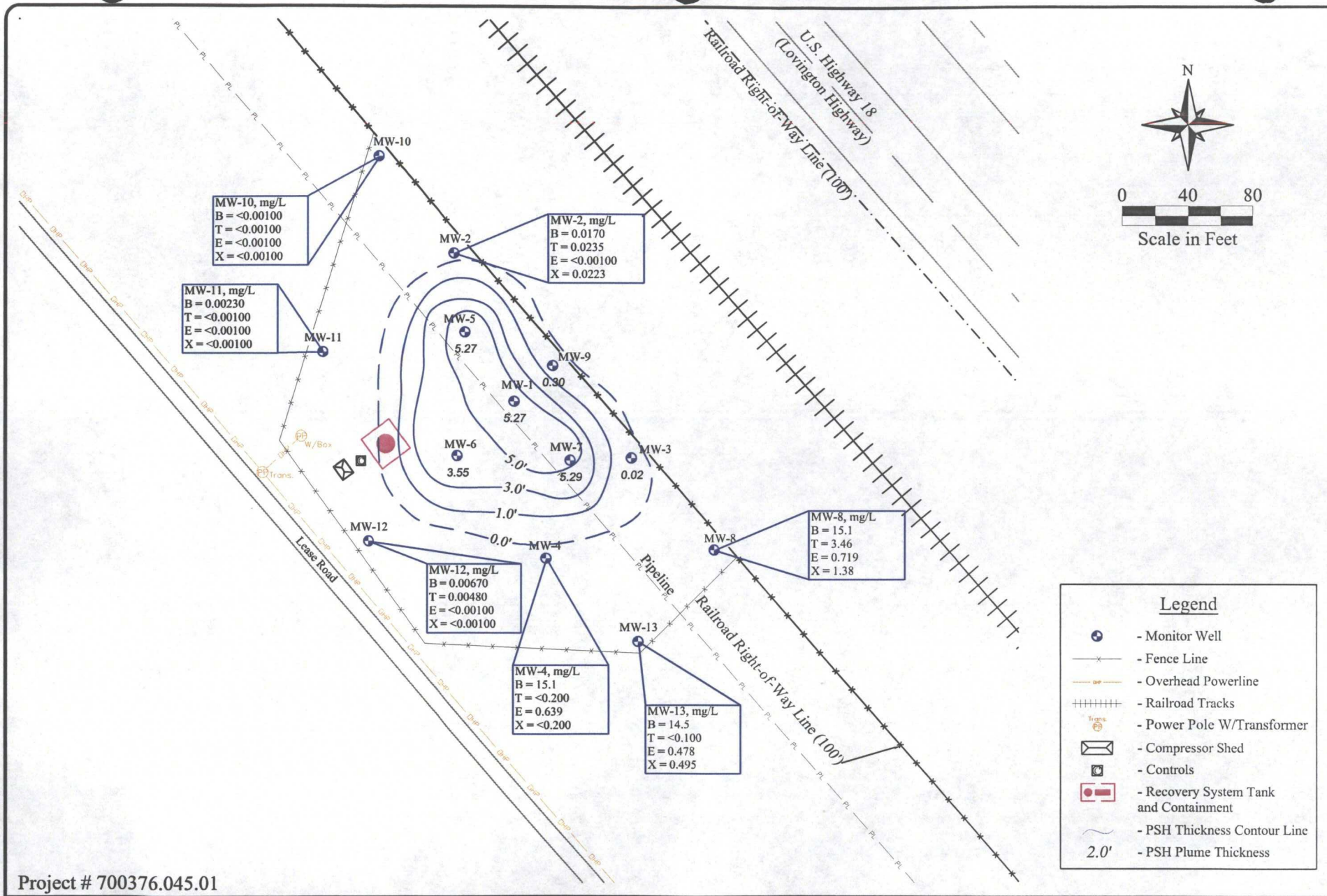
Date:	12/30/2010
Scale:	1" = 80'
Drawn By:	TJS

8" Moore to Jal # 2

SRS # 2002-10273, NMOCD REF. # AP-92

9.2 Miles SE of Lovington, NM, Lea County, New Mexico

Figure 2d - Groundwater Gradient Map - 12/23/2010



Project # 700376.045.01

TALON LPE

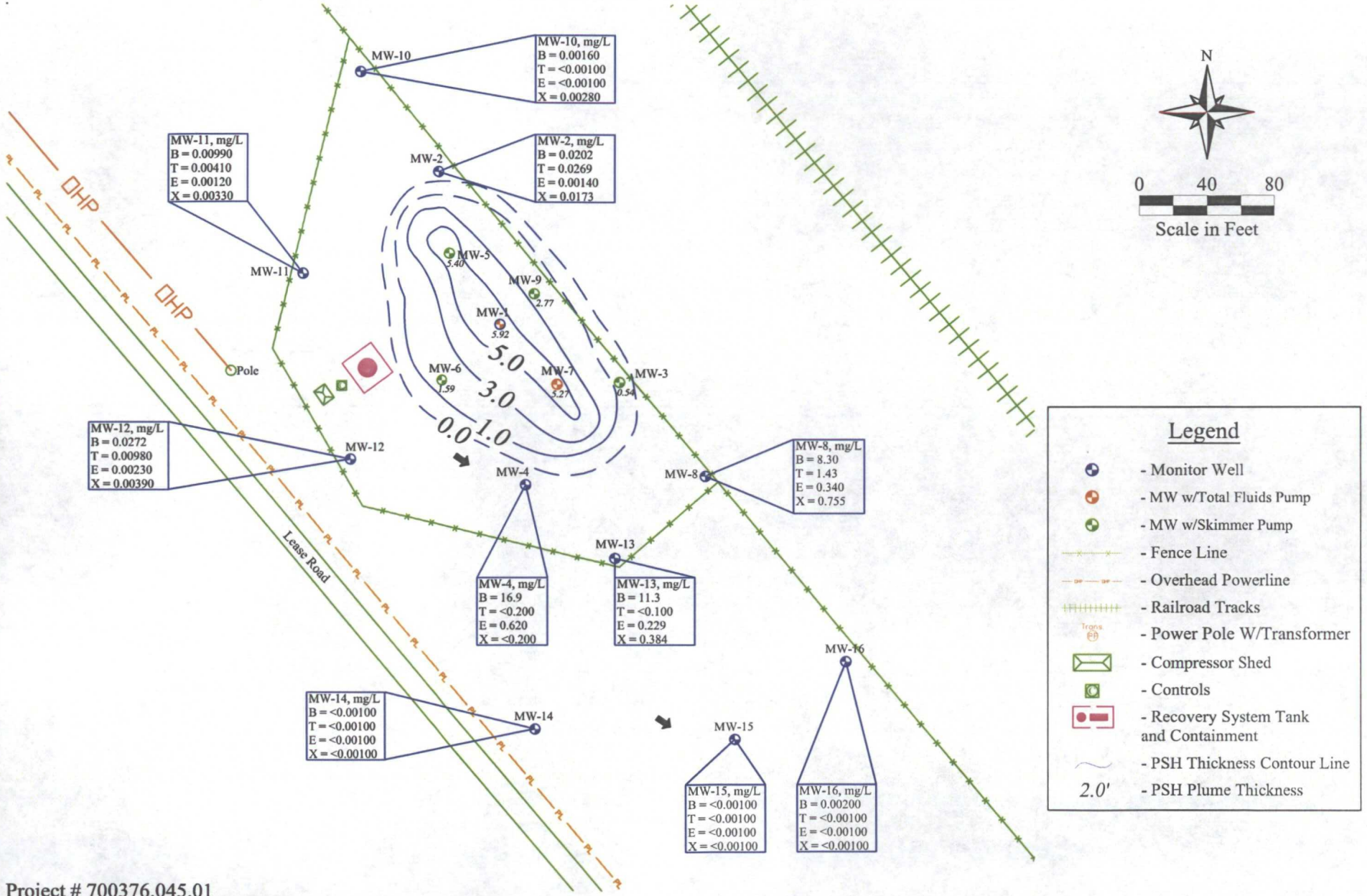
Date:	03/25/2010
Scale:	1" = 80'
Drawn By:	TJS

8" Moore to Jal # 2

SRS # 2002-10273, NMOCD REF. # AP-92

9.2 Miles SE of Lovington, NM, Lea County, New Mexico

Figure 3a - PSH Thickness and Groundwater Concentration Map, - 02/18/2010

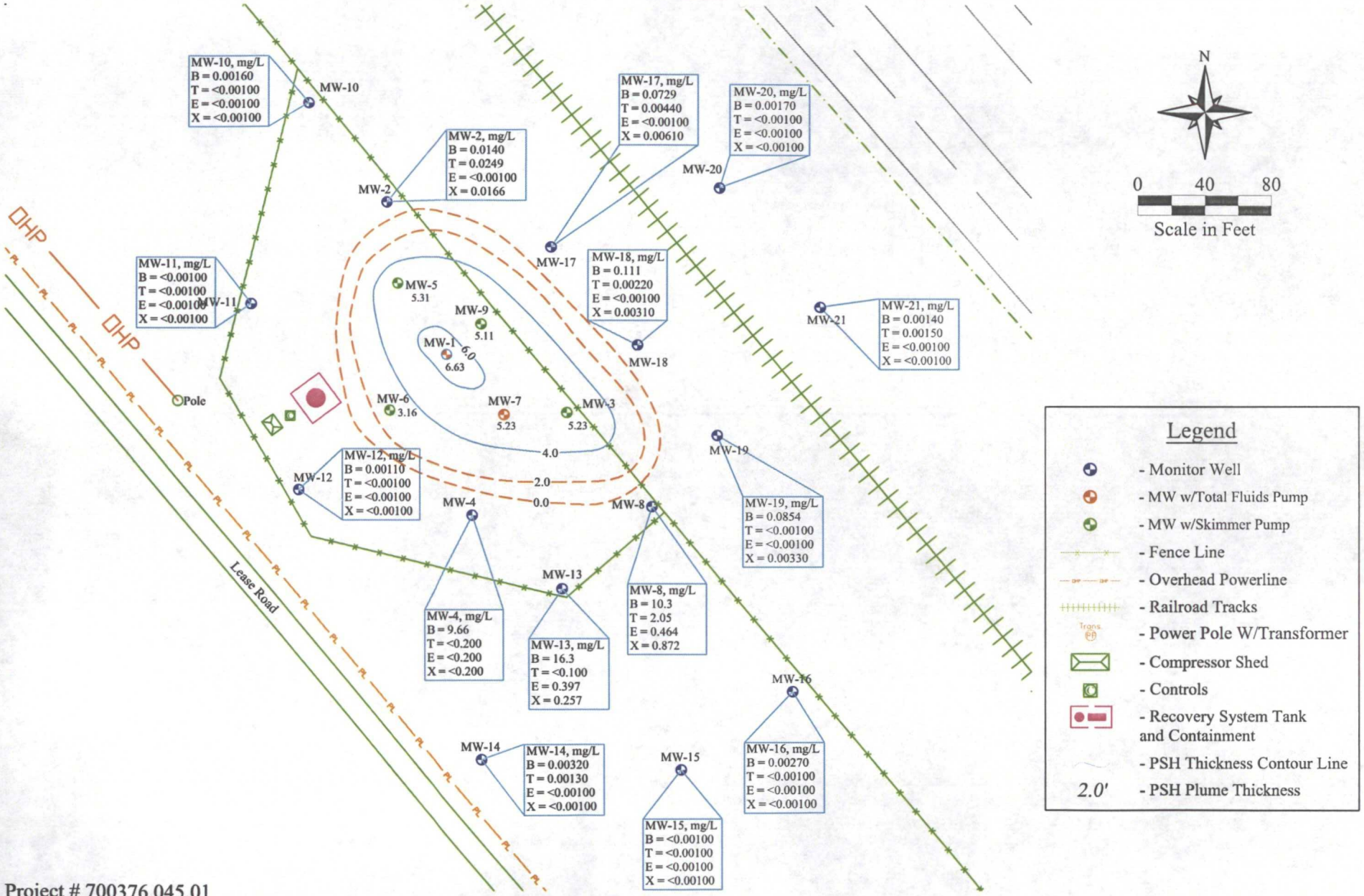


Project # 700376.045.01

TALON LPE

Date:	06/30/2010
Scale:	1" = 80'
Drawn By:	TJS

8" Moore to Jal # 2
SRS # 2002-10273, NMOCD REF. # AP-92
9.2 Miles SE of Lovington, NM, Lea County, New Mexico
Figure 3b - PSH Thickness and Groundwater Concentration Map, 06/16/2010



Project # 700376.045.01

TALON LPE

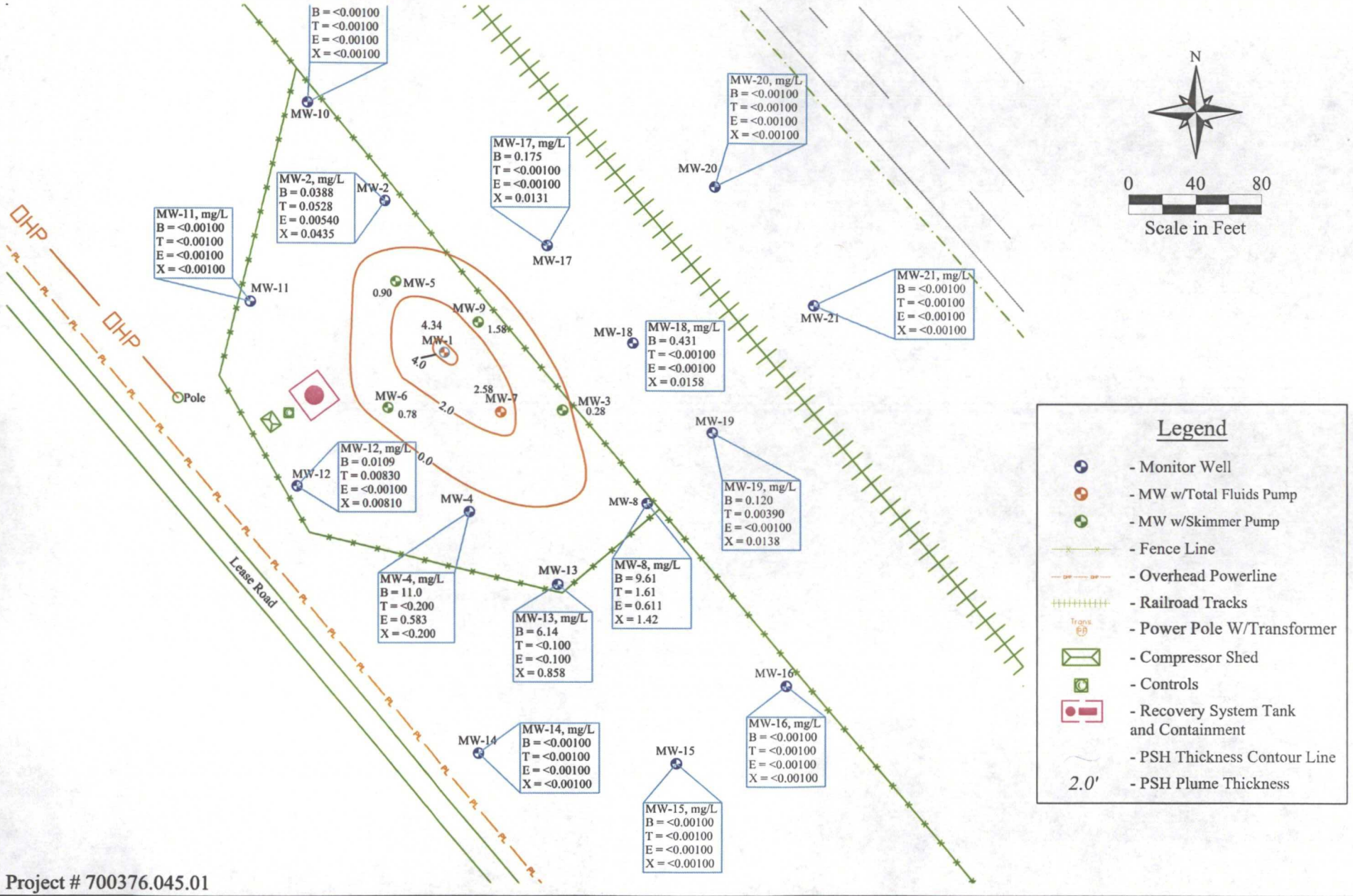
Date:	11/02/2010
Scale:	1" = 80'
Drawn By:	TJS

8" Moore to Jal # 2

SRS # 2002-10273, NMOCD REF. # AP-92

9.2 Miles SE of Lovington, NM, Lea County, New Mexico

Figure 3c - PSH Thickness and Groundwater Concentration Map, 09/28/2010



Project # 700376.045.01

Date:	12/30/2010
Scale:	1" = 80'
Drawn By:	TJS

8" Moore to Jal # 2

SRS # 2002-10273, NMOCD REF. # AP-92

9.2 Miles SE of Lovington, NM, Lea County, New Mexico

Figure 3d - PSH Thickness and Groundwater Concentration Map, 12/23/2010

APPENDIX B

Tables

Table 1 - Summary of Groundwater Elevations and Phase Separated Hydrocarbon (PSH) Thicknesses

Table 2 - Summary of Groundwater Analytical Results

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-1	07/28/04	3767.30	59.01	59.08	0.07	3708.28
MW-1	09/23/04		72.37	79.68	7.31	3693.86
MW-1	10/08/04		72.19	75.79	3.60	3694.58
MW-1	10/14/04		71.76	78.56	6.80	3694.54
MW-1	10/20/04		71.80	78.95	7.15	3694.45
MW-1	10/29/04		71.88	79.20	7.32	3694.34
MW-1	11/04/04		72.00	79.26	7.26	3694.23
MW-1	11/10/04		72.08	79.32	7.24	3694.16
MW-1	11/17/04		72.12	79.33	7.21	3694.12
MW-1	11/24/04		72.22	79.41	7.19	3694.02
MW-1	12/02/04		72.18	79.31	7.13	3694.07
MW-1	12/08/04		72.06	79.14	7.08	3694.20
MW-1	12/15/04		72.09	79.15	7.06	3694.17
MW-1	12/27/04		72.26	79.34	7.08	3694.00
MW-1	12/29/04		72.35	78.84	6.49	3694.00
MW-1	01/06/05		72.27	79.32	7.05	3693.99
MW-1	01/13/05		72.31	79.34	7.03	3693.96
MW-1	01/19/05		72.31	79.37	7.06	3693.95
MW-1	01/26/05		72.34	79.43	7.09	3693.92
MW-1	02/02/05		72.32	79.36	7.04	3693.95
MW-1	02/09/05		72.38	79.39	7.01	3693.89
MW-1	02/16/05		72.35	79.34	6.99	3693.92
MW-1	02/24/05		72.37	79.38	7.01	3693.90
MW-1	03/03/05		72.42	79.40	6.98	3693.85
MW-1	03/11/05		72.29	79.25	6.96	3693.99
MW-1	03/18/05		72.41	79.32	6.91	3693.87
MW-1	03/31/05		72.42	79.34	6.92	3693.86
MW-1	04/07/05		72.47	79.38	6.91	3693.81
MW-1	05/18/05		72.49	79.40	6.91	3693.79
MW-1	05/23/05		72.53	79.40	6.87	3693.76
MW-1	05/26/05		72.56	79.34	6.78	3693.74
MW-1	06/01/05		72.55	79.40	6.85	3693.74
MW-1	06/03/05		72.59	79.20	6.61	3693.74
MW-1	06/07/05		72.56	79.39	6.83	3693.74
MW-1	06/10/05		72.55	79.35	6.80	3693.75
MW-1	06/13/05		72.58	79.53	6.95	3693.70
MW-1	06/16/05		72.58	79.31	6.73	3693.73
MW-1	06/20/05		72.60	79.40	6.80	3693.70
MW-1	06/22/05		72.66	79.27	6.61	3693.67
MW-1	06/29/05		72.61	79.42	6.81	3693.69
MW-1	07/01/05		72.62	79.28	6.66	3693.70
MW-1	07/06/05		72.64	79.44	6.80	3693.66
MW-1	07/08/05		71.69	79.33	7.64	3694.49
MW-1	07/12/05		72.68	79.48	6.80	3693.62
MW-1	07/14/05		72.69	79.35	6.66	3693.63
MW-1	07/19/05		72.68	79.49	6.81	3693.62
MW-1	07/21/05		72.73	79.37	6.64	3693.59
MW-1	07/26/05		72.73	79.74	7.01	3693.54
MW-1	07/28/05		72.75	79.42	6.67	3693.57
MW-1	08/02/05		72.75	79.55	6.80	3693.55

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-1	08/04/05		72.79	79.45	6.66	3693.53
MW-1	08/09/05		72.77	79.56	6.79	3693.53
MW-1	08/11/05		72.81	79.46	6.65	3693.51
MW-1	08/16/05		72.79	79.60	6.81	3693.51
MW-1	08/18/05		72.81	79.47	6.66	3693.51
MW-1	08/24/05		72.82	79.64	6.82	3693.48
MW-1	08/26/05		72.85	79.52	6.67	3693.47
MW-1	08/30/05		72.83	79.63	6.80	3693.47
MW-1	09/01/05		72.83	79.43	6.60	3693.50
MW-1	09/06/05		72.78	79.58	6.80	3693.52
MW-1	09/08/05		72.82	79.45	6.63	3693.51
MW-1	09/13/05		72.81	79.62	6.81	3693.49
MW-1	09/16/05		72.84	79.58	6.74	3693.47
MW-1	09/20/05		72.85	79.62	6.77	3693.45
MW-1	09/23/05		72.88	79.62	6.74	3693.43
MW-1	09/27/05		72.88	79.65	6.77	3693.42
MW-1	09/29/05		72.91	79.57	6.66	3693.41
MW-1	10/04/05		72.91	79.70	6.79	3693.39
MW-1	10/06/05		72.94	79.01	6.07	3693.47
MW-1	10/11/05		72.93	79.71	6.78	3693.37
MW-1	10/13/05		72.95	79.65	6.70	3693.37
MW-1	10/18/05		72.94	79.74	6.80	3693.36
MW-1	10/21/05		72.99	79.76	6.77	3693.31
MW-1	10/26/05		72.96	79.77	6.81	3693.34
MW-1	10/28/05		72.99	79.69	6.70	3693.33
MW-1	11/01/05		73.02	79.80	6.78	3693.28
MW-1	11/04/05		73.03	79.81	6.78	3693.27
MW-1	11/09/05		73.06	79.86	6.80	3693.24
MW-1	11/11/05		73.08	79.87	6.79	3693.22
MW-1	11/16/05		73.09	79.87	6.78	3693.21
MW-1	11/18/05		73.01	79.76	6.75	3693.30
MW-1	11/22/05		73.09	79.88	6.79	3693.21
MW-1	11/30/05		73.11	79.11	6.00	3693.31
MW-1	12/02/05		73.14	79.82	6.68	3693.18
MW-1	12/06/05		73.10	79.88	6.78	3693.20
MW-1	12/14/05		73.14	79.91	6.77	3693.16
MW-1	12/16/05		73.19	79.79	6.60	3693.14
MW-1	12/21/05		73.15	79.94	6.79	3693.15
MW-1	12/23/05		73.23	79.77	6.54	3693.11
MW-1	12/27/05		73.30	79.94	6.64	3693.02
MW-1	12/30/05		73.23	79.93	6.70	3693.09
MW-1	01/03/06		73.23	79.97	6.74	3693.08
MW-1	01/05/06		73.22	79.81	6.59	3693.11
MW-1	01/11/06		73.23	79.97	6.74	3693.08
MW-1	01/13/06		73.32	79.87	6.55	3693.02
MW-1	01/18/06		73.23	79.96	6.73	3693.08
MW-1	01/20/06		73.31	79.91	6.60	3693.02
MW-1	01/24/06		73.25	79.99	6.74	3693.06
MW-1	01/26/06		73.21	79.97	6.76	3693.10
MW-1	02/02/06		73.23	79.97	6.74	3693.08

