



2016
ANNUAL MONITORING REPORT

HDO-90-23

UNIT LTR "B" (NE ¼, NW ¼), SECTION 6, TOWNSHIP 21 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: HDO-90-23
NMOCD REFERENCE AP-009

PREPARED FOR:

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PREPARED BY:

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March 2017


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ENCLOSED ON DATA DISK

2016 Annual Monitoring Report

2016 Tables 1, 2, and 3 – Groundwater Elevation, BTEX and PAH Concentration Data

2016 Figures 1, 2A-2D, and 3A-3D

Electronic Copies of Laboratory Reports

Historic Table 1, 2, and 3 – Groundwater Elevation, BTEX and PAH Concentration Tables

INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), TRC Environmental Corporation (TRC) is pleased to submit this Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. Beginning on May 29, 2004, project management responsibilities were assumed by TRC Environmental Corporation, previously NOVA Safety and Environmental (NOVA). The HDO-90-23 Site, which was formally the responsibility of Texas New Mexico Pipe Line Company (TNM), is now the responsibility of Plains. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2016 only. However, historic data tables and the 2016 laboratory analytical reports are provided on the enclosed data disk. A Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2016 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor wells, checking for the presence of PSH on the water column and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH equal to or greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The site is located in the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 6, Township 21 South, Range 37 East in Lea County. The HDO 90-23 Release was discovered by TNM personnel and reported on March 27, 1990. According to the release report, an estimated seven hundred fifty (750) barrels of crude oil was released and five hundred fifty (550) barrels were recovered. The release occurred from a 14-inch TNM pipeline and was attributed to structural failure associated with internal pipeline corrosion. Limited excavation occurred around the release point to repair the pipeline. The Release Notification and Corrective Action (Form C-141) is provided as Appendix A.

In February 1998, nine (9) soil borings were advanced and five (5) monitoring wells were installed by a previous contractor to assess the subsurface conditions. In September 1999, three (3) additional monitor wells were installed. In the fall of 2002, monitor wells MW-9 through MW-15 were installed. In November 2004, NOVA installed two (2) additional monitor wells (MW-16 and MW-17) to further delineate the southeast extent of the dissolved phase plume.

On August 9, 2005, NOVA personnel discovered and documented a leaking produced water pipeline approximately one hundred (100) feet north of monitor well MW-3. The leaking pipeline was reported to the NMOCD, Hobbs District Office on the same day. The pipeline was identified as a Mar Oil and Gas (MAR) Pipeline. A MAR employee was successful in closing an off site valve to stop the produced water flow. On August 12, 2005, MAR employees began limited excavation surrounding monitor well MW-3, stockpiling the soil on site. Since the activities of August 2005, the excavated soil has been stockpiled on site.

In February 2007, NOVA personnel discovered and documented a crude oil release approximately five-hundred (500) feet northwest of monitor well MW-15. The release was associated with a production pump jack operated by MAR and to date this release has not been remediated.

On November 12, 2009, NOVA personnel advanced five (5) soil borings in the vicinity of monitor/recovery wells MW-6, MW-2, RW-1, and RW-2 to determine current soil concentration conditions. A report documenting the Soil Investigation Activities was submitted to the NMOCD under separate cover in March 2011.

On June 22, 2010, Plains received approval from the NMOCD for soil closure activities. The NMOCD approved closure contingent on the advancement of two (2) soil borings, each in the vicinity of monitor well MW-2 to at least forty (40) feet below ground surface (bgs).

On July 7, 2011, as per the NMOCD directive dated June 22, 2010, NOVA personnel advanced one (1) soil boring in the vicinity of monitor well MW-2 to a depth of approximately forty (40) feet bgs. The results of the soil boring investigation were documented in a *Soil Evaluation Letter Report* submitted to the NMOCD in August 2011.

On December 20, 2012, NOVA personnel submitted a Request for Drilling Permit to advance one (1) soil boring in the vicinity of monitor well MW-2 to a depth of approximately forty (40) feet bgs to the New Mexico Office of the State Engineer. The installation of the soil boring is pending permitting and access permission.

Currently, thirteen (13) groundwater monitor wells (MW-2 through MW-6, MW-8, MW-9, and MW-12 through MW-17) and two (2) product recovery wells (RW-1 and RW-2) are onsite.

FIELD ACTIVITIES

Product Recovery Efforts

A measurable thickness of PSH was detected in monitor well MW-6 during all four (4) sampling events of 2016. A maximum PSH thickness of 2.05 feet was recorded in monitor well MW-6 on August 10, 2016 and is shown on Table 1. A measureable thickness of PSH was reported in monitor well MW-2 during the 2nd, 3rd, and 4th quarters of the reporting period. A maximum PSH thickness of 0.29 feet was recorded in monitor well MW-2 on October 7, 2016 and is shown on Table 1. The average thickness of PSH in monitor wells MW-2 and MW-6 during 2016 was 0.55 feet. Approximately 49 gallons (1.17 barrels) of PSH were recovered manually from the site during the 2016 reporting period. Approximately 1,452.7 gallons (34.6 barrels) of PSH have been recovered by manual and automated recovery methods since project inception.

Groundwater Monitoring

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004 and amended by NMOCD correspondence dated June 21, 2005.

NMOCD Approved Sampling Schedule	
MW-1	Plugged and Abandoned
MW-2	Quarterly
MW-3	Quarterly
MW-4	Semi-Annually
MW-5	Semi-Annually
MW-6	Quarterly
MW-7	Plugged and Abandoned
MW-8	Annually
MW-9	Semi-Annually
MW-10	Plugged and Abandoned
MW-11	Plugged and Abandoned
MW-12	Quarterly
MW-13	Quarterly
MW-14	Quarterly
MW-15	Quarterly
MW-16	Annually
MW-17	Quarterly
RW-1	Quarterly
RW-2	Quarterly

The site monitor wells were gauged and sampled on February 25, June 2, September 12, and December 1-2, 2016. During each sampling event, sampled monitor wells were purged a minimum of three (3) well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos pump. Groundwater was allowed to recharge and samples were collected using disposable Teflon samplers. Water samples were placed in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility. Locations of the monitor wells and the inferred groundwater gradient, which were constructed utilizing measurements collected during the four quarterly monitoring events, are depicted on Figures 2A through 2D. Groundwater elevation data for 2016 is provided as Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed data disk.

The most recent Groundwater Gradient Map, Figure 2D, indicated a general gradient of 0.0007 feet/foot to the southeast as measured between monitor wells MW-9 and MW-16. This is generally consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevation has ranged between 3,418.01 and 3,419.85 feet above mean sea level, in monitor well MW-14 on June 2, 2016 and monitor well MW-3 on October 12, 2016, respectively.

LABORATORY RESULTS

Groundwater samples obtained during the 1st, 2nd, and 3rd quarterly sampling events of 2016 were delivered to Trace Analysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) constituent concentrations by EPA Method 8021B.

