AP - 29

ANNUAL MONITORING REPORT

YEAR(S): 2010

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
KIMBROUGH SWEET 8"
SECTION 3, TOWNSHIP 18 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS #2000-10757
NMOCD REF. # AP-0029

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 Denver City
Copy 2 – Plains Houston
Copy 3 – NMOCD Santa Fe
Copy 4 – NMOCD Hobbs
Copy 5 – NMSLO Santa Fe
Copy 6 – Talon/LPE

March 7, 2011

PLAINS
ALL AMERICAN

RECEIVED OCD

2011 MAR 31 A 11:56

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

Jason Henry
Remediation Coordinator
Plains All American

CC: Geoff Leking, NMOCD, Hobbs, NM

Enclosures

2010 ANNUAL GROUNDWATER MONITORING REPORT

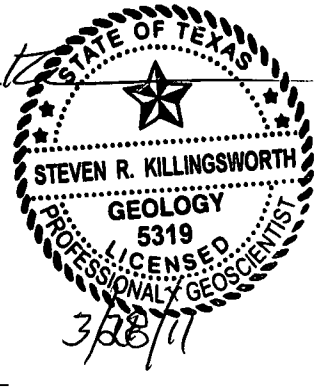
KIMBROUGH SWEET 8"
LEA COUNTY, NEW MEXICO
SRS #2000 - 10757
NMOCD REF. # AP-0029

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

TALON/LPE PROJECT NO. 700376.050.01

Prepared by:

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



Kyle Waggoner, P. G.
Division Manager

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

March 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	GeoffreyR.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	318 East Taylor Street Hobbs, New Mexico 88240	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 - 02/25/2011

Figure 2b - Groundwater Gradient Map - 06/17/2011

Figure 2c - Groundwater Gradient Map - 09/17/2011

Figure 2d - Groundwater Gradient Map - 12/16/2011

Figure 3a - PSH Thickness & Groundwater Concentration Map - 02/25/2011

Figure 3b - PSH Thickness & Groundwater Concentration Map - 06/17/2011

Figure 3c - PSH Thickness & Groundwater Concentration Map - 09/17/2011

Figure 3d - PSH Thickness & Groundwater Concentration Map - 12/16/2011

Appendix B Tables

Table 1 - Summary of Historical Fluid Level Measurements

Table 2 - Summary of Groundwater Analytical Results

Table 3 - Summary of Groundwater Poly-Nuclear Aromatic Hydrocarbon (PAH) 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 Kimbrough Sweet 8" (site) is located approximately seven (7) miles northwest of Hobbs, Lea County, New Mexico, on property owned by the State of New Mexico. There are no residences, groundwater wells, or surface water bodies within a 1,000-foot radius of the site. The initial release occurred from the 8" steel pipeline on October 25, 2000. At the time of the release, the pipeline was owned by EOTT Energy Pipeline. 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 60 barrels (bbls) of crude oil were released and impacted approximately 15,613 feet of surface area. Approximately 22 bbls of crude oil was recovered during initial remediation activities.

The site is situated within a physiographic region that is on the extreme south-western portion of the Southern High Plains as it grades into the Edwards Plateau to the south and southeast and the Chihuahuan Desert of the Trans-Pecos Region to the southwest.

The topography proximal to the site is typical of the Southern High Plains, essentially flat with shallow depressions, or playa lakes, dotting the landscape. The prominent surface features on the Southern High Plains are the approximately 19,250 ephemeral playa lakes; however the density of the playa lakes diminishes toward the southern extent of the Southern High Plains. During periods of rainfall, the playas accumulate sheet runoff from watershed areas ranging in size from less than one square mile to several square miles. Only a small portion of drainage from rainfall occurs by streams. Playa lakes that collect storm water runoff can act as a recharge mechanism for groundwater.

The average elevation of the site area is approximately 3,720-feet above mean sea level with a slight slope to the southeast. The regional slope of the land surface in the Southern High Plains is approximately 100 feet per mile in a southeasterly direction.

On February 5, 2007, Talon/LPE (Talon) was retained by Plains to assume remediation activities at the site that 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 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.

1.2 Previous Environmental Investigations

A total of thirteen (13) groundwater monitor wells 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 wells MW-1, MW-2, MW-3, and MW-4 were installed in January 2002. Groundwater monitor wells MW-5, MW-7, MW-8, and MW-9 were installed in July 2004, and monitor wells MW-6, MW-10, and MW-11 were installed in December 2004. Subsequently, monitor wells MW-12 and MW-13 were installed on March 11, 2009.

PSH recovery operations have been performed at the site since January 2002, initially by hand bailing. Currently, there are seven (7) pneumatic skimmers with bladder pumps operating in monitor wells MW-2, MW-5, MW-6, MW-7, MW-8, MW-9, and MW-11. Approximately 182 bbls of phase-separated hydrocarbon (PSH) has been recovered to date.

1.4 Regulatory Framework

Groundwater analytical data from this site was evaluated to the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards.

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

The following sections provide summaries of the groundwater monitoring activities conducted at the site as well as analytical results from each groundwater sampling event of 2011. Analytical results for the four (4) sampling events are summarized in Table 2 and Table 3 in Appendix B, and Figures 3a through 3d in Appendix A. Laboratory analytical data reports and chains of custody documentation are included in Appendix C. In addition, cumulative historical tables are on the attached CD, which is an adjunct to this report.

2 SITE ACTIVITIES

The sections that follow summarize groundwater monitoring and PSH recovery activities conducted at the subject site during 2010. The primary function of groundwater monitoring is to measure the depths to fluids 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 performance and efficiency.

2.1 Groundwater Monitoring Activities

A total of four (4) groundwater monitoring events were conducted by Talon during the year 2010 on February 25, June 17, September 17, and December 16. During all of the groundwater monitoring events, the depths to fluids were measured in all of the monitoring wells (MW-1 through MW-13) using an oil/water interface probe.

During three of the four (4) sampling event, five (5) monitor wells (MW-3, MW-4, MW-10, MW-12, and MW-13) were purged a minimum of three (3) casing volumes and groundwater samples were collected. A sample was not collected from monitor well MW-4 during the third sampling event because there was not enough water in the well to collect a sample. In addition, samples were not collected from monitor wells MW-2, MW-5 through MW-9 and MW-11, due to the presence of PSH during all four (4) sampling events. Samples were not collected from monitor well MW-1 during all four (4) sampling events because groundwater was not detected during gauging activities.

Details of the gauging, purging, and sample collection activities are presented in Section 2.2 below.

2.2 Groundwater Gauging, Purging, and Sample Collection 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.

Subsequent to gauging, all monitor wells not impacted with PSH 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 on-site 55-gallon drums. After the groundwater monitoring event, all retained water was removed with a vacuum truck. Approximately 85 gallons of purged groundwater and decontamination water during the monitoring events of 2010.

Groundwater samples were collected from all monitor wells using dedicated disposable

polyethylene bailers. Each groundwater sample was contained in laboratory supplied sample containers with the appropriate preservative required for the analysis requested. The groundwater samples were maintained on ice, in the custody of Talon personnel, until they were delivered to TraceAnalysis, Inc. in Midland, Texas for analyses.

The groundwater samples collected during all four events were quantified for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method SW-846 8021B and during the fourth event, the groundwater sample collected from monitor well MW-3 was quantified for poly-nuclear aromatic hydrocarbons (PAH) by EPA Method S 8270D.

2.3 Phase Separated Hydrocarbon Recovery

PSH recovery has been conducted at the site since 2002, initially by hand bailing. In 2007, an automated skimmer recovery system was installed at the site. Currently, the system utilizes seven (7) skimmers in monitor wells MW-2, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-11 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. Since there is no electricity at the site; therefore, the skimmer system is powered by six nitrogen filled cylinders. Fluid, recovered by the pumps, is retained in a 3,000-gallon polyethylene tank. The polyethylene 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 polyethylene liner. Periodically, recovered groundwater is removed from the poly tank and transported to an NMOCD approved disposal facility. PSH is also periodically removed with a vacuum truck and is re-introduced to the Plains' pipeline system at the Scharb Station and/or 34 Junction South pipeline.

During 2010 the quarterly PSH recovery totals are as followed:

- 1st Quarter – 7.0 bbls PSH, 0.22 bbls water
- 2nd Quarter – 4.2 bbls PSH, 1.47 bbls water
- 3rd Quarter – 3.0 bbls PSH, 0.0 bbls water
- 4th Quarter – 1.5 bbls PSH, 3.0 bbls water

Approximately 182 bbls of PSH have been recovered to date from the site.

3 GROUNDWATER MONITORING RESULTS

The results of the laboratory analyses are summarized in Table 2 – Summary of Groundwater Analytical Data in Appendix B. Laboratory analytical data reports and chains of custody documentation are provided in Appendix C. In addition, cumulative historical analytical results are included in the tables section on the attached CD that is an adjunct to this report.

3.1 Groundwater Monitoring Results

The following sections present the results from the four groundwater monitoring events conducted on the first water-bearing zone underlying the site.

3.1.1 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 six (6) counties in New Mexico.

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 Ogallala Aquifer is generally unconfined and the poteniometric surface generally mirrors the land surface elevation with the regional flow direction 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 with a specific yield averaging 16%. The depth to groundwater at the site has historically ranged from 62 to 66 feet below ground surface (bgs) and the groundwater flow direction ranges from the east southeast to the east northeast an average of 12 feet per mile. The saturated thickness of the Ogallala formation on the High Plains ranges from 25 feet to 175 feet. The variable thickness is due to the irregularly eroded Triassic surface that underlies it.

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.

3.1.2 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, Appendix B - Summary of Historical Fluid Level Measurements. In addition, cumulative historical gauging data is located in the tables section on the CD that is an adjunct to this report.

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 indicates that the groundwater flow direction ranges from east southeast to east northeast with average gradient of 0.0048 feet per foot or approximately 25.48 feet per mile. Groundwater levels at the subject site have exhibited a steady decline of an average of 0.96 feet for the year that appears to be associated with a regional trend of declining groundwater levels for the Ogallala Aquifer.

3.1.3 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 during the year 2010 but have remained relatively stable throughout the year. Increases in PSH thicknesses occurred in monitor wells MW-5, MW-6 and MW-7.

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 not well delineated to the northeast and to the northwest.

- In February of 2010, PSH was observed in monitor wells MW-2, MW-5 through MW-9, and MW-11. PSH thickness ranged from 0.69 feet to 5.67 feet.
- In June of 2010, PSH was observed in monitor wells MW-2, MW-5 through MW-9, and MW-11. PSH thickness ranged from 0.17 feet to 6.34 feet.
- In September of 2010, PSH was observed in monitor wells MW-2, MW-5 through MW-9, and MW-11. PSH thickness ranged from 0.18 feet to 6.39 feet.
- In December of 2010, PSH was observed in monitor wells MW-2, MW-5 through MW-9, and MW-11. PSH thickness ranged from 0.60 feet to 6.15 feet.

PSH recovery operations have been performed at the site since 2002. Currently, there are a total of seven (7) skimmers with bladder pumps in operation in monitor wells MW-2, MW-5 through MW-9, and MW-11. A summary of the historical groundwater and PSH gauging is provided in Table 1 in Appendix B. Approximately 182 bbls of PSH have been recovered to date.

3.1.4 Groundwater Sampling Results

During the first quarter, February 2010, sampling event, groundwater samples were collected from monitor wells MW-3, MW-4, MW-10, MW-12 and MW-13. Samples were not collected from monitor wells MW-2, MW-5 through MW-9 and MW-11, due to the presence of PSH. A sample was not collected from monitor well MW-1 because it was dry. Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations ranged from <0.00100 mg/L to 18.8 mg/L. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in the groundwater samples collected from monitor well MW-3 and MW-12.
- Toluene concentrations ranged from <0.00100 mg/L to <0.100 mg/L. The toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the groundwater samples collected.
- Ethylbenzene concentrations ranged from <0.00100 mg/L to 0.411 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any groundwater samples collected.
- Xylene concentrations ranged from <0.00100 mg/L to 0.472 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any groundwater sample collected.

During the second quarter, June 2010, sampling event, groundwater samples were collected from monitor wells MW-3, MW-4, MW-10, MW-12 and MW-13. Samples were not collected from monitor wells MW-2, MW-5 through MW-9 and MW-11, due to the presence of PSH. A sample was not collected from monitor well MW-1 because it was dry. Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations ranged from <0.00100 mg/L to 23.5 mg/L. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in the groundwater samples collected from monitor wells MW-3 and MW-12.
- Toluene concentrations ranged from <0.00100 mg/L to <0.100 mg/L. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the groundwater samples collected.
- Ethylbenzene concentrations ranged from <0.00100 mg/L to 0.449 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any groundwater samples collected.
- Xylene concentrations ranged from <0.00100 mg/L to 0.451 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any sample collected.

During the third quarter, September 2010, sampling event, groundwater samples were collected from monitor wells MW-3, MW-10, MW-12 and MW-13. Samples were not collected from monitor wells MW-2, MW-5 through MW-9 and MW-11, due to the presence of PSH. Samples were not collected from monitor wells MW-4 and MW-1 because they were dry. Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations ranged from 0.0104 mg/L to 21.0 mg/L. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in groundwater samples collected from monitor well MW-3, MW-10, MW-12 and MW-13.
- Toluene concentrations ranged from <0.00100 mg/L to <0.100 mg/L. The toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the groundwater samples collected.

- Ethylbenzene concentrations ranged from <0.00100 mg/L to 0.574 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any groundwater sample collected.
- Xylene concentrations ranged from <0.00100 mg/L to 0.166 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any groundwater sample collected.

During the fourth quarter, December 2010, sampling event, groundwater samples were collected from monitor wells MW-3, MW-4, MW-10, MW-12 and MW-13. Samples were not collected from monitor wells MW-2, MW-5 through MW-9 and MW-11, due to the presence of PSH. A sample was not collected from monitor well MW-1 because it was dry. Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations ranged from <0.00100 mg/L to 21.1 mg/L. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in the groundwater samples collected from monitor wells MW-3 and MW-12.
- Toluene concentrations ranged from <0.00100 mg/L to <0.100 mg/L. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the groundwater samples collected.
- Ethylbenzene concentrations ranged from <0.00100 mg/L to 0.874 mg/L. Ethylbenzene concentrations exceeded the NMWQCC groundwater standard of 0.750 mg/L in the groundwater sample collected from MW-3.
- Xylene concentrations ranged from <0.00100 mg/L to 0.822 mg/L. Xylene concentrations exceeded the NMWQCC groundwater standard of 0.620 mg/L in groundwater samples collected from MW-3 and MW-12.
- The total combined methylnaphthalene and naphthalene concentration in the groundwater sample collected from monitor well MW-3 was 0.0428 mg/L, which exceeded the NMWQCC groundwater standard of 0.030 mg/L.

The dissolved-phase plume is delineated to NMWQCC groundwater standards in all directions as depicted on the groundwater concentration maps 3a through 3d in Appendix A. The results of the laboratory analyses are summarized in Table 2 – Summary of Groundwater Analytical Results in Appendix B. Laboratory analytical data reports and chains of custody documentation are provided in Appendix C. In addition, cumulative historical analytical results are located on the attached CD that is an adjunct to this report.

4 CONCLUSIONS AND RECOMMENDATIONS

The following section presents a summary of the four groundwater monitoring events conducted at the Kimbrough Sweet 8" site and Section 4.2 provides recommendations for future corrective action.

4.1 Summary of Findings

- The groundwater flow direction ranged from east southeast to east northeast with an average gradient of 0.0048 ft/ft or approximately 25.48 feet per mile based on the water level measurement data collected in 2010.
- Groundwater levels at the subject site have exhibited a steady decline averaging 0.96 feet for the year 2010 that appears to be associated with a regional trend of declining groundwater levels for the Ogallala Aquifer.
- PSH is impacting monitor wells MW-2, MW-5 through MW-9, and MW-11. Skimmers and bladder pumps are installed in those wells.
- PSH thicknesses have fluctuated over the year 2010 but have remained relatively stable throughout the year. Approximately 16 bbls of PSH was recovered during the year 2010 indicating that the PSH recovery system is performing its function.
- Monitor wells MW-3 and MW-12 exhibited increases in dissolved-phase concentrations over the year 2010 indicating that the dissolved-phase plume may be migrating down-gradient.

4.2 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 PSH 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.
- Replace the skimmer and bladder pumps with two (2) 12-volt powered solar charged total fluids pumps in monitor wells MW-5 and MW-6 to facilitate increased PSH recovery and to inhibit PSH plume migration.
- Install monitor wells MW-14 and MW-15 down-gradient approximately 100 feet northeast and 100 feet southeast from monitor well MW-12 in order to delineate the dissolve-phase plume.
- Perform quarterly groundwater monitoring events in accordance with NMOCD directives.
- Since up-gradient monitor well MW-10 and cross-gradient monitor well MW-4 have predominately not detected BTEX analytes, Talon LPE recommends that those wells be sampled and analyzed for BTEX annually.

APPENDIX A

Figures

Figure 1 - Site Plan with Proposed Monitor Well Locations Map

Figure 2a - Groundwater Gradient Map - 02/25/2010

Figure 2b - Groundwater Gradient Map - 06/17/2010

Figure 2c - Groundwater Gradient Map - 09/16/2010

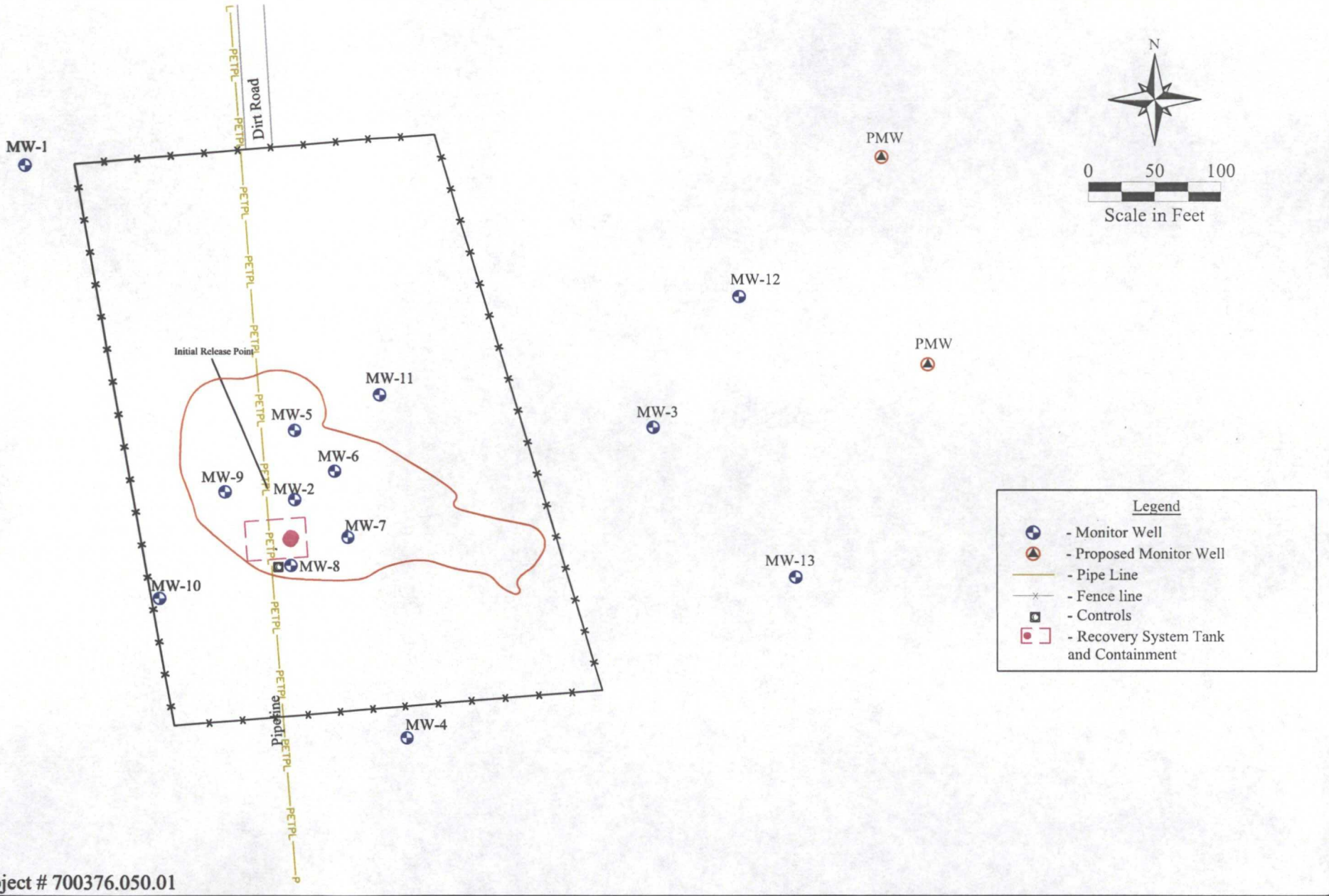
Figure 2d - Groundwater Gradient Map - 12/16/2010