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-1	02/08/06		73.25	79.95	6.70	3693.07
MW-1	02/10/06		73.23	79.94	6.71	3693.08
MW-1	02/14/06		73.27	80.00	6.73	3693.04
MW-1	02/16/06		73.30	80.03	6.73	3693.01
MW-1	02/21/06		73.30	80.00	6.70	3693.02
MW-1	02/24/06		73.32	80.00	6.68	3693.00
MW-1	02/28/06		73.25	79.95	6.70	3693.07
MW-1	03/03/06		73.27	79.99	6.72	3693.04
MW-1	03/06/06		73.25	78.78	5.53	3693.24
MW-1	03/08/06		73.32	79.81	6.49	3693.03
MW-1	03/15/06		73.34	80.03	6.69	3692.98
MW-1	03/17/06		73.25	79.89	6.64	3693.07
MW-1	03/21/06		73.36	79.95	6.59	3692.97
MW-1	03/28/06		73.35	80.00	6.65	3692.97
MW-1	03/30/06		73.41	79.93	6.52	3692.93
MW-1	04/04/06		73.39	79.97	6.58	3692.94
MW-1	04/07/06		73.38	80.00	6.62	3692.95
MW-1	04/12/06		73.38	80.01	6.63	3692.95
MW-1	04/14/06		73.40	80.00	6.60	3692.93
MW-1	04/18/06		73.35	79.95	6.60	3692.98
MW-1	04/21/06		73.44	80.00	6.56	3692.90
MW-1	04/26/06		73.34	79.95	6.61	3692.99
MW-1	04/28/06		73.43	79.90	6.47	3692.92
MW-1	05/04/06		73.40	80.00	6.60	3692.93
MW-1	05/05/06		73.45	80.00	6.55	3692.89
MW-1	05/10/06		73.50	80.07	6.57	3692.83
MW-1	05/12/06		73.47	80.00	6.53	3692.87
MW-1	05/16/06		73.48	80.05	6.57	3692.85
MW-1	05/18/06		73.50	80.01	6.51	3692.84
MW-1	05/23/06		73.47	80.06	6.59	3692.86
MW-1	05/26/06		73.47	80.05	6.58	3692.86
MW-1	05/30/06		73.50	80.07	6.57	3692.83
MW-1	06/01/06		73.52	80.04	6.52	3692.82
MW-1	06/06/06		73.55	80.13	6.58	3692.78
MW-1	06/09/06		73.53	80.10	6.57	3692.80
MW-1	06/13/06		73.53	80.09	6.56	3692.81
MW-1	06/16/06		73.56	80.10	6.54	3692.78
MW-1	06/20/06		73.56	80.10	6.54	3692.78
MW-1	06/23/06		73.53	80.10	6.57	3692.80
MW-1	06/27/06		73.6	80.15	6.55	3692.74
MW-1	06/30/06		73.59	80.11	6.52	3692.75
MW-1	07/05/06		73.6	80.15	6.55	3692.74
MW-1	07/07/06		73.64	80.02	6.38	3692.72
MW-1	07/11/06		73.63	80.17	6.54	3692.71
MW-1	07/13/06		73.69	80.07	6.38	3692.67
MW-1	07/18/06		73.66	80.19	6.53	3692.68
MW-1	07/21/06		73.65	80.14	6.49	3692.70
MW-1	07/25/06		73.68	80.23	6.55	3692.66
MW-1	07/27/06		73.7	80.10	6.40	3692.66
MW-1	08/01/06		73.71	80.23	6.52	3692.63

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-1	08/03/06		73.75	80.14	6.39	3692.61
MW-1	08/09/06		73.73	80.26	6.53	3692.61
MW-1	08/11/06		73.77	80.17	6.40	3692.59
MW-1	08/15/06		73.77	80.29	6.52	3692.57
MW-1	08/18/06		73.48	80.28	6.80	3692.82
MW-1	08/25/06		73.81	80.32	6.51	3692.53
MW-1	08/30/06		NM	NM		#VALUE!
MW-1	09/12/06		NM	NM		#VALUE!
MW-1	09/15/06		NM	NM		#VALUE!
MW-1	09/20/06		NM	NM		#VALUE!
MW-1	09/26/06		NM	NM		#VALUE!
MW-1	09/29/06		NM	NM		#VALUE!
MW-1	10/04/06		NM	NM		#VALUE!
MW-1	10/06/06		79.04	85.64	6.60	3687.29
MW-1	10/12/06		79.07	85.64	6.57	3687.26
MW-1	10/17/06		79.1	85.65	6.55	3687.24
MW-1	10/20/06		79.6	85.60	6.00	3686.82
MW-1	10/24/06		79.05	85.60	6.55	3687.29
MW-1	10/26/06		79.6	85.64	6.04	3686.81
MW-1	11/22/06		79.18	85.78	6.60	3687.15
MW-1	11/28/06		79.21	85.83	6.62	3687.12
MW-1	12/06/06		79.3	85.87	6.57	3687.03
MW-1	12/08/06		79.6	85.6	6.00	3686.82
MW-1	12/12/06		80.33	88.8	8.47	3685.72
MW-1	12/15/06		79.28	85.79	6.51	3687.06
MW-1	12/20/06		78.78	78.88	0.10	3688.51
MW-1	12/22/06		79.34	85.87	6.53	3687.00
MW-1	12/27/06		79.35	85.92	6.57	3686.98
MW-1	01/03/07		79.38	85.97	6.59	3686.95
MW-1	01/05/07		79.38	85.91	6.53	3686.96
MW-1	01/12/07		79.46	86.04	6.58	3686.87
MW-1	01/15/07		79.46	85.92	6.46	3686.89
MW-1	01/18/07		79.43	85.96	6.53	3686.91
MW-1	01/31/07		79.4	86	6.60	3686.93
MW-1	02/07/07		79.3	85.85	6.55	3687.04
MW-1	02/09/07		79.5	85.85	6.35	3686.87
MW-1	02/13/07		79.48	85.96	6.48	3686.87
MW-1	02/16/07		79.44	85.91	6.47	3686.91
MW-1	02/19/07		79.41	85.86	6.45	3686.94
MW-1	02/21/07		79.5	85.67	6.17	3686.89
MW-1	02/26/07		79.5	85.97	6.47	3686.85
MW-1	03/01/07		79.47	85.87	6.40	3686.89
MW-1	03/06/07		79.41	85.89	6.48	3686.94
MW-1	03/09/07		79.47	85.94	6.47	3686.88
MW-1	03/13/07		79.46	85.97	6.51	3686.88
MW-1	03/23/07		79.49	85.96	6.47	3686.86
MW-1	03/27/07		79.48	85.98	6.50	3686.86
MW-1	03/29/07		79.38	85.87	6.49	3686.97
MW-1	04/06/07		79.52	86.03	6.51	3686.82
MW-1	04/11/07		79.5	86.01	6.51	3686.84

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-1	04/17/07		79.51	86.03	6.52	3686.83
MW-1	04/19/07		79.55	85.79	6.24	3686.83
MW-1	04/24/07		79.49	85.95	6.46	3686.86
MW-1	05/01/07		79.51	86.02	6.51	3686.83
MW-1	05/21/07		79.51	86.02	6.51	3686.83
MW-1	05/24/07		79.61	86.11	6.50	3686.73
MW-1	06/19/07		79.65	86.18	6.53	3686.69
MW-1	06/28/07		79.68	86.22	6.54	3686.66
MW-1	08/07/07		79.61	86.16	6.55	3686.73
MW-1	08/17/07		79.67	86.21	6.54	3686.67
MW-1	08/23/07		79.67	86.18	6.51	3686.67
MW-1	08/31/07		79.71	86.22	6.51	3686.63
MW-1	09/20/07		79.76	86.31	6.55	3686.58
MW-1	09/21/07		79.79	86.36	6.57	3686.54
MW-1	10/11/07		79.82	86.39	6.57	3686.51
MW-1	10/18/07		79.86	86.38	6.52	3686.48
MW-1	11/27/07		79.99	86.64	6.65	3686.33
MW-1	12/17/07	3773.35	80.04	86.70	6.66	3692.21
MW-1	12/28/07		80.11	86.79	6.68	3692.14
MW-1	12/31/07		80.14	86.83	6.69	3692.11
MW-1	03/05/08		80.26	86.97	6.71	3691.98
MW-1	03/26/08		80.33	87.04	6.71	3691.91
MW-1	04/24/08		80.45	87.19	6.74	3691.79
MW-1	05/05/08		80.48	87.22	6.74	3691.76
MW-1	05/23/08		80.61	87.38	6.77	3691.62
MW-1	06/30/08		80.88	87.72	6.84	3691.34
MW-1	07/03/08		80.94	87.78	6.84	3691.28
MW-1	07/16/08		81.02	87.81	6.79	3691.21
MW-1	07/23/08		81.09	87.84	6.75	3691.15
MW-1	08/01/08		81.19	87.94	6.75	3691.05
MW-1	08/05/08		81.22	87.84	6.62	3691.04
MW-1	08/28/08		80.72	87.44	6.72	3691.52
MW-1	09/18/08		80.78	87.15	6.37	3691.52
MW-1	10/29/08		81.05	87.14	6.09	3691.30
MW-1	12/17/08		81.16	87.63	6.47	3691.12
MW-1	02/03/09		81.29	87.78	6.49	3690.99
MW-1	06/23/09		81.68	87.34	5.66	3690.74
MW-1	09/02/09		81.97	87.53	5.56	3690.46
MW-1	11/11/09		82.54	87.22	4.68	3690.04
MW-1	02/18/10		83.03	88.30	5.27	3689.45
MW-1	06/16/10		83.25	89.17	5.92	3689.12
MW-1	09/28/10		82.67	89.30	6.63	3689.59
MW-1	12/23/10		83.98	88.32	4.34	3688.68
MW-2	10/29/04	3771.04		76.67	76.67	3758.39
MW-2	11/04/04			76.79	76.79	3758.37
MW-2	11/10/04			76.84	76.84	3758.36
MW-2	11/17/04			76.89	76.89	3758.35
MW-2	11/24/04			76.97	76.97	3758.34
MW-2	12/02/04			76.91	76.91	3758.35

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-2	12/08/04			76.79	76.79	3758.37
MW-2	12/15/04			76.81	76.81	3758.37
MW-2	12/27/04			77.00	77.00	3758.34
MW-2	12/29/04			77.01	77.01	3758.33
MW-2	01/06/05			77.02	77.02	3758.33
MW-2	01/13/05			77.09	77.09	3758.32
MW-2	01/19/05			77.06	77.06	3758.33
MW-2	01/26/05			77.09	77.09	3758.32
MW-2	02/02/05			78.08	78.08	3758.16
MW-2	02/09/05			77.13	77.13	3758.31
MW-2	02/16/05			77.09	77.09	3758.32
MW-2	02/24/05			77.11	77.11	3758.32
MW-2	03/03/05			77.15	77.15	3758.31
MW-2	03/11/05			77.10	77.10	3758.32
MW-2	03/18/05			77.11	77.11	3758.32
MW-2	03/31/05			77.14	77.14	3758.31
MW-2	04/07/05			77.17	77.17	3758.31
MW-2	05/18/05			79.40	79.40	3757.94
MW-2	05/23/05			79.40	79.40	3757.94
MW-2	06/01/05			77.22	77.22	3758.30
MW-2	06/03/05			77.25	77.25	3758.29
MW-2	06/07/05			77.25	77.25	3758.29
MW-2	06/10/05			77.24	77.24	3758.30
MW-2	06/13/05			77.27	77.27	3758.29
MW-2	06/16/05			77.25	77.25	3758.29
MW-2	06/20/05			77.29	77.29	3758.29
MW-2	06/22/05			77.29	77.29	3758.29
MW-2	06/29/05			77.29	77.29	3758.29
MW-2	07/01/05			77.30	77.30	3758.29
MW-2	07/06/05			77.31	77.31	3758.28
MW-2	07/08/05			77.32	77.32	3758.28
MW-2	07/12/05			77.34	77.34	3758.28
MW-2	07/14/05			77.33	77.33	3758.28
MW-2	07/19/05			77.36	77.36	3758.28
MW-2	07/21/05			77.38	77.38	3758.27
MW-2	07/26/05			77.40	77.40	3758.27
MW-2	07/28/05			77.40	77.40	3758.27
MW-2	08/02/05			77.42	77.42	3758.27
MW-2	08/04/05			77.43	77.43	3758.26
MW-2	08/09/05			77.44	77.44	3758.26
MW-2	08/11/05			77.45	77.45	3758.26
MW-2	08/16/05			77.47	77.47	3758.26
MW-2	08/18/05			77.47	77.47	3758.26
MW-2	08/24/05			77.50	77.50	3758.25
MW-2	08/26/05			77.50	77.50	3758.25
MW-2	08/30/05			77.47	77.47	3758.26
MW-2	09/01/05			77.44	77.44	3758.26
MW-2	09/06/05			77.44	77.44	3758.26
MW-2	09/08/05			77.44	77.44	3758.26
MW-2	09/13/05			77.47	77.47	3758.26

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-2	09/16/05			77.50	77.50	3758.25
MW-2	09/20/05			77.52	77.52	3758.25
MW-2	09/23/05			77.52	77.52	3758.25
MW-2	09/27/05			77.54	77.54	3758.25
MW-2	09/29/05			77.56	77.56	3758.24
MW-2	10/04/05			77.57	77.57	3758.24
MW-2	10/06/05			77.60	77.60	3758.24
MW-2	10/11/05			77.60	77.60	3758.24
MW-2	10/13/05			77.61	77.61	3758.23
MW-2	10/18/05			77.61	77.61	3758.23
MW-2	10/21/05			77.65	77.65	3758.23
MW-2	10/26/05			77.63	77.63	3758.23
MW-2	10/28/05			77.64	77.64	3758.23
MW-2	11/01/05			77.69	77.69	3758.22
MW-2	11/04/05			77.69	77.69	3758.22
MW-2	11/09/05			77.73	77.73	3758.21
MW-2	11/11/05			77.73	77.73	3758.21
MW-2	11/16/05			77.28	77.28	3758.29
MW-2	11/18/05			77.78	77.78	3758.21
MW-2	11/22/05			77.77	77.77	3758.21
MW-2	11/30/05			77.80	77.80	3758.20
MW-2	12/02/05			77.79	77.79	3758.20
MW-2	12/06/05			77.88	77.88	3758.19
MW-2	12/14/05			77.83	77.83	3758.20
MW-2	12/16/05			77.81	77.81	3758.20
MW-2	12/21/05			77.81	77.81	3758.20
MW-2	12/23/05			77.85	77.85	3758.19
MW-2	12/27/05			77.85	77.85	3758.19
MW-2	12/30/05			77.71	77.71	3758.22
MW-2	01/03/06			77.90	77.90	3758.19
MW-2	01/05/06			77.87	77.87	3758.19
MW-2	01/11/06			77.91	77.91	3758.18
MW-2	01/13/06			77.86	77.86	3758.19
MW-2	01/18/06			77.90	77.90	3758.19
MW-2	01/20/06			77.91	77.91	3758.18
MW-2	01/24/06			78.92	78.92	3758.02
MW-2	01/26/06			78.90	78.90	3758.02
MW-2	02/02/06			77.87	77.87	3758.19
MW-2	02/08/06			77.91	77.91	3758.18
MW-2	02/10/06			77.90	77.90	3758.19
MW-2	02/14/06			77.93	77.93	3758.18
MW-2	02/16/06			77.94	77.94	3758.18
MW-2	02/21/06			77.95	77.95	3758.18
MW-2	02/24/06			77.95	77.95	3758.18
MW-2	02/28/06			77.93	77.93	3758.18
MW-2	03/03/06			77.92	77.92	3758.18
MW-2	03/06/06			77.90	77.90	3758.19
MW-2	03/08/06			77.95	77.95	3758.18
MW-2	03/15/06			77.98	77.98	3758.17
MW-2	03/17/06			78.08	78.08	3758.16

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-2	03/21/06			77.95	77.95	3758.18
MW-2	03/23/06			77.86	77.86	3758.19
MW-2	03/28/06			77.89	77.89	3758.19
MW-2	03/30/06			77.86	77.86	3758.19
MW-2	04/04/06			77.94	77.94	3758.18
MW-2	04/07/06			78.00	78.00	3758.17
MW-2	04/12/06			78.00	78.00	3758.17
MW-2	04/14/06			78.01	78.01	3758.17
MW-2	04/18/06			77.99	77.99	3758.17
MW-2	04/21/06			78.04	78.04	3758.16
MW-2	04/26/06			78.00	78.00	3758.17
MW-2	04/28/06			78.04	78.04	3758.16
MW-2	05/04/06			78.04	78.04	3758.16
MW-2	05/05/06			78.05	78.05	3758.16
MW-2	05/10/06			78.10	78.10	3758.15
MW-2	05/12/06			78.08	78.08	3758.16
MW-2	05/16/06			78.08	78.08	3758.16
MW-2	05/18/06			78.09	78.09	3758.16
MW-2	05/23/06			78.10	78.10	3758.15
MW-2	05/26/06			78.10	78.10	3758.15
MW-2	05/30/06			78.13	78.13	3758.15
MW-2	06/01/06			78.13	78.13	3758.15
MW-2	06/06/06			78.15	78.15	3758.15
MW-2	06/09/06			78.13	78.13	3758.15
MW-2	06/13/06			78.15	78.15	3758.15
MW-2	06/16/06			78.17	78.17	3758.14
MW-2	06/20/06			78.17	78.17	3758.14
MW-2	06/23/06			78.15	78.15	3758.15
MW-2	06/27/06			78.20	78.20	3758.14
MW-2	06/30/06			78.19	78.19	3758.14
MW-2	07/05/06			78.21	78.21	3758.14
MW-2	07/07/06			78.22	78.22	3758.13
MW-2	07/11/06			78.24	78.24	3758.13
MW-2	07/13/06			78.25	78.25	3758.13
MW-2	07/18/06			78.26	78.26	3758.13
MW-2	07/21/06			78.25	78.25	3758.13
MW-2	07/25/06			78.29	78.29	3758.12
MW-2	07/27/06			78.30	78.30	3758.12
MW-2	08/01/06			78.34	78.34	3758.11
MW-2	08/03/06			78.36	78.36	3758.11
MW-2	08/09/06			78.35	78.35	3758.11
MW-2	08/11/06			78.36	78.36	3758.11
MW-2	08/15/06			78.38	78.38	3758.11
MW-2	08/18/06			78.40	78.40	3758.10
MW-2	08/25/06			78.43	78.43	3758.10
MW-2	08/30/06			78.45	78.45	3758.10
MW-2	09/12/06		78.47	78.52	0.05	3692.56
MW-2	09/15/06		78.48	78.55	0.07	3692.55
MW-2	09/20/06		78.46	78.58	0.12	3692.56
MW-2	09/26/06		78.49	78.65	0.16	3692.52

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-2	09/29/06		78.52	78.68	0.16	3692.49
MW-2	10/04/06		N.D.	78.53		3692.51
MW-2	10/06/06		78.54	79.74	1.20	3692.30
MW-2	10/12/06		78.56	78.77	0.21	3692.45
MW-2	10/17/06		78.59	78.79	0.20	3692.42
MW-2	10/20/06		78.57	78.78	0.21	3692.44
MW-2	10/24/06		78.50	78.75	0.25	3692.50
MW-2	10/26/06		78.56	78.78	0.22	3692.44
MW-2	11/22/06		78.71	78.85	0.14	3692.31
MW-2	11/28/06		78.73	78.87	0.14	3692.29
MW-2	12/06/06		78.81	78.91	0.10	3692.21
MW-2	12/08/06		78.57	78.78	0.21	3692.44
MW-2	12/12/06		0.00	78.73	78.73	3758.05
MW-2	12/15/06		78.78	78.98	0.20	3692.23
MW-2	12/20/06		79.28	85.81	6.53	3690.68
MW-2	12/22/06		78.82	79.91	1.09	3692.04
MW-2	12/27/06		78.84	78.96	0.12	3692.18
MW-2	01/03/07		78.88	78.98	0.10	3692.14
MW-2	01/05/07		78.89	78.96	0.07	3692.14
MW-2	01/12/07		78.92	79.02	0.10	3692.10
MW-2	01/15/07		78.92	79.04	0.12	3692.10
MW-2	01/18/07		78.90	79.02	0.12	3692.12
MW-2	01/31/07		78.90	78.98	0.08	3692.13
MW-2	02/07/07		78.81	78.92	0.11	3692.21
MW-2	02/09/07		78.97	79.09	0.12	3692.05
MW-2	02/13/07		78.97	79.08	0.11	3692.05
MW-2	02/16/07		78.91	79.05	0.14	3692.11
MW-2	02/19/07		78.96	79.05	0.09	3692.07
MW-2	02/21/07		78.97	79.09	0.12	3692.05
MW-2	02/26/07		78.98	79.15	0.17	3692.03
MW-2	03/01/07		78.97	79.09	0.12	3692.05
MW-2	03/06/07		78.94	79.04	0.10	3692.08
MW-2	03/09/07		78.97	79.11	0.14	3692.05
MW-2	03/13/07		78.96	85.97	7.01	3690.92
MW-2	03/23/07		78.98	79.15	0.17	3692.03
MW-2	03/27/07		78.97	79.15	0.18	3692.04
MW-2	04/06/07		79.03	79.15	0.12	3691.99
MW-2	04/11/07		79.03	79.17	0.14	3691.99
MW-2	04/17/07		79.03	79.18	0.15	3691.99
MW-2	04/19/07		79.02	79.18	0.16	3691.99
MW-2	04/24/07		79.01	79.12	0.11	3692.01
MW-2	05/01/07		79.07	79.27	0.20	3691.94
MW-2	05/21/07		79.10	79.25	0.15	3691.92
MW-2	05/24/07		79.11	79.13	0.02	3691.93
MW-2	06/19/07		79.18	79.45	0.27	3691.82
MW-2	06/28/07		79.22	79.40	0.18	3691.79
MW-2	08/07/07		79.12	79.36	0.24	3691.88
MW-2	08/17/07		79.24	79.45	0.21	3691.77
MW-2	08/23/07		79.22	79.48	0.26	3691.78
MW-2	08/31/07		79.25	79.52	0.27	3691.75