Groundwater samples obtained during the 4th quarterly sampling event of 2016 were delivered to XENCO Laboratories in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) constituent concentrations by EPA Method 8021B. Polynuclear Aromatic Hydrocarbons (PAH) analysis by EPA Method 8270 was conducted during the 2016 calendar

year on monitor well MW-2 and recover well RW-1. Based upon historic PAH analytical data, only those wells exhibiting elevated constituent concentrations above NMWQCC Drinking Water Standards are sampled, with the exclusion of those wells containing measurable PSH thicknesses. A listing of BTEX constituent concentrations for 2016 are summarized in Table 2 and the 2016 PAH constituent concentrations are summarized in Table 3. Copies of the laboratory reports generated for 2016 are provided on the enclosed data disk. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Monitor well MW-2 is monitored/sampled on a quarterly schedule. Monitor well MW-2 was not sampled during the 2nd and 3rd quarters of the reporting period due to the presence of PSH in the monitor well. PSH thicknesses of 0.01 feet were reported during the 2nd, 3rd, and 4th quarters of 2016, respectively. Monitor well MW-2 was sampled during the 1st and 4th quarters of the reporting period and the analytical results indicated benzene concentrations ranged from 0.384 mg/L during the 1st quarter to 2.97 mg/L during the 4th quarter. Benzene concentrations were above NMOCD regulatory guidelines during the 1st and 4th quarters of the reporting period. Toluene concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines during the 1st and 4th quarters of the reporting period. Ethylbenzene concentrations ranged from 0.177 mg/L during the 4th quarter to 0.473 mg/L during the 1st quarter. Ethylbenzene concentrations were below NMOCD regulatory guidelines during the 1st and 4th quarters of the reporting period. Xylene concentrations ranged from 0.142 mg/L during the 4th quarter to <0.0500 mg/L during the 1st quarter. Xylene concentrations were below NMOCD regulatory guidelines during the 1st and 4th quarters of the reporting period.

PAH analysis during the 4th quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for anthracene (0.00105 mg/L) and chrysene (0.00157 mg/L). Concentrations of Benzo[b]fluoranthene (0.000394 mg/L), Fluoranthene (0.000628 mg/L), Pyrene (0.000670 mg/L), and Naphthalene (0.0125) were reported at concentrations less than the NMWQCC Drinking Water Standards. Please note, the laboratory was required to dilute the sample, which consequently raised the constituent reporting limits (0.000481 mg/L) above the applicable NMWQCC Drinking Water Standards for benzo[a]anthracene (0.0001 mg/L).

Monitor well MW-3 is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during all four (4) quarters of 2016. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the installation of the monitor well in the 4th quarter of 2012. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-4 is sampled on a semi-annual schedule and the analytical results indicated benzene and ethylbenzene constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during the 2nd and 4th quarter sampling events. Toluene concentrations ranged from less than the applicable laboratory MDL during the 4th quarter to 0.0110 mg/L during the 2nd quarter of the reporting period. Toluene concentrations were below NMOCD regulatory guidelines during the 2nd and 4th quarters of the reporting period. Xylene concentrations ranged from less than the laboratory MDL during the 4th quarter to 0.00150 mg/L during the 2nd quarter of the reporting period.

Xylene concentrations were below NMOCD regulatory guidelines during the 2nd and 4th quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 3rd quarter of 2005. Please note, monitor well MW-4 was resampled on December 28, 2016 to confirm a potential field error which did not occur. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-5 is sampled on a semi-annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during the 2nd and 4th quarter sampling events. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 2nd quarter of 2005. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-6 is monitored on a quarterly schedule. Monitor well MW-6 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 1.49 feet, 1.55 feet, 1.40 feet, and 1.22 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2016, respectively. PAH analysis was not conducted during the 4th quarter sampling event, due to the presence of PSH.

Monitor well MW-8 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 3rd quarter of 1999. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-9 is sampled on a semi-annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during the 2nd and 4th quarters of 2016. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2003. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-12 is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during all four (4) quarters of 2016. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2003. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-13 is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during all four (4) quarters of 2016. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since 2nd quarter of 2005. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-14 is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during all four (4) quarters of 2016. BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 4th quarter of 2007. PAH analysis was not conducted during the 4th quarter sampling event. Please note, monitor well MW-14 was sampled on December 28, 2016.

Monitor well MW-15 is sampled on a quarterly schedule and the analytical results indicated benzene and toluene concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during all four (4) quarters of 2016. Ethylbenzene concentrations ranged from less than the applicable laboratory MDL during the 1st, 2nd, and 4th quarters to 0.00140 mg/L during the 3rd quarter. Ethylbenzene concentrations were below NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from less than the applicable laboratory MDL during the 1st, 2nd, and 4th quarters to 0.00270 mg/L during the 3rd quarter. Xylene concentrations were below NMOCD regulatory guidelines during all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since 3rd quarter of 2007. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-16 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 4th quarter of 2004. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-17 is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during all four (4) quarters of 2016. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 4th quarter of 2004. PAH analysis was not conducted during the 4th quarter sampling event.

Recovery well RW-1 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.120 mg/L during the 3rd quarter to 0.225 mg/L during the 1st quarter of 2016. Benzene concentrations were above NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0106 mg/L during the 2nd quarter to 0.0380 mg/L during the 1st quarter of 2016. Ethylbenzene concentrations were below NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from less than the applicable laboratory MDL during the 1st quarter to 0.0413 mg/L during the 4th quarter of 2016. Xylene concentrations were below NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

PAH analysis during the 4th quarter sampling event indicated a naphthalene concentration of 1.44 mg/L, which is above NMWQCC Drinking Water Standards. Due to the naphthalene

concentration exhibited in recovery well RW-1, the laboratory was required to dilute the sample, which consequently raised the constituent reporting limits (0.0146 mg/L) above the applicable NMWQCC Drinking Water Standards.

Recovery well RW-2 is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during all four (4) quarters of 2016. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2015. PAH analysis was not conducted during the 4th quarter sampling event.

Laboratory analytical results were compared to NMOCD regulatory guidelines based on the New Mexico groundwater guidelines found in Section 20.6.2.3103 of the New Mexico Administrative Code.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of 2016. Currently, there are thirteen (13) groundwater monitor wells (MW-2 through MW-6, MW-8, MW-9, and MW-12 through MW-17) and two (2) recovery wells (RW-1 and RW-2) on-site. The most recent Groundwater Gradient Map, Figure 2D, indicated a general gradient of 0.0007 feet/foot to the southeast.

A measurable thickness of PSH was detected in monitor well MW-6 during all four (4) sampling events of 2016. A maximum PSH thickness of 2.05 feet was recorded in monitor well MW-6 on August 10, 2016 and is shown on Table 1. A measureable thickness of PSH was reported in monitor well MW-2 during the 2nd, 3rd, and 4th quarters of the reporting period. A maximum PSH thickness of 0.29 feet was recorded in monitor well MW-2 on October 7, 2016 and is shown on Table 1. The average thickness of PSH in monitor wells MW-2 and MW-6 during 2016 was 0.55 feet.

Approximately 49 gallons (1.17 barrels) of PSH were recovered manually from the site during the 2016 reporting period. Approximately 1,452.7 gallons (34.6 barrels) of PSH have been recovered by manual and automated recovery methods since project inception.

Review of the laboratory analytical results generated from analysis of the groundwater samples obtained during the 2016 monitoring period indicated BTEX constituent concentrations are below NMOCD regulatory guidelines in twelve (12) of the fifteen (15) monitor and recovery wells.

ANTICIPATED ACTIONS

Quarterly groundwater monitoring, sampling and manual weekly PSH recovery will continue in 2017. An Annual Monitoring Report will be submitted to the NMOCD by April 1, 2018.