Figure 3a - PSH Thickness & Groundwater Concentration Map - 02/25/2010

Figure 3b - PSH Thickness & Groundwater Concentration Map - 06/17/2010

Figure 3c - PSH Thickness & Groundwater Concentration Map - 09/16/2010

Figure 3d - PSH Thickness & Groundwater Concentration Map - 12/16/2010



Project # 700376.050.01

TALON LPE

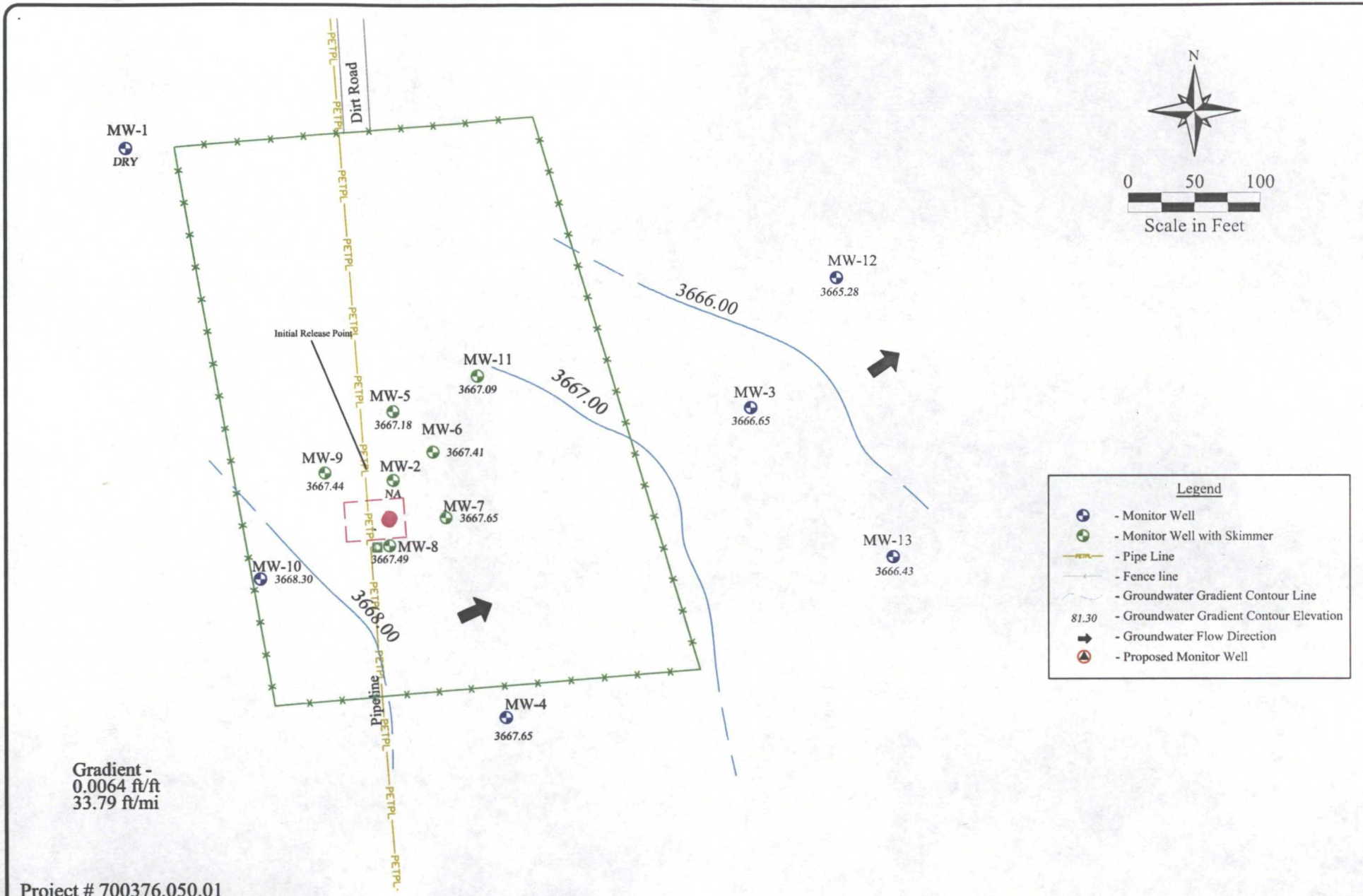
Date:	06/07/2010
Scale:	1" = 100'
Drawn By:	TJS

Kimbrough Sweet 8"

SRS # 2000-10757, NMOCD REF. # AP-0029

SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico

Figure 1 - Site Map w/Proposed Monitor Wells



TALON LPE

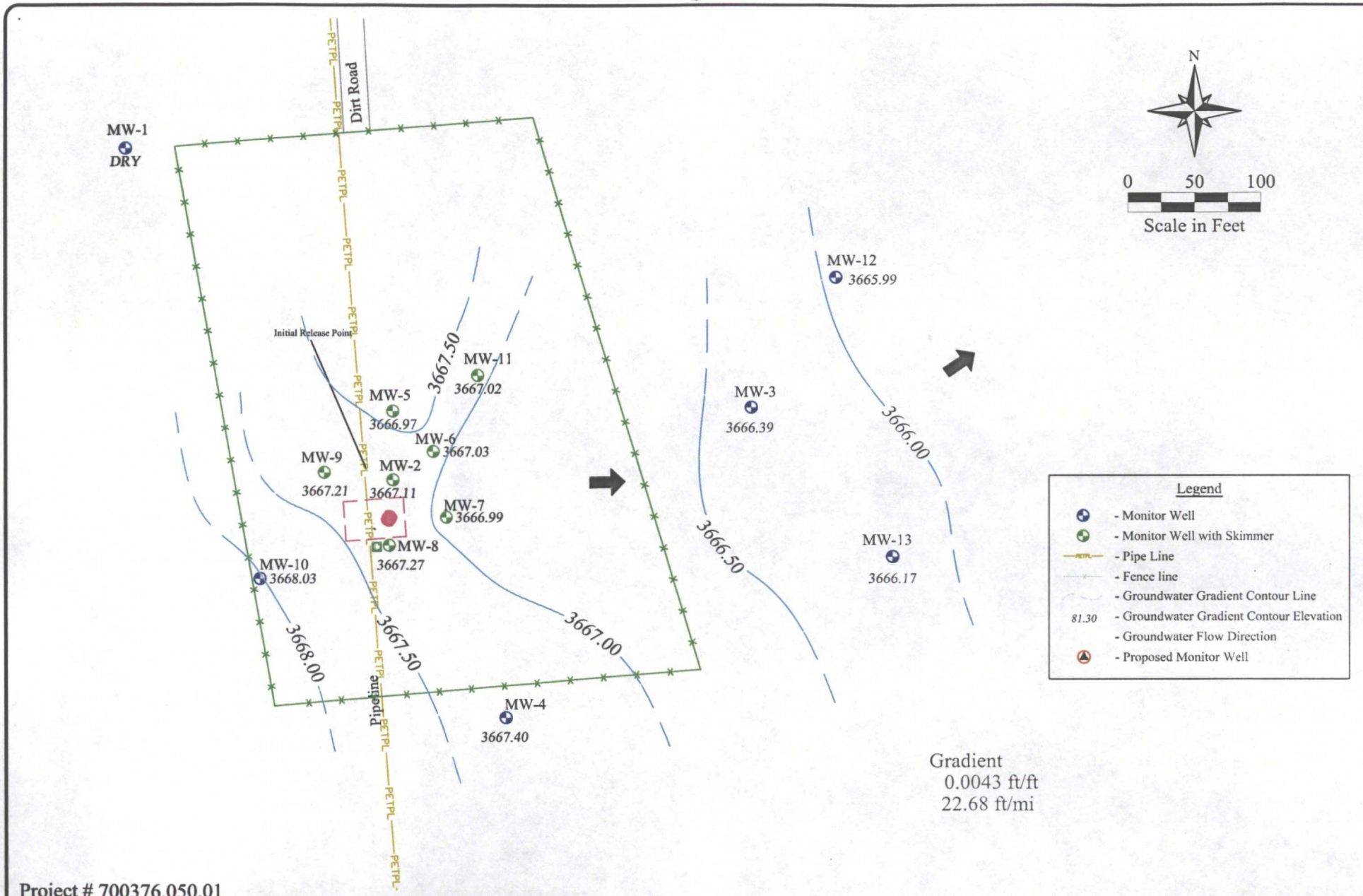
Date:	12/27/2010
Scale:	1" = 100'
Drawn By:	TJS

Kimbrough Sweet 8"

SRS # 2000-10757, NMOCD REF. # AP-0029

SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico

Figure 2a - Groundwater Gradient Map, - 02/25/2010

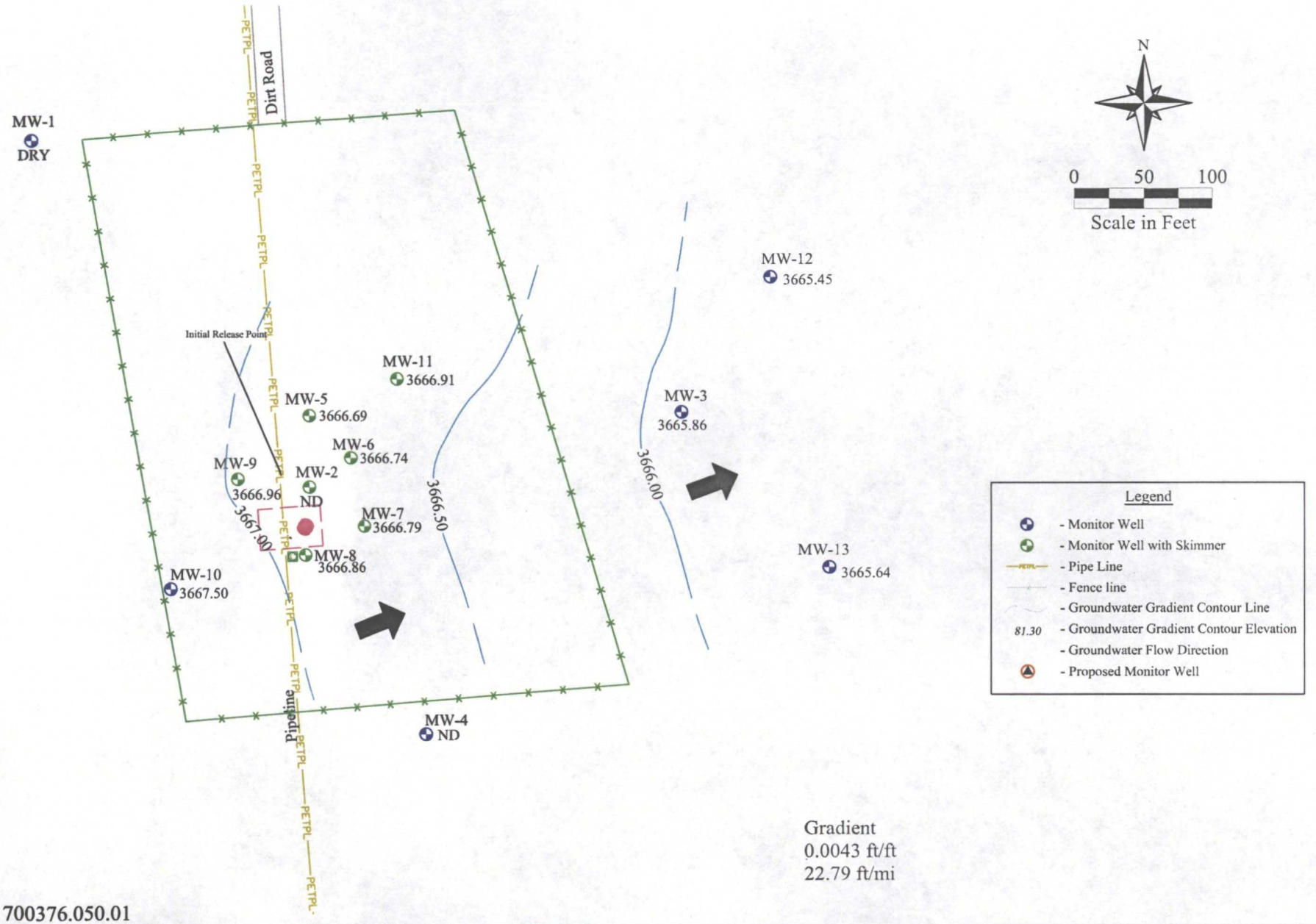


Project # 700376.050.01

TALON LPE

Date:	12/27/2010
Scale:	1" = 100'
Drawn By:	TJS

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. # AP-0029
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
Figure 2b - Groundwater Gradient Map, - 06/17/2010



Project # 700376.050.01

TALON LPE

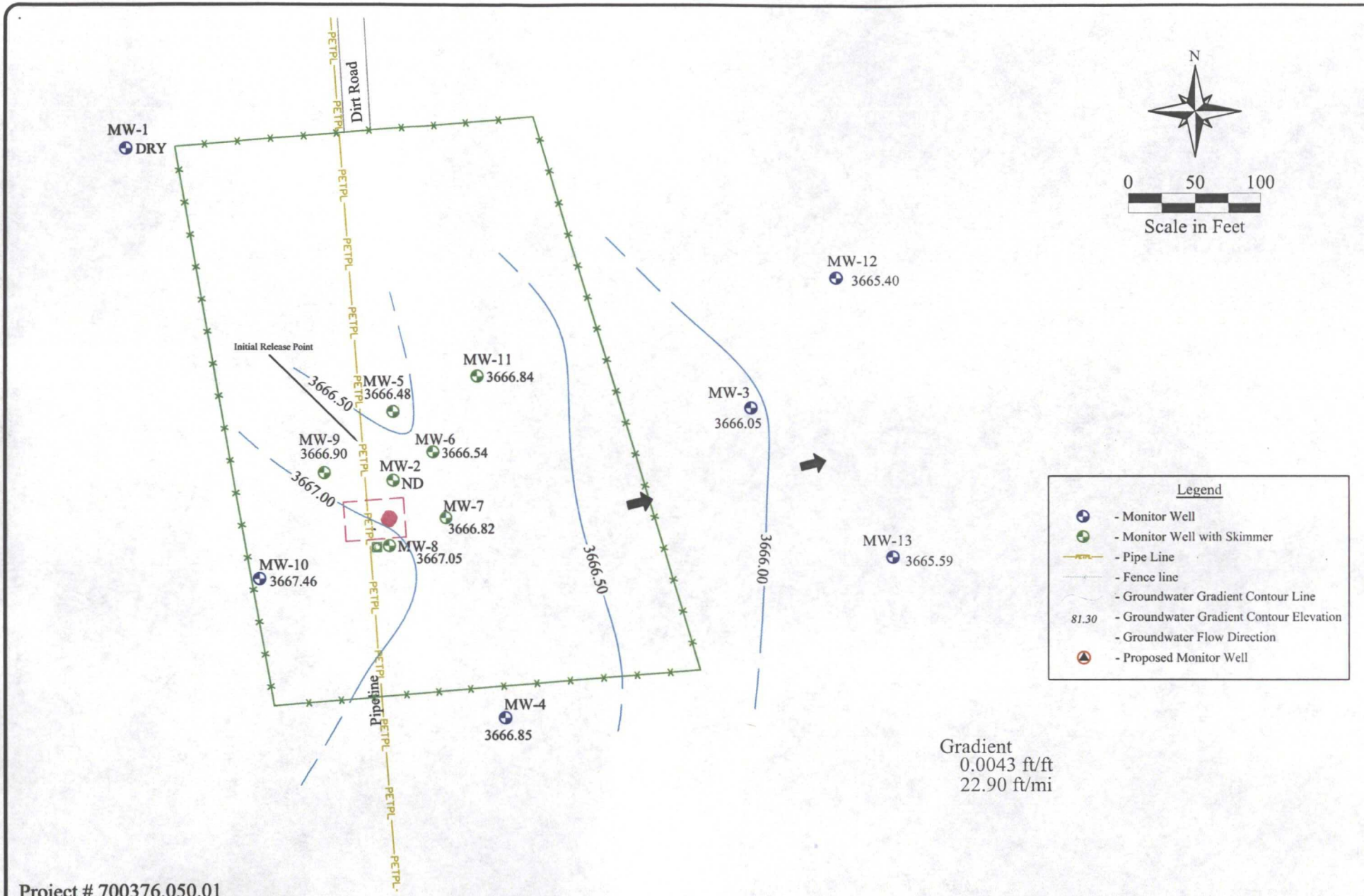
Date: 12/27/2010
Scale: 1" = 100'
Drawn By: TJS

Kimbrough Sweet 8"

SRS # 2000-10757, NMOCD REF. # AP-0029

SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico

Figure 2c - Groundwater Gradient Map, - 09/16/2010

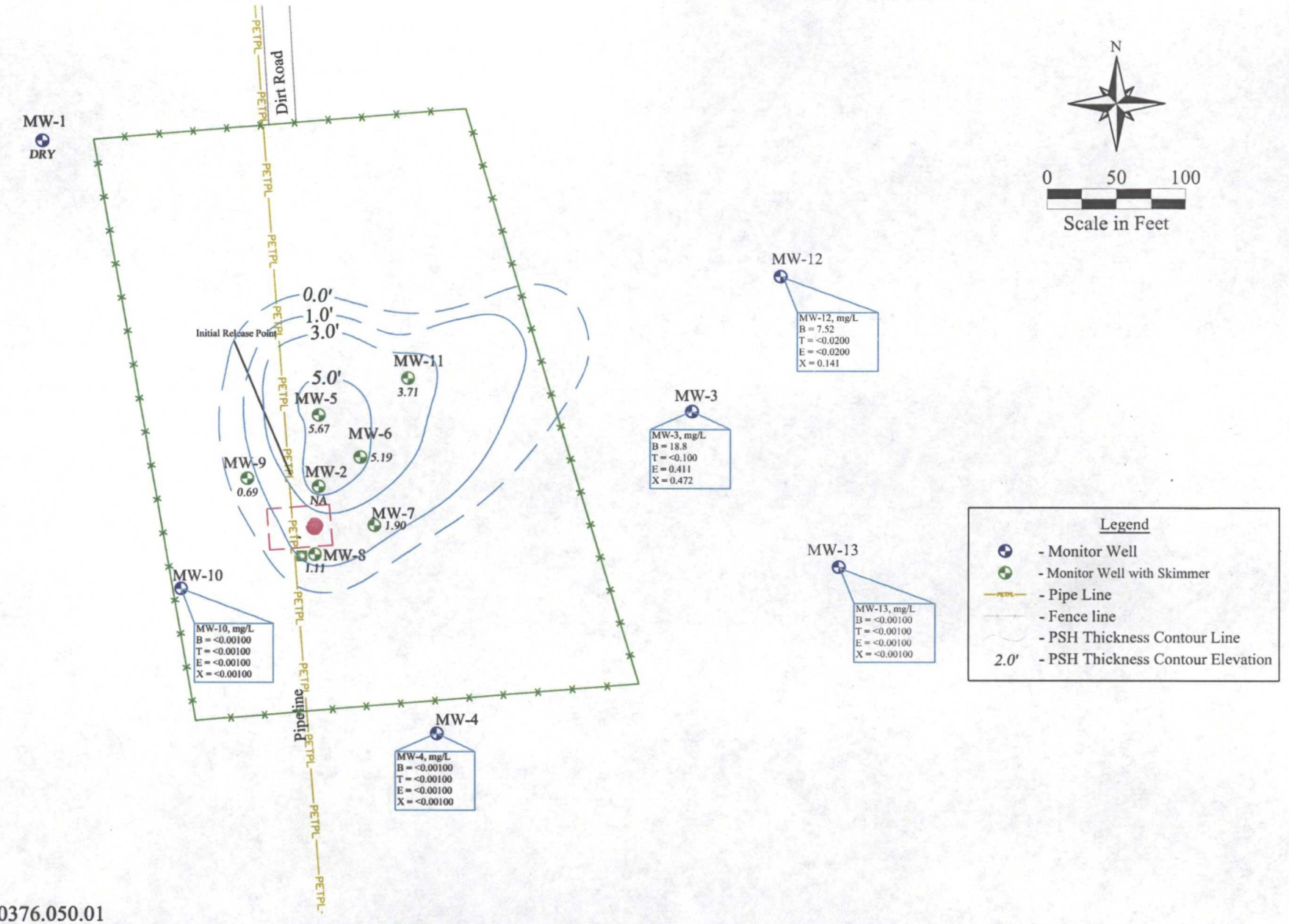


Project # 700376.050.01

TALON LPE

Date: 12/27/2010
Scale: 1" = 100'
Drawn By: TJS

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. # AP-0029
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
Figure 2d - Groundwater Gradient Map, - 12/16/2010