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-2	09/20/07		79.32	79.61	0.29	3691.67
MW-2	09/21/07		79.36	79.66	0.30	3691.63
MW-2	10/11/07		79.34	79.60	0.26	3691.66
MW-2	10/18/07		79.40	79.68	0.28	3691.59
MW-2	11/27/07		79.52	79.79	0.27	3691.48
MW-2	12/17/07	3772.07	79.56	79.85	0.29	3692.46
MW-2	12/28/07		79.66	79.96	0.30	3692.36
MW-2	12/31/07		79.69	79.98	0.29	3692.33
MW-2	03/05/08		79.83	79.99	0.16	3692.21
MW-2	03/24/08		79.87	79.98	0.11	3692.18
MW-2	03/26/08		79.91	80.01	0.10	3692.14
MW-2	04/24/08		80.04	80.16	0.12	3692.01
MW-2	05/05/08		80.05	80.16	0.11	3692.00
MW-2	05/23/08		80.18	80.29	0.11	3691.87
MW-2	06/30/08		80.47	80.57	0.10	3691.58
MW-2	07/03/08		80.51	80.86	0.35	3691.50
MW-2	07/16/08		80.61	80.65	0.04	3691.45
MW-2	07/23/08			80.66	0.00	3691.41
MW-2	08/01/08			80.78	0.00	3691.29
MW-2	08/05/08			80.79	0.00	3691.28
MW-2	08/28/08		80.30	80.31	0.01	3691.77
MW-2	09/18/08		80.35	80.36	0.01	3691.72
MW-2	10/29/08			80.48		3691.59
MW-2	12/17/08			80.69		3691.38
MW-2	02/03/09			80.80		3691.27
MW-2	06/23/09			81.06		3691.01
MW-2	09/02/09			81.37		3690.70
MW-2	11/11/09			81.59		3690.48
MW-2	02/18/10			81.97		3690.10
MW-2	06/16/10			82.22		3689.85
MW-2	09/28/10			82.80		3689.27
MW-2	12/23/10			83.05		3689.02
MW-3	10/29/04	3771.94		78.18	0.00	3693.76
MW-3	11/04/04			78.26	0.00	3693.68
MW-3	11/10/04			78.30	0.00	3693.64
MW-3	11/17/04			78.33	0.00	3693.61
MW-3	11/24/04			78.41	0.00	3693.53
MW-3	12/02/04			78.37	0.00	3693.57
MW-3	12/08/04			78.30	0.00	3693.64
MW-3	12/15/04			78.26	0.00	3693.68
MW-3	12/27/04			78.42	0.00	3693.52
MW-3	12/29/04			78.42	0.00	3693.52
MW-3	01/06/05			78.44	0.00	3693.50
MW-3	01/13/05			78.48	0.00	3693.46
MW-3	01/19/05			78.45	0.00	3693.49
MW-3	01/26/05			78.50	0.00	3693.44
MW-3	02/02/05			78.55	0.00	3693.39
MW-3	02/09/05			78.52	0.00	3693.42
MW-3	02/16/05			78.48	0.00	3693.46

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-3	02/24/05			78.48	0.00	3693.46
MW-3	03/03/05			78.54	0.00	3693.40
MW-3	03/11/05			78.53	0.00	3693.41
MW-3	03/18/05			78.51	0.00	3693.43
MW-3	03/31/05			78.56	0.00	3693.38
MW-3	04/07/05			78.54	0.00	3693.40
MW-3	05/18/05			79.40	0.00	3692.54
MW-3	05/23/05			79.40	0.00	3692.54
MW-3	06/01/05			78.66	0.00	3693.28
MW-3	06/03/05			78.65	0.00	3693.29
MW-3	06/07/05			78.67	0.00	3693.27
MW-3	06/10/05			78.60	0.00	3693.34
MW-3	06/13/05			78.61	0.00	3693.33
MW-3	06/16/05			78.61	0.00	3693.33
MW-3	06/20/05			78.66	0.00	3693.28
MW-3	06/22/05			78.66	0.00	3693.28
MW-3	06/29/05			78.64	0.00	3693.30
MW-3	07/01/05			78.67	0.00	3693.27
MW-3	07/06/05			78.68	0.00	3693.26
MW-3	07/08/05			78.70	0.00	3693.24
MW-3	07/12/05			78.72	0.00	3693.22
MW-3	07/14/05			78.71	0.00	3693.23
MW-3	07/19/05			78.73	0.00	3693.21
MW-3	07/21/05			78.75	0.00	3693.19
MW-3	07/26/05			78.78	0.00	3693.16
MW-3	07/28/05			78.78	0.00	3693.16
MW-3	08/02/05			78.78	0.00	3693.16
MW-3	08/04/05			78.80	0.00	3693.14
MW-3	08/09/05			78.80	0.00	3693.14
MW-3	08/11/05			78.81	0.00	3693.13
MW-3	08/16/05			78.84	0.00	3693.10
MW-3	08/18/05			78.83	0.00	3693.11
MW-3	08/24/05			78.86	0.00	3693.08
MW-3	08/26/05			78.86	0.00	3693.08
MW-3	08/30/05			78.87	0.00	3693.07
MW-3	09/01/05			78.87	0.00	3693.07
MW-3	09/06/05			78.85	0.00	3693.09
MW-3	09/08/05			78.86	0.00	3693.08
MW-3	09/13/05			78.87	0.00	3693.07
MW-3	09/16/05		78.89	78.91	0.02	3693.05
MW-3	09/20/05		78.90	78.94	0.04	3693.03
MW-3	09/23/05		78.91	78.96	0.05	3693.02
MW-3	09/27/05		78.90	79.00	0.10	3693.02
MW-3	09/29/05		78.92	79.02	0.10	3693.00
MW-3	10/04/05		78.94	79.04	0.10	3692.98
MW-3	10/06/05		78.95	79.09	0.14	3692.97
MW-3	10/11/05		78.96	79.10	0.14	3692.96
MW-3	10/13/05		78.97	79.12	0.15	3692.95
MW-3	10/18/05		78.97	79.13	0.16	3692.94
MW-3	10/21/05		79.01	79.19	0.18	3692.90

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-3	10/26/05		78.99	79.17	0.18	3692.92
MW-3	10/28/05		79.00	79.19	0.19	3692.91
MW-3	11/01/05		79.03	79.27	0.24	3692.87
MW-3	11/04/05		79.03	79.28	0.25	3692.87
MW-3	11/09/05		79.07	79.35	0.28	3692.82
MW-3	11/11/05		79.07	79.35	0.28	3692.82
MW-3	11/16/05		79.08	79.41	0.33	3692.81
MW-3	11/18/05		79.09	79.42	0.33	3692.80
MW-3	11/22/05		79.08	79.43	0.35	3692.80
MW-3	11/30/05		79.10	79.51	0.41	3692.77
MW-3	12/02/05		79.10	79.50	0.40	3692.77
MW-3	12/06/05		79.08	79.51	0.43	3692.79
MW-3	12/14/05		79.11	79.62	0.51	3692.75
MW-3	12/16/05		79.11	79.62	0.51	3692.75
MW-3	12/21/05		79.11	79.62	0.51	3692.75
MW-3	12/23/05		79.12	79.75	0.63	3692.72
MW-3	12/27/05		79.12	79.75	0.63	3692.72
MW-3	12/30/05		79.15	79.86	0.71	3692.67
MW-3	01/03/06		79.13	79.93	0.80	3692.68
MW-3	01/05/06		79.11	79.91	0.80	3692.70
MW-3	01/11/06		79.10	80.08	0.98	3692.68
MW-3	01/13/06		79.11	79.91	0.80	3692.70
MW-3	01/18/06		79.06	80.27	1.21	3692.68
MW-3	01/20/06		79.08	80.35	1.27	3692.65
MW-3	01/24/06		79.05	80.47	1.42	3692.66
MW-3	01/26/06		79.03	80.46	1.43	3692.67
MW-3	02/02/06		79.00	80.69	1.69	3692.66
MW-3	02/08/06		78.99	80.50	1.51	3692.70
MW-3	02/10/06		78.97	80.48	1.51	3692.72
MW-3	02/14/06		79.26	79.36	0.10	3692.66
MW-3	02/16/06		79.22	79.37	0.15	3692.70
MW-3	02/21/06		79.24	79.71	0.47	3692.62
MW-3	02/24/06		79.25	79.55	0.30	3692.64
MW-3	02/28/06		79.27	79.55	0.28	3692.62
MW-3	03/03/06		79.21	79.55	0.34	3692.67
MW-3	03/06/06		79.25	79.55	0.30	3692.64
MW-3	03/08/06		79.25	79.49	0.24	3692.65
MW-3	03/15/06		79.23	79.92	0.69	3692.60
MW-3	03/17/06		79.21	80.02	0.81	3692.60
MW-3	03/21/06		79.14	81.00	1.86	3692.49
MW-3	03/23/06		79.08	79.88	0.80	3692.73
MW-3	03/28/06		79.15	80.20	1.05	3692.62
MW-3	03/30/06		79.20	80.22	1.02	3692.57
MW-3	04/04/06		79.17	80.24	1.07	3692.59
MW-3	04/07/06		79.13	80.48	1.35	3692.59
MW-3	04/12/06		79.07	80.82	1.75	3692.58
MW-3	04/14/06		79.07	80.90	1.83	3692.57
MW-3	04/18/06		79.00	81.13	2.13	3692.59
MW-3	04/21/06		79.02	81.32	2.30	3692.54
MW-3	04/26/06		78.91	81.53	2.62	3692.60

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-3	04/28/06		78.92	81.65	2.73	3692.57
MW-3	05/04/06		78.88	81.82	2.94	3692.57
MW-3	05/05/06		78.89	82.00	3.11	3692.54
MW-3	05/10/06		78.60	82.31	3.71	3692.73
MW-3	05/12/06		78.60	82.31	3.71	3692.73
MW-3	05/16/06		79.15	80.90	1.75	3692.50
MW-3	05/18/06		79.12	81.07	1.95	3692.50
MW-3	05/23/06		79.07	81.46	2.39	3692.48
MW-3	05/26/06		79.09	81.20	2.11	3692.50
MW-3	05/30/06		79.04	81.59	2.55	3692.48
MW-3	06/01/06		79.03	80.53	1.50	3692.66
MW-3	06/06/06		79.23	80.98	1.75	3692.42
MW-3	06/09/06		79.18	81.10	1.92	3692.44
MW-3	06/13/06		79.12	81.20	2.08	3692.48
MW-3	06/16/06		78.11	81.58	3.47	3693.26
MW-3	06/20/06		79.07	81.78	2.71	3692.42
MW-3	06/23/06		79.03	81.89	2.86	3692.44
MW-3	06/27/06		79.02	82.18	3.16	3692.40
MW-3	06/30/06		79.00	82.23	3.23	3692.41
MW-3	07/05/06		79.98	82.46	2.48	3691.55
MW-3	07/07/06		78.97	82.57	3.60	3692.38
MW-3	07/11/06		78.97	82.72	3.75	3692.35
MW-3	07/13/06		78.86	82.80	3.94	3692.43
MW-3	07/18/06		78.94	82.95	4.01	3692.34
MW-3	07/21/06		78.73	82.99	4.26	3692.51
MW-3	07/25/06		78.93	83.11	4.18	3692.32
MW-3	07/27/06		78.92	83.14	4.22	3692.32
MW-3	08/01/06		78.94	83.27	4.33	3692.29
MW-3	08/03/06		78.95	83.30	4.35	3692.27
MW-3	08/09/06		78.95	83.37	4.42	3692.26
MW-3	08/11/06		78.96	83.37	4.41	3692.25
MW-3	08/15/06		78.98	83.45	4.47	3692.22
MW-3	08/18/06		78.98	83.47	4.49	3692.22
MW-3	08/25/06		79.00	83.55	4.55	3692.19
MW-3	08/30/06		79.02	83.61	4.59	3692.16
MW-3	09/12/06		79.16	83.71	4.55	3692.03
MW-3	09/15/06		79.04	83.72	4.68	3692.13
MW-3	09/20/06		79.05	83.75	4.70	3692.11
MW-3	09/26/06		79.09	83.80	4.71	3692.07
MW-3	09/29/06		79.10	83.81	4.71	3692.06
MW-3	10/04/06		79.13	83.94	4.81	3692.02
MW-3	10/06/06		79.47	82.28	2.81	3692.01
MW-3	10/12/06		79.55	82.04	2.49	3691.98
MW-3	10/17/06		79.54	82.11	2.57	3691.98
MW-3	10/20/06		79.52	82.29	2.77	3691.96
MW-3	10/24/06		79.54	82.10	2.56	3691.98
MW-3	10/26/06		79.58	82.29	2.71	3691.91
MW-3	11/22/06		79.72	82.07	2.35	3691.83
MW-3	11/28/06		79.92	81.27	1.35	3691.80
MW-3	12/06/06		80.08	81.03	0.95	3691.70

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-3	12/08/06		79.52	82.29	2.77	3691.96
MW-3	12/12/06		80.06	82.45	2.39	3691.49
MW-3	12/15/06		80.04	81.03	0.99	3691.74
MW-3	12/20/06		79.98	81.29	1.31	3691.74
MW-3	12/22/06		79.98	81.46	1.48	3691.72
MW-3	12/27/06		79.94	81.82	1.88	3691.69
MW-3	01/03/07		80.15	80.94	0.79	3691.66
MW-3	01/05/07		80.12	81.02	0.90	3691.67
MW-3	01/12/07		80.08	81.38	1.30	3691.65
MW-3	01/15/07		80.26	80.70	0.44	3691.61
MW-3	01/18/07		80.22	80.80	0.58	3691.62
MW-3	01/31/07		80.24	81.18	0.94	3691.54
MW-3	02/07/07		79.97	81.45	1.48	3691.73
MW-3	02/09/07		80.33	80.60	0.27	3691.57
MW-3	02/13/07		80.29	80.81	0.52	3691.56
MW-3	02/16/07		80.23	80.91	0.68	3691.60
MW-3	02/19/07		80.19	81.09	0.90	3691.60
MW-3	02/21/07		80.19	81.12	0.93	3691.60
MW-3	02/26/07		80.20	81.43	1.23	3691.54
MW-3	03/01/07		80.15	81.56	1.41	3691.56
MW-3	03/06/07		80.02	81.71	1.69	3691.64
MW-3	03/09/07		80.07	81.62	1.55	3691.61
MW-3	03/13/07		80.03	82.07	2.04	3691.57
MW-3	03/23/07		80.04	82.17	2.13	3691.55
MW-3	03/27/07	3772.86	80.01	82.42	2.41	3692.45
MW-3	04/06/07		79.96	82.83	2.87	3692.43
MW-3	04/11/07		79.90	83.01	3.11	3692.45
MW-3	04/17/07		79.90	83.11	3.21	3692.43
MW-3	04/19/07		79.89	83.17	3.28	3692.43
MW-3	04/24/07		79.87	82.25	2.38	3692.60
MW-3	05/01/07		79.81	83.87	4.06	3692.38
MW-3	05/21/07		79.85	83.75	3.90	3692.37
MW-3	05/24/07		79.86	81.57	1.71	3692.72
MW-3	06/19/07		79.80	84.12	4.32	3692.35
MW-3	06/28/07		79.92	84.16	4.24	3692.24
MW-3	08/07/07		79.84	84.04	4.20	3692.33
MW-3	08/17/07		80.13	82.71	2.58	3692.30
MW-3	08/23/07		80.35	82.83	2.48	3692.10
MW-3	08/31/07		80.56	81.57	1.01	3692.13
MW-3	09/20/07		80.37	82.33	1.96	3692.17
MW-3	09/21/07		80.38	82.37	1.99	3692.15
MW-3	10/11/07		80.51	82.10	1.59	3692.09
MW-3	10/18/07		80.71	81.29	0.58	3692.05
MW-3	11/27/07		80.51	82.96	2.45	3691.95
MW-3	12/17/07		80.56	83.40	2.84	3691.83
MW-3	12/28/07		80.61	83.87	3.26	3691.71
MW-3	12/31/07		80.67	83.09	2.42	3691.79
MW-3	03/05/08		80.65	84.00	3.35	3691.66
MW-3	03/24/08		80.81	83.28	2.47	3691.64
MW-3	03/26/08		80.89	83.33	2.44	3691.57

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-3	04/24/08		80.92	83.97	3.05	3691.44
MW-3	05/05/08		80.91	84.04	3.13	3691.43
MW-3	05/23/08		81.01	84.38	3.37	3691.29
MW-3	06/30/08		81.25	NM		
MW-3	07/03/08		80.31	NM		
MW-3	07/16/08		81.67	83.62	1.95	3690.87
MW-3	07/23/08		81.88	83.10	1.22	3690.78
MW-3	08/01/08		82.09	82.45	0.36	3690.71
MW-3	08/28/08		81.56	82.17	0.61	3691.20
MW-3	09/18/08		81.75	82.30	0.55	3691.02
MW-3	10/29/08		81.75	82.52	0.77	3690.98
MW-3	12/17/08		82.07	82.18	0.11	3690.77
MW-3	02/03/09		82.16	82.42	0.26	3690.66
MW-3	06/23/09		82.45	82.54	0.09	3690.40
MW-3	09/02/09		82.75	82.81	0.06	3690.10
MW-3	11/11/09		83.13	83.15	0.02	3689.73
MW-3	02/18/10		83.79	83.81	0.02	3689.07
MW-3	06/16/10		83.97	84.51	0.54	3688.80
MW-3	09/28/10		83.22	88.45	5.23	3688.78
MW-3	12/23/10		84.50	84.78	0.28	3688.32
MW-4	10/29/04	3772.86		79.22	0.00	3693.64
MW-4	11/04/04			79.35	0.00	3693.51
MW-4	11/10/04			79.34	0.00	3693.52
MW-4	11/17/04			79.41	0.00	3693.45
MW-4	11/24/04			79.49	0.00	3693.37
MW-4	12/02/04			79.46	0.00	3693.40
MW-4	12/08/04			79.35	0.00	3693.51
MW-4	12/15/04			79.33	0.00	3693.53
MW-4	12/27/04			79.48	0.00	3693.38
MW-4	12/29/04			79.47	0.00	3693.39
MW-4	01/06/05			79.51	0.00	3693.35
MW-4	01/13/05			79.54	0.00	3693.32
MW-4	01/19/05			79.51	0.00	3693.35
MW-4	01/26/05			79.54	0.00	3693.32
MW-4	02/02/05			79.51	0.00	3693.35
MW-4	02/09/05			79.58	0.00	3693.28
MW-4	02/16/05			79.52	0.00	3693.34
MW-4	02/24/05			79.55	0.00	3693.31
MW-4	03/03/05			79.57	0.00	3693.29
MW-4	03/11/05			79.46	0.00	3693.40
MW-4	03/18/05			79.57	0.00	3693.29
MW-4	03/31/05			79.61	0.00	3693.25
MW-4	04/07/05			79.59	0.00	3693.27
MW-4	05/18/05			79.40	0.00	3693.46
MW-4	05/23/05			79.40	0.00	3693.46
MW-4	06/01/05			79.66	0.00	3693.20
MW-4	06/03/05			79.65	0.00	3693.21
MW-4	06/07/05			79.67	0.00	3693.19
MW-4	06/10/05			79.64	0.00	3693.22

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-4	06/13/05			79.61	0.00	3693.25
MW-4	06/16/05			79.65	0.00	3693.21
MW-4	06/20/05			79.90	0.00	3692.96
MW-4	06/22/05			79.70	0.00	3693.16
MW-4	06/29/05			79.68	0.00	3693.18
MW-4	07/01/05			79.71	0.00	3693.15
MW-4	07/06/05			79.71	0.00	3693.15
MW-4	07/08/05			79.75	0.00	3693.11
MW-4	07/12/05			79.75	0.00	3693.11
MW-4	07/14/05			79.75	0.00	3693.11
MW-4	07/19/05			79.77	0.00	3693.09
MW-4	07/21/05			79.79	0.00	3693.07
MW-4	07/26/05			79.81	0.00	3693.05
MW-4	07/28/05			79.81	0.00	3693.05
MW-4	08/02/05			79.82	0.00	3693.04
MW-4	08/04/05			79.84	0.00	3693.02
MW-4	08/09/05			79.85	0.00	3693.01
MW-4	08/11/05			79.86	0.00	3693.00
MW-4	08/16/05			79.88	0.00	3692.98
MW-4	08/18/05			79.88	0.00	3692.98
MW-4	08/24/05			79.90	0.00	3692.96
MW-4	08/26/05			79.91	0.00	3692.95
MW-4	08/30/05			79.93	0.00	3692.93
MW-4	09/01/05			79.92	0.00	3692.94
MW-4	09/06/05			79.91	0.00	3692.95
MW-4	09/08/05			79.94	0.00	3692.92
MW-4	09/13/05			79.94	0.00	3692.92
MW-4	09/16/05			79.96	0.00	3692.90
MW-4	09/20/05			79.88	0.00	3692.98
MW-4	09/23/05			79.79	0.00	3693.07
MW-4	09/27/05			80.00	0.00	3692.86
MW-4	09/29/05			80.01	0.00	3692.85
MW-4	10/04/05			80.03	0.00	3692.83
MW-4	10/06/05			80.04	0.00	3692.82
MW-4	10/11/05			80.04	0.00	3692.82
MW-4	10/13/05			80.05	0.00	3692.81
MW-4	10/18/05			80.85	0.00	3692.01
MW-4	10/21/05			80.09	0.00	3692.77
MW-4	10/26/05			80.08	0.00	3692.78
MW-4	10/28/05			80.09	0.00	3692.77
MW-4	11/01/05			80.13	0.00	3692.73
MW-4	11/04/05			80.14	0.00	3692.72
MW-4	11/09/05			80.18	0.00	3692.68
MW-4	11/11/05			80.16	0.00	3692.70
MW-4	11/16/05			80.21	0.00	3692.65
MW-4	11/18/05			80.20	0.00	3692.66
MW-4	11/22/05			80.20	0.00	3692.66
MW-4	11/30/05			80.22	0.00	3692.64
MW-4	12/02/05			80.22	0.00	3692.64
MW-4	12/06/05			80.20	0.00	3692.66