Based on the results of the PAH analysis over the past several years, PAH analysis will be conducted on monitor wells MW-2, MW-6, and recovery well RW-1.

One (1) soil boring will be placed in the vicinity of monitor well MW-2 to a depth of at least forty (40) feet bgs and one (1) additional monitor well will be installed north of monitor well MW-2. Due to land owner issues, the installation of the soil boring and monitor well has been delayed. When approval from the landowner and the Request for Drilling Permit has been obtained from the New Mexico Office of the State Engineer, arrangements will be made to complete the advancement of the soil boring and installation of the monitor well.

LIMITATIONS

TRC has prepared this Annual Monitoring Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

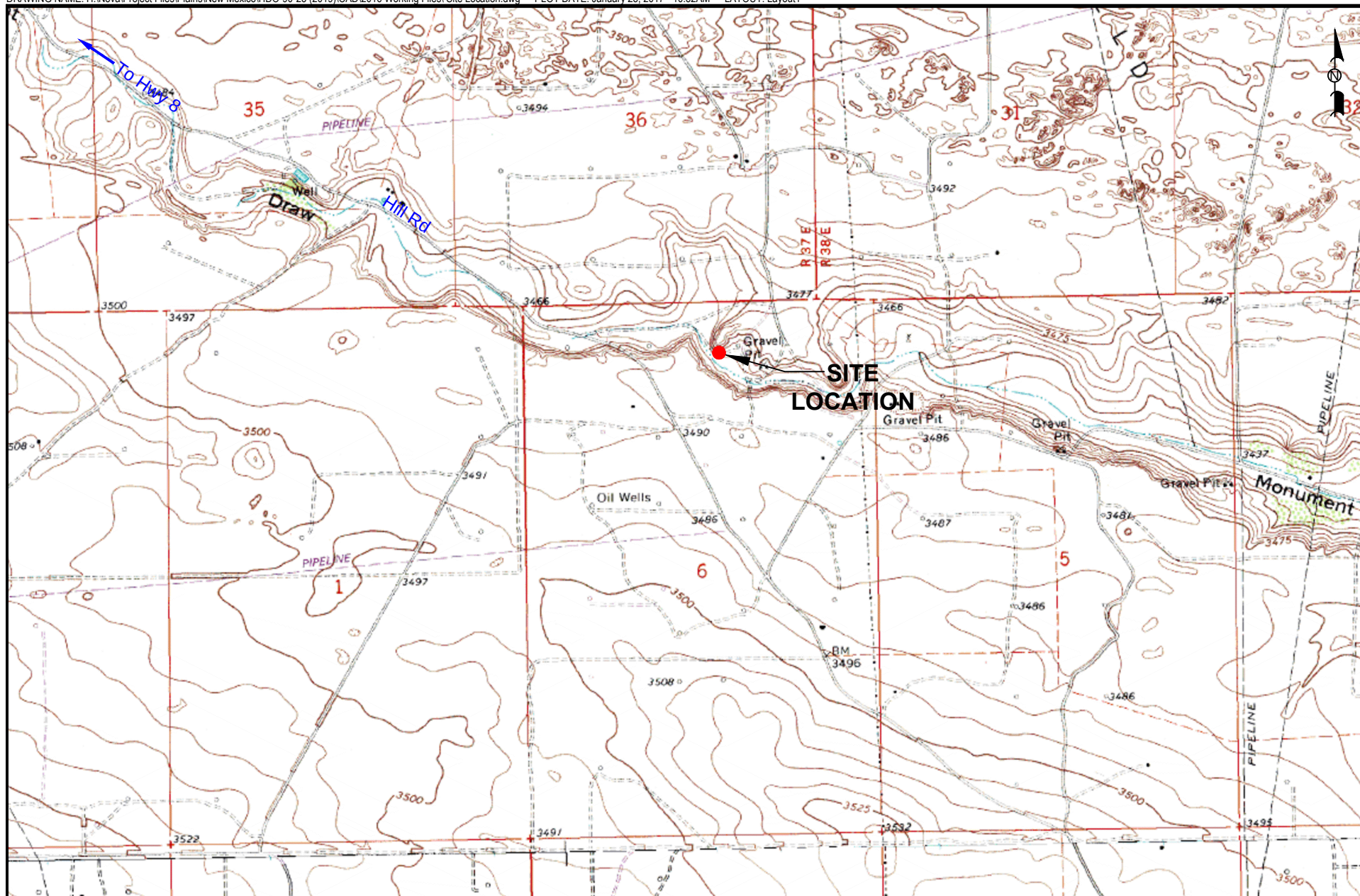
TRC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. TRC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. TRC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. TRC also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of TRC and/or Plains.

DISTRIBUTION

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cdstanley@trcsolutions.com

Figures



LEGEND:

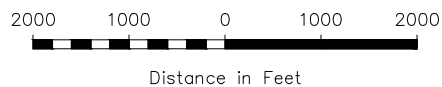


Figure 1
Site Location Map
Plains Marketing, L.P.
HDO 90-23
NMOCD Reference # AP-9-0
Lea County, NM

Scale: 1" = 2000'