Project # 700376.050.01

TALON LPE

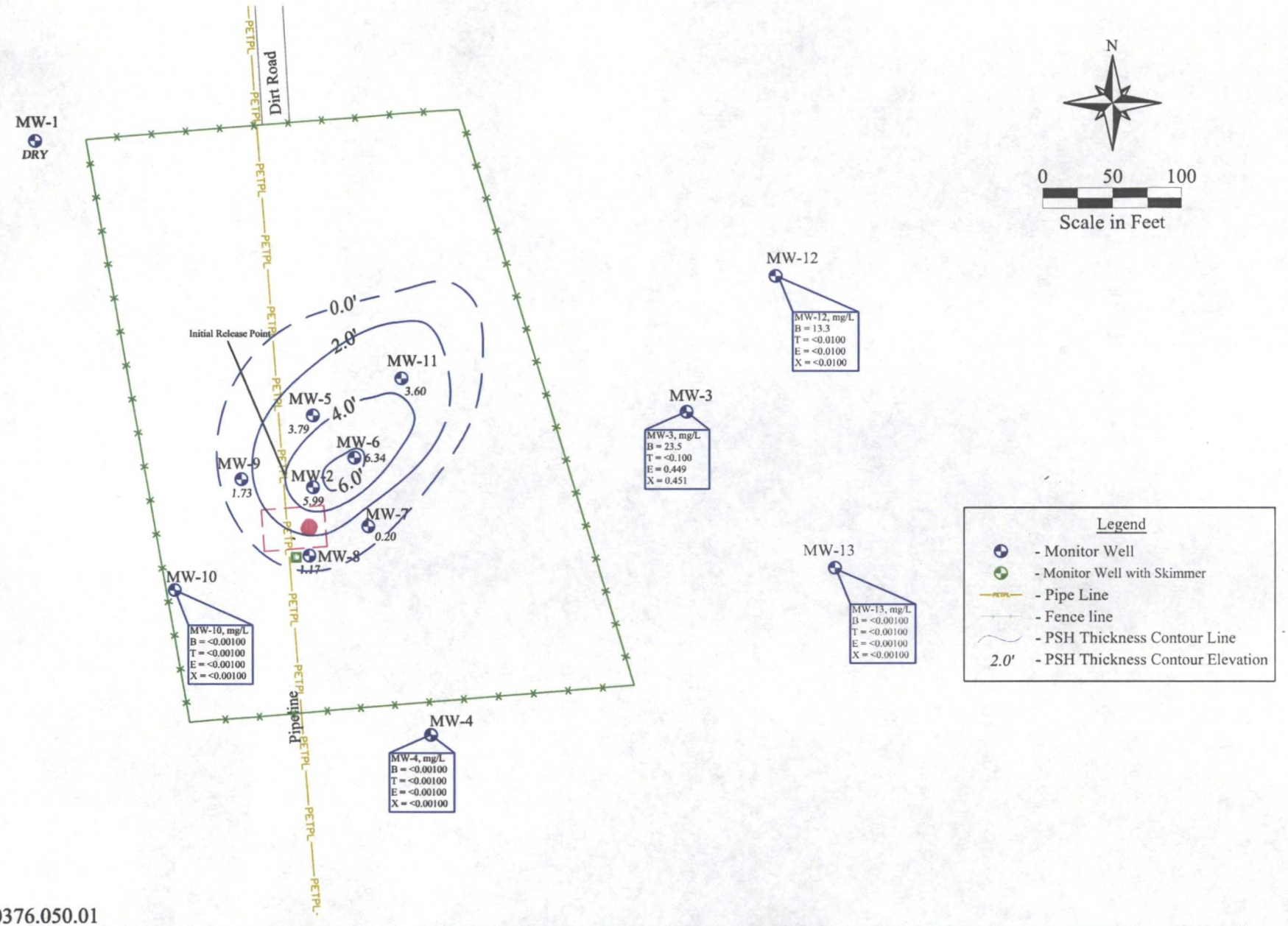
Date: 12/27/2010
Scale: 1" = 100'
Drawn By: TJS

Kimbrough Sweet 8"

SRS # 2000-10757, NMOCD REF. # AP-0029

SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico

Figure 3a - PSH Thickness & Groundwater Concentration Map - 2/5/09



Project # 700376.050.01

TALON LPE

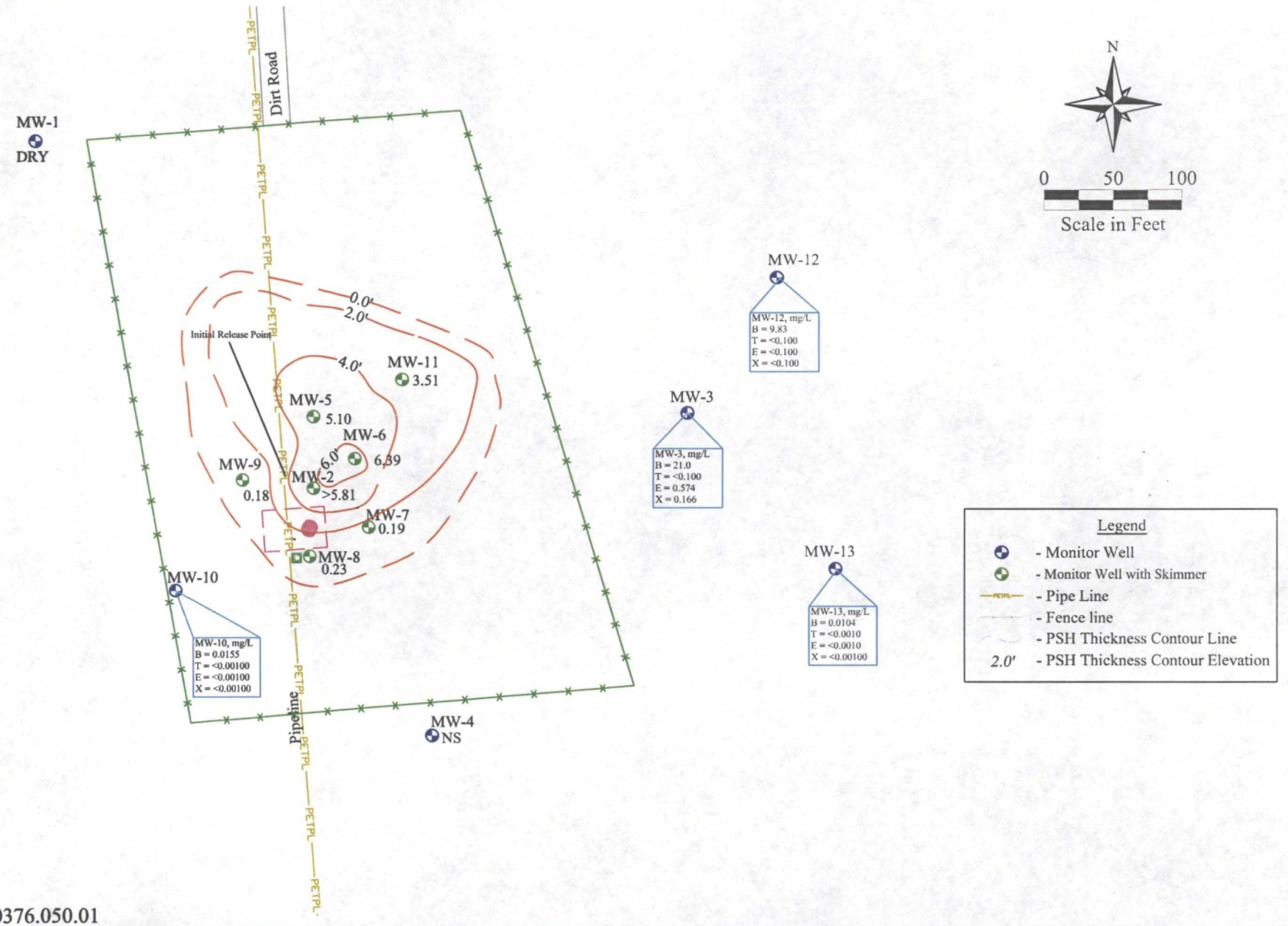
Date: 06/30/2010
Scale: 1" = 100'
Drawn By: TJS

Kimbrough Sweet 8"

SRS # 2000-10757, NMOCD REF. # AP-0029

SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico

Figure 3b - PSH Thickness & Groundwater Concentration Map - 06/17/2010



Project # 700376.050.01

TALON LPE

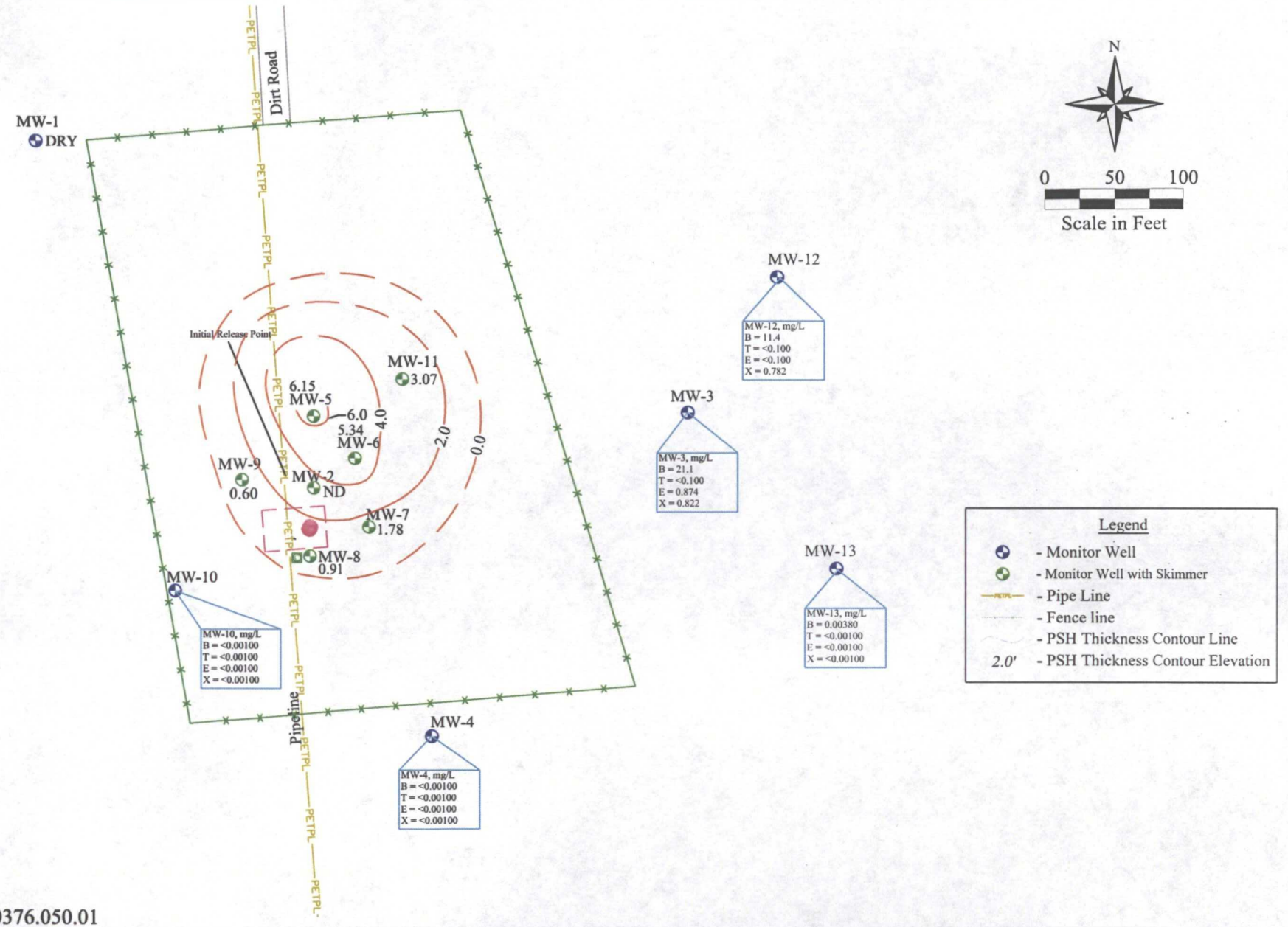
Date: 12/27/2010
Scale: 1" = 100'
Drawn By: TJS

Kimbrough Sweet 8"

SRS # 2000-10757, NMOCD REF. # AP-0029

SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico

Figure 3c - PSH Thickness & Groundwater Concentration Map - 09/17/2010



Project # 700376.050.01

TALON LPE

Date: 12/27/2010
Scale: 1" = 100'
Drawn By: TJS

Kimbrough Sweet 8"

SRS # 2000-10757, NMOCD REF. # AP-0029

SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico

Figure 3d - PSH Thickness & Groundwater Concentration Map - 12/16/2010

APPENDIX B

Tables

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-1	01/24/02	Well Installed 24 January 2002				
MW-1	10/04/02	3,723.13		51.26		3,671.87
MW-1	12/11/02			51.43		3,671.70
MW-1	02/20/03			51.62		3,671.51
MW-1	02/11/04			52.45		3,670.68
MW-1	08/16/04			53.15		3,669.98
MW-1	03/22/05			52.70		3,670.43
MW-1	03/31/05			52.65		3,670.48
MW-1	04/22/05			52.69		3,670.44
MW-1	05/12/05			52.73		3,670.40
MW-1	05/25/05			52.73		3,670.40
MW-1	06/28/05			52.81		3,670.32
MW-1	07/25/05			52.91		3,670.22
MW-1	08/22/05			52.98		3,670.15
MW-1	11/14/05			53.18		3,669.95
MW-1	11/30/05			53.47		3,669.66
MW-1	02/06/06			53.67		3,669.46
MW-1	03/01/06			53.21		3,669.92
MW-1	05/02/06			52.34		3,670.79
MW-1	05/25/06			51.45		3,671.68
MW-1	08/10/06			53.45		3,669.68
MW-1	11/29/06			53.60		3,669.53
MW-1	12/06/06			53.63		3,669.50
MW-1	01/10/07			53.71		3,669.42
MW-1	02/08/07			53.58		3,669.55
MW-1	03/01/07			53.91		3,669.22
MW-1	03/06/07			53.62		3,669.51
MW-1	03/14/07			53.85		3,669.28
MW-1	04/02/07			53.67		3,669.46
MW-1	04/09/07			53.89		3,669.24
MW-1	04/16/07			53.92		3,669.21

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-1	05/01/07			53.93		3,669.20
MW-1	05/21/07			53.99		3,669.14
MW-1	06/13/07			53.90		3,669.23
MW-1	06/26/07			53.92		3,669.21
MW-1	07/18/07			54.02		3,669.11
MW-1	09/13/07			54.13		3,669.00
MW-1	10/24/07			54.19		3,668.94
MW-1	12/03/07			54.32		3,668.81
MW-1	01/29/08			54.51		3,668.62
MW-1	03/13/08			54.52		3,668.61
MW-1	05/14/08			54.64		3,668.49
MW-1	06/03/08			54.67		3,668.46
MW-1	06/18/08			54.79		3,668.34
MW-1	07/01/08			54.73		3,668.40
MW-1	07/02/08			54.82		3,668.31
MW-1	08/28/08			54.89		3,668.24
MW-1	09/26/08			54.98		3,668.15
MW-1	10/27/08			55.06		3,668.07
MW-1	12/02/08			55.14		3,667.99
MW-1	01/15/09			55.25		3,667.88
MW-1	02/05/09			55.28		3,667.85
MW-1	04/06/09			55.42		3,667.71
MW-1	05/19/09	3,724.09		55.54		3,668.55
MW-1	08/27/09			55.84		3,668.25
MW-1	12/14/09			56.03		3,668.06
MW-1	02/25/10	Dry				
MW-1	06/17/10	Dry				
MW-1	09/16/10	Dry				
MW-1	12/16/10	Dry				
MW-2	01/08/02	Well Installed 8 January 2002 - TD=59.35				

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-2	01/09/02	3,722.90	49.20	53.60	4.40	3,673.26
MW-2	10/04/02		49.21	56.33	7.12	3,672.98
MW-2	11/11/02		49.25	56.30	7.05	3,672.95
MW-2	12/11/02		49.25	56.34	7.09	3,672.94
MW-2	02/20/03		49.57	56.30	6.73	3,672.66
MW-2	03/26/03		49.66	58.09	8.43	3,672.40
MW-2	04/08/03		49.68	58.11	8.43	3,672.38
MW-2	04/23/03		50.00	56.90	6.90	3,672.21
MW-2	04/24/03		49.75	58.10	8.35	3,672.32
MW-2	04/25/03		49.78	57.95	8.17	3,672.30
MW-2	05/03/03		49.77	58.10	8.33	3,672.30
MW-2	05/06/03		49.75	58.08	8.33	3,672.32
MW-2	06/09/03		49.83	58.13	8.30	3,672.24
MW-2	06/30/03		49.95	58.04	8.09	3,672.14
MW-2	04/12/04		50.58	58.91	8.33	3,671.49
MW-2	06/04/04		50.85	57.62	6.77	3,671.37
MW-2	06/21/04		50.74	59.01	8.27	3,671.33
MW-2	10/21/04		50.59	58.20	7.61	3,671.55
MW-2	03/22/05		51.02	55.90	4.88	3,671.39
MW-2	03/31/05		51.02	55.90	4.88	3,671.39
MW-2	04/22/05		50.98	56.50	5.52	3,671.37
MW-2	05/25/05		51.23	55.61	4.38	3,671.23
MW-2	07/25/05		51.11	57.74	6.63	3,671.13
MW-2	11/30/05		51.50	58.85	7.35	3,670.67
MW-2	02/06/06		51.64	56.19	4.55	3,670.81
MW-2	03/01/06		51.67	59.20	7.53	3,670.48
MW-2	05/02/06		51.91	58.86	6.95	3,670.30
MW-2	05/25/06		51.19	58.62	7.43	3,670.97
MW-2	08/10/06		51.45	59.00	7.55	3,670.70
MW-2	11/29/06		51.63	59.18	7.55	3,670.52
MW-2	12/06/06		51.67	59.11	7.44	3,670.49

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-2	01/10/07		51.78	58.03	6.25	3,670.50
MW-2	03/01/07		52.41	60.05	7.64	3,669.73
MW-2	03/06/07		52.92	61.25	8.33	3,669.15
MW-2	03/14/07		52.14	60.43	8.29	3,669.93
MW-2	04/02/07		51.93	59.22	7.29	3,670.24
MW-2	04/09/07		52.95	58.44	5.49	3,669.40
MW-2	04/16/07		51.92	59.09	7.17	3,670.26
MW-2	05/01/07		50.58	60.17	9.59	3,671.36
MW-2	05/21/07		57.42	59.03	1.61	3,665.32
MW-2	06/26/07		52.68	57.24	4.56	3,669.76
MW-2	06/28/07		52.64	56.53	3.89	3,669.87
MW-2	07/18/07		52.55	57.79	5.24	3,669.83
MW-2	08/21/07		52.50	57.65	5.15	3,669.89
MW-2	08/30/07		52.51	57.50	4.99	3,669.89
MW-2	09/13/07		52.40	58.20	5.80	3,669.92
MW-2	10/09/07		53.11	57.17	4.06	3,669.38
MW-2	10/17/07		52.81	56.67	3.86	3,669.70
MW-2	10/24/07		52.76	57.88	5.12	3,669.63
MW-2	11/02/07		53.01	56.52	3.51	3,669.54
MW-2	11/12/07		53.02	56.51	3.49	3,669.53
MW-2	12/03/07		52.74	57.37	4.63	3,669.70
MW-2	01/03/08		52.80	59.21	6.41	3,669.46
MW-2	01/07/08		53.05	59.11	6.06	3,669.24
MW-2	01/22/08		52.69	59.19	6.50	3,669.56
MW-2	01/29/08		53.08	56.87	3.79	3,669.44
MW-2	02/06/08		53.02	58.09	5.07	3,669.37
MW-2	02/12/08		53.00	58.07	5.07	3,669.39
MW-2	03/13/08		52.89	58.58	5.69	3,669.44
MW-2	03/19/08		52.95	59.12	6.17	3,669.33
MW-2	03/27/08		53.82	55.64	1.82	3,668.90
MW-2	04/01/08		53.31	58.17	4.86	3,669.10

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-2	04/11/08		53.53	58.09	4.56	3,668.91
MW-2	04/16/08		54.84	55.59	0.75	3,667.99
MW-2	04/30/08		52.95	59.29	6.34	3,669.32
MW-2	05/14/08		53.51	57.82	4.31	3,668.96
MW-2	06/03/08		54.36	54.98	0.62	3,668.48
MW-2	06/10/08		54.49	55.20	0.71	3,668.34
MW-2	06/18/08		54.12	55.72	1.60	3,668.62
MW-2	07/01/08		54.31	56.91	2.60	3,668.33
MW-2	07/02/08		53.92	55.16	1.24	3,668.86
MW-2	07/24/08		54.87	55.18	0.31	3,668.00
MW-2	08/06/08		54.32	57.93	3.61	3,668.22
MW-2	08/28/08		53.57	57.82	4.25	3,668.91
MW-2	09/26/08		53.44	59.05	5.61	3,668.90
MW-2	10/27/08		53.56	59.04	5.48	3,668.79
MW-2	12/02/08		53.51	59.60	6.09	3,668.78
MW-2	01/15/09		53.57	59.99	6.42	3,668.69
MW-2	02/05/09		53.68	60.11	6.43	3,668.58
MW-2	04/06/09		53.87	60.48	6.61	3,668.37
MW-2	05/19/09	3,723.32	53.66	*61.5	7.84	
MW-2	07/13/09		53.90	59.27	5.37	3,668.88
MW-2	08/27/09		54.02	60.21	6.19	3,668.68
MW-2	12/14/09		55.12	58.58	3.46	3,667.63
MW-2	02/25/10		55.05	ND	?	?
MW-2	06/17/10		55.22	61.21	5.99	3,667.11
MW-2	09/16/10		54.43	ND	?	?
MW-2	12/16/10		55.68	ND	?	?
MW-3	01/24/02	Well Installed 24 January 2002 (TD-60.97)				
MW-3	10/04/02	3,720.60		49.77		3,670.83
MW-3	12/11/02			49.93		3,670.67
MW-3	02/20/03			50.13		3,670.47

TALON LPE

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-3	02/11/04			50.98		3,669.62
MW-3	08/16/04			51.64		3,668.96
MW-3	03/22/05			51.14		3,669.46
MW-3	03/31/05			51.16		3,669.44
MW-3	04/22/05			51.18		3,669.42
MW-3	05/12/05			51.26		3,669.34
MW-3	05/25/05			51.26		3,669.34
MW-3	06/28/05			51.38		3,669.22
MW-3	07/25/05			51.48		3,669.12
MW-3	08/22/05			51.52		3,669.08
MW-3	11/14/05			51.63		3,668.97
MW-3	11/30/05			51.92		3,668.68
MW-3	02/06/06			52.15		3,668.45
MW-3	03/01/06			51.77		3,668.83
MW-3	05/02/06			53.90		3,666.70
MW-3	05/25/06			53.48		3,667.12
MW-3	08/10/06			51.45		3,669.15
MW-3	11/29/06			51.67		3,668.93
MW-3	12/06/06			51.70		3,668.90
MW-3	01/10/07			51.80		3,668.80
MW-3	02/08/07			52.14		3,668.46
MW-3	03/01/07			52.40		3,668.20
MW-3	03/06/07			51.96		3,668.64
MW-3	03/14/07			52.43		3,668.17
MW-3	04/02/07			52.22		3,668.38
MW-3	04/09/07			52.45		3,668.15
MW-3	04/16/07			52.48		3,668.12
MW-3	05/01/07			52.61		3,667.99
MW-3	05/21/07			52.55		3,668.05
MW-3	06/13/07			52.46		3,668.14
MW-3	06/26/07			52.50		3,668.10