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-4	12/14/05			80.25	0.00	3692.61
MW-4	12/16/05			80.20	0.00	3692.66
MW-4	12/21/05			80.20	0.00	3692.66
MW-4	12/23/05			80.27	0.00	3692.59
MW-4	12/27/05			80.26	0.00	3692.60
MW-4	12/30/05			80.15	0.00	3692.71
MW-4	01/03/06			80.31	0.00	3692.55
MW-4	01/05/06			80.28	0.00	3692.58
MW-4	01/11/06			80.31	0.00	3692.55
MW-4	01/13/06			80.26	0.00	3692.60
MW-4	01/18/06			80.32	0.00	3692.54
MW-4	01/20/06			79.36	0.00	3693.50
MW-4	01/24/06			80.37	0.00	3692.49
MW-4	01/26/06			80.35	0.00	3692.51
MW-4	02/02/06			80.36	0.00	3692.50
MW-4	02/08/06			80.32	0.00	3692.54
MW-4	02/10/06			80.33	0.00	3692.53
MW-4	02/14/06			80.35	0.00	3692.51
MW-4	02/16/06			80.35	0.00	3692.51
MW-4	02/21/06			80.36	0.00	3692.50
MW-4	02/24/06			80.36	0.00	3692.50
MW-4	02/28/06			90.34	0.00	3682.52
MW-4	03/03/06			80.30	0.00	3692.56
MW-4	03/06/06			80.31	0.00	3692.55
MW-4	03/08/06			80.35	0.00	3692.51
MW-4	03/15/06			80.38	0.00	3692.48
MW-4	03/17/06			80.30	0.00	3692.56
MW-4	03/21/06			80.35	0.00	3692.51
MW-4	03/23/06			80.25	0.00	3692.61
MW-4	03/28/06			80.38	0.00	3692.48
MW-4	03/30/06			80.29	0.00	3692.57
MW-4	04/04/06			80.38	0.00	3692.48
MW-4	04/07/06			80.45	0.00	3692.41
MW-4	04/12/06			80.40	0.00	3692.46
MW-4	04/14/06			80.40	0.00	3692.46
MW-4	04/18/06			80.40	0.00	3692.46
MW-4	04/21/06			80.44	0.00	3692.42
MW-4	04/26/06			80.40	0.00	3692.46
MW-4	04/28/06			80.43	0.00	3692.43
MW-4	05/04/06			80.44	0.00	3692.42
MW-4	05/05/06			80.45	0.00	3692.41
MW-4	05/10/06			80.41	0.00	3692.45
MW-4	05/12/06			80.48	0.00	3692.38
MW-4	05/16/06			80.49	0.00	3692.37
MW-4	05/18/06			80.50	0.00	3692.36
MW-4	05/23/06			80.56	0.00	3692.30
MW-4	05/26/06			80.51	0.00	3692.35
MW-4	05/30/06			80.53	0.00	3692.33
MW-4	06/01/06			80.53	0.00	3692.33
MW-4	06/06/06			80.57	0.00	3692.29

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-4	06/09/06			80.54	0.00	3692.32
MW-4	06/13/06			80.56	0.00	3692.30
MW-4	06/16/06			80.56	0.00	3692.30
MW-4	06/20/06			80.53	0.00	3692.33
MW-4	06/23/06			80.56	0.00	3692.30
MW-4	06/27/06			80.61	0.00	3692.25
MW-4	06/30/06			80.6	0.00	3692.26
MW-4	07/05/06			80.62	0.00	3692.24
MW-4	07/07/06			80.62	0.00	3692.24
MW-4	07/11/06			80.95	0.00	3691.91
MW-4	07/13/06			80.68	0.00	3692.18
MW-4	07/18/06			80.68	0.00	3692.18
MW-4	07/21/06			80.67	0.00	3692.19
MW-4	07/25/06			80.71	0.00	3692.15
MW-4	07/27/06			80.7	0.00	3692.16
MW-4	08/01/06			80.75	0.00	3692.11
MW-4	08/03/06			80.75	0.00	3692.11
MW-4	08/09/06			80.78	0.00	3692.08
MW-4	08/11/06			80.78	0.00	3692.08
MW-4	08/15/06			80.74	0.00	3692.12
MW-4	08/18/06			80.81	0.00	3692.05
MW-4	08/25/06			80.84	0.00	3692.02
MW-4	08/30/06			80.86	0.00	3692.00
MW-4	09/12/06			NM	0.00	#VALUE!
MW-4	09/15/06			80.93	0.00	3691.93
MW-4	09/20/06			80.93	0.00	3691.93
MW-4	09/26/06			80.98	0.00	3691.88
MW-4	09/29/06			79.98	0.00	3692.88
MW-4	10/04/06			81.04	0.00	3691.82
MW-4	10/06/06			81.03	0.00	3691.83
MW-4	10/12/06			81.05	0.00	3691.81
MW-4	10/17/06			81.08	0.00	3691.78
MW-4	10/20/06			81.40	0.00	3691.46
MW-4	10/24/06			81.05	0.00	3691.81
MW-4	10/26/06			81.05	0.00	3691.81
MW-4	11/22/06			81.17	0.00	3691.69
MW-4	11/28/06			81.20	0.00	3691.66
MW-4	12/06/06			81.27	0.00	3691.59
MW-4	12/08/06			81.07	0.00	3691.79
MW-4	12/12/06			82.36	0.00	3690.50
MW-4	12/15/06			81.07	0.00	3691.79
MW-4	12/20/06			81.16	0.00	3691.70
MW-4	12/22/06			81.29	0.00	3691.57
MW-4	12/27/06			81.33	0.00	3691.53
MW-4	01/03/07			81.34	0.00	3691.52
MW-4	01/05/07			81.32	0.00	3691.54
MW-4	01/12/07			81.36	0.00	3691.50
MW-4	01/15/07			81.42	0.00	3691.44
MW-4	01/18/07			81.39	0.00	3691.47
MW-4	01/31/07			81.35	0.00	3691.51

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-4	02/07/07			81.27	0.00	3691.59
MW-4	02/09/07			81.45	0.00	3691.41
MW-4	02/13/07			81.41	0.00	3691.45
MW-4	02/16/07		80.26	80.39	0.13	3692.58
MW-4	02/19/07		81.36	81.37	0.01	3691.50
MW-4	02/21/07			81.41		3691.45
MW-4	02/26/07			81.44		3691.42
MW-4	03/01/07			81.42		3691.44
MW-4	03/06/07			81.11		3691.75
MW-4	03/09/07			81.43		3691.43
MW-4	03/13/07			81.42		3691.44
MW-4	03/23/07			81.44		3691.42
MW-4	03/27/07	3773.76		81.43		3692.33
MW-4	03/29/07			81.12		3692.64
MW-4	04/06/07			81.47		3692.29
MW-4	04/11/07			81.46		3692.30
MW-4	04/17/07			81.47		3692.29
MW-4	04/19/07			81.47		3692.29
MW-4	04/24/07			81.43		3692.33
MW-4	05/01/07			81.51		3692.25
MW-4	05/21/07			81.51		3692.25
MW-4	05/24/07			81.57		3692.19
MW-4	06/19/07			81.51		3692.25
MW-4	06/28/07			81.49		3692.27
MW-4	08/07/07			81.54		3692.22
MW-4	08/17/07			81.62		3692.14
MW-4	08/23/07			81.64		3692.12
MW-4	09/20/07			81.72		3692.04
MW-4	10/11/07			81.77		3691.99
MW-4	11/27/07			81.97		3691.79
MW-4	12/17/07			82.04		3691.72
MW-4	12/28/07			82.06		3691.70
MW-4	03/05/08			82.28		3691.48
MW-4	03/26/08			82.34		3691.42
MW-4	04/24/08			82.31		3691.45
MW-4	05/23/08			82.39		3691.37
MW-4	06/30/08			82.57		3691.19
MW-4	08/05/08			82.62		3691.14
MW-4	09/18/08			82.81		3690.95
MW-4	10/29/08			82.61		3691.15
MW-4	12/17/08			83.13		3690.63
MW-4	02/03/09			83.26		3690.50
MW-4	06/23/09			83.50		3690.26
MW-4	09/02/09			83.83		3689.93
MW-4	11/11/09			84.08		3689.68
MW-4	02/18/10			84.42		3689.34
MW-4	06/16/10			84.73		3689.03
MW-4	09/28/10			85.26		3688.50
MW-4	12/23/10			85.53		3688.23

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-5	11/16/07	Installed Well				
MW-5	11/27/07	3772.08	79.69	79.98	0.29	3692.34
MW-5	12/17/07		79.55	80.91	1.36	3692.31
MW-5	12/28/07		79.49	81.68	2.19	3692.23
MW-5	12/31/08		79.43	81.88	2.45	3692.25
MW-5	03/05/08		78.96	84.96	6.00	3692.13
MW-5	03/24/08		78.98	81.04	2.06	3692.76
MW-5	03/26/08		79.74	81.68	1.94	3692.02
MW-5	04/24/08		79.21	84.94	5.73	3691.92
MW-5	05/05/08		79.16	85.14	5.98	3691.93
MW-5	05/23/08		79.22	85.37	6.15	3691.85
MW-5	06/30/08		79.57	85.68	6.11	3691.50
MW-5	07/03/08		79.61	85.73	6.12	3691.46
MW-5	07/16/08		79.94	84.68	4.74	3691.36
MW-5	07/23/08		80.32	83.33	3.01	3691.26
MW-5	08/01/08		80.42	83.34	2.92	3691.18
MW-5	08/05/08		80.59	82.66	2.07	3691.15
MW-5	08/28/08		79.63	84.41	4.78	3691.66
MW-5	09/18/08		79.52	85.30	5.78	3691.61
MW-5	10/29/08		79.88	84.27	4.39	3691.48
MW-5	12/17/08		80.79	81.19	0.40	3691.22
MW-5	02/03/09		80.11	85.15	5.04	3691.14
MW-5	06/23/09		81.17	81.55	0.38	3690.85
MW-5	09/02/09		80.75	85.00	4.25	3690.63
MW-5	11/11/09		81.01	86.30	5.29	3690.20
MW-5	02/18/10		81.60	86.87	5.27	3689.61
MW-5	06/16/10		81.89	87.29	5.40	3689.30
MW-5	09/28/10		82.04	87.35	5.31	3689.16
MW-5	12/23/10		83.14	84.04	0.90	3688.80
MW-6	11/15/07	Installed Well				
MW-6	11/27/07	3772.99	80.66	81.54	0.88	3692.18
MW-6	12/17/07		80.42	83.14	2.72	3692.12
MW-6	12/28/07		80.24	84.27	4.03	3692.09
MW-6	12/31/08		80.21	84.66	4.45	3692.05
MW-6	03/05/08		79.96	86.41	6.45	3691.97
MW-6	03/24/08		79.96	86.21	6.25	3692.00
MW-6	03/26/08		80.02	86.46	6.44	3691.91
MW-6	04/24/08		80.16	86.64	6.48	3691.76
MW-6	05/05/08		80.18	86.66	6.48	3691.74
MW-6	05/23/08		80.31	86.84	6.53	3691.60
MW-6	06/30/08		80.59	87.17	6.58	3691.31
MW-6	07/03/08		80.63	87.23	6.60	3691.27
MW-6	07/16/08		80.73	87.20	6.47	3691.19
MW-6	07/23/08		80.80	87.36	6.56	3691.11
MW-6	08/01/08		80.95	87.18	6.23	3691.01
MW-6	08/05/08		81.29	85.64	4.35	3690.98
MW-6	08/28/08		80.43	86.91	6.48	3691.49
MW-6	09/18/08		80.49	87.01	6.52	3691.42
MW-6	10/29/08		80.70	86.83	6.13	3691.28

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-6	12/17/08		81.86	82.53	0.67	3691.02
MW-6	02/03/09		81.03	87.15	6.12	3690.95
MW-6	06/23/09		81.27	87.35	6.08	3690.72
MW-6	09/02/09		82.11	85.14	3.03	3690.38
MW-6	11/11/09		82.78	84.22	1.44	3689.97
MW-6	02/18/10		82.99	86.54	3.55	3689.41
MW-6	06/16/10		83.67	85.26	1.59	3689.06
MW-6	09/28/10		83.51	86.67	3.16	3688.96
MW-6	12/23/10		84.44	85.22	0.78	3688.43
MW-7	11/15/07	Installed Well				
MW-7	11/27/07	3772.92	80.72	81.56	0.84	3692.06
MW-7	12/17/07		80.51	82.94	2.43	3692.01
MW-7	12/28/07		80.44	83.86	3.42	3691.92
MW-7	12/31/08		80.91	84.19	3.28	3691.47
MW-7	03/05/08		80.04	86.55	6.51	3691.81
MW-7	03/24/08		80.09	86.48	6.39	3691.78
MW-7	03/26/08		80.16	86.55	6.39	3691.71
MW-7	04/24/08		80.24	86.77	6.53	3691.60
MW-7	05/05/08		80.24	86.77	6.53	3691.60
MW-7	05/23/08		80.38	86.94	6.56	3691.46
MW-7	06/30/08		80.67	87.25	6.58	3691.16
MW-7	07/03/08		80.71	87.31	6.60	3691.12
MW-7	07/16/08		81.12	85.84	4.72	3691.02
MW-7	07/23/08		80.90	86.86	5.96	3691.04
MW-7	08/01/08		81.24	86.26	5.02	3690.85
MW-7	08/05/08		81.53	84.94	3.41	3690.83
MW-7	08/28/08		80.57	86.73	6.16	3691.33
MW-7	09/18/08		80.58	87.02	6.44	3691.28
MW-7	10/29/08		80.83	86.70	5.87	3691.12
MW-7	12/17/08		80.98	87.09	6.11	3690.93
MW-7	02/03/09		81.12	87.14	6.02	3690.81
MW-7	06/23/09		81.42	87.22	5.80	3690.54
MW-7	09/02/09		81.68	87.79	6.11	3690.23
MW-7	11/11/09		82.36	85.16	2.80	3690.10
MW-7	02/18/10		82.78	88.02	5.24	3689.28
MW-7	06/16/10		83.09	88.36	5.27	3688.96
MW-7	09/28/10		83.22	88.45	5.23	3688.84
MW-7	12/23/10		84.03	86.61	2.58	3688.46
MW-8	11/15/07	Installed Well	TD=104.70			
MW-8	11/27/07	3773.80		82.11		3691.69
MW-8	12/17/07			82.21		3691.59
MW-8	12/28/07			82.24		3691.56
MW-8	03/05/08			82.44		3691.36
MW-8	03/26/08			82.41		3691.39
MW-8	04/24/08			82.49		3691.31
MW-8	05/23/08			82.56		3691.24
MW-8	06/30/08			82.75		3691.05
MW-8	08/05/08			82.78		3691.02

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-8	09/18/08			82.97		3690.83
MW-8	10/29/08			83.11		3690.69
MW-8	12/17/08			83.30		3690.50
MW-8	02/03/09			83.45		3690.35
MW-8	06/23/09			83.67		3690.13
MW-8	09/02/09			83.95		3689.85
MW-8	11/11/09			84.21		3689.59
MW-8	02/18/10			84.57		3689.23
MW-8	06/16/10			84.90		3688.90
MW-8	09/28/10			85.41		3688.39
MW-8	12/23/10			85.67		3688.13
MW-9	11/15/07	Installed Well				
MW-9	11/27/07	3771.79	79.47	79.93	0.46	3692.24
MW-9	12/17/07		79.35	80.82	1.47	3692.20
MW-9	12/28/07		79.30	81.48	2.18	3692.13
MW-9	12/31/08		79.27	81.76	2.49	3692.11
MW-9	03/05/08		78.73	85.07	6.34	3692.01
MW-9	03/24/08		78.84	84.93	6.09	3691.95
MW-9	03/26/08		79.54	81.64	2.10	3691.90
MW-9	04/24/08		79.21	80.16	0.95	3692.42
MW-9	05/05/08		78.92	80.24	1.32	3692.65
MW-9	05/23/08		79.06	85.48	6.42	3691.67
MW-9	06/30/08		79.34	85.61	6.27	3691.42
MW-9	07/03/08		79.39	85.87	6.48	3691.33
MW-9	07/16/08		79.57	85.49	5.92	3691.24
MW-9	07/23/08		79.93	84.16	4.23	3691.16
MW-9	08/01/08		79.97	84.75	4.78	3691.03
MW-9	08/05/08		80.24	83.32	3.08	3691.04
MW-9	08/28/08		79.22	85.31	6.09	3691.57
MW-9	09/18/08		79.25	85.57	6.32	3691.50
MW-9	10/29/08		79.47	85.25	5.78	3691.37
MW-9	12/17/08		80.60	81.19	0.59	3691.09
MW-9	02/03/09		79.79	85.67	5.88	3691.03
MW-9	06/23/09		80.95	81.70	0.75	3690.72
MW-9	09/02/09		81.18	82.29	1.11	3690.43
MW-9	11/11/09		81.72	81.98	0.26	3690.03
MW-9	02/18/10		82.31	82.61	0.30	3689.43
MW-9	06/16/10		82.19	84.96	2.77	3689.14
MW-9	09/28/10		81.90	87.01	5.11	3689.05
MW-9	12/23/10		82.87	84.45	1.58	3688.67
MW-10	11/15/07	Installed Well	TD=101.20			
MW-10	11/27/07	3771.90		79.13		3692.77
MW-10	12/17/07			79.18		3692.72
MW-10	12/28/07			79.18		3692.72
MW-10	03/05/08			79.39		3692.51
MW-10	03/26/08			79.36		3692.54
MW-10	04/24/08			79.45		3692.45
MW-10	05/23/08			79.51		3692.39

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-10	06/30/08			79.70		3692.20
MW-10	08/05/08			79.73		3692.17
MW-10	09/18/08			79.92		3691.98
MW-10	10/29/08			80.03		3691.87
MW-10	12/17/08			80.25		3691.65
MW-10	02/03/09			80.37		3691.53
MW-10	06/23/09			80.6		3691.30
MW-10	09/02/09			80.11		3691.79
MW-10	11/11/09			81.12		3690.78
MW-10	02/18/10			81.51		3690.39
MW-10	06/16/10			81.83		3690.07
MW-10	09/28/10			82.35		3689.55
MW-10	12/23/10			82.62		3689.28
MW-11	11/14/07	Installed Well	TD=105.19			
MW-11	11/27/07	3772.97		80.50		3692.47
MW-11	12/17/07			80.52		3692.45
MW-11	12/28/07			80.58		3692.39
MW-11	03/05/08			80.77		3692.20
MW-11	03/26/08			80.73		3692.24
MW-11	04/24/08			80.81		3692.16
MW-11	05/23/08			79.89		3693.08
MW-11	06/30/08			81.09		3691.88
MW-11	08/05/08			81.12		3691.85
MW-11	09/18/08			81.32		3691.65
MW-11	10/29/08			81.45		3691.52
MW-11	12/11/08			81.64		3691.33
MW-11	02/03/09			81.78		3691.19
MW-11	06/23/09			82.00		3690.97
MW-11	09/02/09			82.31		3690.66
MW-11	11/11/09			82.54		3690.43
MW-11	02/18/10			82.92		3690.05
MW-11	06/16/10			83.23		3689.74
MW-11	09/28/10			83.75		3689.22
MW-11	12/23/10			84.03		3688.94
MW-12	11/14/07	Installed Well	TD=105.70			
MW-12	11/27/07	3773.80		82.74		3691.06
MW-12	12/17/07			81.77		3692.03
MW-12	12/28/07			81.76		3692.04
MW-12	03/05/08			81.98		3691.82
MW-12	03/26/08			81.92		3691.88
MW-12	04/24/08			82.02		3691.78
MW-12	05/23/08			82.10		3691.70
MW-12	06/30/08			82.29		3691.51
MW-12	08/05/08			82.32		3691.48
MW-12	09/18/08			82.52		3691.28
MW-12	10/29/08			82.67		3691.13
MW-12	12/17/08			82.86		3690.94
MW-12	02/03/09			82.99		3690.81

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-12	06/23/09			83.21		3690.59
MW-12	09/02/09			83.51		3690.29
MW-12	11/11/09			83.76		3690.04
MW-12	02/18/10			84.14		3689.66
MW-12	06/16/10			84.44		3689.36
MW-12	09/28/10			84.96		3688.84
MW-12	12/23/10			85.25		3688.55
MW-13	11/14/07	Installed Well				
MW-13	11/27/07	3774.36		82.71		3691.65
MW-13	12/17/07			82.84		3691.52
MW-13	12/28/07			82.86		3691.50
MW-13	03/05/08			83.06		3691.30
MW-13	03/26/08			83.01		3691.35
MW-13	04/24/08			83.10		3691.26
MW-13	05/23/08			83.18		3691.18
MW-13	06/30/08			83.36		3691.00
MW-13	08/05/08			83.40		3690.96
MW-13	09/18/08			83.61		3690.75
MW-13	10/29/08			83.75		3690.61
MW-13	12/17/08			83.92		3690.44
MW-13	02/03/09			84.07		3690.29
MW-13	06/23/09			84.28		3690.08
MW-13	09/02/09			84.60		3689.76
MW-13	11/11/09			84.83		3689.53
MW-13	02/18/10			85.21		3689.15
MW-13	06/16/10			85.53		3688.83
MW-13	09/28/10			86.04		3688.32
MW-13	12/23/10			86.31		3688.05
MW-14	05/03/10	Installed Well		TD=106.00		
MW-14	04/13/10	3774.40		85.59		3688.81
MW-14	06/16/10			85.82		3688.58
MW-14	09/28/10			86.32		3688.08
MW-14	12/23/10			86.64		3687.76
MW-15	05/03/10	Installed Well		TD=106.00		
MW-15	04/13/10	3774.03		85.46		3688.57
MW-15	06/16/10			85.69		3688.34
MW-15	09/28/10			86.19		3687.84
MW-15	12/23/10			86.50		3687.53
MW-16	05/03/10	Installed Well		TD-107.00		
MW-16	04/13/10	3773.95		85.33		3688.62
MW-16	06/16/10			85.57		3688.38
MW-16	09/28/10			86.05		3687.90
MW-16	12/23/10			86.34		3687.61
MW-17		Installed Well				
MW-17	09/28/10	3771.29				3771.29

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2002-10273
8" MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.045.01

WELL ID	DATE GAUGED	Relative Top of Casing Elevation (Ft amsl)	Depth to PSH Below Top of Casing (Feet)	Depth to Water Below Top of Casing (Feet)	PSH THICKNESS (Feet)	Adjusted Potentiometric Surface (Ft amsl)
MW-17	09/28/10			82.32		3688.97
MW-17	12/23/10			82.58		3688.71
MW-18		Installed Well				
MW-18	09/28/10	3772.41				3772.41
MW-18	09/28/10			83.72		3688.69
MW-18	12/23/10			84.00		3688.41
MW-19		Installed Well				
MW-19	09/28/10	3773.63				3773.63
MW-19	09/28/10			85.19		3688.44
MW-19	12/23/10			85.49		3688.14
MW-20	08/19/10	Installed Well				
MW-20	09/28/10	3770.92				3770.92
MW-20	09/28/10			82.03		3688.89
MW-20	12/23/10			82.32		3688.60
MW-21	08/19/10	Installed Well				
MW-21	09/28/10	3773.30				3773.30
MW-21	09/28/10			84.75		3688.55
MW-21	12/23/10			84.97		3688.33

NM=Not Measured
Potentiometric surface adjusted by the following equation: = Top of casing elevation - depth to water + (PSH thickness * 0.840)
amsl - above mean sea level