CAD By: TA Checked By: CS

Draft: March 2, 2015

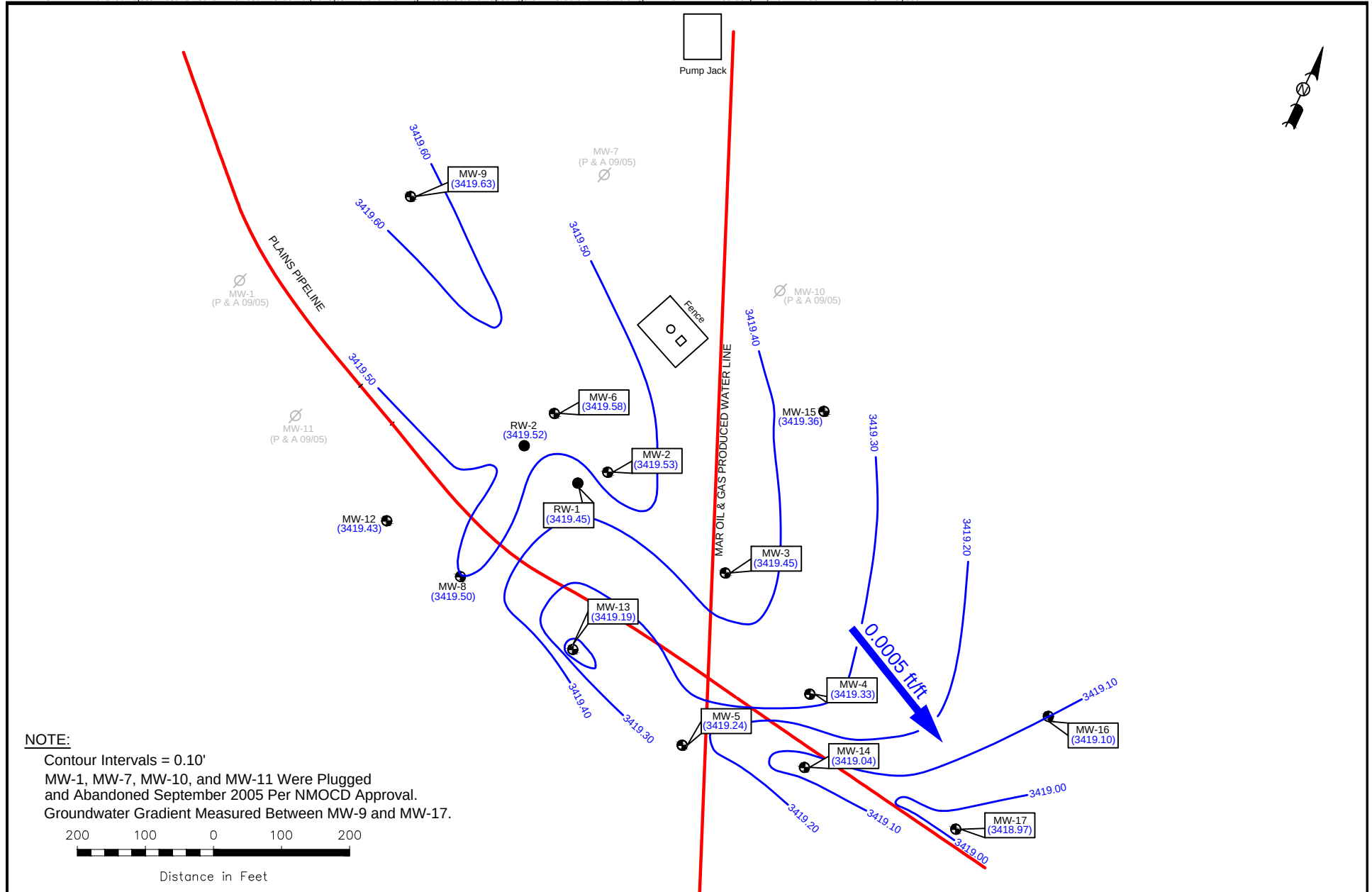
Lat. N 32.520027°, Long. W 103.200794°

NE1/4 NW1/4 Sec 6 T21S R37E

TRC Proj. No.: 014181



2057 Commerce Drive
Midland, Texas 79703
432.520.7720



LEGEND:

- Monitor Well Location
- Pipeline
- Recovery Well Location
- Plugged and Abandoned Well
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line

Figure 2A
 Inferred Groundwater
 Gradient Map
 (2/25/2016)
 Plains Marketing, L.P.
 HDO 90-23
 NMOCD Reference #AP-9-0
 Lea County, NM

Scale: 1" = 200'

CAD By: TA Checked By: CS

Draft: March 2, 2016

Lat. N 32.520027°, Long. W 103.200794°

NE1/4 NW1/4 Sec 6 T21S R37E

TRC Proj. No.: 014181



2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720

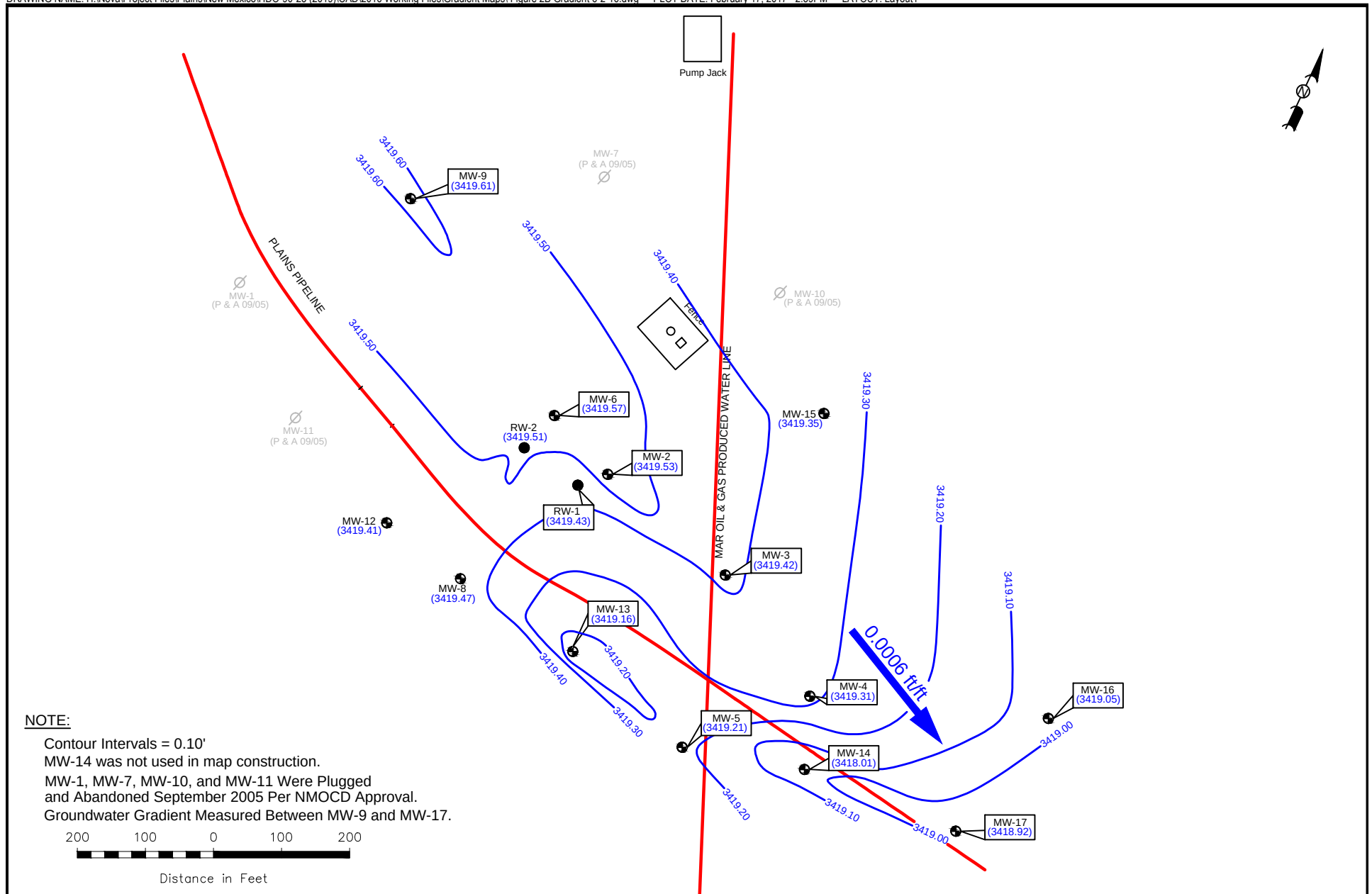
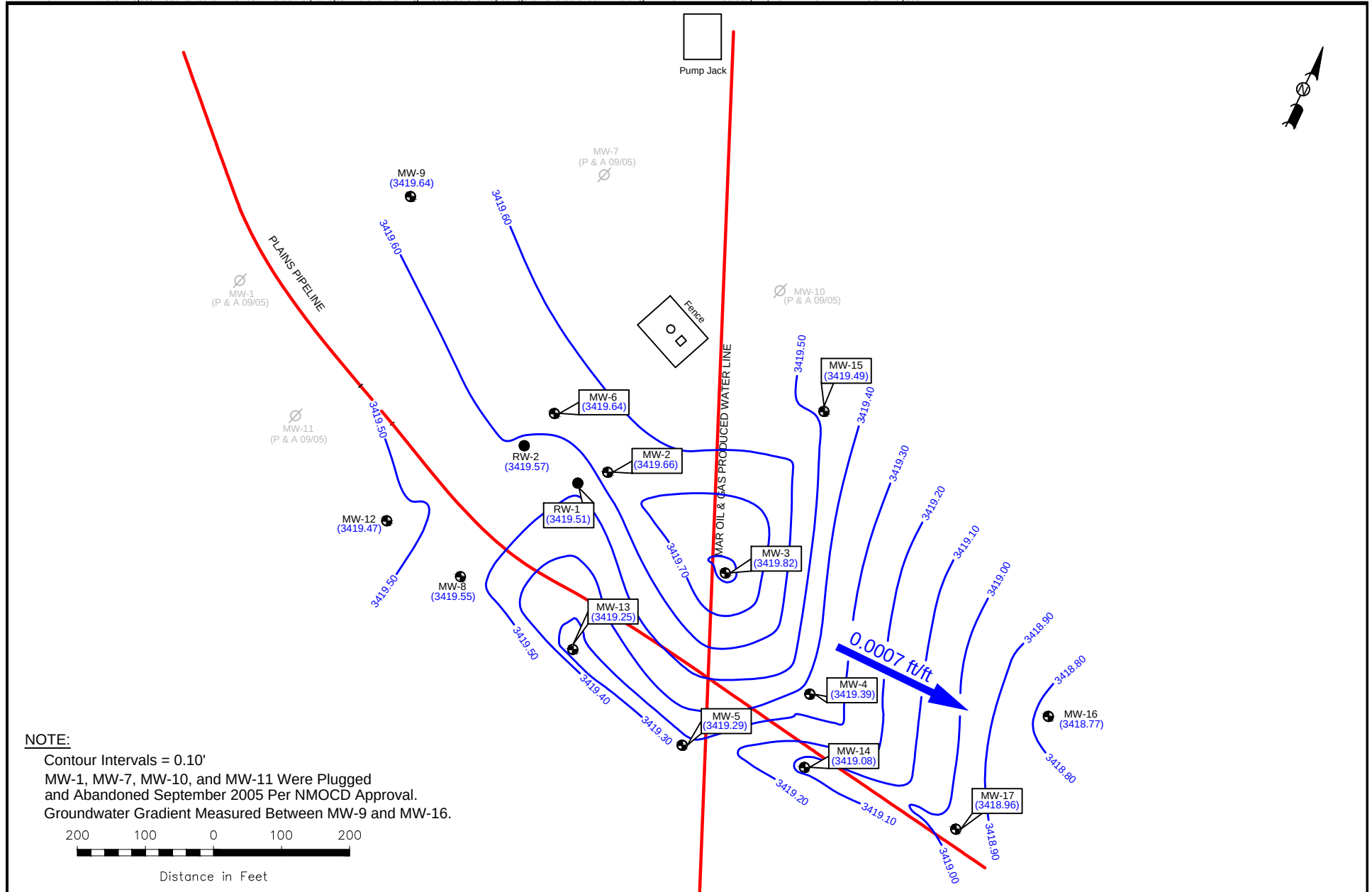