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-3	07/18/07			52.59		3,668.01
MW-3	09/13/07			52.69		3,667.91
MW-3	10/24/07			52.80		3,667.80
MW-3	12/03/07			52.89		3,667.71
MW-3	01/29/08			53.03		3,667.57
MW-3	03/13/08			53.10		3,667.50
MW-3	05/14/08			53.23		3,667.37
MW-3	06/03/08			53.27		3,667.33
MW-3	06/18/08			53.37		3,667.23
MW-3	07/01/08			53.33		3,667.27
MW-3	07/02/08			53.41		3,667.19
MW-3	08/28/08			53.47		3,667.13
MW-3	09/26/08			53.58		3,667.02
MW-3	10/27/08			53.62		3,666.98
MW-3	12/02/08			53.74		3,666.86
MW-3	01/15/09			53.85		3,666.75
MW-3	02/05/09			53.89		3,666.71
MW-3	04/06/09			54.03		3,666.57
MW-3	05/19/09	3,721.52		54.15		3,667.37
MW-3	08/27/09			54.45		3,667.07
MW-3	12/14/09			54.66		3,666.86
MW-3	02/25/10			54.87		3,666.65
MW-3	06/17/10			55.13		3,666.39
MW-3	09/16/10			55.66		3,665.86
MW-3	12/16/10			55.47		3,666.05
MW-4	01/24/02	Well Installed 24 January 2002 (TD-58.54)				
MW-4	10/04/02	3,721.03		49.35		3,671.68
MW-4	12/11/02			49.50		3,671.53
MW-4	02/20/03			49.69		3,671.34
MW-4	02/11/04			50.51		3,670.52

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-4	08/16/04			50.91		3,670.12
MW-4	03/22/05			50.67		3,670.36
MW-4	03/31/05			50.70		3,670.33
MW-4	04/22/05			50.71		3,670.32
MW-4	05/12/05			50.80		3,670.23
MW-4	05/25/05			50.80		3,670.23
MW-4	06/28/05			50.92		3,670.11
MW-4	07/25/05			51.02		3,670.01
MW-4	08/22/05			51.06		3,669.97
MW-4	11/14/05			51.15		3,669.88
MW-4	11/30/05			51.43		3,669.60
MW-4	02/06/06			51.68		3,669.35
MW-4	03/01/06			51.21		3,669.82
MW-4	05/02/06			51.88		3,669.15
MW-4	05/25/06			50.17		3,670.86
MW-4	08/10/06			51.96		3,669.07
MW-4	11/29/06			52.16		3,668.87
MW-4	12/06/06			52.19		3,668.84
MW-4	01/10/07			52.27		3,668.76
MW-4	02/08/07			51.65		3,669.38
MW-4	03/01/07			51.97		3,669.06
MW-4	03/06/07			52.45		3,668.58
MW-4	03/14/07			51.93		3,669.10
MW-4	04/02/07			51.73		3,669.30
MW-4	04/09/07			51.95		3,669.08
MW-4	04/16/07			51.46		3,669.57
MW-4	05/01/07			52.04		3,668.99
MW-4	05/21/07			52.05		3,668.98
MW-4	06/13/07			51.96		3,669.07
MW-4	06/26/07			51.96		3,669.07
MW-4	07/18/07			52.09		3,668.94

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-4	09/13/07			52.20		3,668.83
MW-4	10/24/07			52.25		3,668.78
MW-4	12/03/07			52.36		3,668.67
MW-4	01/29/08			52.44		3,668.59
MW-4	03/13/08			52.54		3,668.49
MW-4	05/14/08			52.70		3,668.33
MW-4	06/03/08			52.75		3,668.28
MW-4	06/18/08			52.84		3,668.19
MW-4	07/01/08			52.81		3,668.22
MW-4	07/02/08			52.89		3,668.14
MW-4	08/28/08			52.93		3,668.10
MW-4	09/26/08			53.04		3,667.99
MW-4	10/27/08			53.14		3,667.89
MW-4	12/02/08			53.20		3,667.83
MW-4	01/15/09			53.30		3,667.73
MW-4	02/05/09			53.33		3,667.70
MW-4	04/06/09			53.47		3,667.56
MW-4	05/19/09	3,721.94		53.58		3,668.36
MW-4	8/27/209			53.89		3,668.05
MW-4	12/14/09			54.09		3,667.85
MW-4	02/25/10			54.29		3,667.65
MW-4	06/17/10			54.54		3,667.40
MW-4	09/16/10			ND		?
MW-4	12/16/10			55.09		3,666.85
MW-5	07/28/04	Well Installed 28 July 2004				
MW-5	08/16/04	3,723.58	51.65	59.86	8.21	3,671.11
MW-5	10/21/04		51.26	58.76	7.50	3,671.57
MW-5	03/22/05		51.46	59.00	7.54	3,671.37
MW-5	03/31/05		51.46	59.00	7.54	3,671.37
MW-5	04/22/05		52.62	55.95	3.33	3,670.63

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-5	05/25/05		52.18	56.23	4.05	3,671.00
MW-5	07/25/05		52.06	57.97	5.91	3,670.93
MW-5	11/30/05		52.17	60.20	8.03	3,670.61
MW-5	02/06/06		52.44	60.51	8.07	3,670.33
MW-5	03/01/06		52.45	60.53	8.08	3,670.32
MW-5	05/02/06		52.68	59.94	7.26	3,670.17
MW-5	05/25/06		52.30	59.89	7.59	3,670.52
MW-5	08/10/06		52.33	60.28	7.95	3,670.46
MW-5	11/29/06		52.45	60.24	7.79	3,670.35
MW-5	12/06/06		52.44	60.19	7.75	3,670.37
MW-5	01/10/07		52.48	58.87	6.39	3,670.46
MW-5	03/01/07		52.75	60.48	7.73	3,670.06
MW-5	03/06/07		52.70	60.48	7.78	3,670.10
MW-5	03/14/07		51.85	61.25	9.40	3,670.79
MW-5	04/02/07		52.70	60.55	7.85	3,670.10
MW-5	04/09/07		52.74	60.50	7.76	3,670.06
MW-5	04/16/07		52.74	60.55	7.81	3,670.06
MW-5	05/01/07		52.81	60.49	7.68	3,670.00
MW-5	05/21/07		52.85	60.57	7.72	3,669.96
MW-5	06/26/07		53.90	55.68	1.78	3,669.50
MW-5	06/28/07		54.07	54.71	0.64	3,669.45
MW-5	07/18/07		53.80	56.97	3.17	3,669.46
MW-5	08/21/07		54.19	54.47	0.28	3,669.36
MW-5	08/30/07		52.90	60.12	7.22	3,669.96
MW-5	09/13/07		53.11	58.74	5.63	3,669.91
MW-5	10/09/07		54.39	54.79	0.40	3,669.15
MW-5	10/17/07		53.10	60.32	7.22	3,669.76
MW-5	10/24/07		54.10	55.55	1.45	3,669.34
MW-5	11/02/07		54.38	54.71	0.33	3,669.17
MW-5	11/12/07		53.16	60.33	7.17	3,669.70
MW-5	12/03/07		53.65	58.43	4.78	3,669.45

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-5	01/03/08		54.64	55.57	0.93	3,668.85
MW-5	01/07/08		54.43	55.56	1.13	3,669.04
MW-5	01/22/08		54.87	58.53	3.66	3,668.34
MW-5	01/29/08		53.89	58.47	4.58	3,669.23
MW-5	02/06/08		53.87	58.69	4.82	3,669.23
MW-5	02/12/08		53.89	58.70	4.81	3,669.21
MW-5	03/13/08		53.94	58.77	4.83	3,669.16
MW-5	03/19/08		53.78	59.98	6.20	3,669.18
MW-5	03/27/08		54.44	57.16	2.72	3,668.87
MW-5	04/01/08		54.11	59.06	4.95	3,668.98
MW-5	04/11/08		54.37	58.07	3.70	3,668.84
MW-5	04/16/08		54.85	55.80	0.95	3,668.64
MW-5	04/30/08		54.37	58.16	3.79	3,668.83
MW-5	05/12/08		54.47	57.89	3.42	3,668.77
MW-5	06/03/08		53.92	61.08	7.16	3,668.94
MW-5	06/10/08		55.92	57.66	1.74	3,667.49
MW-5	06/18/08		54.64	58.12	3.48	3,668.59
MW-5	07/01/08		54.80	59.00	4.20	3,668.36
MW-5	07/02/08		54.35	58.15	3.80	3,668.85
MW-5	07/07/08		54.22	60.41	6.19	3,668.74
MW-5	07/24/08		55.40	57.16	1.76	3,668.00
MW-5	08/06/08		54.93	59.62	4.69	3,668.18
MW-5	08/28/08		54.55	57.54	2.99	3,668.73
MW-5	09/26/08		54.18	60.03	5.85	3,668.82
MW-5	10/27/08		54.41	59.34	4.93	3,668.68
MW-5	12/02/08		54.26	60.42	6.16	3,668.70
MW-5	01/15/09		54.35	60.91	6.56	3,668.57
MW-5	02/05/09		54.38	60.96	6.58	3,668.54
MW-5	04/06/09		54.63	61.41	6.78	3,668.27
MW-5	05/19/09	3,724.08	54.44	61.60	7.16	3,668.92
MW-5	07/13/09		55.55	61.58	6.03	3,667.93

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-5	08/27/09		54.97	60.78	5.81	3,668.15
MW-5	12/14/09		56.24	57.64	1.40	3,667.61
MW-5	02/25/10		55.96	61.63	5.67	3,667.18
MW-5	06/17/10		56.48	60.27	3.79	3,666.97
MW-5	09/16/10		56.55	61.65	5.10	3,666.69
MW-5	12/16/10		56.59	62.74	6.15	3,666.48
MW-6	12/08/04	Well installed 8 December 2004				
MW-6	12/15/04	3,721.68	49.49	56.62	7.13	3,671.48
MW-6	03/22/05		49.55	56.86	7.31	3,671.40
MW-6	03/31/05		49.55	56.86	7.31	3,671.40
MW-6	04/22/05		50.82	51.66	0.84	3,670.78
MW-6	05/25/05		50.61	53.11	2.50	3,670.82
MW-6	06/28/05		49.83	57.69	7.86	3,671.06
MW-6	07/25/05		50.30	55.50	5.20	3,670.86
MW-6	11/30/05		50.33	58.35	8.02	3,670.55
MW-6	02/06/06		50.65	58.80	8.15	3,670.22
MW-6	03/01/06		50.63	58.64	8.01	3,670.25
MW-6	05/02/06		50.82	58.10	7.28	3,670.13
MW-6	05/25/06		50.21	58.12	7.91	3,670.68
MW-6	08/10/06		50.47	59.55	9.08	3,670.30
MW-6	11/29/06		50.63	58.33	7.70	3,670.28
MW-6	12/06/06		50.60	58.33	7.73	3,670.31
MW-6	01/10/07		50.71	57.36	6.65	3,670.31
MW-6	02/08/07		50.71	58.38	7.67	3,670.20
MW-6	02/19/07		58.36	58.87	0.51	3,663.27
MW-6	03/01/07		50.89	58.45	7.56	3,670.03
MW-6	03/06/07		50.86	58.58	7.72	3,670.05
MW-6	03/14/07		52.80	58.51	5.71	3,668.31
MW-6	04/02/07		50.86	58.54	7.68	3,670.05
MW-6	04/09/07		50.87	58.56	7.69	3,670.04

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-6	04/16/07		50.92	58.54	7.62	3,670.00
MW-6	05/01/07		50.91	58.57	7.66	3,670.00
MW-6	05/21/07		50.96	58.62	7.66	3,669.95
MW-6	06/26/07		52.20	53.25	1.05	3,669.38
MW-6	06/28/07		52.10	53.10	1.00	3,669.48
MW-6	07/18/07		51.89	54.61	2.72	3,669.52
MW-6	08/21/07		52.32	52.56	0.24	3,669.34
MW-6	08/30/07		51.23	57.72	6.49	3,669.80
MW-6	09/13/07		51.88	54.85	2.97	3,669.50
MW-6	10/09/07		52.45	52.65	0.20	3,669.21
MW-6	10/17/07		51.61	58.61	7.00	3,669.37
MW-6	10/24/07		51.24	58.30	7.06	3,669.73
MW-6	11/02/07		52.04	54.86	2.82	3,669.36
MW-6	11/12/07		52.10	54.91	2.81	3,669.30
MW-6	12/03/07		51.78	56.60	4.82	3,669.42
MW-6	01/03/08		51.94	56.64	4.70	3,669.27
MW-6	01/07/08		52.19	56.62	4.43	3,669.05
MW-6	01/22/08		51.89	57.06	5.17	3,669.27
MW-6	01/29/08		51.92	56.70	4.78	3,669.28
MW-6	02/06/08		51.97	57.79	5.82	3,669.13
MW-6	02/12/08		51.99	57.81	5.82	3,669.11
MW-6	03/13/08		52.09	56.82	4.73	3,669.12
MW-6	03/19/08		51.99	57.37	5.38	3,669.15
MW-6	03/27/08		52.40	55.83	3.43	3,668.94
MW-6	04/01/08		52.39	55.93	3.54	3,668.94
MW-6	04/11/08		52.58	55.63	3.05	3,668.80
MW-6	04/16/08		53.04	53.26	0.22	3,668.62
MW-6	04/30/08		52.79	54.57	1.78	3,668.71
MW-6	05/14/08		52.51	56.20	3.69	3,668.80
MW-6	05/23/08		53.49	53.89	0.40	3,668.15
MW-6	06/03/08		52.52	57.19	4.67	3,668.69

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-6	06/10/08		52.51	57.59	5.08	3,668.66
MW-6	06/18/08		52.47	57.93	5.46	3,668.66
MW-6	07/01/08		53.01	56.07	3.06	3,668.36
MW-6	07/02/08		52.90	54.18	1.28	3,668.65
MW-6	07/24/08		53.43	55.22	1.79	3,668.07
MW-6	08/06/08		53.20	56.80	3.60	3,668.12
MW-6	08/28/08		52.50	56.46	3.96	3,668.78
MW-6	09/26/08		52.37	57.67	5.30	3,668.78
MW-6	10/27/08		52.52	57.24	4.72	3,668.69
MW-6	12/02/08		52.45	58.17	5.72	3,668.66
MW-6	01/15/09		52.51	58.50	5.99	3,668.57
MW-6	02/05/09		52.58	58.50	5.92	3,668.51
MW-6	04/06/09		52.73	58.96	6.23	3,668.33
MW-6	05/19/09	3,722.16	52.63	59.50	6.87	3,668.84
MW-6	07/13/09		52.89	59.34	6.45	3,668.63
MW-6	08/27/09		53.09	59.10	6.01	3,668.08
MW-6	12/14/09		54.12	56.84	2.72	3,667.59
MW-6	02/25/10		53.89	59.08	5.19	3,667.41
MW-6	06/17/10		54.08	60.42	6.34	3,667.03
MW-6	09/16/10		54.37	60.76	6.39	3,666.74
MW-6	12/16/10		54.74	60.08	5.34	3,666.54
MW-7	07/28/04	Well Installed 28 July 2004				
MW-7	08/16/04	3,722.74	52.14	52.70	0.56	3,670.54
MW-7	10/21/04		51.00	55.23	4.23	3,671.32
MW-7	03/22/05		50.78	57.48	6.70	3,671.29
MW-7	03/31/05		50.78	57.48	6.70	3,671.29
MW-7	04/22/05		51.92	57.31	5.39	3,670.28
MW-7	05/25/05		51.78	53.44	1.66	3,670.79
MW-7	06/28/05		51.53	55.39	3.86	3,670.82
MW-7	07/25/05		52.07	53.35	1.28	3,670.54

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-7	11/30/05		51.50	58.48	6.98	3,670.54
MW-7	02/06/06		51.75	58.71	6.96	3,670.29
MW-7	03/01/06		52.10	57.31	5.21	3,670.12
MW-7	05/02/06		52.35	56.91	4.56	3,669.93
MW-7	05/25/06		52.79	58.60	5.81	3,669.37
MW-7	08/10/06		51.56	58.61	7.05	3,670.48
MW-7	11/29/06		51.76	58.86	7.10	3,670.27
MW-7	12/06/06		51.78	58.91	7.13	3,670.25
MW-7	01/10/07		51.86	56.96	5.10	3,670.37
MW-7	02/08/07		51.92	58.85	6.93	3,670.13
MW-7	02/19/07		52.35	56.42	4.07	3,669.98
MW-7	03/01/07		52.21	58.13	5.92	3,669.94
MW-7	03/06/07		52.14	58.56	6.42	3,669.96
MW-7	03/14/07		52.07	58.86	6.79	3,669.99
MW-7	04/02/07		52.03	59.06	7.03	3,670.01
MW-7	04/09/07		52.09	59.11	7.02	3,669.95
MW-7	04/16/07		52.08	59.16	7.08	3,669.95
MW-7	05/01/07		52.16	58.82	6.66	3,669.91
MW-7	05/21/07		52.14	59.11	6.97	3,669.90
MW-7	06/26/07		52.20	58.98	6.78	3,669.86
MW-7	06/28/07		52.20	58.73	6.53	3,669.89
MW-7	07/18/07		52.24	58.77	6.53	3,669.85
MW-7	08/21/07		52.30	58.79	6.49	3,669.79
MW-7	08/30/07		52.30	58.83	6.53	3,669.79
MW-7	09/13/07		52.35	58.89	6.54	3,669.74
MW-7	10/09/07		52.37	58.96	6.59	3,669.71
MW-7	10/17/07		52.40	59.02	6.62	3,669.68
MW-7	10/24/07		52.39	58.98	6.59	3,669.69
MW-7	11/02/07		52.47	59.05	6.58	3,669.61
MW-7	11/12/07		52.49	57.99	5.50	3,669.70
MW-7	12/03/07		52.57	59.12	6.55	3,669.52

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-7	01/03/08		52.39	59.12	6.73	3,669.68
MW-7	01/07/08		52.57	59.08	6.51	3,669.52
MW-7	01/22/08		52.71	59.09	6.38	3,669.39
MW-7	01/29/08		52.74	59.21	6.47	3,669.35
MW-7	02/06/08		52.77	59.13	6.36	3,669.33
MW-7	02/12/08		52.75	59.10	6.35	3,669.36
MW-7	03/13/08		52.86	59.79	6.93	3,669.19
MW-7	03/19/08		52.88	59.26	6.38	3,669.22
MW-7	03/27/08		52.96	59.29	6.33	3,669.15
MW-7	04/01/08		52.93	59.53	6.40	3,668.97
MW-7	04/11/08		53.01	59.39	6.38	3,669.09
MW-7	04/16/08		53.02	59.41	6.39	3,669.08
MW-7	04/30/08		53.05	59.46	6.41	3,669.05
MW-7	05/14/08		53.12	59.43	6.31	3,668.99
MW-7	05/23/08		53.31	59.61	6.30	3,668.80
MW-7	06/03/08		53.29	59.53	6.24	3,668.83
MW-7	06/10/08		53.33	59.58	6.25	3,668.79
MW-7	06/18/08		54.16	55.95	1.79	3,668.40
MW-7	07/01/08		54.28	55.76	1.48	3,668.31
MW-7	07/02/08		53.90	55.50	1.60	3,668.68
MW-7	07/24/08		54.59	55.36	0.77	3,668.07
MW-7	08/06/08		54.71	55.54	0.83	3,667.95
MW-7	08/28/08		54.01	55.30	1.29	3,668.60
MW-7	09/26/08		53.51	58.01	4.50	3,668.78
MW-7	10/27/08		54.05	56.02	1.97	3,668.49
MW-7	12/02/08		53.96	57.00	3.04	3,668.48
MW-7	01/15/09		53.72	58.71	4.99	3,668.52
MW-7	02/05/09		53.82	58.51	4.69	3,668.45
MW-7	04/06/09		53.82	59.41	5.59	3,668.36
MW-7	05/19/09	3,723.23	54.02	59.04	5.02	3,668.71
MW-7	07/13/09		54.20	59.21	5.01	3,668.53