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO - SRS# 2002-10273
Talon/LPE Project Number 700376.045.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-1	11/04/04	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	03/18/05	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	06/14/05	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	09/30/05	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	12/30/05	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	03/30/06	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	07/06/06	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	09/29/06	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	12/20/06	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	03/29/07	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	06/19/07	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	09/20/07	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	12/18/07	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	03/27/08	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	06/30/08	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	09/20/08	**16.8**	**3.45**	**1.15**	**2.04**	23.4
MW-1	12/17/08	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	02/03/09	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	06/23/09	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	09/03/09	**20.4**	**17.8**	**3.84**	**9.31**	51.4
MW-1	11/11/09	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	02/18/10	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	06/16/10	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	09/28/10	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-1	12/23/10	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-2	11/04/04	**0.254**	0.108	0.0115	0.0198	0.393
MW-2	03/18/05	**0.0404**	0.0251	0.00231	0.00744	0.0753
MW-2	06/14/05	0.00109	<0.00100	<0.00100	<0.00200	0.00109
MW-2	09/30/05	**0.0428**	0.0392	0.00561	0.01275	0.1004
MW-2	12/30/05	<0.001	<0.001	<0.001	<0.001	<0.00100
MW-2	03/30/06	*0.0019*	*0.00398*	0.00428	*0.01463*	0.02479
MW-2	07/06/06	**0.0127**	0.0228	0.00216	0.01194	0.0496
MW-2	09/29/06	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-2	12/20/06	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-2	03/29/07	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-2	06/19/07	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**				

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO - SRS# 2002-10273
Talon/LPE Project Number 700376.045.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-2	09/20/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	12/18/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	03/27/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	06/30/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	09/20/08	**4.67**	**3.42**	0.470	**1.16**	9.72
MW-2	12/17/08	**0.0247**	0.0542	0.0331	0.0586	0.1706
MW-2	02/03/09	**0.0475**	0.074	<0.0200	0.0419	0.1634
MW-2	06/23/09	**0.0273**	0.0323	<0.00100	0.0317	0.0913
MW-2	09/02/09	0.00990	0.0127	<0.00100	0.00810	0.03070
MW-2	11/11/09	**0.05160**	0.0672	0.0047	0.04320	0.19740
MW-2	02/18/10	**0.0170**	0.0235	<0.00100	0.0223	0.0628
MW-2	06/16/10	**0.0202**	0.0269	0.00140	0.0173	0.0658
MW-2	09/28/10	**0.0140**	0.0249	<0.00100	0.0166	0.0555
MW-2	12/23/10	**0.0388**	0.0528	0.00540	0.0435	0.1405
MW-3	11/04/04	**0.062**	0.0292	0.00463	0.00796	0.104
MW-3	03/18/05	**1.23**	0.338	0.0206	0.0251	1.61
MW-3	06/14/05	**11.00**	**2.34**	**0.792**	1.65	14.13
MW-3	09/30/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	12/30/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	03/30/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	07/06/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	09/29/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	12/20/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	03/29/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	06/19/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	09/20/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	12/18/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	03/27/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	06/30/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	09/20/08	**23.4**	**11.7**	**1.74**	**4.13**	41.0
MW-3	12/17/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	02/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	06/23/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	09/03/09	Not Enough Water to Sample				
MW-3	11/11/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO - SRS# 2002-10273
Talon/LPE Project Number 700376.045.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-3	02/18/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	06/16/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	09/28/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	12/23/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-4	11/04/04	0.00258	0.00150	<0.00100	<0.00200	0.00408
MW-4	03/18/05	**5.23**	**0.989**	0.259	0.468	6.95
MW-4	06/14/05	**8.29**	**0.827**	0.308	0.3139	9.74
MW-4	09/30/05	**5.36**	0.148	0.153	<0.200	5.66
MW-4	12/30/05	4.49	<0.00005	<0.00005	<0.00005	4.49
MW-4	03/30/06	**5.45**	0.246	0.265	0.582	19.244
MW-4	07/06/06	**11.0**	**0.906**	0.308	0.487	12.7
MW-4	09/29/06	**6.18**	0.287	0.146	0.301	6.914
MW-4	12/20/06	**9.03**	0.612	0.327	0.536	10.505
MW-4	03/29/07	**7.18**	0.530	0.452	0.584	8.75
MW-4	06/19/07	**16.85**	**0.7600**	**0.7990**	0.765	19.17
MW-4	09/20/07	**17.21**	0.4370	0.5900	0.705	18.94
MW-4	12/18/07	**20.6**	**0.912**	**0.856**	1.50	23.9
MW-4	03/27/08	**21.8**	**0.956**	0.724	**0.811**	24.3
MW-4	06/30/08	**24.3**	0.558	**1.02**	**1.04**	26.9
MW-4	09/20/08	**26.4**	**2.91**	**1.21**	**1.39**	31.9
MW-4	12/17/08	**26.8**	0.368	**1.20**	**1.17**	29.5
MW-4	02/03/09	**25.6**	0.704	**1.28**	**1.41**	29.0
MW-4	06/23/09	**23.1**	<0.200	**1.70**	<0.200	24.8
MW-4	09/03/09	**24.6**	0.521	**1.24**	0.486	26.8
MW-4	11/11/09	**21.3**	<0.200	**0.883**	<0.200	22.2
MW-4	02/18/10	**15.1**	<0.200	0.639	<0.200	15.7
MW-4	06/16/10	**16.9**	<0.200	0.620	<0.200	17.5
MW-4	09/28/10	**9.66**	<0.200	<0.200	<0.200	9.66
MW-4	12/23/10	**11.00**	<0.200	0.583	<0.200	11.583
MW-5	11/16/07	Well Installed				
MW-5	12/18/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	03/27/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	06/30/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	09/20/08	**5.36**	**4.73**	**0.878**	**2.00**	12.968

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO - SRS# 2002-10273
Talon/LPE Project Number 700376.045.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-5	12/17/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	02/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	06/23/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	09/03/09	15.5	16.4	2.30	5.21	39.41
MW-5	11/11/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	02/18/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	06/16/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	09/28/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	12/23/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	11/15/07	Well Installed				
MW-6	12/18/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	03/27/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	06/30/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	09/20/08	3.22	1.94	0.285	0.697	6.142
MW-6	12/17/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	02/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	06/23/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	09/03/09	19.2	19.3	3.13	7.48	49.11
MW-6	11/11/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	02/18/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	06/16/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	09/28/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	12/23/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	11/15/07	Well Installed				
MW-7	12/18/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	03/27/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	06/30/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	09/20/08	10.7	1.78	0.453	0.785	13.718
MW-7	12/17/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	02/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	06/23/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	09/03/09	22.1	15.8	3.11	7.38	48.39
MW-7	11/11/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	02/18/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO - SRS# 2002-10273
Talon/LPE Project Number 700376.045.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-7	06/16/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	09/28/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	12/23/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	11/15/07	Well Installed				
MW-8	12/18/07	**0.660**	0.0211	0.0211	0.0211	0.723
MW-8	03/27/08	**3.00**	0.0817	0.0283	0.187	3.297
MW-8	06/30/08	**8.55**	**1.12**	0.244	**0.687**	10.601
MW-8	09/20/08	**5.86**	0.0798	<0.0500	0.304	6.244
MW-8	12/17/08	**27.7**	**2.36**	**0.845**	**2.46**	33.365
MW-8	02/03/09	**8.27**	0.485	<0.100	0.346	9.101
MW-8	06/23/09	**20.6**	**2.56**	**0.923**	**2.32**	26.403
MW-8	09/02/09	**12.0**	**2.23**	0.360	**0.776**	15.366
MW-8	11/11/09	**18.2**	**4.68**	0.638	**1.21**	24.728
MW-8	02/18/10	**15.1**	**3.46**	0.719	**1.38**	20.659
MW-8	06/16/10	**8.30**	**1.43**	0.340	**0.755**	10.825
MW-8	09/28/10	**10.30**	**2.05**	0.464	**0.82**	13.634
MW-8	12/23/10	**9.61**	**1.61**	0.611	**1.42**	13.251
MW-9	11/15/07	Well Installed				
MW-9	12/18/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	03/27/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	06/30/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	09/20/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	12/17/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	02/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	06/23/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	09/03/09	**16.5**	**8.40**	**1.38**	**2.89**	29.17
MW-9	11/11/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	02/18/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	06/16/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	09/28/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	12/23/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-10	11/15/07	Well Installed				
MW-10	12/18/07	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO - SRS# 2002-10273
Talon/LPE Project Number 700376.045.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-10	03/27/08	**0.0283**	0.00240	<0.00100	0.00290	0.0336
MW-10	06/30/08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	09/20/08	<0.00100	<0.00100	<0.00100	0.00220	<0.00100
MW-10	12/17/08	0.00790	<0.00100	<0.00100	<0.00100	0.0079
MW-10	02/03/09	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	06/23/09	0.00670	<0.00100	<0.00100	<0.00100	0.0067
MW-10	09/02/09	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	11/11/09	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	02/18/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	06/16/10	0.00160	<0.00100	<0.00100	0.00280	0.00440
MW-10	09/27/10	0.00160	<0.00100	<0.00100	<0.00100	0.0016
MW-10	12/23/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	11/14/07	**Well Installed**				
MW-11	12/18/07	**0.0180**	0.00790	0.00110	<0.00100	0.02700
MW-11	03/27/08	**0.0533**	0.0177	0.00230	0.00820	0.0815
MW-11	06/30/08	0.00190	<0.00100	<0.00100	<0.00100	0.0019
MW-11	09/20/08	**0.0171**	0.00310	<0.00100	0.00100	0.0212
MW-11	12/17/08	0.00340	<0.00100	<0.00100	<0.00100	0.0171
MW-11	02/03/09	0.00620	0.00120	<0.00100	<0.00100	0.00740
MW-11	06/23/09	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	09/02/09	0.00250	<0.00100	<0.00100	<0.00100	0.0025
MW-11	11/11/09	**0.0819**	0.0280	0.0198	0.0230	0.1527
MW-11	02/18/10	0.0023	<0.00100	<0.00100	<0.00100	0.0023
MW-11	06/16/10	0.00990	0.00410	0.00120	0.00330	0.01850
MW-11	09/28/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	12/23/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-12	11/14/07	**Well Installed**				
MW-12	12/18/07	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-12	03/27/08	**0.0566**	0.0189	0.00270	0.00720	0.0854
MW-12	06/30/08	0.00780	<0.00100	<0.00100	<0.00100	0.0078
MW-12	09/20/08	**0.0151**	0.00140	<0.00100	<0.00100	0.0165
MW-12	12/17/08	0.00400	<0.00100	<0.00100	<0.00100	0.004
MW-12	02/03/09	0.00210	<0.00100	<0.00100	<0.00100	0.0021
MW-12	06/23/09	0.00550	<0.00100	<0.00100	<0.00100	0.0055

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO - SRS# 2002-10273
Talon/LPE Project Number 700376.045.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-12	09/02/09	0.00650	<0.00100	<0.00100	<0.00100	0.0065
MW-12	11/11/09	**0.06540**	0.0244	0.015	0.0184	0.12320
MW-12	02/18/10	0.00670	0.0048	<0.00100	<0.00100	0.01150
MW-12	06/16/10	**0.02720**	0.00980	0.00230	0.00390	0.04320
MW-12	09/28/10	0.00110	<0.00100	<0.00100	<0.00100	0.00110
MW-12	12/23/10	**0.01090**	0.00830	<0.00100	0.00810	0.02730
MW-13	11/14/07	**Well Installed**				
MW-13	12/18/07	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-13	03/27/08	**0.598**	<0.00500	0.0115	0.00860	0.6181
MW-13	06/30/08	**0.191**	<0.00500	<0.00500	<0.00500	0.191
MW-13	09/20/08	**2.82**	<0.0100	0.0575	0.0890	2.9665
MW-13	12/17/08	**2.41**	<0.0100	0.0206	0.0609	2.49
MW-13	02/03/09	**2.90**	<0.100	<0.100	<0.100	2.9
MW-13	06/23/09	**4.63**	<0.0200	<0.0200	0.373	5.003
MW-13	09/02/09	**4.29**	<0.0200	<0.0200	0.104	4.394
MW-13	11/11/09	**14.3**	<0.100	0.311	<0.100	14.611
MW-13	02/18/10	**14.5**	<0.100	0.478	0.495	15.473
MW-13	06/16/10	**11.3**	<0.100	0.229	0.384	11.913
MW-13	09/28/10	**16.3**	<0.100	0.397	0.257	16.954
MW-13	12/23/10	**6.14**	<0.100	<0.100	0.858	6.998
MW-14	03/03/10	**Well Installed**				
MW-14	04/13/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	06/16/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	09/28/10	0.00320	0.00130	<0.00100	<0.00100	0.00450
MW-14	12/23/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	03/03/10	**Well Installed**				
MW-15	04/13/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	06/16/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	09/28/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	12/23/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	03/03/10	**Well Installed**				
MW-16	04/13/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
MOORE TO JAL #2
NMOCD REF. # AP-92
LEA COUNTY, NEW MEXICO - SRS# 2002-10273
Talon/LPE Project Number 700376.045.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-16	06/16/10	0.00200	<0.00100	<0.00100	<0.00100	0.002
MW-16	09/28/10	0.00270	<0.00100	<0.00100	<0.00100	0.0027
MW-16	12/23/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-17	08/11/10	Well Installed				
MW-17	09/28/10	**0.0729**	0.00440	<0.00100	0.00610	0.08340
MW-17	12/23/10	**0.1750**	<0.00100	<0.00100	0.01310	0.18810
MW-18	08/11/10	Well Installed				
MW-18	09/28/10	**0.111**	0.00220	<0.00100	0.00310	0.116
MW-18	12/23/10	**0.431**	<0.00100	<0.00100	0.01580	0.447
MW-19	08/11/10	Well Installed				
MW-19	09/28/10	**0.854**	<0.00100	<0.00100	0.00330	0.85730
MW-19	12/23/10	0.120	0.00390	<0.00100	0.01380	0.138
MW-20	08/19/10	Well Installed				
MW-20	09/28/10	0.00170	<0.00100	<0.00100	<0.00100	0.00170
MW-20	12/23/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	08/19/10	Well Installed				
MW-21	09/28/10	0.00140	0.00150	<0.00100	<0.00100	0.00290
MW-21	12/23/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
NMWQCC Remedial Limits		0.010	0.750	0.750	0.620	NA

[1] ***Bolded*** *values are in excess of the NMWQCC Remediation Thresholds*

BTEX analyzed by EPA Method 8021B

APPENDIX C

Laboratory Analytical Data Reports and Chains of Custody Documentation

Summary Report

Steve Killingsworth
Talon LPE-Midland
2901 State Highway 349
Midland, TX 79706

Report Date: February 26, 2010

Work Order: 10021934

Project Location: Lea County, NM
Project Name: Moore to Jal #2
Project Number: 700376.045.01
SRS #: 2002-10273

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
223199	MW-2	water	2010-02-18	13:20	2010-02-19
223200	MW-4	water	2010-02-18	13:13	2010-02-19
223201	MW-8	water	2010-02-18	15:18	2010-02-19
223202	MW-10	water	2010-02-18	13:27	2010-02-19
223203	MW-11	water	2010-02-18	13:44	2010-02-19
223204	MW-12	water	2010-02-18	14:46	2010-02-19
223205	MW-13	water	2010-02-18	15:11	2010-02-19

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
223199 - MW-2	**0.0170**	**0.0235**	<0.00100	**0.0223**
223200 - MW-4	**15.1**	<0.200	**0.639**	<0.200
223201 - MW-8	**15.1**	**3.46**	**0.719**	**1.38**
223202 - MW-10	<0.00100	<0.00100	<0.00100	<0.00100
223203 - MW-11	**0.00230**	<0.00100	<0.00100	<0.00100
223204 - MW-12	**0.00670**	**0.00480**	<0.00100	<0.00100
223205 - MW-13	**14.5**	<0.100	**0.478**	**0.495**

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Steve Killingsworth
Talon LPE-Midland
2901 State Highway 349
Midland, TX, 79706

Report Date: February 26, 2010

Work Order: 10021934

Project Location: Lea County, NM
Project Name: Moore to Jal #2
Project Number: 700376.045.01
SRS #: 2002-10273

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
223199	MW-2	water	2010-02-18	13:20	2010-02-19
223200	MW-4	water	2010-02-18	13:13	2010-02-19
223201	MW-8	water	2010-02-18	15:18	2010-02-19
223202	MW-10	water	2010-02-18	13:27	2010-02-19
223203	MW-11	water	2010-02-18	13:44	2010-02-19
223204	MW-12	water	2010-02-18	14:46	2010-02-19
223205	MW-13	water	2010-02-18	15:11	2010-02-19

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 9 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Moore to Jal #2 were received by TraceAnalysis, Inc. on 2010-02-19 and assigned to work order 10021934. Samples for work order 10021934 were received intact without headspace and at a temperature of 3.9 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	58042	2010-02-25 at 14:00	67848	2010-02-25 at 17:21

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10021934 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 223199 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67848	Date Analyzed:	2010-02-25	Analyzed By:	AG
Prep Batch:	58042	Sample Preparation:	2010-02-25	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0170**	mg/L	1	0.00100
Toluene		**0.0235**	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.0223**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0933	mg/L	1	0.100	93	65.9 - 129.8
4-Bromofluorobenzene (4-BFB)		0.0903	mg/L	1	0.100	90	51.1 - 118.8

Sample: 223200 - MW-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67848	Date Analyzed:	2010-02-25	Analyzed By:	AG
Prep Batch:	58042	Sample Preparation:	2010-02-25	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**15.1**	mg/L	200	0.00100
Toluene		<0.200	mg/L	200	0.00100
Ethylbenzene		**0.639**	mg/L	200	0.00100
Xylene		<0.200	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		17.4	mg/L	200	20.0	87	65.9 - 129.8
4-Bromofluorobenzene (4-BFB)		14.6	mg/L	200	20.0	73	51.1 - 118.8

Sample: 223201 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67848	Date Analyzed:	2010-02-25	Analyzed By:	AG
Prep Batch:	58042	Sample Preparation:	2010-02-25	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**15.1**	mg/L	100	0.00100
Toluene		**3.46**	mg/L	100	0.00100
Ethylbenzene		**0.719**	mg/L	100	0.00100
Xylene		**1.38**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		8.83	mg/L	100	10.0	88	65.9 - 129.8
4-Bromofluorobenzene (4-BFB)		7.58	mg/L	100	10.0	76	51.1 - 118.8

Sample: 223202 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67848	Date Analyzed:	2010-02-25	Analyzed By:	AG
Prep Batch:	58042	Sample Preparation:	2010-02-25	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0894	mg/L	1	0.100	89	65.9 - 129.8
4-Bromofluorobenzene (4-BFB)		0.0748	mg/L	1	0.100	75	51.1 - 118.8

Sample: 223203 - MW-11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67848	Date Analyzed:	2010-02-25	Analyzed By:	AG
Prep Batch:	58042	Sample Preparation:	2010-02-25	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00230**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0916	mg/L	1	0.100	92	65.9 - 129.8
4-Bromofluorobenzene (4-BFB)		0.0797	mg/L	1	0.100	80	51.1 - 118.8

Sample: 223204 - MW-12

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67848	Date Analyzed:	2010-02-25	Analyzed By:	AG
Prep Batch:	58042	Sample Preparation:	2010-02-25	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00670**	mg/L	1	0.00100
Toluene		**0.00480**	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0899	mg/L	1	0.100	90	65.9 - 129.8
4-Bromofluorobenzene (4-BFB)		0.0716	mg/L	1	0.100	72	51.1 - 118.8

Sample: 223205 - MW-13

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67848	Date Analyzed:	2010-02-25	Analyzed By:	AG
Prep Batch:	58042	Sample Preparation:	2010-02-25	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**14.5**	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		**0.478**	mg/L	100	0.00100
Xylene		**0.495**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		8.69	mg/L	100	10.0	87	65.9 - 129.8
4-Bromofluorobenzene (4-BFB)		7.67	mg/L	100	10.0	77	51.1 - 118.8

Method Blank (1) QC Batch: 67848

QC Batch: 67848 | Date Analyzed: 2010-02-25 | Analyzed By: AG
Prep Batch: 58042 | QC Preparation: 2010-02-25 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000300	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000900	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0956	mg/L	1	0.100	96	73.6 - 126.6
4-Bromofluorobenzene (4-BFB)		0.0849	mg/L	1	0.100	85	62.6 - 117.5

Laboratory Control Spike (LCS-1)

QC Batch: 67848 | Date Analyzed: 2010-02-25 | Analyzed By: AG
Prep Batch: 58042 | QC Preparation: 2010-02-25 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0879	mg/L	1	0.100	<0.000300	88	79.4 - 112.4
Toluene	0.0874	mg/L	1	0.100	<0.000200	87	79.3 - 110
Ethylbenzene	0.0867	mg/L	1	0.100	<0.000200	87	73.8 - 113.1
Xylene	0.262	mg/L	1	0.300	<0.000900	87	73.9 - 113.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0929	mg/L	1	0.100	<0.000300	93	79.4 - 112.4	6	20
Toluene	0.0928	mg/L	1	0.100	<0.000200	93	79.3 - 110	6	20
Ethylbenzene	0.0924	mg/L	1	0.100	<0.000200	92	73.8 - 113.1	6	20
Xylene	0.279	mg/L	1	0.300	<0.000900	93	73.9 - 113.6	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0844	0.0916	mg/L	1	0.100	84	92	76.2 - 129.6
4-Bromofluorobenzene (4-BFB)	0.0892	0.0971	mg/L	1	0.100	89	97	77.9 - 119.8

Matrix Spike (MS-1) Spiked Sample: 223206

QC Batch: 67848 | Date Analyzed: 2010-02-25 | Analyzed By: AG
Prep Batch: 58042 | QC Preparation: 2010-02-25 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.84	mg/L	5	0.500	1.3635	95	77.3 - 117.4
Toluene	0.475	mg/L	5	0.500	0.0375	88	75 - 111.8
Ethylbenzene	0.479	mg/L	5	0.500	0.0456	87	78.8 - 106.6
Xylene	1.37	mg/L	5	1.50	0.0733	86	68.9 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.81	mg/L	5	0.500	1.3635	89	77.3 - 117.4	2	20
Toluene	0.482	mg/L	5	0.500	0.0375	89	75 - 111.8	2	20
Ethylbenzene	0.491	mg/L	5	0.500	0.0456	89	78.8 - 106.6	2	20
Xylene	1.41	mg/L	5	1.50	0.0733	89	68.9 - 114	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.434	0.427	mg/L	5	0.5	87	85	76.3 - 129.8
4-Bromofluorobenzene (4-BFB)	0.455	0.455	mg/L	5	0.5	91	91	75.2 - 112.8

Standard (CCV-1)

QC Batch: 67848 | Date Analyzed: 2010-02-25 | Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0902	90	80 - 120	2010-02-25
Toluene		mg/L	0.100	0.0905	90	80 - 120	2010-02-25
Ethylbenzene		mg/L	0.100	0.0900	90	80 - 120	2010-02-25
Xylene		mg/L	0.300	0.271	90	80 - 120	2010-02-25