Figure 2B
 Inferred Groundwater
 Gradient Map
 (6/2/2016)
 Plains Marketing, L.P.
 HDO 90-23
 NMOCD Reference #AP-9-0
 Lea County, NM

Scale: 1" = 200'	
CAD By: TA	Checked By: CS
Draft: June 8, 2016	
Lat. N 32.520027°, Long. W 103.200794°	
NE1/4 NW1/4 Sec 6 T21S R37E	
TRC Proj. No.: 014181	





LEGEND:

- Monitor Well Location
- Pipeline
- Recovery Well Location
- Plugged and Abandoned Well
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line

Figure 2C
 Inferred Groundwater
 Gradient Map
 (9/12/2016)
 Plains Marketing, L.P.
 HDO 90-23
 NMOCD Reference #AP-9-0
 Lea County, NM

Scale: 1" = 200'

CAD By: TA Checked By: CS

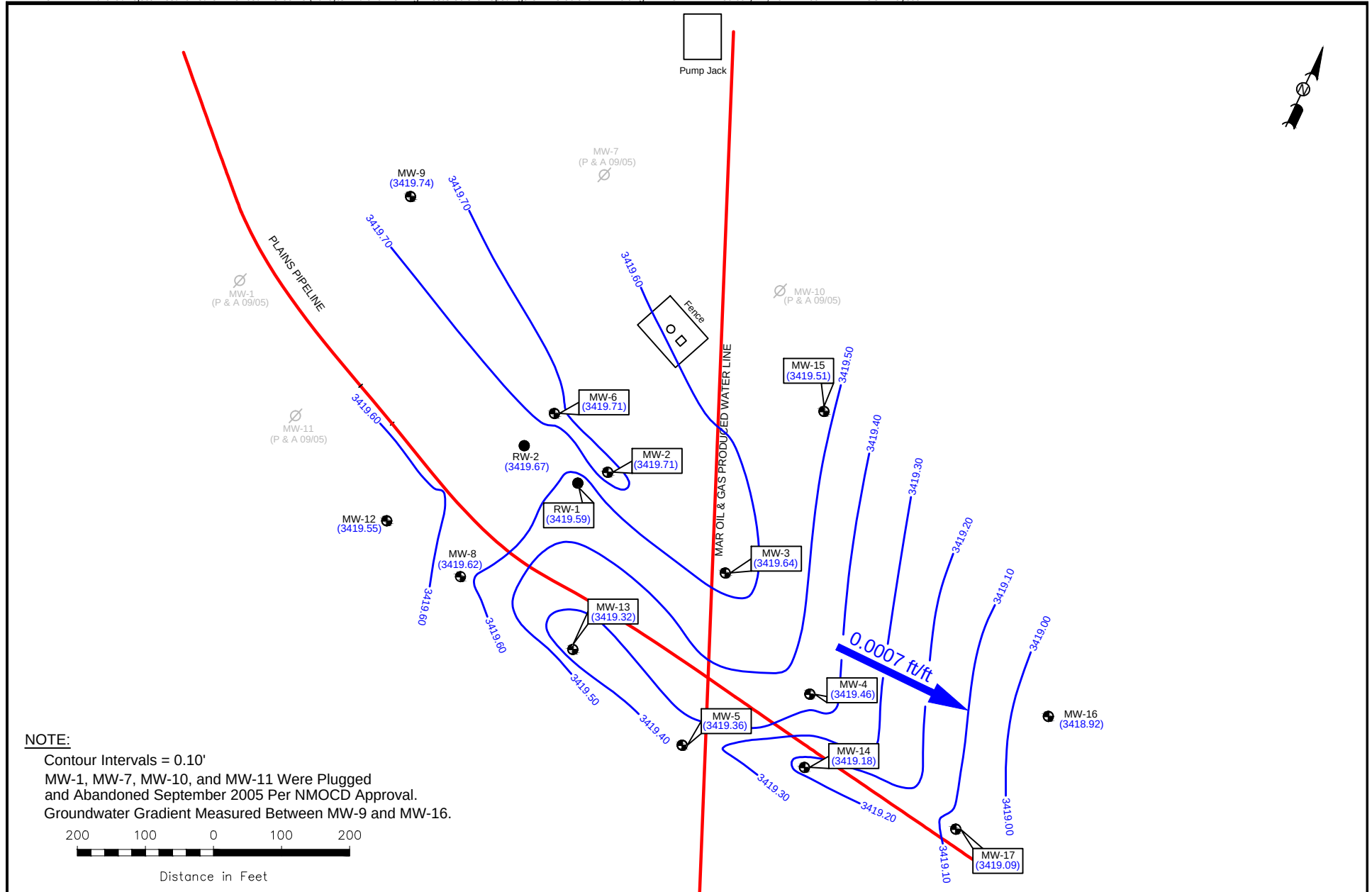
Draft: September 14, 2016

Lat. N 32.520027°, Long. W 103.200794°

NE1/4 NW1/4 Sec 6 T21S R37E

TRC Proj. No.: 014181





LEGEND:

- Monitor Well Location
- Pipeline
- Recovery Well Location
- Plugged and Abandoned Well
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line

Figure 2D
 Inferred Groundwater
 Gradient Map
 (12/1/2016 - 12/2/2016)
 Plains Marketing, L.P.
 HDO 90-23
 NMOCD Reference #AP-9-0
 Lea County, NM

Scale: 1" = 200'

CAD By: TA Checked By: CS

Draft: December 19, 2016

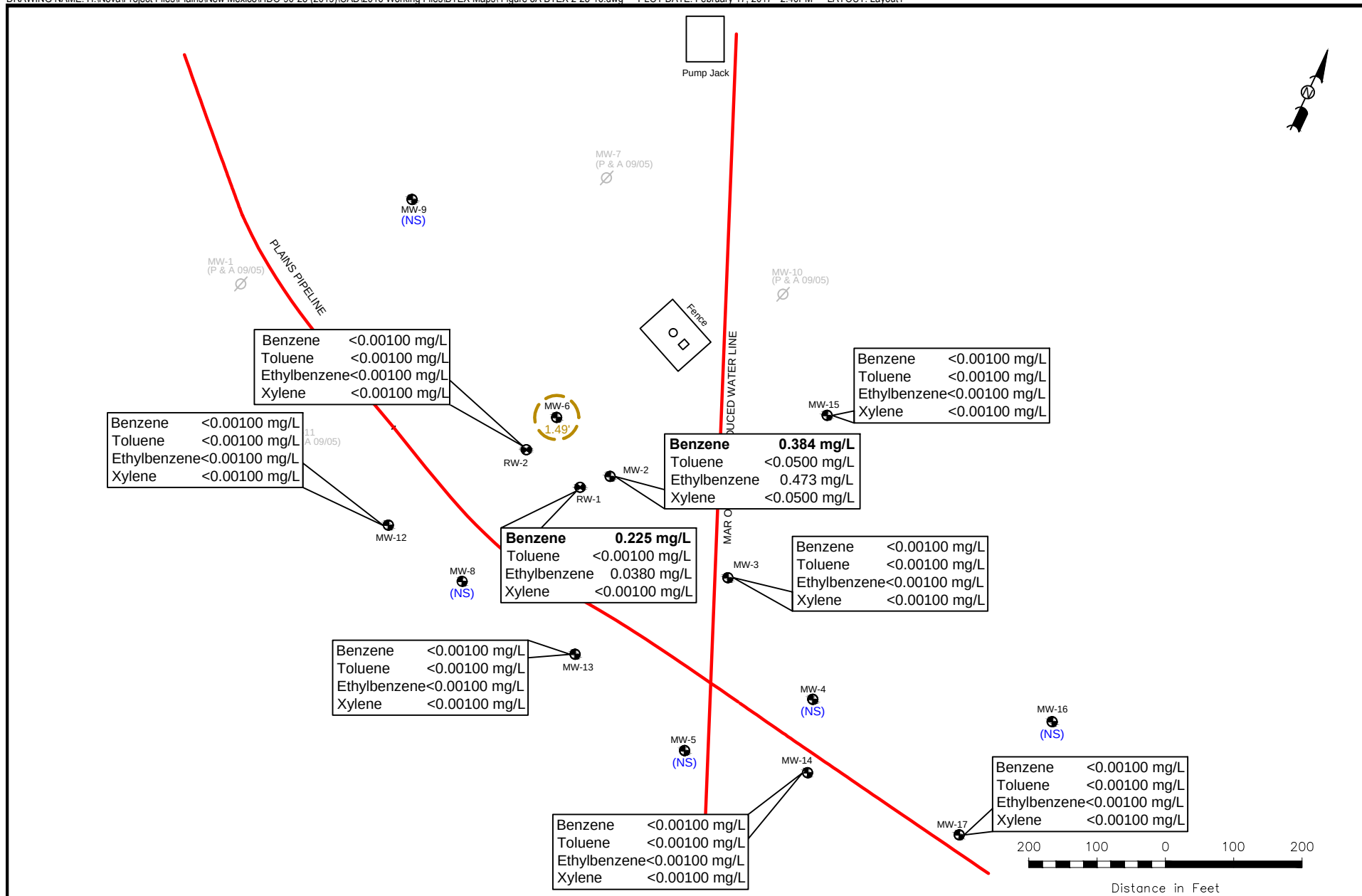
Lat. N 32.520027°, Long. W 103.200794°

NE1/4 NW1/4 Sec 6 T21S R37E

TRC Proj. No.: 014181



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LEGEND:

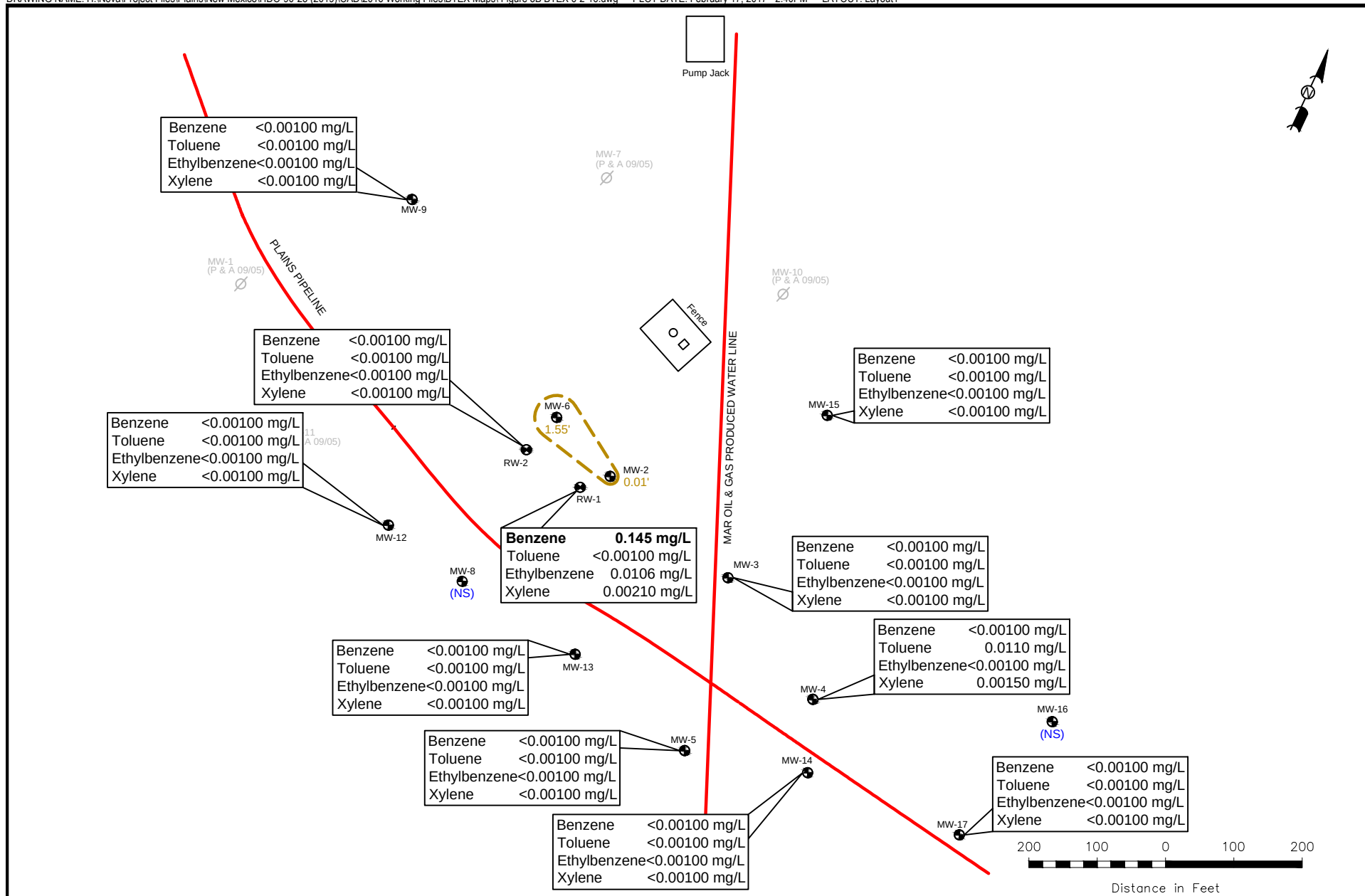
- Monitor Well Location
- Inferred PSH Extent
- Pipeline
- Not Sampled
- PSH Thickness Data Unavailable
- <0.001 Constituent Concentration (mg/L)
- 0.18' PSH Thickness (in feet)