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-7	08/27/09		54.70	57.46	2.76	3,668.07
MW-7	12/14/09		55.61	55.85	0.24	3,667.58
MW-7	02/25/10		55.70	57.60	1.90	3,667.22
MW-7	06/17/10		56.21	56.41	0.20	3,666.99
MW-7	09/16/10		56.41	56.60	0.19	3,666.79
MW-7	12/16/10		56.12	57.90	1.78	3,666.82
MW-8	07/30/04	Well Installed 30 July 2004				
MW-8	08/16/04	3,722.85	53.96	54.41	0.45	3,668.85
MW-8	10/21/04		51.15	54.38	3.23	3,671.38
MW-8	03/22/05		50.78	57.15	6.37	3,671.43
MW-8	03/31/05		50.78	57.15	6.37	3,671.43
MW-8	04/22/05		51.90	57.08	5.18	3,670.43
MW-8	05/25/05		51.99	52.15	0.16	3,670.84
MW-8	06/28/05		50.04	57.31	7.27	3,672.08
MW-8	07/25/05		51.82	54.14	2.32	3,670.80
MW-8	11/30/05		51.47	58.47	7.00	3,670.68
MW-8	02/06/06		51.75	57.80	6.05	3,670.50
MW-8	03/01/06		51.91	57.90	5.99	3,670.34
MW-8	05/02/06		52.26	56.95	4.69	3,670.12
MW-8	05/25/06		51.47	57.61	6.14	3,670.77
MW-8	08/10/06		52.28	54.69	2.41	3,670.33
MW-8	11/29/06		51.98	57.22	5.24	3,670.35
MW-8	12/06/06		52.48	55.71	3.23	3,670.05
MW-8	01/10/07		51.84	57.01	5.17	3,670.49
MW-8	02/08/07		52.10	58.61	6.51	3,670.10
MW-8	02/19/07		52.48	56.67	4.19	3,669.95
MW-8	03/01/07		52.25	57.13	4.88	3,670.11
MW-8	03/06/07		52.17	57.92	5.75	3,670.11
MW-8	03/14/07		52.06	58.21	6.15	3,670.18
MW-8	04/02/07		52.07	58.42	6.35	3,670.15

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-8	04/09/07		52.08	58.49	6.41	3,670.13
MW-8	04/16/07		52.11	58.54	6.43	3,670.10
MW-8	05/01/07		52.17	58.40	6.23	3,670.06
MW-8	05/21/07		52.19	58.51	6.32	3,670.03
MW-8	06/26/07		53.10	54.80	1.70	3,669.58
MW-8	06/28/07		53.09	54.52	1.43	3,669.62
MW-8	07/18/07		52.52	57.55	5.03	3,669.83
MW-8	08/21/07		52.96	55.52	2.56	3,669.63
MW-8	08/30/07		53.20	55.17	1.97	3,669.45
MW-8	09/13/07		52.90	55.67	2.77	3,669.67
MW-8	10/09/07		52.41	57.00	4.59	3,669.98
MW-8	10/17/07		52.80	56.87	4.07	3,669.64
MW-8	10/24/07		52.78	57.10	4.32	3,669.64
MW-8	11/02/07		53.52	53.71	0.19	3,669.31
MW-8	12/03/07		52.61	58.39	5.78	3,669.66
MW-8	01/03/08		53.70	53.89	0.19	3,669.13
MW-8	01/07/08		53.61	53.91	0.30	3,669.21
MW-8	01/22/08		53.70	54.19	0.49	3,669.10
MW-8	01/29/08		53.21	56.43	3.22	3,669.32
MW-8	02/06/08		53.06	56.79	3.73	3,669.42
MW-8	02/12/08		53.03	56.82	3.79	3,669.44
MW-8	03/13/08		52.69	54.80	2.11	3,669.95
MW-8	03/19/08		53.54	55.73	2.19	3,669.09
MW-8	03/27/08		53.92	54.45	0.53	3,668.88
MW-8	04/01/08		53.57	56.94	3.37	3,668.94
MW-8	04/11/08		54.23	55.48	1.25	3,668.50
MW-8	04/16/08		54.01	54.20	0.19	3,668.82
MW-8	04/30/08		54.04	54.28	0.24	3,668.79
MW-8	05/14/08		53.52	57.24	3.72	3,668.96
MW-8	05/23/08		54.37	54.59	0.22	3,668.46
MW-8	06/03/08		54.28	54.49	0.21	3,668.55

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-8	06/10/08		54.37	54.54	0.17	3,668.46
MW-8	06/18/08		54.31	54.68	0.37	3,668.50
MW-8	07/01/08		54.53	54.68	0.15	3,668.31
MW-8	07/02/08		53.98	54.56	0.58	3,668.81
MW-8	07/24/08		54.50	55.85	1.35	3,668.22
MW-8	08/06/08		54.71	55.05	0.34	3,668.11
MW-8	08/28/08		54.13	54.39	0.26	3,668.69
MW-8	09/26/08		53.77	58.45	4.68	3,668.61
MW-8	10/27/08		54.14	55.22	1.08	3,668.60
MW-8	12/02/08		53.61	58.24	4.63	3,668.78
MW-8	01/15/09		53.63	58.75	5.12	3,668.71
MW-8	02/05/09		53.69	58.87	5.18	3,668.64
MW-8	04/06/09		53.91	59.18	5.27	3,668.41
MW-8	05/19/09	3,723.41	53.82	59.54	5.72	3,669.02
MW-8	07/13/09		54.29	58.90	4.61	3,668.66
MW-8	08/27/09		54.75	56.79	2.04	3,668.32
MW-8	12/14/09		55.52	55.74	0.22	3,667.85
MW-8	02/25/10		55.74	56.85	1.11	3,667.49
MW-8	06/17/10		56.11	56.28	0.17	3,667.27
MW-8	09/16/10		56.51	56.74	0.23	3,666.86
MW-8	12/16/10		56.21	57.12	0.91	3,667.05
MW-9	07/30/04	Well Installed 30 July 2004				
MW-9	08/16/04	3,722.80	53.92	54.65	0.73	3,668.81
MW-9	10/21/04		50.95	53.99	3.04	3,671.55
MW-9	03/22/05		51.04	54.53	3.49	3,671.41
MW-9	03/31/05		51.04	54.53	3.49	3,671.41
MW-9	04/22/05		51.71	51.77	0.06	3,671.08
MW-9	05/25/05		51.70	52.22	0.52	3,671.05
MW-9	06/28/05		50.95	55.84	4.89	3,671.36
MW-9	07/25/05		51.74	52.89	1.15	3,670.95

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-9	11/30/05		51.24	57.92	6.68	3,670.89
MW-9	02/06/06		51.47	58.25	6.78	3,670.65
MW-9	03/01/06		51.99	56.32	4.33	3,670.38
MW-9	05/02/06		52.12	56.23	4.11	3,670.27
MW-9	05/25/06		51.42	55.99	4.57	3,670.92
MW-9	08/10/06		51.41	58.20	6.79	3,670.71
MW-9	11/29/06		51.56	58.24	6.68	3,670.57
MW-9	12/06/06		51.61	58.30	6.69	3,670.52
MW-9	01/10/07		51.63	57.17	5.54	3,670.62
MW-9	02/08/07		51.72	58.31	6.59	3,670.42
MW-9	02/19/07		52.31	56.42	4.11	3,670.08
MW-9	03/01/07		51.95	57.59	5.64	3,670.29
MW-9	03/06/07		51.89	58.01	6.12	3,670.30
MW-9	03/14/07		51.82	58.24	6.42	3,670.34
MW-9	04/02/07		51.81	58.33	6.52	3,670.34
MW-9	04/09/07		51.88	58.40	6.52	3,670.27
MW-9	04/16/07		51.88	58.45	6.57	3,670.26
MW-9	05/01/07		51.93	58.09	6.16	3,670.25
MW-9	05/21/07		51.98	58.45	6.47	3,670.17
MW-9	06/26/07		52.04	58.52	6.48	3,670.11
MW-9	06/28/07		52.04	58.50	6.46	3,670.11
MW-9	07/18/07		51.93	58.41	6.48	3,670.22
MW-9	08/21/07		52.03	58.50	6.47	3,670.12
MW-9	08/30/07		53.15	53.45	0.30	3,669.62
MW-9	09/13/07		52.24	57.67	5.43	3,670.02
MW-9	10/09/07		52.15	58.48	6.33	3,670.02
MW-9	10/17/07		53.31	58.52	5.21	3,668.97
MW-9	11/02/07		52.38	57.82	5.44	3,669.88
MW-9	11/12/07		53.39	53.55	0.16	3,669.39
MW-9	12/03/07		52.42	58.14	5.72	3,669.81
MW-9	01/03/08		52.38	58.59	6.21	3,669.80

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-9	01/07/08		52.47	58.56	6.09	3,669.72
MW-9	01/22/08		52.86	56.67	3.81	3,669.56
MW-9	01/29/08		52.71	57.84	5.13	3,669.58
MW-9	02/06/08		52.54	58.38	5.84	3,669.68
MW-9	02/12/08		52.56	58.41	5.85	3,669.66
MW-9	03/13/08		52.66	58.83	6.17	3,669.52
MW-9	03/19/08		52.57	58.78	6.21	3,669.61
MW-9	03/27/08		52.64	58.87	6.23	3,669.54
MW-9	04/01/08		52.66	58.83	6.17	3,669.52
MW-9	04/11/08		52.74	58.39	5.65	3,669.50
MW-9	04/16/08		53.73	58.96	5.23	3,668.55
MW-9	05/14/08		52.82	59.04	6.22	3,669.36
MW-9	06/03/08		54.09	54.99	0.90	3,668.62
MW-9	06/10/08		53.50	59.81	6.31	3,668.67
MW-9	06/18/08		53.29	58.17	4.88	3,669.02
MW-9	07/01/08		53.20	59.06	5.86	3,669.01
MW-9	07/02/08		53.75	58.94	5.19	3,668.53
MW-9	07/07/08		53.26	59.25	5.99	3,668.94
MW-9	07/24/08		53.36	59.48	6.12	3,668.83
MW-9	08/06/08		54.43	55.08	0.65	3,668.31
MW-9	08/28/08		53.43	56.83	3.40	3,669.03
MW-9	09/26/08		54.01	54.76	0.75	3,668.72
MW-9	10/27/08		54.03	55.01	0.98	3,668.67
MW-9	12/02/08		53.89	55.93	2.04	3,668.71
MW-9	01/15/09		53.96	56.27	2.31	3,668.61
MW-9	02/05/09		54.03	56.42	2.39	3,668.53
MW-9	04/06/09		53.87	58.72	4.85	3,668.45
MW-9	05/19/09	3,723.25	54.24	56.28	2.04	3,668.81
MW-9	07/13/09		54.35	56.80	2.45	3,668.66
MW-9	08/27/09		54.74	55.65	0.91	3,668.36
MW-9	12/14/09		55.32	55.50	0.18	3,667.90

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-9	02/25/10		55.70	56.39	0.69	3,667.44
MW-9	06/17/10		55.75	57.48	1.73	3,667.21
MW-9	09/16/10		56.26	56.44	0.18	3,666.96
MW-9	12/16/10		56.25	56.85	0.60	3,666.90
MW-10	12/07/04	Well installed 7 December 2004 (TD-59.22)				
MW-10	12/15/04	3,723.62		52.17		3,671.45
MW-10	03/22/05			52.28		3,671.34
MW-10	03/31/05			52.31		3,671.31
MW-10	04/22/05			52.36		3,671.26
MW-10	05/12/05			52.41		3,671.21
MW-10	05/25/05			52.42		3,671.20
MW-10	06/28/05			52.52		3,671.10
MW-10	07/25/05			52.61		3,671.01
MW-10	08/22/05			52.67		3,670.95
MW-10	11/14/05			52.76		3,670.86
MW-10	11/30/05			53.05		3,670.57
MW-10	02/06/06			53.29		3,670.33
MW-10	03/01/06			53.85		3,669.77
MW-10	05/02/06			53.47		3,670.15
MW-10	05/25/06			53.08		3,670.54
MW-10	08/10/06			53.07		3,670.55
MW-10	11/29/06			53.29		3,670.33
MW-10	12/06/06			53.32		3,670.30
MW-10	01/10/07			53.38		3,670.24
MW-10	02/08/07			53.24		3,670.38
MW-10	03/01/07			53.73		3,669.89
MW-10	03/06/07			53.51		3,670.11
MW-10	03/14/07			53.52		3,670.10
MW-10	04/02/07			53.35		3,670.27
MW-10	04/09/07			53.57		3,670.05

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-10	04/16/07			53.58		3,670.04
MW-10	05/01/07			53.63		3,669.99
MW-10	05/21/07			53.65		3,669.97
MW-10	06/13/07			53.57		3,670.05
MW-10	06/26/07			53.60		3,670.02
MW-10	07/18/07			53.69		3,669.93
MW-10	09/13/07			53.79		3,669.83
MW-10	10/24/07			53.86		3,669.76
MW-10	12/03/07			53.98		3,669.64
MW-10	01/29/08			54.06		3,669.56
MW-10	03/13/08			54.18		3,669.44
MW-10	05/14/08			54.28		3,669.34
MW-10	06/03/08			54.31		3,669.31
MW-10	06/18/08			54.43		3,669.19
MW-10	07/01/08			54.38		3,669.24
MW-10	07/02/08			54.47		3,669.15
MW-10	08/28/08			54.54		3,669.08
MW-10	09/26/08			54.63		3,668.99
MW-10	10/27/08			54.70		3,668.92
MW-10	12/02/08			54.77		3,668.85
MW-10	01/15/09			54.88		3,668.74
MW-10	02/05/09			54.92		3,668.70
MW-10	04/06/09			55.06		3,668.56
MW-10	05/19/09	3,724.14		55.16		3,668.98
MW-10	08/27/09			55.47		3,668.67
MW-10	12/14/09			55.65		3,668.49
MW-10	02/25/10			55.84		3,668.30
MW-10	06/17/10			56.11		3,668.03
MW-10	09/16/10			56.64		3,667.50
MW-10	12/16/10			56.68		3,667.46

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-11	12/07/04	Well installed 7 December 2004				
MW-11	12/15/04	3,722.03	50.49	55.54	5.05	3,671.04
MW-11	03/22/05		50.33	56.71	6.38	3,671.06
MW-11	03/31/05		50.33	56.71	6.38	3,671.06
MW-11	04/22/05		50.34	56.95	6.61	3,671.03
MW-11	05/25/05		51.34	53.06	1.72	3,670.52
MW-11	06/28/05		50.67	57.07	6.40	3,670.72
MW-11	07/25/05		51.06	55.54	4.48	3,670.52
MW-11	11/30/05		51.11	57.79	6.68	3,670.25
MW-11	02/03/06		51.35	58.06	6.71	3,670.01
MW-11	03/01/06		51.39	58.16	6.77	3,669.96
MW-11	05/02/06		51.54	58.25	6.71	3,669.82
MW-11	05/25/06		51.12	57.97	6.85	3,670.23
MW-11	08/10/06		51.10	57.97	6.87	3,670.24
MW-11	11/29/06		51.32	58.24	6.92	3,670.02
MW-11	12/06/06		52.33	53.48	1.15	3,669.59
MW-11	01/10/07		51.37	57.98	6.61	3,670.00
MW-11	02/08/07		51.47	58.49	7.02	3,669.86
MW-11	02/19/07		51.57	58.38	6.81	3,669.78
MW-11	03/01/07		51.61	58.38	6.77	3,669.74
MW-11	03/06/07		51.57	58.39	6.82	3,669.78
MW-11	03/14/07		51.57	58.34	6.77	3,669.78
MW-11	04/02/07		51.62	58.41	6.79	3,669.73
MW-11	04/09/07		52.63	58.38	5.75	3,668.83
MW-11	04/16/07		51.64	58.38	6.74	3,669.72
MW-11	05/01/07		51.68	58.39	6.71	3,669.68
MW-11	05/21/07		51.90	58.62	6.72	3,669.46
MW-11	06/26/07		51.80	58.44	6.64	3,669.57
MW-11	06/28/07		51.80	58.38	6.58	3,669.57
MW-11	07/18/07		51.76	58.31	6.55	3,669.62
MW-11	10/24/07		51.94	58.26	6.32	3,669.46

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-11	11/02/07		52.00	58.32	6.32	3,669.40
MW-11	11/12/07		52.01	58.30	6.29	3,669.39
MW-11	12/03/07		52.58	56.55	3.97	3,669.05
MW-11	01/03/08		53.19	54.23	1.04	3,668.74
MW-11	01/07/08		52.96	54.22	1.26	3,668.94
MW-11	01/22/08		52.77	56.36	3.59	3,668.90
MW-11	01/29/08		54.02	55.34	1.32	3,667.88
MW-11	02/06/08		52.51	57.88	5.37	3,668.98
MW-11	02/12/08		52.53	57.90	5.37	3,668.96
MW-11	03/13/08		52.93	56.50	3.57	3,668.74
MW-11	03/19/08		52.71	57.58	4.87	3,668.83
MW-11	04/01/08		53.35	54.89	1.54	3,668.53
MW-11	04/11/08		53.16	56.08	2.92	3,668.58
MW-11	04/16/08		53.65	53.83	0.18	3,668.36
MW-11	05/14/08		53.18	56.64	3.46	3,668.50
MW-11	05/23/08		53.85	54.01	0.16	3,668.16
MW-11	06/03/08		53.87	54.16	0.29	3,668.13
MW-11	06/10/08		53.92	54.11	0.19	3,668.09
MW-11	06/18/08		53.94	54.43	0.49	3,668.04
MW-11	07/01/08		54.06	54.25	0.19	3,667.95
MW-11	07/02/08		53.69	53.92	0.23	3,668.32
MW-11	07/24/08		53.76	56.96	3.20	3,667.95
MW-11	08/06/08		54.37	54.59	0.22	3,667.64
MW-11	08/28/08		53.75	54.13	0.38	3,668.24
MW-11	09/26/08		53.32	56.89	3.57	3,668.35
MW-11	10/27/08		53.17	57.75	4.58	3,668.40
MW-11	12/02/08		53.19	58.12	4.93	3,668.35
MW-11	01/15/09		53.35	58.14	4.79	3,668.20
MW-11	02/05/09		53.36	58.13	4.77	3,668.19
MW-11	04/06/09		53.48	58.14	4.66	3,668.08
MW-11	05/19/09	3,722.55	53.38	58.13	4.75	3,668.70

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	Top of Casing Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl
MW-11	07/13/09		53.78	58.21	4.43	3,668.33
MW-11	08/27/09		53.75	58.21	4.46	3,668.06
MW-11	12/14/09		55.71	57.74	2.03	3,666.51
MW-11	02/25/10		54.85	58.56	3.71	3,667.09
MW-11	06/17/10		54.94	58.54	3.60	3,667.02
MW-11	09/16/10		55.06	58.57	3.51	3,666.91
MW-11	12/16/10		55.20	58.27	3.07	3,666.84
MW-12		Well installed March 11, 2009 (TD-71.81)				
MW-12	04/06/09			57.01		
MW-12	05/19/09	3,724.11		57.02		3,667.09
MW-12	08/27/09			57.44		3,666.67
MW-12	12/14/09			57.65		3,666.46
MW-12	02/25/10			58.83		3,665.28
MW-12	06/17/10			58.12		3,665.99
MW-12	09/16/10			58.66		3,665.45
MW-12	12/16/10			58.71		3,665.40
MW-13		Well installed March 11, 2009 (TD-70.85)				
MW-13	04/06/09			55.92		
MW-13	05/19/09	3,723.19		56.04		3,667.15
MW-13	08/27/09			56.32		3,666.87
MW-13	12/14/09			56.65		3,666.54
MW-13	02/25/10			56.76		3,666.43
MW-13	06/17/10			57.02		3,666.17
MW-13	09/16/10			57.55		3,665.64
MW-13	12/16/10			57.60		3,665.59

Corrected Groundwater Elevation = Top of Casing Elevation - (Depth to Water Below Top of Casing - (SG)(PSH Thickness))).
SG = 0.835
amsl - above mean sea level
btoc - below top of casing

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

Monitor Well#	Date Gauged	*Top of Casing* Elevation	Depth to PSH	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
		feet amsl*	feet btoc*	feet btoc	feet	feet amsl

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. #AP-0029
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.050.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-1	01/24/02	Well installed 01/24/2002				
MW-1	01/24/02	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	03/01/02	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	10/04/02	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	12/11/02	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	02/20/03	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	02/11/04	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	08/16/04	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	12/15/04	Not Scheduled for sampling				
MW-1	03/31/05	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	05/12/05	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	08/22/05	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	11/14/05	Not Scheduled for sampling				
MW-1	03/01/06	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	08/10/06	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	04/02/07	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	06/13/07	Not Scheduled for sampling				
MW-1	09/13/07	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-1	12/03/07	Not Scheduled for sampling				
MW-1	03/13/08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-1	06/18/08	Not Scheduled for sampling				
MW-1	09/26/08	Not Enough Water for Sample Collection				
MW-1	12/02/08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-1	02/05/09	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-1	05/19/09	Not Scheduled for sampling				
MW-1	08/27/09	Not Scheduled for sampling				
MW-1	12/14/09	Not Scheduled for sampling				
MW-1	02/25/10	Dry				
MW-1	06/17/10	Dry				
MW-1	09/17/10	Dry				
MW-1	12/16/10	Dry				
MW-2	01/09/02	Well installed 01/09/2002				
MW-2	01/24/02	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	03/01/02	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	10/04/02	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	12/11/02	Not Sampled Due to Presence of Phase Separated Hydrocarbons				

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. #AP-0029
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.050.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-2	02/20/03	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	02/11/04	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	08/16/04	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	12/15/04	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	03/31/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	05/12/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	08/22/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	11/14/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	03/01/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	08/10/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	04/02/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	06/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	09/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	12/03/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	03/13/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	06/18/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	09/26/08	17.8	13.6	2.54	6.00	39.9
MW-2	12/02/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	02/05/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	05/19/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	08/27/09	Not Enough Water for Sample Collection				
MW-2	12/14/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	02/25/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	06/17/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	09/17/10	Not Enough Water for Sample Collection				
MW-2	12/16/10	Not Enough Water for Sample Collection				
MW-3	01/24/02	Well installed 01/24/2002				
MW-3	01/24/02	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-3	03/01/02	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-3	10/04/02	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-3	12/11/02	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-3	02/20/03	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-3	02/11/04	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-3	08/16/04	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-3	12/15/04	Not Scheduled for sampling				