Standard (CCV-2)

QC Batch: 67848 | Date Analyzed: 2010-02-25 | Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0907	91	80 - 120	2010-02-25
Toluene		mg/L	0.100	0.0898	90	80 - 120	2010-02-25
Ethylbenzene		mg/L	0.100	0.0889	89	80 - 120	2010-02-25
Xylene		mg/L	0.300	0.268	89	80 - 120	2010-02-25

Standard (CCV-3)

QC Batch: 67848 Date Analyzed: 2010-02-25 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0919	92	80 - 120	2010-02-25
Toluene		mg/L	0.100	0.0910	91	80 - 120	2010-02-25
Ethylbenzene		mg/L	0.100	0.0904	90	80 - 120	2010-02-25
Xylene		mg/L	0.300	0.272	91	80 - 120	2010-02-25

LAB Order ID # 10021934

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Talon/LPE
Phone #: 432-522-2133
Address: (Street, City, Zip) 2901 Rankin Hwy.
Fax #:
Contact Person: Steve Killingsworth
E-mail: SKillingsworth@talonlpe.com
Invoice to: (If different from above) PLAINS SR5# 2002-10273 Jason Henry
Project #: 760376.045.01
Project Name: Moore to Jal #2
Project Location (including state): Lovington, N.M.
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time If different from standard	Hold
223199	MW-2	3	VOA	X				X				X		2/18/10	1320		X																							
200	MW-4	3													1313		X																							
201	MW-8	3													1518		X																							
202	MW-10	3													1327		X																							
203	MW-11	3													1344		X																							
204	MW-12	3													1416		X																							
205	MW-13	3													1511		X																							

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST / OBS / COR
	Talon/LPE	2/19	0700		TALON	2/19	0700	INST ___ °C OBS ___ °C COR ___ °C
	TALON	2/19			Trace	2/19/10	11:47	INST ___ °C OBS 6.0 °C COR 3.9 °C
								INST ___ °C OBS ___ °C COR ___ °C

LAB USE ONLY
Intact (Y) / N
Headspace Y / N / NA
3.9°C
Log-In-Review

REMARKS:
All tests-Midland

- Dry Weight Basis Required
- TRRP Report Required
- Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

Carrier # Carry-In

Summary Report

Steve Killingsworth
Talon LPE-Midland
2901 State Highway 349
Midland, TX 79706

Report Date: April 20, 2010

Work Order: 10041426

Project Location: Lea County, NM
Project Name: Moore to Jal #2
Project Number: 700376.045.01
SRS #: 2002-10273

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
228532	MW-16	water	2010-04-13	14:47	2010-04-14
228533	MW-15	water	2010-04-13	16:00	2010-04-14
228534	MW-14	water	2010-04-13	17:14	2010-04-14

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
228532 - MW-16	<0.00100	<0.00100	<0.00100	<0.00100
228533 - MW-15	<0.00100	<0.00100	<0.00100	<0.00100
228534 - MW-14	<0.00100	<0.00100	<0.00100	<0.00100

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Steve Killingsworth
Talon LPE-Midland
2901 State Highway 349
Midland, TX, 79706

Report Date: April 20, 2010

Work Order: 10041426

Project Location: Lea County, NM
Project Name: Moore to Jal #2
Project Number: 700376.045.01
SRS #: 2002-10273

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
228532	MW-16	water	2010-04-13	14:47	2010-04-14
228533	MW-15	water	2010-04-13	16:00	2010-04-14
228534	MW-14	water	2010-04-13	17:14	2010-04-14

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Moore to Jal #2 were received by TraceAnalysis, Inc. on 2010-04-14 and assigned to work order 10041426. Samples for work order 10041426 were received intact without headspace and at a temperature of 2.1 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	59262	2010-04-19 at 14:00	69226	2010-04-19 at 15:01

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10041426 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 228532 - MW-16

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	69226	Date Analyzed:	2010-04-19	Analyzed By:	AG
Prep Batch:	59262	Sample Preparation:	2010-04-19	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0958	mg/L	1	0.100	96	65.2 - 130.3
4-Bromofluorobenzene (4-BFB)		0.0780	mg/L	1	0.100	78	51.1 - 121.7

Sample: 228533 - MW-15

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	69226	Date Analyzed:	2010-04-19	Analyzed By:	AG
Prep Batch:	59262	Sample Preparation:	2010-04-19	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0879	mg/L	1	0.100	88	65.2 - 130.3
4-Bromofluorobenzene (4-BFB)		0.0685	mg/L	1	0.100	68	51.1 - 121.7

Sample: 228534 - MW-14

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	69226	Date Analyzed:	2010-04-19	Analyzed By:	AG
Prep Batch:	59262	Sample Preparation:	2010-04-19	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0903	mg/L	1	0.100	90	65.2 - 130.3
4-Bromofluorobenzene (4-BFB)		0.0699	mg/L	1	0.100	70	51.1 - 121.7

Method Blank (1) QC Batch: 69226

QC Batch: 69226 Date Analyzed: 2010-04-19 Analyzed By: AG
Prep Batch: 59262 QC Preparation: 2010-04-19 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000300	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000900	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0969	mg/L	1	0.100	97	73.6 - 126.6
4-Bromofluorobenzene (4-BFB)		0.0819	mg/L	1	0.100	82	62.6 - 117.5

Laboratory Control Spike (LCS-1)

QC Batch: 69226 Date Analyzed: 2010-04-19 Analyzed By: AG
Prep Batch: 59262 QC Preparation: 2010-04-19 Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.101	mg/L	1	0.100	<0.000300	101	79.4 - 112.4
Toluene	0.0995	mg/L	1	0.100	<0.000200	100	79.3 - 110
Ethylbenzene	0.0967	mg/L	1	0.100	<0.000200	97	73.8 - 113.1
Xylene	0.293	mg/L	1	0.300	<0.000900	98	73.9 - 113.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.100	mg/L	1	0.100	<0.000300	100	79.4 - 112.4	1	20
Toluene	0.0991	mg/L	1	0.100	<0.000200	99	79.3 - 110	0	20
Ethylbenzene	0.0970	mg/L	1	0.100	<0.000200	97	73.8 - 113.1	0	20
Xylene	0.294	mg/L	1	0.300	<0.000900	98	73.9 - 113.6	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0869	0.0913	mg/L	1	0.100	87	91	73.2 - 129.6
4-Bromofluorobenzene (4-BFB)	0.0902	0.0969	mg/L	1	0.100	90	97	77.9 - 119.8

Matrix Spike (MS-1) Spiked Sample: 228758

QC Batch: 69226 | Date Analyzed: 2010-04-19 | Analyzed By: AG
Prep Batch: 59262 | QC Preparation: 2010-04-19 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.102	mg/L	1	0.100	<0.000300	102	77.3 - 117.4
Toluene	0.101	mg/L	1	0.100	<0.000200	101	75 - 111.8
Ethylbenzene	0.0986	mg/L	1	0.100	<0.000200	99	78.8 - 106.6
Xylene	0.298	mg/L	1	0.300	<0.000900	99	68.9 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.102	mg/L	1	0.100	<0.000300	102	77.3 - 117.4	0	20
Toluene	0.102	mg/L	1	0.100	<0.000200	102	75 - 111.8	1	20
Ethylbenzene	0.0988	mg/L	1	0.100	<0.000200	99	78.8 - 106.6	0	20
Xylene	0.300	mg/L	1	0.300	<0.000900	100	68.9 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0839	0.0841	mg/L	1	0.1	84	84	76.3 - 129.8
4-Bromofluorobenzene (4-BFB)	0.0878	0.0878	mg/L	1	0.1	88	88	75.2 - 112.8

Standard (CCV-1)

QC Batch: 69226 | Date Analyzed: 2010-04-19 | Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0971	97	80 - 120	2010-04-19
Toluene		mg/L	0.100	0.0958	96	80 - 120	2010-04-19
Ethylbenzene		mg/L	0.100	0.0940	94	80 - 120	2010-04-19
Xylene		mg/L	0.300	0.284	95	80 - 120	2010-04-19

Standard (CCV-2)

QC Batch: 69226 Date Analyzed: 2010-04-19 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0989	99	80 - 120	2010-04-19
Toluene		mg/L	0.100	0.0977	98	80 - 120	2010-04-19
Ethylbenzene		mg/L	0.100	0.0956	96	80 - 120	2010-04-19
Xylene		mg/L	0.300	0.290	97	80 - 120	2010-04-19

LAB Order ID: 10041426

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296

5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313

200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: Talon/LPE	**Phone #:** 432-522-2133
Address: (Street, City, Zip) 2901 Rankin Hwy.	**Fax #:**
Contact Person: Steve Killingsworth	**E-mail:** SKillingsworth@talonlpe.com
Invoice to: (If different from above) PLAINS Jason Henry	SRS# 2002-10273
Project #: 700376.045.01	**Project Name:** Moore to Jal #2
Project Location (including state): Lovington, N.M.	**Sampler Signature:** Carl Vessels

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
28832	MW-16	3	VOA	X				X				X		4/13/10	1447		X																
5-33	MW-15	3	VOA	X				X				X		4/13/10	1600		X																
5-34	MW-14	3	VOA	X				X				X		4/13/10	1714		X																

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST / OBS / COR
Carl Vessels	TALON	4/14/10	0700	SR Killingsworth	TALON	4/14	0700	°C
SR Killingsworth	TALON	4/14	1200		Trac	4/14/10	12:00	OBS 2.1 °C

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-In-Review

REMARKS:

All tests - Midland

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

Carrier # Carrier

Summary Report

Steve Killingsworth
Talon LPE-Midland
2901 State Highway 349
Midland, TX 79706

Report Date: June 25, 2010

Work Order: 10061707

Project Location: Lea County, NM
Project Name: Moore to Jal #2
Project Number: 700376.045.01
SRS #: 2002-10273

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
234754	MW-2	water	2010-06-16	13:19	2010-06-17
234755	MW-4	water	2010-06-16	13:23	2010-06-17
234756	MW-8	water	2010-06-16	13:05	2010-06-17
234757	MW-10	water	2010-06-16	15:50	2010-06-17
234758	MW-11	water	2010-06-16	16:30	2010-06-17
234759	MW-12	water	2010-06-16	14:10	2010-06-17
234760	MW-13	water	2010-06-16	13:55	2010-06-17
234761	MW-14	water	2010-06-16	12:00	2010-06-17
234762	MW-15	water	2010-06-16	11:00	2010-06-17
234763	MW-16	water	2010-06-16	09:45	2010-06-17

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
234754 - MW-2	**0.0202**	**0.0269**	**0.00140**	**0.0173**
234755 - MW-4	**16.9**	<0.200	**0.620**	<0.200
234756 - MW-8	**8.30**	**1.43**	**0.340**	**0.755**
234757 - MW-10	**0.00160**	<0.00100	<0.00100	**0.00280**
234758 - MW-11	**0.00990**	**0.00410**	**0.00120**	**0.00330**
234759 - MW-12	**0.0272**	**0.00980**	**0.00230**	**0.00390**
234760 - MW-13	**11.3**	<0.100	**0.229**	**0.384**
234761 - MW-14	<0.00100	<0.00100	<0.00100	<0.00100
234762 - MW-15	<0.00100	<0.00100	<0.00100	<0.00100
234763 - MW-16	**0.00200**	<0.00100	<0.00100	<0.00100

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Steve Killingsworth
Talon LPE-Midland
2901 State Highway 349
Midland, TX, 79706

Report Date: June 25, 2010

Work Order: 10061707

Project Location: Lea County, NM
Project Name: Moore to Jal #2
Project Number: 700376.045.01
SRS #: 2002-10273

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
234754	MW-2	water	2010-06-16	13:19	2010-06-17
234755	MW-4	water	2010-06-16	13:23	2010-06-17
234756	MW-8	water	2010-06-16	13:05	2010-06-17
234757	MW-10	water	2010-06-16	15:50	2010-06-17
234758	MW-11	water	2010-06-16	16:30	2010-06-17
234759	MW-12	water	2010-06-16	14:10	2010-06-17
234760	MW-13	water	2010-06-16	13:55	2010-06-17
234761	MW-14	water	2010-06-16	12:00	2010-06-17
234762	MW-15	water	2010-06-16	11:00	2010-06-17
234763	MW-16	water	2010-06-16	09:45	2010-06-17

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 10 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Blair Leftwich

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Moore to Jal #2 were received by TraceAnalysis, Inc. on 2010-06-17 and assigned to work order 10061707. Samples for work order 10061707 were received intact without headspace and at a temperature of 4.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	60823	2010-06-18 at 09:30	71002	2010-06-18 at 11:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10061707 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 234754 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71002	Date Analyzed:	2010-06-18	Analyzed By:	AG
Prep Batch:	60823	Sample Preparation:	2010-06-18	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0202**	mg/L	1	0.00100
Toluene		**0.0269**	mg/L	1	0.00100
Ethylbenzene		**0.00140**	mg/L	1	0.00100
Xylene		**0.0173**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.110	mg/L	1	0.100	110	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	51.1 - 128

Sample: 234755 - MW-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71002	Date Analyzed:	2010-06-18	Analyzed By:	AG
Prep Batch:	60823	Sample Preparation:	2010-06-18	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**16.9**	mg/L	200	0.00100
Toluene		<0.200	mg/L	200	0.00100
Ethylbenzene		**0.620**	mg/L	200	0.00100
Xylene		<0.200	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		20.7	mg/L	200	20.0	104	67.8 - 126
4-Bromofluorobenzene (4-BFB)		19.3	mg/L	200	20.0	96	51.1 - 128

Sample: 234756 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71002	Date Analyzed:	2010-06-18	Analyzed By:	AG
Prep Batch:	60823	Sample Preparation:	2010-06-18	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**8.30**	mg/L	100	0.00100
Toluene		**1.43**	mg/L	100	0.00100
Ethylbenzene		**0.340**	mg/L	100	0.00100
Xylene		**0.755**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.4	mg/L	100	10.0	104	67.8 - 126
4-Bromofluorobenzene (4-BFB)		9.55	mg/L	100	10.0	96	51.1 - 128

Sample: 234757 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71002	Date Analyzed:	2010-06-18	Analyzed By:	AG
Prep Batch:	60823	Sample Preparation:	2010-06-18	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00160**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.00280**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.111	mg/L	1	0.100	111	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	51.1 - 128

Sample: 234758 - MW-11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71002	Date Analyzed:	2010-06-18	Analyzed By:	AG
Prep Batch:	60823	Sample Preparation:	2010-06-18	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00990**	mg/L	1	0.00100
Toluene		**0.00410**	mg/L	1	0.00100
Ethylbenzene		**0.00120**	mg/L	1	0.00100
Xylene		**0.00330**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.108	mg/L	1	0.100	108	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0981	mg/L	1	0.100	98	51.1 - 128

Sample: 234759 - MW-12

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71002	Date Analyzed:	2010-06-18	Analyzed By:	AG
Prep Batch:	60823	Sample Preparation:	2010-06-18	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0272**	mg/L	1	0.00100
Toluene		**0.00980**	mg/L	1	0.00100
Ethylbenzene		**0.00230**	mg/L	1	0.00100
Xylene		**0.00390**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.106	mg/L	1	0.100	106	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0984	mg/L	1	0.100	98	51.1 - 128

Sample: 234760 - MW-13

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71002	Date Analyzed:	2010-06-18	Analyzed By:	AG
Prep Batch:	60823	Sample Preparation:	2010-06-18	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**11.3**	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		**0.229**	mg/L	100	0.00100
Xylene		**0.384**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.4	mg/L	100	10.0	104	67.8 - 126
4-Bromofluorobenzene (4-BFB)		9.72	mg/L	100	10.0	97	51.1 - 128

Sample: 234761 - MW-14

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71002	Date Analyzed:	2010-06-18	Analyzed By:	AG
Prep Batch:	60823	Sample Preparation:	2010-06-18	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.120	mg/L	1	0.100	120	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.112	mg/L	1	0.100	112	51.1 - 128

Sample: 234762 - MW-15

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71002	Date Analyzed:	2010-06-18	Analyzed By:	AG
Prep Batch:	60823	Sample Preparation:	2010-06-18	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.110	mg/L	1	0.100	110	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	51.1 - 128

Sample: 234763 - MW-16

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71002	Date Analyzed:	2010-06-18	Analyzed By:	AG
Prep Batch:	60823	Sample Preparation:	2010-06-18	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00200**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.114	mg/L	1	0.100	114	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.106	mg/L	1	0.100	106	51.1 - 128

Method Blank (1) QC Batch: 71002

QC Batch: 71002 | Date Analyzed: 2010-06-18 | Analyzed By: AG
Prep Batch: 60823 | QC Preparation: 2010-06-18 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000600	mg/L	0.001
Toluene		<0.000600	mg/L	0.001
Ethylbenzene		<0.000800	mg/L	0.001
Xylene		<0.000767	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.103	mg/L	1	0.100	103	70.2 - 118
4-Bromofluorobenzene (4-BFB)		0.0992	mg/L	1	0.100	99	47.3 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 71002 | Date Analyzed: 2010-06-18 | Analyzed By: AG
Prep Batch: 60823 | QC Preparation: 2010-06-18 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.102	mg/L	1	0.100	<0.000600	102	82.9 - 108
Toluene	0.100	mg/L	1	0.100	<0.000600	100	82.7 - 107
Ethylbenzene	0.0945	mg/L	1	0.100	<0.000800	94	78.8 - 106
Xylene	0.285	mg/L	1	0.300	<0.000767	95	79.3 - 106

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0944	mg/L	1	0.100	<0.000600	94	82.9 - 108	8	20
Toluene	0.0943	mg/L	1	0.100	<0.000600	94	82.7 - 107	6	20
Ethylbenzene	0.0910	mg/L	1	0.100	<0.000800	91	78.8 - 106	4	20
Xylene	0.274	mg/L	1	0.300	<0.000767	91	79.3 - 106	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0969	0.106	mg/L	1	0.100	97	106	67.3 - 113
4-Bromofluorobenzene (4-BFB)	0.0953	0.103	mg/L	1	0.100	95	103	68.2 - 124

Matrix Spike (MS-1) Spiked Sample: 234755

QC Batch: 71002 | Date Analyzed: 2010-06-18 | Analyzed By: AG
Prep Batch: 60823 | QC Preparation: 2010-06-18 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	38.4	mg/L	200	20.0	16.8695	108	77.9 - 114
Toluene	19.9	mg/L	200	20.0	<0.120	100	78.3 - 111
Ethylbenzene	19.6	mg/L	200	20.0	0.6203	95	75.3 - 110
Xylene	56.8	mg/L	200	60.0	<0.153	95	75.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	36.6	mg/L	200	20.0	16.8695	99	77.9 - 114	5	20
Toluene	19.4	mg/L	200	20.0	<0.120	97	78.3 - 111	2	20
Ethylbenzene	19.3	mg/L	200	20.0	0.6203	93	75.3 - 110	2	20
Xylene	56.4	mg/L	200	60.0	<0.153	94	75.7 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT) [1]	20.9	21.5	mg/L	200	20	104	108	68.3 - 107
4-Bromofluorobenzene (4-BFB)	20.5	21.0	mg/L	200	20	102	105	60.1 - 135

Standard (CCV-1)

QC Batch: 71002 | Date Analyzed: 2010-06-18 | Analyzed By: AG

[1]High surrogate recovery due to peak interference.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0999	100	80 - 120	2010-06-18
Toluene		mg/L	0.100	0.0981	98	80 - 120	2010-06-18
Ethylbenzene		mg/L	0.100	0.0894	89	80 - 120	2010-06-18
Xylene		mg/L	0.300	0.277	92	80 - 120	2010-06-18

Standard (CCV-2)

QC Batch: 71002 Date Analyzed: 2010-06-18 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0966	97	80 - 120	2010-06-18
Toluene		mg/L	0.100	0.0964	96	80 - 120	2010-06-18
Ethylbenzene		mg/L	0.100	0.0939	94	80 - 120	2010-06-18
Xylene		mg/L	0.300	0.283	94	80 - 120	2010-06-18

Standard (CCV-3)

QC Batch: 71002 Date Analyzed: 2010-06-18 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0988	99	80 - 120	2010-06-18
Toluene		mg/L	0.100	0.0983	98	80 - 120	2010-06-18
Ethylbenzene		mg/L	0.100	0.0955	96	80 - 120	2010-06-18
Xylene		mg/L	0.300	0.287	96	80 - 120	2010-06-18

LAB Order # 10061707

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Talon/LPE
Phone #: 432-522-2133
Address: (Street, City, Zip) 2901 Rankin Hwy.
Fax #:
Contact Person: Steve Killingsworth
E-mail: SKillingsworth@talonlpe.com
Invoice to: (If different from above) PLAINS Jason Henry SRST 2002-10273
Project #: 700376.045.01
Project Name: Moore to Jal #2
Project Location (including state): Lovington, N.M.
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
234754	MW-2	3	VOA	X				X				X		6/11/10	1319
755	MW-4	3													1323
756	MW-8	3													1305
757	MW-10	3													1550
758	MW-11	3													1630
769	MW-12	3													1410
760	MW-13	3													1355
761	MW-14	3													1200
762	MW-15	3													1100
763	MW-16	3													0945

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time if different from standard	Hold
	X																						

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	Talon/LPE				TALON	6/12/10	0760	INST ___ OBS ___ °C COR ___ °C
	TALON	6/12/10	9:55		Trace	6/17/10	9155	INST ___ OBS 4.0 °C COR ___ °C
								INST ___ OBS ___ °C COR ___ °C

LAB USE ONLY
Intact (Y) / N
Headspace Y (N) NA
Log-in-Review

REMARKS:
*All tests Midland

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier #

Summary Report

Steve Killingsworth
Talon LPE-Midland
2901 State Highway 349
Midland, TX 79706

Report Date: October 6, 2010

Work Order: 10092903

Project Location: Lea County, NM
Project Name: Moore to Jal #2
Project Number: 700376.045.01
SRS #: 2002-10273

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
246086	MW 2	water	2010-09-28	12:37	2010-09-29
246087	MW 4	water	2010-09-28	12:45	2010-09-29
246088	MW 8	water	2010-09-28	15:15	2010-09-29
246089	MW 10	water	2010-09-28	12:18	2010-09-29
246090	MW 11	water	2010-09-28	13:06	2010-09-29
246091	MW 12	water	2010-09-28	13:32	2010-09-29
246092	MW 13	water	2010-09-28	14:15	2010-09-29
246093	MW 14	water	2010-09-28	15:40	2010-09-29
246094	MW 15	water	2010-09-28	16:07	2010-09-29
246095	MW 16	water	2010-09-28	16:30	2010-09-29
246096	MW 17	water	2010-09-28	17:44	2010-09-29
246097	MW 18	water	2010-09-28	17:56	2010-09-29
246098	MW 19	water	2010-09-28	18:55	2010-09-29
246099	MW 20	water	2010-09-28	19:05	2010-09-29
246100	MW 21	water	2010-09-28	19:25	2010-09-29

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
246086 - MW 2	**0.0140**	**0.0249**	<0.00100	**0.0166**
246087 - MW 4	**9.66**	<0.200	<0.200	<0.200
246088 - MW 8	**10.3**	**2.05**	**0.464**	**0.872**
246089 - MW 10	**0.00160**	<0.00100	<0.00100	<0.00100
246090 - MW 11	<0.00100	<0.00100	<0.00100	<0.00100
246091 - MW 12	**0.00110**	<0.00100	<0.00100	<0.00100
246092 - MW 13	**16.3**	<0.100	**0.397**	**0.257**
246093 - MW 14	**0.00320**	**0.00130**	<0.00100	<0.00100
246094 - MW 15	<0.00100	<0.00100	<0.00100	<0.00100

continued ...