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. #AP-0029
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.050.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-3	03/31/05	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-3	05/12/05	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-3	08/22/05	Not Scheduled for sampling				
MW-3	11/14/05	Not Scheduled for sampling				
MW-3	03/01/06	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-3	08/10/06	<0.010	<0.010	<0.010	<0.020	<0.020
MW-3	04/02/07	**0.369**	0.0131	0.0012	0.0616	0.4449
MW-3	06/13/07	Not Scheduled for sampling				
MW-3	09/13/07	**18.43**	**0.9471**	0.2083	**2.939**	22.524
MW-3	12/03/07	**3.898**	<0.0200	<0.0100	0.2633	4.161
MW-3	03/13/08	**10.3**	<0.100	0.157	**0.895**	11.352
MW-3	06/18/08	**11.6**	<0.0500	0.196	0.177	11.973
MW-3	09/26/08	**9.13**	0.152	<0.100	0.234	11.973
MW-3	12/02/08	**12.1**	0.189	0.207	0.456	12.952
MW-3	02/05/09	**16.7**	<0.100	0.196	<0.100	16.896
MW-3	05/19/09	**20.7**	<0.100	<0.100	<0.100	20.700
MW-3	08/27/09	**16.0**	<0.100	<0.100	**1.97**	17.970
MW-3	12/14/09	**19.1**	<0.100	0.156	<0.100	19.256
MW-3	02/25/10	**18.8**	<0.100	0.411	0.472	19.683
MW-3	06/17/10	**23.5**	<0.100	0.449	0.451	24.400
MW-3	09/17/10	**21.0**	<0.100	0.574	0.166	21.7
MW-3	12/16/10	**21.1**	<0.100	**0.874**	**0.822**	22.796
MW-4	01/24/02	Well installed 01/24/2002				
MW-4	01/24/02	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-4	03/01/02	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-4	10/04/02	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-4	12/11/02	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-4	02/20/03	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-4	02/11/04	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-4	08/16/04		0.00125			
MW-4	12/15/04	Not Scheduled for sampling				
MW-4	03/31/05	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-4	05/12/05	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-4	08/22/05	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-4	11/14/05	Not Scheduled for sampling				

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. #AP-0029
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.050.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-4	03/01/06	0.00102	<0.00100	<0.00100	<0.00200	<0.00200
MW-4	08/10/06	0.0371	0.005	0.001	0.0141	
MW-4	04/02/07	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-4	06/13/07	Not Scheduled for sampling				
MW-4	09/13/07	0.0018	<0.00100	<0.00100	<0.00200	0.0018
MW-4	12/03/07	0.0082	<0.00100	<0.00100	<0.00200	0.0082
MW-4	03/13/08	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-4	06/18/08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	09/26/08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	12/02/08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	02/05/09	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	05/19/09	Not sampled in 2nd Quarter				
MW-4	08/27/09	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	12/14/09	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	02/25/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	06/17/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	09/17/10	Not Enough Water for Sample Collection				
MW-4	12/16/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	07/28/04	Well installed 07/28/2004				
MW-5	08/16/04	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	12/15/04	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	03/31/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	05/12/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	08/22/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	11/14/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	03/01/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	05/25/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	08/10/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	11/29/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	04/02/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	06/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	09/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	12/03/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	03/13/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	06/18/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. #AP-0029
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.050.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-5	09/29/08	**27.8**	**21.6**	**4.94**	**11.7**	**66.0**
MW-5	12/02/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	02/05/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	05/19/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	08/27/09	Not Enough Water to Collect a Sample				
MW-5	12/14/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	02/25/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	06/17/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	09/17/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	12/16/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	12/08/04	Well installed 12/08/2004				
MW-6	12/15/04	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	03/31/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	05/12/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	08/22/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	11/14/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	03/01/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	05/25/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	08/10/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	11/29/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	04/02/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	06/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	09/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	12/03/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	03/13/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	06/18/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	09/29/08	**16.9**	**7.88**	**1.39**	**3.36**	29.5
MW-6	12/02/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	02/05/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	05/19/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	08/27/09	**17.8**	**10.9**	**1.79**	**4.32**	34.810
MW-6	12/14/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	02/25/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	06/17/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	09/17/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. #AP-0029
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.050.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-6	12/16/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	07/28/04	Well installed 07/28/2004				
MW-7	08/16/04	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	12/15/04	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	03/31/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	05/12/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	08/22/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	11/14/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	03/01/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	05/25/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	08/10/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	11/29/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	04/02/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	06/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	09/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	12/03/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	03/13/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	06/18/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	09/29/08	15.9	10.3	1.56	3.65	31.4
MW-7	12/02/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	02/05/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	05/19/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	08/27/09	15.3	11.6	2.19	5.29	34.38
MW-7	12/14/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	02/25/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	06/17/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	09/17/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	12/16/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	07/30/04	Well installed 07/30/2004				
MW-8	08/16/04	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	12/15/04	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	03/31/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	05/12/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	08/22/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. #AP-0029
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.050.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-8	11/14/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	03/01/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	05/25/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	08/10/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	11/29/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	04/02/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	06/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	09/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	12/03/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	03/13/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	06/18/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	09/26/08	17.8	13.6	2.54	6.00	39.9
MW-8	12/02/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	02/05/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	05/19/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	08/27/09	17.2	11.3	2.17	4.98	35.65
MW-8	12/14/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	02/25/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	06/17/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	09/17/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	12/16/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	07/30/04	Well installed 07/30/2004				
MW-9	08/16/04	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	12/15/04	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	03/31/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	05/12/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	08/22/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	11/14/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	03/01/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	05/25/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	08/10/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	11/29/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	04/02/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	06/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	09/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. #AP-0029
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.050.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-9	12/03/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	03/13/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	06/18/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	09/29/08	11.1	5.56	0.928	2.29	19.9
MW-9	12/02/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	02/05/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	05/19/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	08/27/09	17.1	9.38	1.78	4.35	32.61
MW-9	12/14/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	02/25/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	06/17/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	09/17/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	12/16/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-10	12/07/04	Well installed 12/07/2004				
MW-10	12/15/04	0.00436	0.00901	0.00193	0.00525	0.02055
MW-10	03/31/05	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-10	05/12/05	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-10	08/22/05	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-10	11/14/05	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-10	03/01/06	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-10	05/25/06	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-10	08/10/06	<0.00100	0.00387	0.0018	0.00635	0.01202
MW-10	11/29/06	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-10	04/02/07	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-10	06/13/07	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-10	09/13/07	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
MW-10	12/03/07	0.0032	<0.00100	<0.00100	<0.00100	0.0032
MW-10	03/13/08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	06/18/08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	09/26/08	0.00390	<0.00100	<0.00100	<0.00100	0.0049
MW-10	12/02/08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	02/05/09	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	05/19/09	0.00690	<0.00100	<0.00100	<0.00100	0.0069
MW-10	08/27/09	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	12/14/09	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. #AP-0029
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.050.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-10	02/25/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	06/17/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	09/17/10	0.0155	<0.00100	<0.00100	<0.00100	0.0155
MW-10	12/16/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	12/07/04	Well installed 12/07/2004				
MW-11	12/15/04	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	03/31/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	05/12/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	08/22/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	11/14/05	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	03/01/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	05/25/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	08/10/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	11/29/06	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	04/02/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	06/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	09/13/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	12/03/07	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	03/13/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	06/18/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	09/26/08	Not Enough Water to Collect a Sample				
MW-11	12/02/08	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	02/05/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	05/19/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	08/27/09	Not Enough Water to Collect a Sample				
MW-11	12/14/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	02/25/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	06/17/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	09/17/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-11	12/16/10	Not Sampled Due to Presence of Phase Separated Hydrocarbons				
MW-12		Well Installed 3/11/09				
MW-12	05/19/09	**4.56**	<0.0200	<0.0200	0.271	4.831
MW-12	08/27/09	**5.28**	<0.0200	<0.0200	0.457	5.737
MW-12	12/14/10	**5.82**	<0.0200	<0.0200	<0.0200	5.820

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. #AP-0029
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.050.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylene	Total BTEX
MW-12	02/25/10	**7.52**	<0.0200	<0.0200	0.141	7.661
MW-12	06/17/10	**13.3**	<0.100	<0.100	<0.100	13.300
MW-12	09/17/10	**9.830**	<0.100	<0.100	<0.100	9.830
MW-12	12/16/10	**11.4**	<0.100	<0.100	**0.7820**	12.180
MW-13		Well Installed 3/11/09				
MW-13	05/19/09	**0.0198**	<0.00100	<0.00100	<0.00100	0.0198
MW-13	08/27/09	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-13	12/14/09	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-13	02/25/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-13	06/17/10	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-13	09/17/10	0.0104	<0.00100	<0.00100	<0.00100	0.0104
MW-13	12/16/10	0.0038	<0.00100	<0.00100	<0.00100	0.0038
MW-14		Well Installed 3/11/09				
MW-15		Well Installed 3/11/09				
NMWQCC Remedial Limits		0.010	0.750	0.750	0.620	NA

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

Analyzed by EPA Method 8021B

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBON (PAH)
PLAINS PIPELINE, L.P.
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO - SRS# 2000-10757
Talon/LPE Project Number 700376.050.01

All concentrations are in mg/L

Sample Location	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[g,h,i]-perylene	Benzo[k]-fluoranthene	Chrysene	Dibenz[a,h]-anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno[1,2,3-cd]-pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Total Naphthalenes	Phenanthrene	Pyrene
MW-1	08/22/05	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	NA	<0.00005	<0.00005	<0.00005	NA	NA	<0.00005	<0.00005	<0.00005	<0.00005
	03/01/06	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	NA	<0.00005	<0.00005	<0.00005	NA	NA	<0.00005	<0.00005	<0.00005	<0.00005
	04/02/07	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	NA	NA	<0.005	<0.005	<0.005	<0.005
MW-3	08/22/05	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	NA	<0.00005	<0.00005	<0.00005	NA	NA	<0.00005	<0.00005	<0.00005	<0.00005
	03/01/06	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	NA	<0.00005	<0.00005	<0.00005	NA	NA	<0.00005	<0.00005	<0.00005	<0.00005
	04/02/07	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	NA	NA	<0.005	<0.005	<0.005	<0.005
	09/26/08	<0.00200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	0.00151	<0.000200	0.00119	<0.000200	0.0283	0.0127	**0.0498**	**0.0908**	0.000940	<0.000200
	08/27/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.00153	<0.000183	0.00172	<0.000183	0.0308	0.00505	**0.0440**	**0.0799**	0.00135	<0.000183
v	01/03/11	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	0.00132	<0.000195	0.00142	<0.000195	0.0203	<0.000195	**0.0225**	**0.0428**	0.00124	<0.000195
MW-4	08/22/05	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	NA	<0.00005	<0.00005	<0.00005	NA	NA	<0.00005	<0.00005	<0.00005	<0.00005
	03/01/06	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	NA	<0.00005	<0.00005	<0.00005	NA	NA	<0.00005	<0.00005	<0.00005	<0.00005
	04/02/07	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	NA	NA	<0.005	<0.005	<0.005	<0.005
	09/26/08	<0.00200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	0.000236	0.000247	0.000483	<0.000200	<0.000200
	08/27/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000315	0.000322	0.000282	0.000919	<0.000184	<0.000184
MW-10	08/22/05	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	NA	<0.00005	<0.00005	<0.00005	NA	NA	<0.00005	<0.00005	<0.00005	<0.00005
	03/01/06	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	NA	<0.00005	<0.00005	<0.00005	NA	NA	<0.00005	<0.00005	<0.00005	<0.00005
	04/02/07	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	NA	NA	<0.005	<0.005	<0.005	<0.005
	09/26/08	<0.00200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
	08/27/09	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187
NMWQCC Remedial Limits						0.007													0.030		

[1] ***Bolded*** *values are in excess of the NMWQCC Remediation Thresholds*
Analyzed by EPA Method 8270C

APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation

Summary Report

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

Report Date: March 2, 2010

Work Order: 10022634

Project Location: Hobbs, NM
Project Name: Kimbrough
Project Number: 700376.050.01
SRS #: 2000-10757

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
223832	MW-3	water	2010-02-25	20:05	2010-02-26
223833	MW-4	water	2010-02-25	20:26	2010-02-26
223834	MW-10	water	2010-02-25	20:40	2010-02-26
223835	MW-12	water	2010-02-25	20:00	2010-02-26
223836	MW-13	water	2010-02-25	20:10	2010-02-26

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
223832 - MW-3	**18.8**	<0.100	**0.411**	**0.472**
223833 - MW-4	<0.00100	<0.00100	<0.00100	<0.00100
223834 - MW-10	<0.00100	<0.00100	<0.00100	<0.00100
223835 - MW-12	**7.52**	<0.0200	<0.0200	**0.141**
223836 - MW-13	<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: March 2, 2010

Work Order: 10022634

Project Location: Hobbs, NM
Project Name: Kimbrough
Project Number: 700376.050.01
SRS #: 2000-10757

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
223832	MW-3	water	2010-02-25	20:05	2010-02-26
223833	MW-4	water	2010-02-25	20:26	2010-02-26
223834	MW-10	water	2010-02-25	20:40	2010-02-26
223835	MW-12	water	2010-02-25	20:00	2010-02-26
223836	MW-13	water	2010-02-25	20:10	2010-02-26

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 8 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 Kimbrough were received by TraceAnalysis, Inc. on 2010-02-26 and assigned to work order 10022634. Samples for work order 10022634 were received intact without headspace and at a temperature of 3.8 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	58101	2010-03-01 at 15:45	67911	2010-03-01 at 17:11

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 10022634 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: 223832 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67911	Date Analyzed:	2010-03-01	Analyzed By:	AG
Prep Batch:	58101	Sample Preparation:	2010-03-01	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**18.8**	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		**0.411**	mg/L	100	0.00100
Xylene		**0.472**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.01	mg/L	100	10.0	90	65.9 - 129.8
4-Bromofluorobenzene (4-BFB)		8.33	mg/L	100	10.0	83	51.1 - 118.8

Sample: 223833 - MW-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67911	Date Analyzed:	2010-03-01	Analyzed By:	AG
Prep Batch:	58101	Sample Preparation:	2010-03-01	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)		0.0951	mg/L	1	0.100	95	65.9 - 129.8
4-Bromofluorobenzene (4-BFB)		0.0897	mg/L	1	0.100	90	51.1 - 118.8

Sample: 223834 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67911	Date Analyzed:	2010-03-01	Analyzed By:	AG
Prep Batch:	58101	Sample Preparation:	2010-03-01	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)		0.0983	mg/L	1	0.100	98	65.9 - 129.8
4-Bromofluorobenzene (4-BFB)		0.0936	mg/L	1	0.100	94	51.1 - 118.8

Sample: 223835 - MW-12

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67911	Date Analyzed:	2010-03-01	Analyzed By:	AG
Prep Batch:	58101	Sample Preparation:	2010-03-01	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**7.52**	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		<0.0200	mg/L	20	0.00100
Xylene		**0.141**	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.75	mg/L	20	2.00	88	65.9 - 129.8
4-Bromofluorobenzene (4-BFB)		1.76	mg/L	20	2.00	88	51.1 - 118.8

Sample: 223836 - MW-13

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67911	Date Analyzed:	2010-03-01	Analyzed By:	AG
Prep Batch:	58101	Sample Preparation:	2010-03-01	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)		0.100	mg/L	1	0.100	100	65.9 - 129.8
4-Bromofluorobenzene (4-BFB)		0.0955	mg/L	1	0.100	96	51.1 - 118.8

Method Blank (1) QC Batch: 67911

QC Batch: 67911 Date Analyzed: 2010-03-01 Analyzed By: AG
Prep Batch: 58101 QC Preparation: 2010-03-01 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)		0.0991	mg/L	1	0.100	99	73.6 - 126.6
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	62.6 - 117.5

Laboratory Control Spike (LCS-1)

QC Batch: 67911 Date Analyzed: 2010-03-01 Analyzed By: AG
Prep Batch: 58101 QC Preparation: 2010-03-01 Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0949	mg/L	1	0.100	<0.000300	95	79.4 - 112.4
Toluene	0.0942	mg/L	1	0.100	<0.000200	94	79.3 - 110
Ethylbenzene	0.0935	mg/L	1	0.100	<0.000200	94	73.8 - 113.1
Xylene	0.282	mg/L	1	0.300	<0.000900	94	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	0.0957	mg/L	1	0.100	<0.000300	96	79.4 - 112.4	1	20
Toluene	0.0954	mg/L	1	0.100	<0.000200	95	79.3 - 110	1	20
Ethylbenzene	0.0952	mg/L	1	0.100	<0.000200	95	73.8 - 113.1	2	20
Xylene	0.287	mg/L	1	0.300	<0.000900	96	73.9 - 113.6	2	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)	0.0954	0.0943	mg/L	1	0.100	95	94	76.2 - 129.6
4-Bromofluorobenzene (4-BFB)	0.112	0.111	mg/L	1	0.100	112	111	77.9 - 119.8

Matrix Spike (MS-1) Spiked Sample: 223853

QC Batch: 67911 Date Analyzed: 2010-03-01 Analyzed By: AG
Prep Batch: 58101 QC Preparation: 2010-03-01 Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	10.9	mg/L	50	5.00	5.9567	99	77.3 - 117.4
Toluene	6.30	mg/L	50	5.00	1.5038	96	75 - 111.8
Ethylbenzene	5.23	mg/L	50	5.00	0.5072	94	78.8 - 106.6
Xylene	14.6	mg/L	50	15.0	0.6358	93	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	10.6	mg/L	50	5.00	5.9567	93	77.3 - 117.4	3	20
Toluene	5.98	mg/L	50	5.00	1.5038	90	75 - 111.8	5	20
Ethylbenzene	4.79	mg/L	50	5.00	0.5072	86	78.8 - 106.6	9	20
Xylene	13.5	mg/L	50	15.0	0.6358	86	68.9 - 114	8	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)	4.41	4.27	mg/L	50	5	88	85	76.3 - 129.8
4-Bromofluorobenzene (4-BFB)	5.17	4.98	mg/L	50	5	103	100	75.2 - 112.8

Standard (CCV-1)

QC Batch: 67911 Date Analyzed: 2010-03-01 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	0.0875	88	80 - 120	2010-03-01
Toluene		mg/L	0.100	0.0857	86	80 - 120	2010-03-01
Ethylbenzene		mg/L	0.100	0.0823	82	80 - 120	2010-03-01
Xylene		mg/L	0.300	0.249	83	80 - 120	2010-03-01

Standard (CCV-2)

QC Batch: 67911 | Date Analyzed: 2010-03-01 | 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	0.0945	94	80 - 120	2010-03-01
Toluene		mg/L	0.100	0.0943	94	80 - 120	2010-03-01
Ethylbenzene		mg/L	0.100	0.0941	94	80 - 120	2010-03-01
Xylene		mg/L	0.300	0.283	94	80 - 120	2010-03-01

Standard (CCV-3)

QC Batch: 67911 | Date Analyzed: 2010-03-01 | 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	2010-03-01
Toluene		mg/L	0.100	0.0944	94	80 - 120	2010-03-01
Ethylbenzene		mg/L	0.100	0.0932	93	80 - 120	2010-03-01
Xylene		mg/L	0.300	0.281	94	80 - 120	2010-03-01

LAB Order ID # 100022634

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 SRS# 2000-10757 Jason Henry
Project #: 700376.050.01
Project Name: Kimbrough
Project Location (including state): Hobbs, 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
223832	MW-3	3	VOA	X				X				X		2/25/10	2005
833	MW-4	3		X				X				X			2026
834	MW-10	3		X				X				X			2040
835	MW-12	3		X				X				X			2000
836	MW-13	3		X				X				X			2010

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	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
223832		X																								
833		X																								
834		X																								
835		X																								
836		X																								

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	Talon/LPE	2/26/10	0800	SK Killingsworth	Talon	2/26/10	0800	INST ___ OBS ___ °C COR ___ °C
SK Killingsworth	Talon	2/26/10	1555		Trace	2/26/10	15:55	INST ___ OBS 3.8 °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 # Carry IN

ORIGINAL COPY

Summary Report

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

Report Date: June 25, 2010

Work Order: 10061815

Project Location: Hobbs, NM
Project Name: Kimbrough
Project Number: 700376.050.01
SRS #: 2000-10757

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
235103	MW-3	water	2010-06-17	09:15	2010-06-18
235104	MW-4	water	2010-06-17	09:35	2010-06-18
235105	MW-10	water	2010-06-17	09:50	2010-06-18
235106	MW-12	water	2010-06-17	09:05	2010-06-18
235107	MW-13	water	2010-06-17	09:09	2010-06-18

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
235103 - MW-3	**23.5**	<0.100	**0.449**	**0.451**
235104 - MW-4	<0.00100	<0.00100	<0.00100	<0.00100
235105 - MW-10	<0.00100	<0.00100	<0.00100	<0.00100
235106 - MW-12	**13.3**	<0.100	<0.100	<0.100
235107 - MW-13	<0.00100	<0.00100	<0.00100	<0.00100

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: 10061815

Project Location: Hobbs, NM
Project Name: Kimbrough
Project Number: 700376.050.01
SRS #: 2000-10757

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
235103	MW-3	water	2010-06-17	09:15	2010-06-18
235104	MW-4	water	2010-06-17	09:35	2010-06-18
235105	MW-10	water	2010-06-17	09:50	2010-06-18
235106	MW-12	water	2010-06-17	09:05	2010-06-18
235107	MW-13	water	2010-06-17	09:09	2010-06-18

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 Kimbrough were received by TraceAnalysis, Inc. on 2010-06-18 and assigned to work order 10061815. Samples for work order 10061815 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	60864	2010-06-21 at 09:00	71053	2010-06-21 at 12:09
BTEX	S 8021B	60893	2010-06-22 at 12:00	71082	2010-06-22 at 14:15