... continued

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
246095 - MW 16	**0.00270**	<0.00100	<0.00100	<0.00100
246096 - MW 17	**0.0729**	**0.00440**	<0.00100	**0.00610**
246097 - MW 18	**0.111**	**0.00220**	<0.00100	**0.00310**
246098 - MW 19	**0.0854**	<0.00100	<0.00100	**0.00330**
246099 - MW 20	**0.00170**	<0.00100	<0.00100	<0.00100
246100 - MW 21	**0.00140**	**0.00150**	<0.00100	<0.00100

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Steve Killingsworth
Talon LPE-Midland
2901 State Highway 349
Midland, TX, 79706

Report Date: October 6, 2010

Work Order: 10092903

Project Location: Lea County, NM
Project Name: Moore to Jal #2
Project Number: 700376.045.01
SRS #: 2002-10273

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
246086	MW 2	water	2010-09-28	12:37	2010-09-29
246087	MW 4	water	2010-09-28	12:45	2010-09-29
246088	MW 8	water	2010-09-28	15:15	2010-09-29
246089	MW 10	water	2010-09-28	12:18	2010-09-29
246090	MW 11	water	2010-09-28	13:06	2010-09-29
246091	MW 12	water	2010-09-28	13:32	2010-09-29
246092	MW 13	water	2010-09-28	14:15	2010-09-29
246093	MW 14	water	2010-09-28	15:40	2010-09-29
246094	MW 15	water	2010-09-28	16:07	2010-09-29

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
246095	MW 16	water	2010-09-28	16:30	2010-09-29
246096	MW 17	water	2010-09-28	17:44	2010-09-29
246097	MW 18	water	2010-09-28	17:56	2010-09-29
246098	MW 19	water	2010-09-28	18:55	2010-09-29
246099	MW 20	water	2010-09-28	19:05	2010-09-29
246100	MW 21	water	2010-09-28	19:25	2010-09-29

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Moore to Jal #2 were received by TraceAnalysis, Inc. on 2010-09-29 and assigned to work order 10092903. Samples for work order 10092903 were received intact without headspace and at a temperature of 2.2 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	63552	2010-10-04 at 11:00	74093	2010-10-04 at 12:50
BTEX	S 8021B	63569	2010-10-05 at 10:39	74116	2010-10-05 at 10:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10092903 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 246086 - MW 2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	Sample Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0140**	mg/L	1	0.00100
Toluene		**0.0249**	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.0166**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0865	mg/L	1	0.100	86	66.2 - 107
4-Bromofluorobenzene (4-BFB)		0.0816	mg/L	1	0.100	82	39 - 138

Sample: 246087 - MW 4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	Sample Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**9.66**	mg/L	200	0.00100
Toluene		<0.200	mg/L	200	0.00100
Ethylbenzene		<0.200	mg/L	200	0.00100
Xylene		<0.200	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		18.9	mg/L	200	20.0	94	66.2 - 107
4-Bromofluorobenzene (4-BFB)		16.0	mg/L	200	20.0	80	39 - 138

Sample: 246088 - MW 8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	Sample Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**10.3**	mg/L	100	0.00100
Toluene		**2.05**	mg/L	100	0.00100
Ethylbenzene		**0.464**	mg/L	100	0.00100
Xylene		**0.872**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.08	mg/L	100	10.0	91	66.2 - 107
4-Bromofluorobenzene (4-BFB)		7.73	mg/L	100	10.0	77	39 - 138

Sample: 246089 - MW 10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	Sample Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00160**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0866	mg/L	1	0.100	87	66.2 - 107
4-Bromofluorobenzene (4-BFB)		0.0817	mg/L	1	0.100	82	39 - 138

Sample: 246090 - MW 11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	Sample Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0863	mg/L	1	0.100	86	66.2 - 107
4-Bromofluorobenzene (4-BFB)		0.0817	mg/L	1	0.100	82	39 - 138

Sample: 246091 - MW 12

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	Sample Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00110**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0868	mg/L	1	0.100	87	66.2 - 107
4-Bromofluorobenzene (4-BFB)		0.0822	mg/L	1	0.100	82	39 - 138

Sample: 246092 - MW 13

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	Sample Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**16.3**	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		**0.397**	mg/L	100	0.00100
Xylene		**0.257**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.03	mg/L	100	10.0	90	66.2 - 107
4-Bromofluorobenzene (4-BFB)		8.26	mg/L	100	10.0	83	39 - 138

Sample: 246093 - MW 14

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	Sample Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		**0.00320**		mg/L	1	0.00100
Toluene		**0.00130**		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0886	mg/L	1	0.100	89	66.2 - 107
4-Bromofluorobenzene (4-BFB)		0.0820	mg/L	1	0.100	82	39 - 138

Sample: 246094 - MW 15

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	Sample Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0884	mg/L	1	0.100	88	66.2 - 107
4-Bromofluorobenzene (4-BFB)		0.0833	mg/L	1	0.100	83	39 - 138

Sample: 246095 - MW 16

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	Sample Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00270**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0865	mg/L	1	0.100	86	66.2 - 107
4-Bromofluorobenzene (4-BFB)		0.0818	mg/L	1	0.100	82	39 - 138

Sample: 246096 - MW 17

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	Sample Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0729**	mg/L	1	0.00100
Toluene		**0.00440**	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.00610**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0884	mg/L	1	0.100	88	66.2 - 107
4-Bromofluorobenzene (4-BFB)		0.0837	mg/L	1	0.100	84	39 - 138

Sample: 246097 - MW 18

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	Sample Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.111**	mg/L	1	0.00100
Toluene		**0.00220**	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.00310**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0864	mg/L	1	0.100	86	66.2 - 107
4-Bromofluorobenzene (4-BFB)		0.0821	mg/L	1	0.100	82	39 - 138

Sample: 246098 - MW 19

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	Sample Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0854**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.00330**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0891	mg/L	1	0.100	89	66.2 - 107
4-Bromofluorobenzene (4-BFB)		0.0812	mg/L	1	0.100	81	39 - 138

Sample: 246099 - MW 20

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74116	Date Analyzed:	2010-10-05	Analyzed By:	AG
Prep Batch:	63569	Sample Preparation:	2010-10-05	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00170**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0884	mg/L	1	0.100	88	66.2 - 107
4-Bromofluorobenzene (4-BFB)		0.0834	mg/L	1	0.100	83	39 - 138

Sample: 246100 - MW 21

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	74116	Date Analyzed:	2010-10-05	Analyzed By:	AG
Prep Batch:	63569	Sample Preparation:	2010-10-05	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00140**	mg/L	1	0.00100
Toluene		**0.00150**	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0876	mg/L	1	0.100	88	66.2 - 107
4-Bromofluorobenzene (4-BFB)		0.0809	mg/L	1	0.100	81	39 - 138

Method Blank (1) QC Batch: 74093

QC Batch:	74093	Date Analyzed:	2010-10-04	Analyzed By:	AG
Prep Batch:	63552	QC Preparation:	2010-10-04	Prepared By:	AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000400	mg/L	0.001
Toluene		<0.000800	mg/L	0.001
Ethylbenzene		<0.000400	mg/L	0.001
Xylene		<0.000400	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0883	mg/L	1	0.100	88	61.8 - 106
4-Bromofluorobenzene (4-BFB)		0.0810	mg/L	1	0.100	81	48.5 - 129

Method Blank (1) QC Batch: 74116

QC Batch:	74116	Date Analyzed:	2010-10-05	Analyzed By:	AG
Prep Batch:	63569	QC Preparation:	2010-10-05	Prepared By:	AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000400	mg/L	0.001
Toluene		<0.000800	mg/L	0.001

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Ethylbenzene		<0.000400	mg/L	0.001
Xylene		<0.000400	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0868	mg/L	1	0.100	87	61.8 - 106
4-Bromofluorobenzene (4-BFB)		0.0787	mg/L	1	0.100	79	48.5 - 129

Laboratory Control Spike (LCS-1)

QC Batch: 74093 | Date Analyzed: 2010-10-04 | Analyzed By: AG
Prep Batch: 63552 | QC Preparation: 2010-10-04 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0934	mg/L	1	0.100	<0.000400	93	80.7 - 117
Toluene	0.0938	mg/L	1	0.100	<0.000800	94	80.5 - 117
Ethylbenzene	0.0925	mg/L	1	0.100	<0.000400	92	79.2 - 117
Xylene	0.275	mg/L	1	0.300	<0.000400	92	74.1 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0954	mg/L	1	0.100	<0.000400	95	80.7 - 117	2	20
Toluene	0.0961	mg/L	1	0.100	<0.000800	96	80.5 - 117	2	20
Ethylbenzene	0.0951	mg/L	1	0.100	<0.000400	95	79.2 - 117	3	20
Xylene	0.283	mg/L	1	0.300	<0.000400	94	74.1 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0872	0.0877	mg/L	1	0.100	87	88	72.5 - 126
4-Bromofluorobenzene (4-BFB)	0.0826	0.0833	mg/L	1	0.100	83	83	48.3 - 135

Laboratory Control Spike (LCS-1)

QC Batch: 74116 | Date Analyzed: 2010-10-05 | Analyzed By: AG
Prep Batch: 63569 | QC Preparation: 2010-10-05 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0948	mg/L	1	0.100	<0.000400	95	80.7 - 117
Toluene	0.0955	mg/L	1	0.100	<0.000800	96	80.5 - 117
Ethylbenzene	0.0946	mg/L	1	0.100	<0.000400	95	79.2 - 117
Xylene	0.280	mg/L	1	0.300	<0.000400	93	74.1 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0933	mg/L	1	0.100	<0.000400	93	80.7 - 117	2	20
Toluene	0.0942	mg/L	1	0.100	<0.000800	94	80.5 - 117	1	20
Ethylbenzene	0.0947	mg/L	1	0.100	<0.000400	95	79.2 - 117	0	20
Xylene	0.280	mg/L	1	0.300	<0.000400	93	74.1 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0910	0.0905	mg/L	1	0.100	91	90	72.5 - 126
4-Bromofluorobenzene (4-BFB)	0.0822	0.0840	mg/L	1	0.100	82	84	48.3 - 135

Matrix Spike (MS-1) Spiked Sample: 246092

QC Batch: 74093 | Date Analyzed: 2010-10-04 | Analyzed By: AG
Prep Batch: 63552 | QC Preparation: 2010-10-04 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	24.9	mg/L	100	10.0	16.2877	86	60.9 - 132
Toluene	8.88	mg/L	100	10.0	<0.0800	89	65.7 - 129
Ethylbenzene	9.15	mg/L	100	10.0	0.3972	88	51.5 - 134
Xylene	26.2	mg/L	100	30.0	0.2571	86	62.6 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	25.0	mg/L	100	10.0	16.2877	87	60.9 - 132	0	20
Toluene	9.00	mg/L	100	10.0	<0.0800	90	65.7 - 129	1	20
Ethylbenzene	9.21	mg/L	100	10.0	0.3972	88	51.5 - 134	1	20
Xylene	26.2	mg/L	100	30.0	0.2571	86	62.6 - 124	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	8.24	8.67	mg/L	100	10	82	87	75.1 - 117

continued ...

matrix spikes continued ...

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	8.35	8.11	mg/L	100	10	84	81	31.3 - 143

Matrix Spike (MS-1) Spiked Sample: 246115

QC Batch: 74116 | Date Analyzed: 2010-10-05 | Analyzed By: AG
Prep Batch: 63569 | QC Preparation: 2010-10-05 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	16.4	mg/L	50	5.00	11.8446	91	60.9 - 132
Toluene	6.52	mg/L	50	5.00	1.9591	91	65.7 - 129
Ethylbenzene	4.97	mg/L	50	5.00	0.5182	89	51.5 - 134
Xylene	14.2	mg/L	50	15.0	0.8119	89	62.6 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	16.5	mg/L	50	5.00	11.8446	93	60.9 - 132	1	20
Toluene	6.60	mg/L	50	5.00	1.9591	93	65.7 - 129	1	20
Ethylbenzene	5.09	mg/L	50	5.00	0.5182	91	51.5 - 134	2	20
Xylene	14.4	mg/L	50	15.0	0.8119	90	62.6 - 124	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	4.06	4.47	mg/L	50	5	81	89	75.1 - 117
4-Bromofluorobenzene (4-BFB)	3.96	4.13	mg/L	50	5	79	83	31.3 - 143

Standard (CCV-1)

QC Batch: 74093 | Date Analyzed: 2010-10-04 | Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0936	94	80 - 120	2010-10-04
Toluene		mg/L	0.100	0.0940	94	80 - 120	2010-10-04
Ethylbenzene		mg/L	0.100	0.0925	92	80 - 120	2010-10-04
Xylene		mg/L	0.300	0.274	91	80 - 120	2010-10-04

Standard (CCV-2)

QC Batch: 74093 Date Analyzed: 2010-10-04 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0957	96	80 - 120	2010-10-04
Toluene		mg/L	0.100	0.0964	96	80 - 120	2010-10-04
Ethylbenzene		mg/L	0.100	0.0947	95	80 - 120	2010-10-04
Xylene		mg/L	0.300	0.280	93	80 - 120	2010-10-04

Standard (CCV-3)

QC Batch: 74093 Date Analyzed: 2010-10-04 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0885	88	80 - 120	2010-10-04
Toluene		mg/L	0.100	0.0894	89	80 - 120	2010-10-04
Ethylbenzene		mg/L	0.100	0.0885	88	80 - 120	2010-10-04
Xylene		mg/L	0.300	0.260	87	80 - 120	2010-10-04

Standard (CCV-2)

QC Batch: 74116 Date Analyzed: 2010-10-05 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0909	91	80 - 120	2010-10-05
Toluene		mg/L	0.100	0.0916	92	80 - 120	2010-10-05
Ethylbenzene		mg/L	0.100	0.0901	90	80 - 120	2010-10-05
Xylene		mg/L	0.300	0.267	89	80 - 120	2010-10-05

Standard (CCV-3)

QC Batch: 74116 Date Analyzed: 2010-10-05 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0863	86	80 - 120	2010-10-05
Toluene		mg/L	0.100	0.0873	87	80 - 120	2010-10-05
Ethylbenzene		mg/L	0.100	0.0866	87	80 - 120	2010-10-05

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Xylene		mg/L	0.300	0.256	85	80 - 120	2010-10-05

LAB Order ID # 10092903

Page 1 of 2

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Talon LPE — Phone #:

Address: (Street, City, Zip) — Fax #:

Contact Person: Steve Killingsworth — E-mail:

Invoice to: (If different from above) Plains 2002-10273

Project #: 200376,045,01 — Project Name: Moore to Jal #2

Project Location (including state): Hobbs NM — Sampler Signature: Brad Tang

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, SO4, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC						Turn Around Time if different from standard	Hold
246086	MW2	3		X				X				X		9-28-10	1237		X																							
087	MW4	↓		↓				↓				↓		↓	1245		↓																								
088	MW8														1515																										
089	MW10														1218																										
090	MW11														1306																										
091	MW12														1332																										
092	MW13														1415																										
093	MW14														1540																										
094	MW15														1607																										
095	MW16														1630																										
096	MW17	↓		↓				↓				↓		↓	1744		↓																								

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Brad Tang	Talon LPE	9/29/10	9:05		Trace	9/29/10	9:25	INST ____ OBS 2.2 °C COR ____ °C
	Trac	9/29/10	16:00					INST ____ OBS ____ °C COR ____ °C
								INST ____ OBS ____ °C COR ____ °C

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-In-Review

REMARKS:

All tests - Midland

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # Fedex

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

LAB Order ID # 10092903

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Talon LPE — Phone #:

Address: (Street, City, Zip) — Fax #:

Contact Person: Steve Killingsworth — E-mail:

Invoice to: (If different from above) Plains 2002-10273

Project #: 700376.045.01 — Project Name: Moore to Jal #2

Project Location (including state): Hobbs NM — Sampler Signature: Brad Ivy

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
246097	MW 18	3		X				X				X		9-28-10	1756
098	MW 19	↓		↓				↓				↓		↓	1855
099	MW 20														1905
100	MW 21	↓		↓				↓				↓		↓	1925

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, SO4, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
	X																			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Brad Ivy	Talon LPE	9-28-10	9:05		Trace	9/29/10	9:05	INST OBS 2.2 °C COR °C
	Trace	9/29/10	16:00					INST OBS °C COR °C
								INST OBS °C COR °C

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-In-Review

REMARKS:
* All tests - Midland

- [ ] Dry Weight Basis Required
- [ ] TRRP Report Required
- [ ] Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Courier

ORIGINAL COPY

Summary Report

Steve Killingsworth
Talon LPE-Midland
2901 State Highway 349
Midland, TX 79706

Report Date: December 29, 2010

Work Order: 10122402

Project Location: Lea County, NM
Project Name: Moore to Jal #2
Project Number: 700376.045.01
SRS #: 2002-10273

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
254255	MW 2	water	2010-12-23	11:45	2010-12-23
254256	MW 4	water	2010-12-23	11:30	2010-12-23
254257	MW 8	water	2010-12-23	13:40	2010-12-23
254258	MW 10	water	2010-12-23	10:48	2010-12-23
254259	MW 11	water	2010-12-23	10:38	2010-12-23
254260	MW 12	water	2010-12-23	10:58	2010-12-23
254261	MW 13	water	2010-12-23	13:20	2010-12-23
254262	MW 14	water	2010-12-23	11:05	2010-12-23
254263	MW 15	water	2010-12-23	11:15	2010-12-23
254264	MW 16	water	2010-12-23	11:20	2010-12-23
254265	MW 17	water	2010-12-23	12:40	2010-12-23
254266	MW 18	water	2010-12-23	12:20	2010-12-23
254267	MW 19	water	2010-12-23	13:00	2010-12-23
254268	MW 20	water	2010-12-23	14:20	2010-12-23
254269	MW 21	water	2010-12-23	14:40	2010-12-23

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
254255 - MW 2	**0.0388**	**0.0528**	**0.00540**	**0.0435**
254256 - MW 4	**11.0**	<0.200	**0.583**	<0.200
254257 - MW 8	**9.61**	**1.61**	**0.611**	**1.42**
254258 - MW 10	<0.00100	<0.00100	<0.00100	<0.00100
254259 - MW 11	<0.00100	<0.00100	<0.00100	<0.00100
254260 - MW 12	**0.0109**	**0.00830**	<0.00100	**0.00810**
254261 - MW 13	**6.14**	<0.100	<0.100	**0.858**
254262 - MW 14	<0.00100	<0.00100	<0.00100	<0.00100
254263 - MW 15	<0.00100	<0.00100	<0.00100	<0.00100

continued ...

This is only a summary. Please, refer to the complete report package for quality control data.

... continued

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
254264 - MW 16	<0.00100	<0.00100	<0.00100	<0.00100
254265 - MW 17	**0.175**	<0.00100	<0.00100	**0.0131**
254266 - MW 18	**0.431**	<0.00100	<0.00100	**0.0158**
254267 - MW 19	**0.120**	**0.00390**	<0.00100	**0.0138**
254268 - MW 20	<0.00100	<0.00100	<0.00100	<0.00100
254269 - MW 21	<0.00100	<0.00100	<0.00100	<0.00100

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Steve Killingsworth
Talon LPE-Midland
2901 State Highway 349
Midland, TX, 79706

Report Date: December 29, 2010

Work Order: 10122402

Project Location: Lea County, NM
Project Name: Moore to Jal #2
Project Number: 700376.045.01
SRS #: 2002-10273

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
254255	MW 2	water	2010-12-23	11:45	2010-12-23
254256	MW 4	water	2010-12-23	11:30	2010-12-23
254257	MW 8	water	2010-12-23	13:40	2010-12-23
254258	MW 10	water	2010-12-23	10:48	2010-12-23
254259	MW 11	water	2010-12-23	10:38	2010-12-23
254260	MW 12	water	2010-12-23	10:58	2010-12-23
254261	MW 13	water	2010-12-23	13:20	2010-12-23
254262	MW 14	water	2010-12-23	11:05	2010-12-23
254263	MW 15	water	2010-12-23	11:15	2010-12-23

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
254264	MW 16	water	2010-12-23	11:20	2010-12-23
254265	MW 17	water	2010-12-23	12:40	2010-12-23
254266	MW 18	water	2010-12-23	12:20	2010-12-23
254267	MW 19	water	2010-12-23	13:00	2010-12-23
254268	MW 20	water	2010-12-23	14:20	2010-12-23
254269	MW 21	water	2010-12-23	14:40	2010-12-23

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Moore to Jal #2 were received by TraceAnalysis, Inc. on 2010-12-23 and assigned to work order 10122402. Samples for work order 10122402 were received intact without headspace and at a temperature of 8.9 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	65631	2010-12-28 at 11:49	76536	2010-12-28 at 11:49

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10122402 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

Samples were received on ice.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 254255 - MW 2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0388**	mg/L	1	0.00100
Toluene		**0.0528**	mg/L	1	0.00100
Ethylbenzene		**0.00540**	mg/L	1	0.00100
Xylene		**0.0435**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.103	mg/L	1	0.100	103	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.114	mg/L	1	0.100	114	51.1 - 128

Sample: 254256 - MW 4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**11.0**	mg/L	200	0.00100
Toluene		<0.200	mg/L	200	0.00100
Ethylbenzene		**0.583**	mg/L	200	0.00100
Xylene		<0.200	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		15.6	mg/L	200	20.0	78	67.8 - 126
4-Bromofluorobenzene (4-BFB)		17.3	mg/L	200	20.0	86	51.1 - 128

Sample: 254257 - MW 8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**9.61**	mg/L	100	0.00100
Toluene		**1.61**	mg/L	100	0.00100
Ethylbenzene		**0.611**	mg/L	100	0.00100
Xylene		**1.42**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		7.89	mg/L	100	10.0	79	67.8 - 126
4-Bromofluorobenzene (4-BFB)		8.74	mg/L	100	10.0	87	51.1 - 128

Sample: 254258 - MW 10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0922	mg/L	1	0.100	92	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0995	mg/L	1	0.100	100	51.1 - 128

Sample: 254259 - MW 11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0918	mg/L	1	0.100	92	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0995	mg/L	1	0.100	100	51.1 - 128

Sample: 254260 - MW 12

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0109**	mg/L	1	0.00100
Toluene		**0.00830**	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.00810**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0930	mg/L	1	0.100	93	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	51.1 - 128

Sample: 254261 - MW 13

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**6.14**	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		<0.100	mg/L	100	0.00100
Xylene		**0.858**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		8.47	mg/L	100	10.0	85	67.8 - 126
4-Bromofluorobenzene (4-BFB)		9.22	mg/L	100	10.0	92	51.1 - 128

Sample: 254262 - MW 14

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0929	mg/L	1	0.100	93	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0996	mg/L	1	0.100	100	51.1 - 128

Sample: 254263 - MW 15

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0919	mg/L	1	0.100	92	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0990	mg/L	1	0.100	99	51.1 - 128

Sample: 254264 - MW 16

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0917	mg/L	1	0.100	92	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0973	mg/L	1	0.100	97	51.1 - 128

Sample: 254265 - MW 17

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.175**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.0131**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0931	mg/L	1	0.100	93	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.103	mg/L	1	0.100	103	51.1 - 128

Sample: 254266 - MW 18

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.431**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.0158**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0937	mg/L	1	0.100	94	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.103	mg/L	1	0.100	103	51.1 - 128

Sample: 254267 - MW 19

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.120**	mg/L	1	0.00100
Toluene		**0.00390**	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.0138**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0951	mg/L	1	0.100	95	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.104	mg/L	1	0.100	104	51.1 - 128

Sample: 254268 - MW 20

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0922	mg/L	1	0.100	92	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0990	mg/L	1	0.100	99	51.1 - 128

Sample: 254269 - MW 21

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	Sample Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0900	mg/L	1	0.100	90	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0975	mg/L	1	0.100	98	51.1 - 128

Method Blank (1) QC Batch: 76536

QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	QC Preparation:	2010-12-28	Prepared By:	ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000600	mg/L	0.001
Toluene		<0.000600	mg/L	0.001
Ethylbenzene		<0.000800	mg/L	0.001
Xylene		<0.000767	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0876	mg/L	1	0.100	88	70.2 - 118
4-Bromofluorobenzene (4-BFB)		0.0936	mg/L	1	0.100	94	47.3 - 116

Laboratory Control Spike (LCS-1)

QC Batch:	76536	Date Analyzed:	2010-12-28	Analyzed By:	ME
Prep Batch:	65631	QC Preparation:	2010-12-28	Prepared By:	ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0946	mg/L	1	0.100	<0.000600	95	82.9 - 118

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Toluene	0.0957	mg/L	1	0.100	<0.000600	96	82.7 - 117
Ethylbenzene	0.0939	mg/L	1	0.100	<0.000800	94	78.8 - 116
Xylene	0.284	mg/L	1	0.300	<0.000767	95	79.3 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0971	mg/L	1	0.100	<0.000600	97	82.9 - 118	3	20
Toluene	0.0980	mg/L	1	0.100	<0.000600	98	82.7 - 117	2	20
Ethylbenzene	0.0971	mg/L	1	0.100	<0.000800	97	78.8 - 116	3	20
Xylene	0.294	mg/L	1	0.300	<0.000767	98	79.3 - 116	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0814	0.0887	mg/L	1	0.100	81	89	67.3 - 113
4-Bromofluorobenzene (4-BFB)	0.0905	0.0984	mg/L	1	0.100	90	98	68.2 - 134

Matrix Spike (MS-1) Spiked Sample: 254261

QC Batch: 76536 | Date Analyzed: 2010-12-28 | Analyzed By: ME
Prep Batch: 65631 | QC Preparation: 2010-12-28 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	15.1	mg/L	100	10.0	6.1451	90	77.9 - 114
Toluene	9.19	mg/L	100	10.0	<0.0600	92	78.3 - 111
Ethylbenzene	9.30	mg/L	100	10.0	<0.0800	93	75.3 - 110
Xylene	28.2	mg/L	100	30.0	0.8576	91	75.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	15.7	mg/L	100	10.0	6.1451	96	77.9 - 114	4	20
Toluene	9.45	mg/L	100	10.0	<0.0600	94	78.3 - 111	3	20
Ethylbenzene	9.56	mg/L	100	10.0	<0.0800	96	75.3 - 110	3	20
Xylene	29.0	mg/L	100	30.0	0.8576	94	75.7 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	8.44	8.43	mg/L	100	10	84	84	68.3 - 107

continued ...

matrix spikes continued ...

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	9.52	9.53	mg/L	100	10	95	95	60.1 - 135

Standard (CCV-1)

QC Batch: 76536 Date Analyzed: 2010-12-28 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0929	93	80 - 120	2010-12-28
Toluene		mg/L	0.100	0.0930	93	80 - 120	2010-12-28
Ethylbenzene		mg/L	0.100	0.0916	92	80 - 120	2010-12-28
Xylene		mg/L	0.300	0.280	93	80 - 120	2010-12-28

Standard (CCV-2)

QC Batch: 76536 Date Analyzed: 2010-12-28 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0952	95	80 - 120	2010-12-28
Toluene		mg/L	0.100	0.0958	96	80 - 120	2010-12-28
Ethylbenzene		mg/L	0.100	0.0943	94	80 - 120	2010-12-28
Xylene		mg/L	0.300	0.286	95	80 - 120	2010-12-28

Standard (CCV-3)

QC Batch: 76536 Date Analyzed: 2010-12-28 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0908	91	80 - 120	2010-12-28
Toluene		mg/L	0.100	0.0930	93	80 - 120	2010-12-28
Ethylbenzene		mg/L	0.100	0.0912	91	80 - 120	2010-12-28
Xylene		mg/L	0.300	0.277	92	80 - 120	2010-12-28

LAB Order ID # 1.0122402

Page 1 of 2

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Talon LPE

Phone #:

Address: (Street, City, Zip)

Fax #:

Contact Person: Steve Killingsworth

E-mail:

Invoice to: (If different from above) 2002-10273 Plains Pipeline

Project #: 700376.045.01

Project Name: Moore to Jal #2

Project Location (including state): Hobbs NM

Sampler Signature:

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
254 256	MW 2	3		X				X				X		12-23-10	1145
256	MW 4														1130
257	MW 8														1340
258	MW 10														1048
259	MW 11														1038
260	MW 12														1058
261	MW 13														1320
262	MW 14														1105
263	MW 15														1115
264	MW 16														1120
265	MW 17														1240

ANALYSIS REQUEST	Turn Around Time if different from standard	Hold
MTBE 8021 / 602 / 8260 / 624		
BTEX 8021 / 602 / 8260 / 624	X	
TPH 418.1 / TX1005 / TX1005 Ext(C35)		
TPH 8015 GRO / DRO / TVHC		
PAH 8270 / 625		
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7		
TCLP Metals Ag As Ba Cd Cr Pb Se Hg		
TCLP Volatiles		
TCLP Semi Volatiles		
TCLP Pesticides		
RCI		
GC/MS Vol. 8260 / 624		
GC/MS Semi. Vol. 8270 / 625		
PCB's 8082 / 608		
Pesticides 8081 / 608		
BOD, TSS, pH		
Moisture Content		
Cl, Fl, S04, NO3, NO2, Alkalinity		
Na, Ca, Mg, K, TDS, EC		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	Talon LPE	12-23-10	16:50		TA	12-23-10	16:50	INST 8.9 °C OBS 8.9 °C COR 8.9 °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ °C OBS ____ °C COR ____ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ °C OBS ____ °C COR ____ °C

LAB USE ONLY

Intact Y / N

Headspace Y (N) NA

Log-In-Review

REMARKS:

On ice

- [ ] Dry Weight Basis Required
- [ ] TRRP Report Required
- [ ] Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier #

ORIGINAL COPY

LAB Order ID # 10122402

Page 2 of 2

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Talon LPE

Phone #:

Address: (Street, City, Zip)

Fax #:

Contact Person: S K

E-mail:

Invoice to: (If different from above) 2002-10273 Plains

Project #: 700376.045.01

Project Name: Jal #2

Project Location (including state): Hobbs NM

Sampler Signature: Brad Ivy

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
254266	MW 18	3		X				X				X		12/23/10	1220
267	MW 19	↓		↓				↓				↓		↓	1300
268	MW 20														1420
269	MW 21	↓		↓				↓				↓		↓	1440

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
	✓																			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Brad Ivy	Talon LPE	12-23-10	1650		TA	12-23-10	16:50	INST ___ OBS 8.9 °C COR 8.9 °C
								INST ___ OBS ___ °C COR ___ °C
								INST ___ OBS ___ °C COR ___ °C

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-In-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # carry in

ORIGINAL COPY

APPENDIX D

NMOCD C-141

October 23, 2003

Mr. Larry Johnson
Environmental Engineer
New Mexico Oil Conservation Division
1625 North French
Hobbs, New Mexico 88240

Subject: EOTT Initial C-141

Re: 8" Moore to Jal #2, 2002-10273
UL- J, NW¼ of the SE¼ of Section 16 T17S R37E
Latitude 32 49' 56.61"N and Longitude 103 15' 08.47"W
State of New Mexico

Dear Mr. Larry Johnson,

Environmental Plus, Inc. (EPI), on behalf of Mr. Frank Hernandez, EOTT, submits the attached New Mexico Oil Conservation Division (NMOCD) form C-141 for the above referenced leak site located on land owned by the State of New Mexico, approximately ~11 miles southeast of Hobbs, New Mexico . The New Mexico Tech Geo-Information Database records an average groundwater depth of ~66'bgs. The attached site information and metrics form ranks the site in accordance with the NMOCD Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993).

A remediation plan will be developed and submitted for NMOCD approval and will address issues identified during delineation of the vertical and horizontal extents of contamination of the Constituents of Concern (CoCs), i.e., Chloride, Total Petroleum Hydrocarbon EPA method 8015m (TPH^{8015m}), Benzene, and BTEX, i.e., the mass sum of Benzene, Toluene, Ethyl Benzene, and Xylenes. The contaminated soil is not exempted from RCRA 40 CFR Part 261.

If there are any questions please call Mr. Ben Miller or myself at the office or at 505.390.0288 and 505.390.7864, respectively or Mr. Frank Hernandez at 915.638.3799. All official communication should be addressed to:

Mr. Frank Hernandez
EOTT
PO Box 1660 5805 East Highway 80
Midland, Texas 79702

Sincerely,

Pat McCasland
EPI Technical Services Manager

cc: Frank Hernandez, EOTT, w/enclosure
Ben Miller, EPI Vice President and General Manager
Sherry Miller, EPI President
file

ENVIRONMENTAL PLUS, INC.

EOTT Site Information and Metrics	Incident Date: **10-22-02 @ 5:00 Pm**	NMOCD Notified: 10-23-02 @ 7:00 AM
SITE: 8" Moore to Jal #2	Assigned Site Reference #: 2002-10273	
Company: EOTT		
Street Address: PO Box 1660		
Mailing Address: 5805 East Highway 80		
City, State, Zip: Midland, Texas 79702		
Representative: Frank Hernandez		
Representative Telephone: 915.638.3799		
Telephone:		
Fluid volume released (bbls): 25 bbls	Recovered (bbls): 0 bbls	
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)		
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)		
Leak, Spill, or Pit (LSP) Name: 8" Moore to Jal #2		
Source of contamination: 8" Steel Pipeline		
Land Owner, i.e., BLM, ST, Fee, Other: State of New Mexico		
LSP Dimensions ~160' x 40'		
LSP Area: 5,794 sqft ft^2		
Location of Reference Point (RP)		
Location distance and direction from RP		
Latitude: 32 49' 56.61"N		
Longitude: 103 15' 08.47"W		
Elevation above mean sea level:		
Feet from South Section Line		
Feet from West Section Line		
Location- Unit or ¼¼: NW¼ of the SE¼	Unit Letter: J	
Location- Section: 16		
Location- Township: T17S		
Location- Range: R37E		
Surface water body within 1000 ' radius of site: none		
Surface water body within 1000 ' radius of site:		
Domestic water wells within 1000' radius of site: none		
Domestic water wells within 1000' radius of site:		
Agricultural water wells within 1000' radius of site: none		
Agricultural water wells within 1000' radius of site:		
Public water supply wells within 1000' radius of site: none		
Public water supply wells within 1000' radius of site:		
Depth from land surface to ground water (DG) ~66'bgs		
Depth of contamination (DC) – ?		
Depth to ground water (DG – DC = DtGW) - 0		

1. Ground Water	2. Wellhead Protection Area	3. Distance to Surface Water Body
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or;<200' from private domestic water source: *20 points*	<200 horizontal feet: *20 points*
If Depth to GW 50 to 99 feet: *10 points*		200-100 horizontal feet: *10 points*
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or; >200' from private domestic water source: *0 points*	>1000 horizontal feet: *0 points*
Ground water Score = 20	*Wellhead Protection Area Score= 0*	*Surface Water Score= 0*
Site Rank (1+2+3) = 20		

Total Site Ranking Score and Acceptable Concentrations

Parameter	>19	10-19	0-9
Benzene[1]	10 ppm	10 ppm	10 ppm
BTEX[1]	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1000 ppm	5000 ppm

[1]100 ppm field VOC headspace measurement may be substituted for lab analysis

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Contact
EOTT	**Frank Hernandez**
Address PO Box 1660 5805 East Highway 80 Midland, Texas 79702	Telephone No. 915.638.3799
Facility Name 8" Moore to Jal #2	Facility Type 8" Steel Pipeline

Surface Owner	Mineral Owner	Lease No.
State of New Mexico		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: Lea Lat. 32 49' 56.61"N Lon. 103 15' 08.47"W
16	16	T17S	R37E					

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 25 bbls barrels	Volume Recovered 0 bbls barrels
Source of Release 8" Steel Pipeline	Date and Hour of Occurrence EOTT	Date and Hour of Discovery 10-22-02 @ 7:00 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Pat McCasland, EPI	Date and Hour 10-23-02 @ 7:00 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*
NA

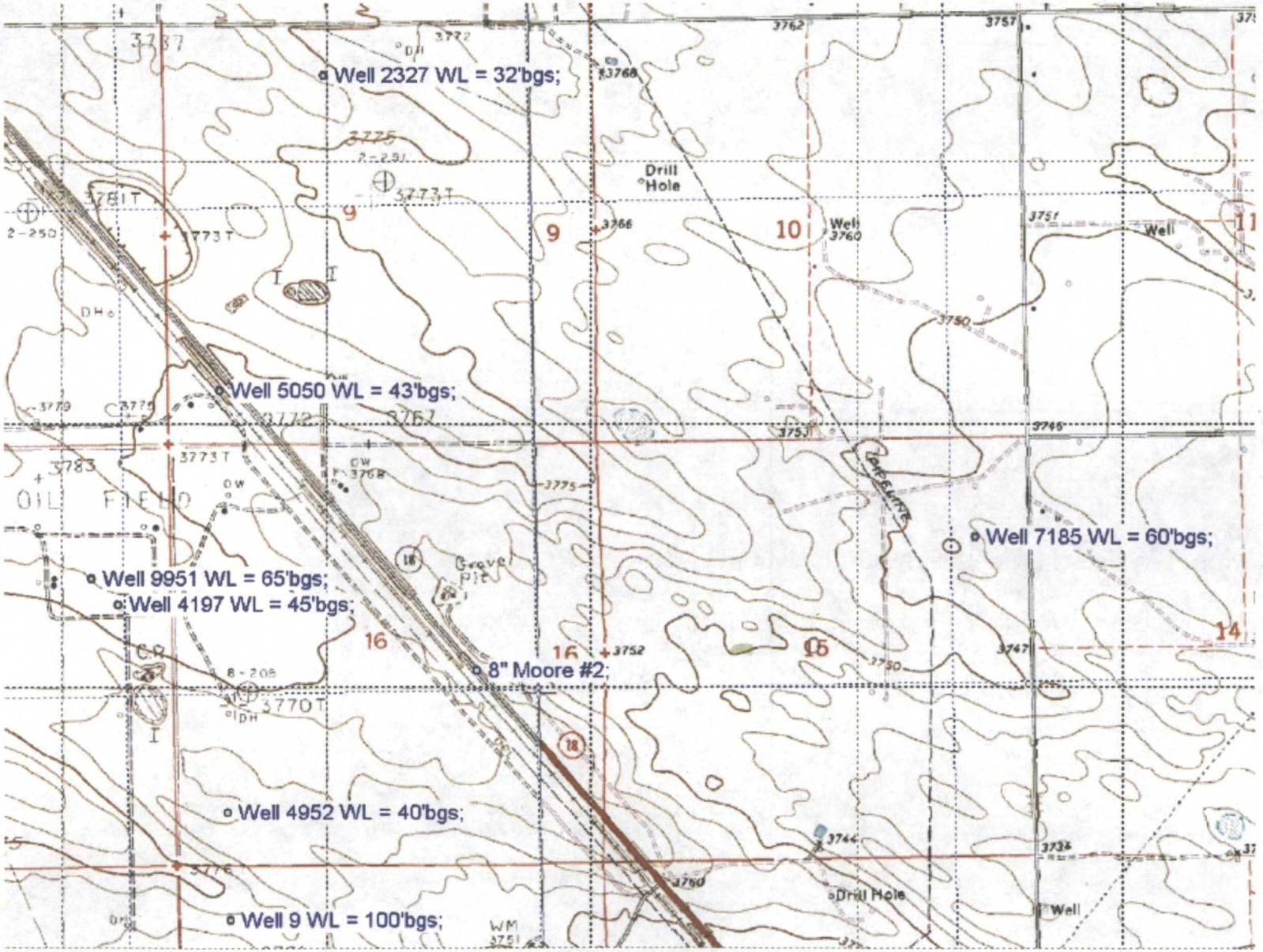
Describe Cause of Problem and Remedial Action Taken.*
8" Steel Pipeline Site will be delineated to determine the vertical and horizontal extents of contamination. Contaminated soil will be blended on site or disposed of.

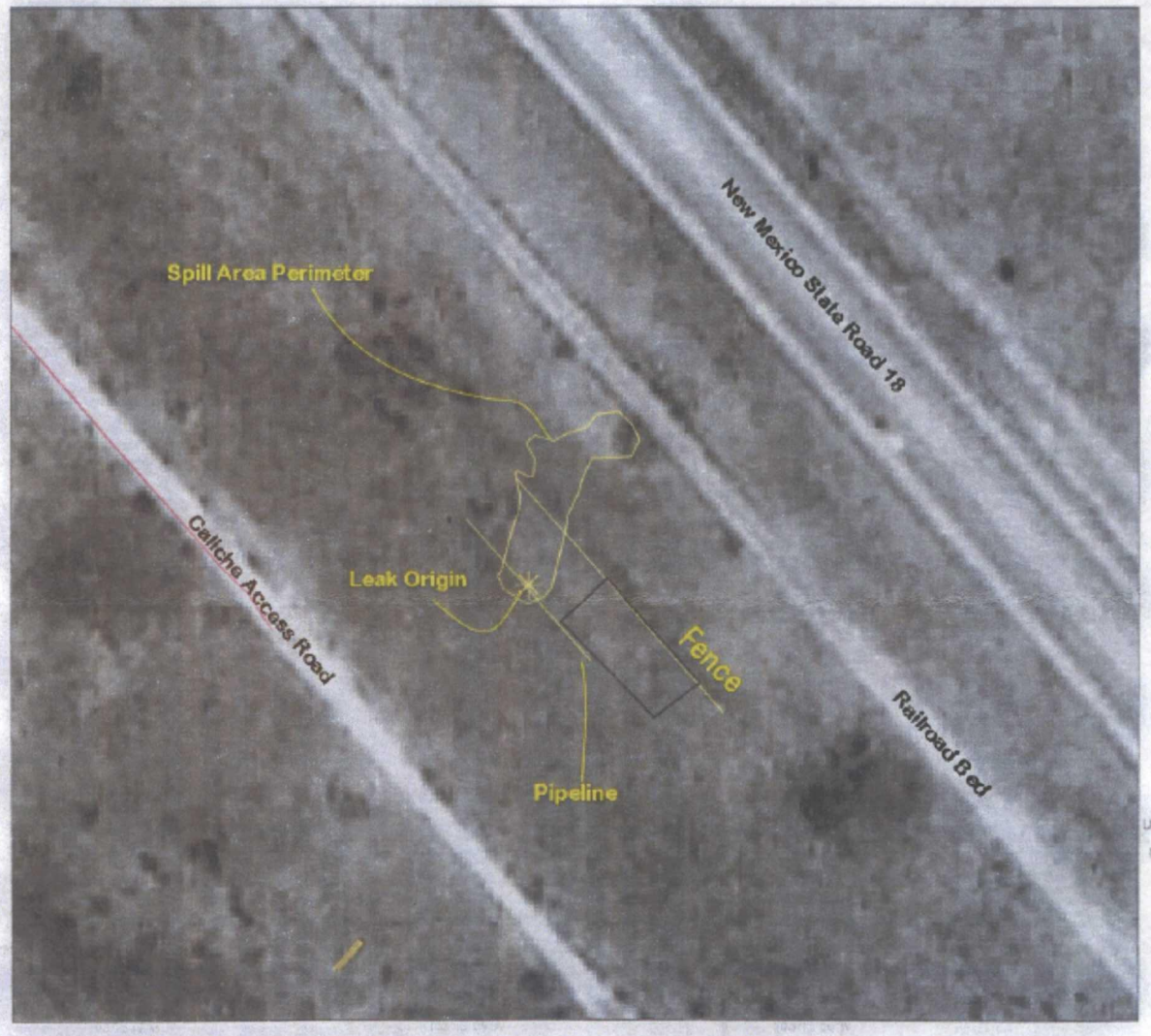
Describe Area Affected and Cleanup Action Taken.*
5,794 sqft ~160' x 40' Site will be delineated to determine the vertical and horizontal extents of contamination. Contaminated soil will be blended on site or disposed of. Remedial Goals: TPH 8015m = 100 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	**OIL CONSERVATION DIVISION**	
Printed Name: Frank Hernandez	Approved by District Supervisor:	
Title: District Environmental Supervisor	Approval Date:	Expiration Date:
Date: October 23, 2003 Phone: 915.638.3799	Conditions of Approval:	Attached ☐

* Attach Additional Sheets If Necessary


Well 2327 WL = 32'bgs;
Well 5050 WL = 43'bgs;
Well 7185 WL = 60'bgs;
Well 9951 WL = 65'bgs;
Well 4197 WL = 45'bgs;
8" Moore #2;
Well 4952 WL = 40'bgs;
Well 9 WL = 100'bgs;
Drill Hole
Drill Hole
Well
Well
Gravel Pit
OIL FIELD



EOTT ENERGY
LLC
8" MOORE TO
JAL #2
#2002-10273
UL-J SEC 16
T17S R37E
AFFECTED AREA
~5794 SQFT

N

SCALE 1:1,500

0 150.0

FEET

UNIVERSAL TRANSVERSE MERCATOR
13 NORTH
NAD 1983 HPGN (New Mexico)

8MOORE#2.COR

7/21/2003


OCT 22 2002


OCT 22 2002