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 10061815 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: 235103 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71053	Date Analyzed:	2010-06-21	Analyzed By:	AG
Prep Batch:	60864	Sample Preparation:	2010-06-21	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		**23.5**		mg/L	100	0.00100
Toluene		<0.100		mg/L	100	0.00100
Ethylbenzene		**0.449**		mg/L	100	0.00100
Xylene		**0.451**		mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.8	mg/L	100	10.0	108	67.8 - 126
4-Bromofluorobenzene (4-BFB)		9.50	mg/L	100	10.0	95	51.1 - 128

Sample: 235104 - MW-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71053	Date Analyzed:	2010-06-21	Analyzed By:	AG
Prep Batch:	60864	Sample Preparation:	2010-06-21	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)		0.109	mg/L	1	0.100	109	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0971	mg/L	1	0.100	97	51.1 - 128

Sample: 235105 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71053	Date Analyzed:	2010-06-21	Analyzed By:	AG
Prep Batch:	60864	Sample Preparation:	2010-06-21	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)		0.103	mg/L	1	0.100	103	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0880	mg/L	1	0.100	88	51.1 - 128

Sample: 235106 - MW-12

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71082	Date Analyzed:	2010-06-22	Analyzed By:	AG
Prep Batch:	60893	Sample Preparation:	2010-06-22	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**13.3**	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		<0.100	mg/L	100	0.00100
Xylene		<0.100	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		11.0	mg/L	100	10.0	110	67.8 - 126
4-Bromofluorobenzene (4-BFB)		8.91	mg/L	100	10.0	89	51.1 - 128

Sample: 235107 - MW-13

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71053	Date Analyzed:	2010-06-21	Analyzed By:	AG
Prep Batch:	60864	Sample Preparation:	2010-06-21	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)		0.105	mg/L	1	0.100	105	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0896	mg/L	1	0.100	90	51.1 - 128

Method Blank (1) QC Batch: 71053

QC Batch: 71053 Date Analyzed: 2010-06-21 Analyzed By: AG
Prep Batch: 60864 QC Preparation: 2010-06-21 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)		0.108	mg/L	1	0.100	108	70.2 - 118
4-Bromofluorobenzene (4-BFB)		0.0948	mg/L	1	0.100	95	47.3 - 116

Method Blank (1) QC Batch: 71082

QC Batch: 71082 Date Analyzed: 2010-06-22 Analyzed By: AG
Prep Batch: 60893 QC Preparation: 2010-06-22 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)		0.111	mg/L	1	0.100	111	70.2 - 118
4-Bromofluorobenzene (4-BFB)		0.0928	mg/L	1	0.100	93	47.3 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 71053 Date Analyzed: 2010-06-21 Analyzed By: AG
Prep Batch: 60864 QC Preparation: 2010-06-21 Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.101	mg/L	1	0.100	<0.000600	101	82.9 - 108
Toluene	0.0971	mg/L	1	0.100	<0.000600	97	82.7 - 107
Ethylbenzene	0.0924	mg/L	1	0.100	<0.000800	92	78.8 - 106
Xylene	0.279	mg/L	1	0.300	<0.000767	93	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	0.0959	mg/L	1	0.100	<0.000600	96	82.9 - 108	5	20
Toluene	0.0950	mg/L	1	0.100	<0.000600	95	82.7 - 107	2	20
Ethylbenzene	0.0915	mg/L	1	0.100	<0.000800	92	78.8 - 106	1	20
Xylene	0.275	mg/L	1	0.300	<0.000767	92	79.3 - 106	1	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)	0.0986	0.103	mg/L	1	0.100	99	103	67.3 - 113
4-Bromofluorobenzene (4-BFB)	0.0950	0.0991	mg/L	1	0.100	95	99	68.2 - 124

Laboratory Control Spike (LCS-1)

QC Batch: 71082 | Date Analyzed: 2010-06-22 | Analyzed By: AG
Prep Batch: 60893 | QC Preparation: 2010-06-22 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0985	mg/L	1	0.100	<0.000600	98	82.9 - 108
Toluene	0.0970	mg/L	1	0.100	<0.000600	97	82.7 - 107
Ethylbenzene	0.0923	mg/L	1	0.100	<0.000800	92	78.8 - 106
Xylene	0.278	mg/L	1	0.300	<0.000767	93	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	0.100	mg/L	1	0.100	<0.000600	100	82.9 - 108	2	20
Toluene	0.0997	mg/L	1	0.100	<0.000600	100	82.7 - 107	3	20
Ethylbenzene	0.0962	mg/L	1	0.100	<0.000800	96	78.8 - 106	4	20
Xylene	0.290	mg/L	1	0.300	<0.000767	97	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)	0.102	0.110	mg/L	1	0.100	102	110	67.3 - 113

continued ...

control spikes continued ...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	0.0952	0.102	mg/L	1	0.100	95	102	68.2 - 124

Matrix Spike (MS-1) Spiked Sample: 235103

QC Batch: 71053 | Date Analyzed: 2010-06-21 | Analyzed By: AG
Prep Batch: 60864 | QC Preparation: 2010-06-21 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	34.5	mg/L	100	10.0	23.4789	110	77.9 - 114
Toluene	9.86	mg/L	100	10.0	<0.0600	99	78.3 - 111
Ethylbenzene	9.73	mg/L	100	10.0	0.449	93	75.3 - 110
Xylene	28.2	mg/L	100	30.0	0.4514	92	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 [1]	35.1	mg/L	100	10.0	23.4789	116	77.9 - 114	2	20
Toluene	9.74	mg/L	100	10.0	<0.0600	97	78.3 - 111	1	20
Ethylbenzene	9.83	mg/L	100	10.0	0.449	94	75.3 - 110	1	20
Xylene	28.4	mg/L	100	30.0	0.4514	93	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)	10.6	10.5	mg/L	100	10	106	105	68.3 - 107
4-Bromofluorobenzene (4-BFB)	10.2	10.2	mg/L	100	10	102	102	60.1 - 135

Matrix Spike (MS-1) Spiked Sample: 235106

QC Batch: 71082 | Date Analyzed: 2010-06-22 | Analyzed By: AG
Prep Batch: 60893 | QC Preparation: 2010-06-22 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	23.9	mg/L	100	10.0	13.3139	106	77.9 - 114
Toluene	9.59	mg/L	100	10.0	<0.0600	96	78.3 - 111
Ethylbenzene	9.26	mg/L	100	10.0	<0.0800	93	75.3 - 110
Xylene	28.0	mg/L	100	30.0	<0.0767	93	75.7 - 109

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

[1] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	23.6	mg/L	100	10.0	13.3139	103	77.9 - 114	1	20
Toluene	9.46	mg/L	100	10.0	<0.0600	95	78.3 - 111	1	20
Ethylbenzene	9.15	mg/L	100	10.0	<0.0800	92	75.3 - 110	1	20
Xylene	27.6	mg/L	100	30.0	<0.0767	92	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)	10.6	10.3	mg/L	100	10	106	103	68.3 - 107
4-Bromofluorobenzene (4-BFB)	9.94	9.58	mg/L	100	10	99	96	60.1 - 135

Standard (CCV-1)

QC Batch: 71053 Date Analyzed: 2010-06-21 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	0.0958	96	80 - 120	2010-06-21
Toluene		mg/L	0.100	0.0940	94	80 - 120	2010-06-21
Ethylbenzene		mg/L	0.100	0.0887	89	80 - 120	2010-06-21
Xylene		mg/L	0.300	0.268	89	80 - 120	2010-06-21

Standard (CCV-2)

QC Batch: 71053 Date Analyzed: 2010-06-21 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	0.0998	100	80 - 120	2010-06-21
Toluene		mg/L	0.100	0.0993	99	80 - 120	2010-06-21
Ethylbenzene		mg/L	0.100	0.0944	94	80 - 120	2010-06-21
Xylene		mg/L	0.300	0.284	95	80 - 120	2010-06-21

Standard (CCV-1)

QC Batch: 71082 Date Analyzed: 2010-06-22 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	0.0977	98	80 - 120	2010-06-22

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/L	0.100	0.0959	96	80 - 120	2010-06-22
Ethylbenzene		mg/L	0.100	0.0924	92	80 - 120	2010-06-22
Xylene		mg/L	0.300	0.278	93	80 - 120	2010-06-22

Standard (CCV-2)

QC Batch: 71082 Date Analyzed: 2010-06-22 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	0.100	100	80 - 120	2010-06-22
Toluene		mg/L	0.100	0.0981	98	80 - 120	2010-06-22
Ethylbenzene		mg/L	0.100	0.0939	94	80 - 120	2010-06-22
Xylene		mg/L	0.300	0.283	94	80 - 120	2010-06-22

LAB Order ID # 100618 15

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	SRS# 2000-10757
Project #: 700376.050.01	Project Name: Kimbrough
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
205103	MW-3	3	VOA	X				X				X		6/17/10	0915
104	MW-4	3	VOA	X				X				X		6/17/10	0935
105	MW-10	3	VOA	X				X				X		6/17/10	0950
106	MW-11	3	VOA	X				X				X		6/17/10	0905
107	MW-12	3	VOA	X				X				X		6/17/10	0909

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, SO4, NO3, NO2, Alkalinity		
Na, Ca, Mg, K, TDS, EC		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	Talon/LPE				TALON	6/18/10	0700	INST ____ °C
								OBS ____ °C
								COR ____ °C
	TALON	6/18/10	1030		Trace	6/18/10	10:30	INST ____ °C
								OBS 3.9 °C
								COR ____ °C
								INST ____ °C
								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 # Carrie

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

ORIGINAL COPY

Summary Report

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

Report Date: September 27, 2010

Work Order: 10091726

Project Location: Hobbs, NM
Project Name: Kimbrough
Project Number: 700376.050.01
SRS #: 2000-10757

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
245103	MW 3	water	2010-09-17	11:10	2010-09-17
245104	MW 10	water	2010-09-17	12:00	2010-09-17
245105	MW 12	water	2010-09-17	11:30	2010-09-17
245106	MW 13	water	2010-09-17	11:45	2010-09-17

Sample: 245103 - MW 3

Param	Flag	Result	Units	RL
Benzene		**21.0**	mg/L	0.00100
Toluene		<0.100	mg/L	0.00100
Ethylbenzene		**0.574**	mg/L	0.00100
Xylene		**0.166**	mg/L	0.00100
Total BTEX		**21.7**	mg/L	0.00600

Sample: 245104 - MW 10

Param	Flag	Result	Units	RL
Benzene		**0.0155**	mg/L	0.00100
Toluene		<0.00100	mg/L	0.00100
Ethylbenzene		<0.00100	mg/L	0.00100
Xylene		<0.00100	mg/L	0.00100
Total BTEX		**0.0155**	mg/L	0.00600

Sample: 245105 - MW 12

Param	Flag	Result	Units	RL
Benzene		**9.83**	mg/L	0.00100
Toluene		<0.100	mg/L	0.00100
Ethylbenzene		<0.100	mg/L	0.00100
Xylene		<0.100	mg/L	0.00100
Total BTEX		**9.83**	mg/L	0.00600

Sample: 245106 - MW 13

Param	Flag	Result	Units	RL
Benzene		**0.0104**	mg/L	0.00100
Toluene		<0.00100	mg/L	0.00100
Ethylbenzene		<0.00100	mg/L	0.00100
Xylene		<0.00100	mg/L	0.00100
Total BTEX		**0.0104**	mg/L	0.00600

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1296
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: September 27, 2010

Work Order: 10091726

Project Location: Hobbs, NM
Project Name: Kimbrough
Project Number: 700376.050.01
SRS #: 2000-10757

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
245103	MW 3	water	2010-09-17	11:10	2010-09-17
245104	MW 10	water	2010-09-17	12:00	2010-09-17
245105	MW 12	water	2010-09-17	11:30	2010-09-17
245106	MW 13	water	2010-09-17	11:45	2010-09-17

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.

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 Kimbrough were received by TraceAnalysis, Inc. on 2010-09-17 and assigned to work order 10091726. Samples for work order 10091726 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	63306	2010-09-23 at 09:30	73821	2010-09-24 at 08:32
Total BTEX	S 8021B	63306	2010-09-23 at 09:30	73821	2010-09-24 at 08:32

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 10091726 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: 245103 - MW 3

Laboratory:	Midland				
Analysis:	BTEX, Total BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	73821	Date Analyzed:	2010-09-24	Analyzed By:	AG
Prep Batch:	63306	Sample Preparation:	2010-09-23	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**21.0**	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		**0.574**	mg/L	100	0.00100
Xylene		**0.166**	mg/L	100	0.00100
Total BTEX		**21.7**	mg/L	1	0.00600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.35	mg/L	100	10.0	94	67.8 - 126
4-Bromofluorobenzene (4-BFB)		8.95	mg/L	100	10.0	90	51.1 - 128

Sample: 245104 - MW 10

Laboratory:	Midland				
Analysis:	BTEX, Total BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	73821	Date Analyzed:	2010-09-24	Analyzed By:	AG
Prep Batch:	63306	Sample Preparation:	2010-09-23	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0155**	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
Total BTEX		**0.0155**	mg/L	1	0.00600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0923	mg/L	1	0.100	92	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0896	mg/L	1	0.100	90	51.1 - 128

Sample: 245105 - MW 12

Laboratory:	Midland				
Analysis:	BTEX, Total BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	73821	Date Analyzed:	2010-09-24	Analyzed By:	AG
Prep Batch:	63306	Sample Preparation:	2010-09-23	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**9.83**	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		<0.100	mg/L	100	0.00100
Xylene		<0.100	mg/L	100	0.00100
Total BTEX		**9.83**	mg/L	1	0.00600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		8.76	mg/L	100	10.0	88	67.8 - 126
4-Bromofluorobenzene (4-BFB)		8.54	mg/L	100	10.0	85	51.1 - 128

Sample: 245106 - MW 13

Laboratory:	Midland				
Analysis:	BTEX, Total BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	73821	Date Analyzed:	2010-09-24	Analyzed By:	AG
Prep Batch:	63306	Sample Preparation:	2010-09-23	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0104**	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
Total BTEX		**0.0104**	mg/L	1	0.00600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0916	mg/L	1	0.100	92	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0886	mg/L	1	0.100	89	51.1 - 128

Method Blank (1) QC Batch: 73821

QC Batch:	73821	Date Analyzed:	2010-09-24	Analyzed By:	AG
Prep Batch:	63306	QC Preparation:	2010-09-23	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)		0.0926	mg/L	1	0.100	93	70.2 - 118
4-Bromofluorobenzene (4-BFB)		0.0880	mg/L	1	0.100	88	47.3 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 73821 | Date Analyzed: 2010-09-24 | Analyzed By: AG
Prep Batch: 63306 | QC Preparation: 2010-09-23 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0906	mg/L	1	0.100	<0.000600	91	82.9 - 118
Toluene	0.0921	mg/L	1	0.100	<0.000600	92	82.7 - 117
Ethylbenzene	0.0932	mg/L	1	0.100	<0.000800	93	78.8 - 116
Xylene	0.280	mg/L	1	0.300	<0.000767	93	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	0.0915	mg/L	1	0.100	<0.000600	92	82.9 - 118	1	20
Toluene	0.0930	mg/L	1	0.100	<0.000600	93	82.7 - 117	1	20
Ethylbenzene	0.0943	mg/L	1	0.100	<0.000800	94	78.8 - 116	1	20
Xylene	0.283	mg/L	1	0.300	<0.000767	94	79.3 - 116	1	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)	0.0891	0.0905	mg/L	1	0.100	89	90	67.3 - 113
4-Bromofluorobenzene (4-BFB)	0.0878	0.0898	mg/L	1	0.100	88	90	68.2 - 134

Matrix Spike (MS-1) Spiked Sample: 245105

QC Batch: 73821 | Date Analyzed: 2010-09-24 | Analyzed By: AG
Prep Batch: 63306 | QC Preparation: 2010-09-23 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	18.9	mg/L	100	10.0	9.8285	91	77.9 - 114
Toluene	8.86	mg/L	100	10.0	<0.0600	89	78.3 - 111
Ethylbenzene	8.95	mg/L	100	10.0	<0.0800	90	75.3 - 110
Xylene	26.6	mg/L	100	30.0	<0.0767	89	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	19.2	mg/L	100	10.0	9.8285	94	77.9 - 114	2	20
Toluene	9.12	mg/L	100	10.0	<0.0600	91	78.3 - 111	3	20
Ethylbenzene	9.18	mg/L	100	10.0	<0.0800	92	75.3 - 110	2	20
Xylene	27.3	mg/L	100	30.0	<0.0767	91	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)	9.13	8.97	mg/L	100	10	91	90	68.3 - 107
4-Bromofluorobenzene (4-BFB)	8.61	8.79	mg/L	100	10	86	88	60.1 - 135

Standard (CCV-1)

QC Batch: 73821 Date Analyzed: 2010-09-24 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	0.0889	89	80 - 120	2010-09-24
Toluene		mg/L	0.100	0.0903	90	80 - 120	2010-09-24
Ethylbenzene		mg/L	0.100	0.0920	92	80 - 120	2010-09-24
Xylene		mg/L	0.300	0.274	91	80 - 120	2010-09-24

Standard (CCV-2)

QC Batch: 73821 Date Analyzed: 2010-09-24 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	0.0910	91	80 - 120	2010-09-24
Toluene		mg/L	0.100	0.0922	92	80 - 120	2010-09-24
Ethylbenzene		mg/L	0.100	0.0927	93	80 - 120	2010-09-24
Xylene		mg/L	0.300	0.276	92	80 - 120	2010-09-24

Standard (CCV-3)

QC Batch: 73821 | Date Analyzed: 2010-09-24 | 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	2010-09-24
Toluene		mg/L	0.100	0.0921	92	80 - 120	2010-09-24
Ethylbenzene		mg/L	0.100	0.0934	93	80 - 120	2010-09-24
Xylene		mg/L	0.300	0.277	92	80 - 120	2010-09-24

LAB Order ID # 10091726

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) 2401 State Hwy 349
Fax #:
Contact Person: Steve Killingsworth
E-mail: SKillingsworth@talonlpe.com
Invoice to: (If different from above)
Project #: 700376.050.01
Project Name: Kimbrough Sweet 8
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
94563	MW 3	3		X				X				X		9/17	1110
64	MW 10	3		↓				↓				↓		↓	1200
165	MW 12	3		↓				↓				↓		↓	1130
166	MW 13	3		↓				↓				↓		↓	1145

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:	
		9/17/10	15:43		Trace	9/17/10	15:43	INST OBS 21 °c COR °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:
All tests - Midland

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

Carrier #

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

ORIGINAL COPY

Summary Report

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

Report Date: December 22, 2010

Work Order: 10121731

Project Location: Hobbs, NM
Project Name: Kimbrough
Project Number: 700376.050.01
SRS #: 2000-10757

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
253698	MW 3	water	2010-12-16	16:05	2010-12-17
253699	MW 4	water	2010-12-16	15:40	2010-12-17
253700	MW 10	water	2010-12-16	15:23	2010-12-17
253701	MW 12	water	2010-12-16	16:00	2010-12-17
253702	MW 13	water	2010-12-16	15:07	2010-12-17

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
253698 - MW 3	**21.1**	**<0.100**	**0.874**	**0.822**
253699 - MW 4	<0.00100	<0.00100	<0.00100	<0.00100
253700 - MW 10	<0.00100	<0.00100	<0.00100	<0.00100
253701 - MW 12	**11.4**	<0.100	<0.100	**0.782**
253702 - MW 13	**0.00380**	<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 22, 2010

Work Order: 10121731

Project Location: Hobbs, NM
Project Name: Kimbrough
Project Number: 700376.050.01
SRS #: 2000-10757

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
253698	MW 3	water	2010-12-16	16:05	2010-12-17
253699	MW 4	water	2010-12-16	15:40	2010-12-17
253700	MW 10	water	2010-12-16	15:23	2010-12-17
253701	MW 12	water	2010-12-16	16:00	2010-12-17
253702	MW 13	water	2010-12-16	15:07	2010-12-17

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 8 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 Kimbrough were received by TraceAnalysis, Inc. on 2010-12-17 and assigned to work order 10121731. Samples for work order 10121731 were received intact without headspace and at a temperature of 3.2 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	65458	2010-12-20 at 09:03	76325	2010-12-20 at 09:03

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 10121731 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: 253698 - MW 3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76325	Date Analyzed:	2010-12-20	Analyzed By:	ME
Prep Batch:	65458	Sample Preparation:	2010-12-20	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		**21.1**		mg/L	100	0.00100
Toluene		<0.100		mg/L	100	0.00100
Ethylbenzene		**0.874**		mg/L	100	0.00100
Xylene		**0.822**		mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[1]	6.07	mg/L	100	10.0	61	67.8 - 126
4-Bromofluorobenzene (4-BFB)		6.47	mg/L	100	10.0	65	51.1 - 128

Sample: 253699 - MW 4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76325	Date Analyzed:	2010-12-20	Analyzed By:	ME
Prep Batch:	65458	Sample Preparation:	2010-12-20	Prepared By:	ME

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	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0918	mg/L	1	0.100	92	51.1 - 128

Sample: 253700 - MW 10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76325	Date Analyzed:	2010-12-20	Analyzed By:	ME
Prep Batch:	65458	Sample Preparation:	2010-12-20	Prepared By:	ME

[1] Surrogate out due to peak interference.

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)		0.0936	mg/L	1	0.100	94	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0967	mg/L	1	0.100	97	51.1 - 128

Sample: 253701 - MW 12

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76325	Date Analyzed:	2010-12-20	Analyzed By:	ME
Prep Batch:	65458	Sample Preparation:	2010-12-20	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**11.4**	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		<0.100	mg/L	100	0.00100
Xylene		**0.782**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		7.13	mg/L	100	10.0	71	67.8 - 126
4-Bromofluorobenzene (4-BFB)		7.60	mg/L	100	10.0	76	51.1 - 128

Sample: 253702 - MW 13

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76325	Date Analyzed:	2010-12-20	Analyzed By:	ME
Prep Batch:	65458	Sample Preparation:	2010-12-20	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00380**	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)		0.0846	mg/L	1	0.100	85	67.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0874	mg/L	1	0.100	87	51.1 - 128

Method Blank (1) QC Batch: 76325

QC Batch: 76325 Date Analyzed: 2010-12-20 Analyzed By: ME
Prep Batch: 65458 QC Preparation: 2010-12-20 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)		0.0815	mg/L	1	0.100	82	70.2 - 118
4-Bromofluorobenzene (4-BFB)		0.0857	mg/L	1	0.100	86	47.3 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 76325 Date Analyzed: 2010-12-20 Analyzed By: ME
Prep Batch: 65458 QC Preparation: 2010-12-20 Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0905	mg/L	1	0.100	<0.000600	90	82.9 - 118
Toluene	0.0901	mg/L	1	0.100	<0.000600	90	82.7 - 117
Ethylbenzene	0.0889	mg/L	1	0.100	<0.000800	89	78.8 - 116
Xylene	0.270	mg/L	1	0.300	<0.000767	90	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	0.0940	mg/L	1	0.100	<0.000600	94	82.9 - 118	4	20
Toluene	0.0932	mg/L	1	0.100	<0.000600	93	82.7 - 117	3	20
Ethylbenzene	0.0926	mg/L	1	0.100	<0.000800	93	78.8 - 116	4	20
Xylene	0.279	mg/L	1	0.300	<0.000767	93	79.3 - 116	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)	0.0848	0.0881	mg/L	1	0.100	85	88	67.3 - 113
4-Bromofluorobenzene (4-BFB)	0.0921	0.0958	mg/L	1	0.100	92	96	68.2 - 134

Matrix Spike (MS-1) Spiked Sample: 253703

QC Batch: 76325 | Date Analyzed: 2010-12-20 | Analyzed By: ME
Prep Batch: 65458 | QC Preparation: 2010-12-20 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.545	mg/L	5	0.500	0.0814	93	77.9 - 114
Toluene	0.463	mg/L	5	0.500	<0.00300	93	78.3 - 111
Ethylbenzene	0.458	mg/L	5	0.500	<0.00400	92	75.3 - 110
Xylene	1.39	mg/L	5	1.50	<0.00384	93	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	0.545	mg/L	5	0.500	0.0814	93	77.9 - 114	0	20
Toluene	0.463	mg/L	5	0.500	<0.00300	93	78.3 - 111	0	20
Ethylbenzene	0.459	mg/L	5	0.500	<0.00400	92	75.3 - 110	0	20
Xylene	1.39	mg/L	5	1.50	<0.00384	93	75.7 - 109	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)	0.391	0.392	mg/L	5	0.5	78	78	68.3 - 107
4-Bromofluorobenzene (4-BFB)	0.435	0.437	mg/L	5	0.5	87	87	60.1 - 135

Standard (CCV-2)

QC Batch: 76325 | Date Analyzed: 2010-12-20 | 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	0.0989	99	80 - 120	2010-12-20
Toluene		mg/L	0.100	0.0981	98	80 - 120	2010-12-20
Ethylbenzene		mg/L	0.100	0.0960	96	80 - 120	2010-12-20
Xylene		mg/L	0.300	0.291	97	80 - 120	2010-12-20

Standard (CCV-3)

QC Batch: 76325 | Date Analyzed: 2010-12-20 | 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	0.0911	91	80 - 120	2010-12-20
Toluene		mg/L	0.100	0.0893	89	80 - 120	2010-12-20
Ethylbenzene		mg/L	0.100	0.0877	88	80 - 120	2010-12-20
Xylene		mg/L	0.300	0.266	89	80 - 120	2010-12-20

LAB Order # 10121731

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 #:

Address: (Street, City, Zip) — Fax #:

Contact Person: Steve Killingsworth — E-mail:

Invoice to: (If different from above) Plains Pipeline 2000-10757

Project #: 700376.050.01 ~~2002-10250~~ — Project Name: Kimbrough

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
53698	MW 3	3		X				X				X		12/16/10	1605
(699	MW 4	↓		↓				↓				↓		↓	1540
700	MW 10														1523
701	MW 12														1600
702	MW 13	↓		↓				↓				↓		↓	1507

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:	
~~Ryan Long~~	~~Talon LPE~~	~~12-16-10~~	~~1700~~					INST ___ °C OBS ___ °C COR ___ °C
Ryan Long	Talon LPE	12-17-10	1548		Trace	12/17/10	15:48	INST ___ °C OBS 3.2 °C COR ___ °C
								INST ___ °C 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: January 10, 2011

Work Order: 11010503

Project Location: Hobbs, NM
Project Name: Kimbrough
Project Number: 700376.050.01
SRS #: 2000-10757

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
254676	MW3	water	2011-01-03	12:20	2011-01-03

Sample: 254676 - MW3

Param	Flag	Result	Units	RL
Naphthalene		**0.0225**	mg/L	0.000200
2-Methylnaphthalene		<0.000195	mg/L	0.000200
1-Methylnaphthalene		**0.0203**	mg/L	0.000200
Acenaphthylene		<0.000195	mg/L	0.000200
Acenaphthene		<0.000195	mg/L	0.000200
Dibenzofuran		**0.00132**	mg/L	0.000200
Fluorene		**0.00412**	mg/L	0.000200
Anthracene		<0.000195	mg/L	0.000200
Phenanthrene		**0.00124**	mg/L	0.000200
Fluoranthene		<0.000195	mg/L	0.000200
Pyrene		<0.000195	mg/L	0.000200
Benzo(a)anthracene		<0.000195	mg/L	0.000200
Chrysene		<0.000195	mg/L	0.000200
Benzo(b)fluoranthene		<0.000195	mg/L	0.000200
Benzo(k)fluoranthene		<0.000195	mg/L	0.000200
Benzo(a)pyrene		<0.000195	mg/L	0.000200
Indeno(1,2,3-cd)pyrene		<0.000195	mg/L	0.000200
Dibenzo(a,h)anthracene		<0.000195	mg/L	0.000200
Benzo(g,h,i)perylene		<0.000195	mg/L	0.000200

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: January 10, 2011

Work Order: 11010503

Project Location: Hobbs, NM
Project Name: Kimbrough
Project Number: 700376.050.01
SRS #: 2000-10757

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
254676	MW3	water	2011-01-03	12:20	2011-01-03

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 Kimbrough were received by TraceAnalysis, Inc. on 2011-01-03 and assigned to work order 11010503. Samples for work order 11010503 were received intact 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
PAH	S 8270D	65805	2011-01-06 at 15:00	76746	2011-01-07 at 11:11

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 11010503 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: 254676 - MW3

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270D	Prep Method:	S 3510C
QC Batch:	76746	Date Analyzed:	2011-01-07	Analyzed By:	MN
Prep Batch:	65805	Sample Preparation:	2011-01-06	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.0225**	mg/L	0.976	0.000200
2-Methylnaphthalene		<0.000195	mg/L	0.976	0.000200
1-Methylnaphthalene		**0.0203**	mg/L	0.976	0.000200
Acenaphthylene		<0.000195	mg/L	0.976	0.000200
Acenaphthene		<0.000195	mg/L	0.976	0.000200
Dibenzofuran		**0.00132**	mg/L	0.976	0.000200
Fluorene		**0.00412**	mg/L	0.976	0.000200
Anthracene		<0.000195	mg/L	0.976	0.000200
Phenanthrene		**0.00124**	mg/L	0.976	0.000200
Fluoranthene		<0.000195	mg/L	0.976	0.000200
Pyrene		<0.000195	mg/L	0.976	0.000200
Benzo(a)anthracene		<0.000195	mg/L	0.976	0.000200
Chrysene		<0.000195	mg/L	0.976	0.000200
Benzo(b)fluoranthene		<0.000195	mg/L	0.976	0.000200
Benzo(k)fluoranthene		<0.000195	mg/L	0.976	0.000200
Benzo(a)pyrene		<0.000195	mg/L	0.976	0.000200
Indeno(1,2,3-cd)pyrene		<0.000195	mg/L	0.976	0.000200
Dibenzo(a,h)anthracene		<0.000195	mg/L	0.976	0.000200
Benzo(g,h,i)perylene		<0.000195	mg/L	0.976	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0242	mg/L	0.976	0.0800	30	10 - 111
2-Fluorobiphenyl		0.0302	mg/L	0.976	0.0800	38	10 - 92.7
Terphenyl-d14		0.0394	mg/L	0.976	0.0800	49	35.9 - 107

Method Blank (1) QC Batch: 76746

QC Batch:	76746	Date Analyzed:	2011-01-07	Analyzed By:	MN
Prep Batch:	65805	QC Preparation:	2011-01-06	Prepared By:	MN

Parameter	Flag	MDL Result	Units	RL
Naphthalene		<0.0000784	mg/L	0.0002
2-Methylnaphthalene		<0.0000747	mg/L	0.0002

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
1-Methylnaphthalene		<0.0000575	mg/L	0.0002
Acenaphthylene		<0.0000963	mg/L	0.0002
Acenaphthene		<0.0000617	mg/L	0.0002
Dibenzofuran		<0.0000952	mg/L	0.0002
Fluorene		<0.000134	mg/L	0.0002
Anthracene		<0.000441	mg/L	0.0002
Phenanthrene		<0.000435	mg/L	0.0002
Fluoranthene		<0.000476	mg/L	0.0002
Pyrene		<0.000590	mg/L	0.0002
Benzo(a)anthracene		<0.000118	mg/L	0.0002
Chrysene		<0.0000766	mg/L	0.0002
Benzo(b)fluoranthene		<0.000146	mg/L	0.0002
Benzo(k)fluoranthene		<0.000141	mg/L	0.0002
Benzo(a)pyrene		<0.000132	mg/L	0.0002
Indeno(1,2,3-cd)pyrene		<0.0000702	mg/L	0.0002
Dibenzo(a,h)anthracene		<0.0000534	mg/L	0.0002
Benzo(g,h,i)perylene		<0.0000473	mg/L	0.0002

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0275	mg/L	1	0.0800	34	10 - 111
2-Fluorobiphenyl		0.0236	mg/L	1	0.0800	30	10 - 92.7
Terphenyl-d14		0.0389	mg/L	1	0.0800	49	35.9 - 107

Laboratory Control Spike (LCS-1)

QC Batch: 76746 | Date Analyzed: 2011-01-07 | Analyzed By: MN
Prep Batch: 65805 | QC Preparation: 2011-01-06 | Prepared By: MN

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene	0.0387	mg/L	1	0.0800	<0.0000784	48	32.2 - 80.3
2-Methylnaphthalene	0.0356	mg/L	1	0.0800	<0.0000747	44	34.8 - 87
1-Methylnaphthalene	0.0369	mg/L	1	0.0800	<0.0000575	46	36.9 - 89.6
Acenaphthylene	0.0511	mg/L	1	0.0800	<0.0000963	64	35 - 93.2
Acenaphthene	0.0500	mg/L	1	0.0800	<0.0000617	62	35.8 - 92.9
Dibenzofuran	0.0449	mg/L	1	0.0800	<0.0000952	56	35.3 - 85.1
Fluorene	0.0594	mg/L	1	0.0800	<0.000134	74	43.4 - 101
Anthracene	0.0510	mg/L	1	0.0800	<0.000441	64	44.8 - 92.4
Phenanthrene	0.0577	mg/L	1	0.0800	<0.000435	72	44 - 93.7
Fluoranthene	0.0683	mg/L	1	0.0800	<0.000476	85	52.7 - 104
Pyrene	0.0426	mg/L	1	0.0800	<0.000590	53	42.2 - 93.8

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzo(a)anthracene	0.0541	mg/L	1	0.0800	<0.000118	68	40.4 - 91.9
Chrysene	0.0575	mg/L	1	0.0800	<0.0000766	72	44.4 - 107
Benzo(b)fluoranthene	0.0386	mg/L	1	0.0800	<0.000146	48	34.8 - 105
Benzo(k)fluoranthene	0.0441	mg/L	1	0.0800	<0.000141	55	50.2 - 158
Benzo(a)pyrene	0.0452	mg/L	1	0.0800	<0.000132	56	51.3 - 151
Indeno(1,2,3-cd)pyrene	0.0441	mg/L	1	0.0800	<0.0000702	55	43.2 - 115
Dibenzo(a,h)anthracene	0.0565	mg/L	1	0.0800	<0.0000534	71	43.9 - 115
Benzo(g,h,i)perylene	0.0442	mg/L	1	0.0800	<0.0000473	55	45.1 - 115

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
Naphthalene	0.0377	mg/L	1	0.0800	<0.0000784	47	32.2 - 80.3	3	20
2-Methylnaphthalene	0.0352	mg/L	1	0.0800	<0.0000747	44	34.8 - 87	1	20
1-Methylnaphthalene	0.0357	mg/L	1	0.0800	<0.0000575	45	36.9 - 89.6	3	20
Acenaphthylene	0.0493	mg/L	1	0.0800	<0.0000963	62	35 - 93.2	4	20
Acenaphthene	0.0488	mg/L	1	0.0800	<0.0000617	61	35.8 - 92.9	2	20
Dibenzofuran	0.0432	mg/L	1	0.0800	<0.0000952	54	35.3 - 85.1	4	20
Fluorene	0.0571	mg/L	1	0.0800	<0.000134	71	43.4 - 101	4	20
Anthracene	0.0497	mg/L	1	0.0800	<0.000441	62	44.8 - 92.4	3	20
Phenanthrene	0.0559	mg/L	1	0.0800	<0.000435	70	44 - 93.7	3	20
Fluoranthene	0.0667	mg/L	1	0.0800	<0.000476	83	52.7 - 104	2	20
Pyrene	0.0419	mg/L	1	0.0800	<0.000590	52	42.2 - 93.8	2	20
Benzo(a)anthracene	0.0532	mg/L	1	0.0800	<0.000118	66	40.4 - 91.9	2	20
Chrysene	0.0576	mg/L	1	0.0800	<0.0000766	72	44.4 - 107	0	20
Benzo(b)fluoranthene	0.0393	mg/L	1	0.0800	<0.000146	49	34.8 - 105	2	20
Benzo(k)fluoranthene	0.0434	mg/L	1	0.0800	<0.000141	54	50.2 - 158	2	20
Benzo(a)pyrene	0.0458	mg/L	1	0.0800	<0.000132	57	51.3 - 151	1	20
Indeno(1,2,3-cd)pyrene	0.0428	mg/L	1	0.0800	<0.0000702	54	43.2 - 115	3	20
Dibenzo(a,h)anthracene	0.0551	mg/L	1	0.0800	<0.0000534	69	43.9 - 115	2	20
Benzo(g,h,i)perylene	0.0421	mg/L	1	0.0800	<0.0000473	53	45.1 - 115	5	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
Nitrobenzene-d5	0.0402	0.0400	mg/L	1	0.0800	50	50	10 - 111
2-Fluorobiphenyl	0.0408	0.0391	mg/L	1	0.0800	51	49	10 - 92.7
Terphenyl-d14	0.0479	0.0472	mg/L	1	0.0800	60	59	35.9 - 107

Standard (CCV-1)

QC Batch: 76746 | Date Analyzed: 2011-01-07 | Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		mg/L	60.0	52.5	88	80 - 120	2011-01-07
2-Methylnaphthalene		mg/L	60.0	53.0	88	80 - 120	2011-01-07
1-Methylnaphthalene		mg/L	60.0	51.6	86	80 - 120	2011-01-07
Acenaphthylene		mg/L	60.0	51.2	85	80 - 120	2011-01-07
Acenaphthene		mg/L	60.0	53.3	89	80 - 120	2011-01-07
Dibenzofuran		mg/L	60.0	57.2	95	80 - 120	2011-01-07
Fluorene		mg/L	60.0	58.6	98	80 - 120	2011-01-07
Anthracene		mg/L	60.0	49.1	82	80 - 120	2011-01-07
Phenanthrene		mg/L	60.0	53.2	89	80 - 120	2011-01-07
Fluoranthene		mg/L	60.0	51.2	85	80 - 120	2011-01-07
Pyrene		mg/L	60.0	56.4	94	80 - 120	2011-01-07
Benzo(a)anthracene		mg/L	60.0	54.7	91	80 - 120	2011-01-07
Chrysene		mg/L	60.0	48.3	80	80 - 120	2011-01-07
Benzo(b)fluoranthene		mg/L	60.0	57.6	96	80 - 120	2011-01-07
Benzo(k)fluoranthene		mg/L	60.0	48.8	81	80 - 120	2011-01-07
Benzo(a)pyrene		mg/L	60.0	55.0	92	80 - 120	2011-01-07
Indeno(1,2,3-cd)pyrene		mg/L	60.0	53.9	90	80 - 120	2011-01-07
Dibenzo(a,h)anthracene		mg/L	60.0	53.0	88	80 - 120	2011-01-07
Benzo(g,h,i)perylene		mg/L	60.0	55.8	93	80 - 120	2011-01-07

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5		67.3	mg/L	1	60.0	112	80 - 120
2-Fluorobiphenyl		53.4	mg/L	1	60.0	89	80 - 120
Terphenyl-d14		59.7	mg/L	1	60.0	100	80 - 120

LAB Order # 11010503

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 #:

Address: (Street, City, Zip)

Fax #:

Contact Person: Steve Killingsworth

E-mail:

Invoice to: (If different from above) 2000-10757 Plains

Project #: 700376.050.01

Project Name: Kimbrough Sweet 8"

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
254676	MW3	1		X								X		1-3-11	1220

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:	
Brad Ivy	Talon	1-3-11	1615	[signature]	TA	1-3-11	1615	INST ____ °C OBS ____ °C COR ____ °C
[signature]	TA	1-4-11	17:00	RMcCoy	TA	01/05/11	9:15	INST IR OBS 2.7 °C COR 2.6 °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

4°C

Log-In-Review ____

REMARKS:

All tests- Lubbock

- [ ] 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 # Lonestar 2K872865

ORIGINAL COPY

APPENDIX D

NMOCD C-141

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 March 17, 1999

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: **Plains Pipeline, L.P.**	Contact: **Camille Reynolds**
Address **P.O. Box 3119 Midland, Texas 79702**	Telephone No. **505.396.3341 (CJReynolds@paalp.com)**
Facility Name **Kimbrough Sweet #2000-10757**	Facility Type **8" Steel Pipeline**
Surface Owner: **State of New Mexico**	Mineral Owner / Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County:
G	**3**	**T18S**	**R37E**					**Lea**

Latitude: 32°46'48"N **Longitude:** 103°14'18"W

NATURE OF RELEASE

Type of Release **Crude Oil**	Volume of Release **60 bbls barrels**	Volume Recovered **22 bbls barrels**
Source of Release **8" Steel Pipeline**	Date and Hour of Occurrence **10/25/2000**	Date and Hour of Discovery **10/25/2000**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Donna Williams**	
By Whom? **Wayne Brunette**	Date and Hour **10-25-00@5:15PM**	
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*: The release was caused by internal corrosion. Approximately 60 barrels of crude oil was released and approximately 22 barrels recovered and reintroduced to the system. The leak was excavated and repaired and the line placed back in service.**

Describe Area Affected and Cleanup Action Taken.*
15,613 sqft 200' x 200': In 2001, the NMOCD approved a Soil and Groundwater Abatement Plan. Impacted soil down to 15'bgs was excavated, shredded, and treated. A 2-foot thick compacted clay barrier was installed in the bottom of the excavation and the treated soil used to bring to grade. 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: Camille Reynolds	Approved by District Supervisor:
E-mail Address: CJReynolds@paalp.com	Approval Date: / Expiration Date:
Title: District Environmental Supervisor	Conditions of Approval: / Attached ☐
Date: Phone: 505.396.3341	

* Attach Additional Sheets If Necessary

PLAINS ALL AMERICAN Site Information and Metrics	Incident Date: 10/25/2000	NMOCD Notified: 10-25-00@5:15PM
SITE: Kimbrough Sweet	Assigned Site Reference #: 2000-10757	
Company: Plains Pipeline, L.P.		
Street Address: P.O. Box 3119		
Mailing Address:		
City, State, Zip: Midland, Texas 79702		
Representative: Camille Reynolds		
Representative Telephone: 505.396.3341 (CJReynolds@paalp.com)		
Telephone:		
Fluid volume released (bbls): 60 bbls	Recovered (bbls): 22 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: Kimbrough Sweet		
Source of contamination: 8" Steel Pipeline		
Land Owner, i.e., BLM, ST, Fee, Other: State of New Mexico		
LSP Dimensions 200' x 200'		
LSP Area: 15,613 ft²		
Location of Reference Point (RP)		
Location distance and direction from RP		
Latitude: 32°46'48"N		
Longitude: 103°14'18"W		
Elevation above mean sea level: 3,720'amsl		
Feet from South Section Line		
Feet from West Section Line		
Location- Unit or ¼¼: SW¼ of the NE¼	Unit Letter: G	
Location- Section: 3		
Location- Township: T18S		
Location- Range: R37E		
Surface water body within 1000 ' radius of site: none		
Domestic water wells within 1000' radius of site: none		
Agricultural water wells within 1000' radius of site: none		
Public water supply wells within 1000' radius of site: none		
Depth from land surface to ground water (DG) 50'bgs		
Depth of contamination (DC) – 50'bgs		
Depth to ground water (DG – DC = DtGW) - zero feet		

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