Figure 3A
Groundwater Concentration and
Inferred PSH Extent Map
(2/25/2016)
Plains Marketing, L.P.
HDO 90-23
NMOC Reference #AP-9-0
Lea County, NM

Scale: 1" = 200'

CAD By: TA	Checked By: CS
Draft: March 2, 2015	
Lat. N 32.520027°, Long. W 103.200794°	
NE1/4 NW1/4 Sec 6 T21S R37E	
TRC Proj. No.: 014181	

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LEGEND:

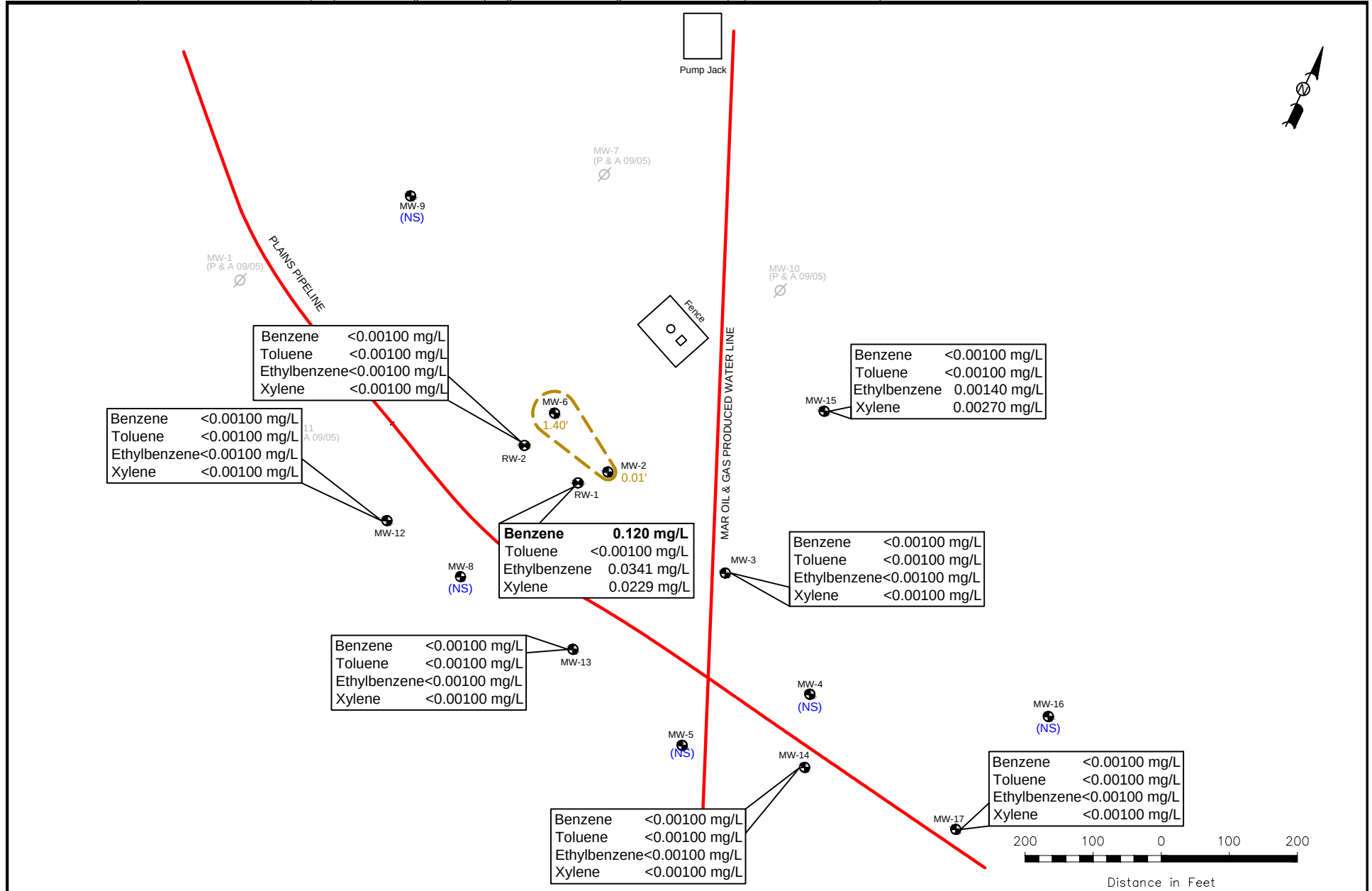
- Monitor Well Location
- Inferred PSH Extent
- Pipeline
- Not Sampled
- PSH Thickness Data Unavailable
- <0.001 Constituent Concentration (mg/L)
- 0.18' PSH Thickness (in feet)

Figure 3B
Groundwater Concentration and
Inferred PSH Extent Map
(6/2/2016)
Plains Marketing, L.P.
HDO 90-23
NMOC Reference #AP-9-0
Lea County, NM

Scale: 1" = 200'

CAD By: TA	Checked By: CS
Draft: June 15, 2016	
Lat. N 32.520027°, Long. W 103.200794°	
NE1/4 NW1/4 Sec 6 T21S R37E	
TRC Proj. No.: 014181	

TRC
2057 Commerce Drive
Midland, Texas 79703
432.520.7720



LEGEND:

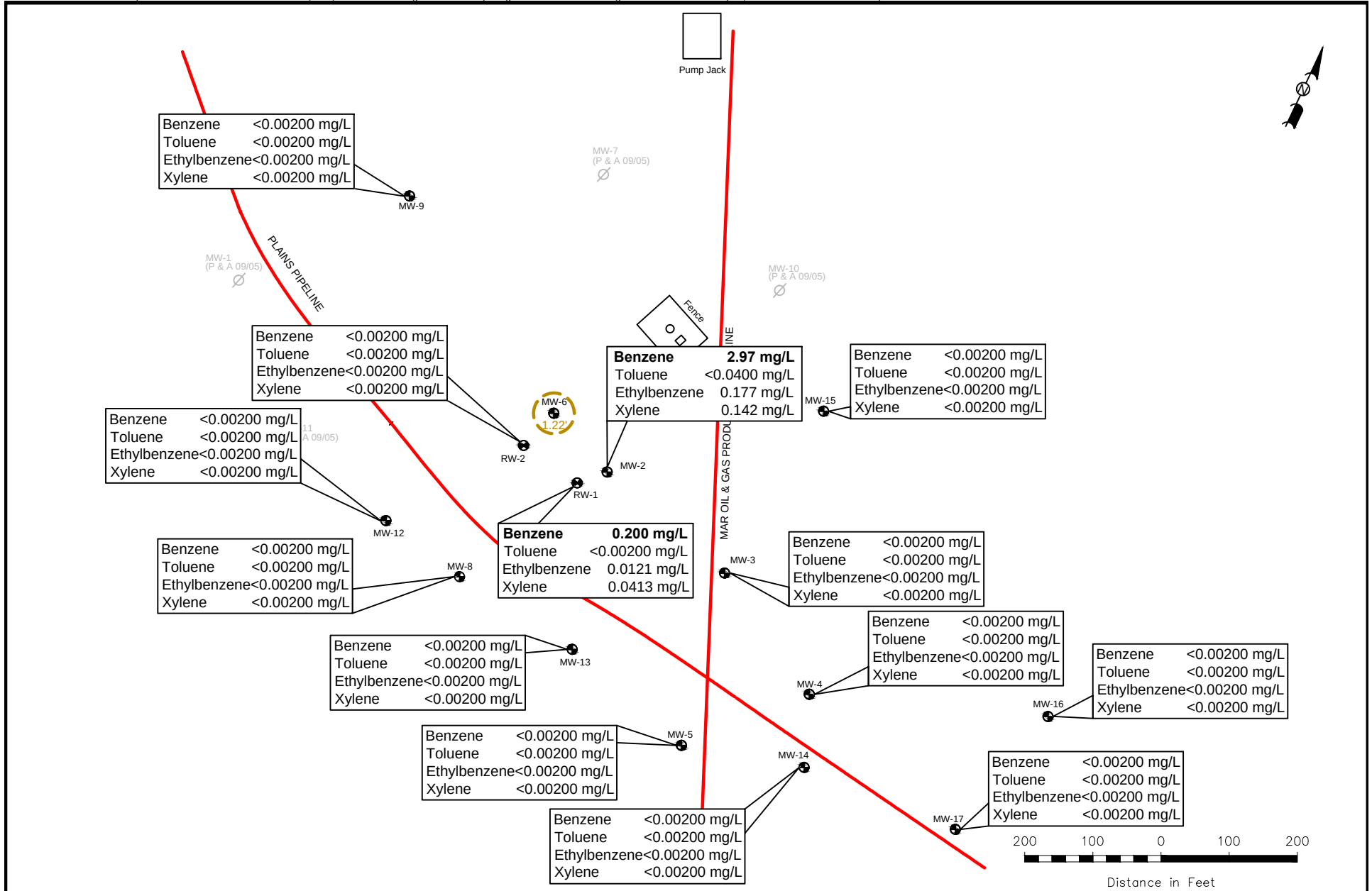
- Monitor Well Location
- Inferred PSH Extent
- Pipeline
- (NS) Not Sampled
- (NA) PSH Thickness Data Unavailable
- <0.001 Constituent Concentration (mg/L)
- 0.18' PSH Thickness (in feet)

Figure 3C
Groundwater Concentration and
Inferred PSH Extent Map
(9/12/2016)
Plains Marketing, L.P.
HDO 90-23
NMOC Reference #AP-9-0
Lea County, NM

Scale: 1" = 200'

CAD By: TA	Checked By: CS
Draft: September 19, 2016	
Lat. N 32.520027°, Long. W 103.200794°	
NE1/4 NW1/4 Sec 6 T21S R37E	
TRC Proj. No.: 014181	

TRC
2057 Commerce Drive
Midland, Texas 79703
432.520.7720



Tables

TABLE 1
2016 GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	01/06/16	3,465.44	-	45.93	0.00	3,419.51
MW - 2	01/15/16	3,465.44	-	45.96	0.00	3,419.48
MW - 2	01/19/16	3,465.44	-	45.98	0.00	3,419.46
MW - 2	01/28/16	3,465.44	-	45.98	0.00	3,419.46
MW - 2	02/03/16	3,465.44	-	45.91	0.00	3,419.53
MW - 2	02/11/16	3,465.44	-	45.95	0.00	3,419.49
MW - 2	02/19/16	3,465.44	-	45.98	0.00	3,419.46
MW - 2	02/23/16	3,465.44	-	45.92	0.00	3,419.52
MW - 2	02/25/16	3,465.44	-	45.91	0.00	3,419.53
MW - 2	03/01/16	3,465.44	-	45.91	0.00	3,419.53
MW - 2	03/08/16	3,465.44	-	45.88	0.00	3,419.56
MW - 2	03/16/16	3,465.44	-	45.89	0.00	3,419.55
MW - 2	03/17/16	3,465.44	-	45.88	0.00	3,419.56
MW - 2	03/24/16	3,465.44	-	45.89	0.00	3,419.55
MW - 2	03/29/16	3,465.44	-	45.91	0.00	3,419.53
MW - 2	04/05/16	3,465.44	-	45.90	0.00	3,419.54
MW - 2	04/13/16	3,465.44	-	45.87	0.00	3,419.57
MW - 2	04/18/16	3,465.44	-	45.92	0.00	3,419.52
MW - 2	04/25/16	3,465.44	45.85	45.86	0.01	3,419.59
MW - 2	05/03/16	3,465.44	45.84	45.85	0.01	3,419.60
MW - 2	05/12/16	3,465.44	45.85	45.86	0.01	3,419.59
MW - 2	05/27/16	3,465.44	45.89	45.90	0.01	3,419.55
MW - 2	06/02/16	3,465.44	45.91	45.92	0.01	3,419.53
MW - 2	06/06/16	3,465.44	-	45.96	0.00	3,419.48
MW - 2	06/30/16	3,465.44	-	46.10	0.00	3,419.34
MW - 2	07/05/16	3,465.44	-	46.06	0.00	3,419.38
MW - 2	07/14/16	3,465.44	-	46.03	0.00	3,419.41
MW - 2	07/19/16	3,465.44	-	46.05	0.00	3,419.39
MW - 2	07/26/16	3,465.44	-	46.10	0.00	3,419.34
MW - 2	08/03/16	3,465.44	-	46.10	0.00	3,419.34
MW - 2	08/10/16	3,465.44	-	46.13	0.00	3,419.31
MW - 2	08/15/16	3,465.44	-	46.11	0.00	3,419.33
MW - 2	08/23/16	3,465.44	-	46.04	0.00	3,419.40
MW - 2	09/12/16	3,465.44	45.78	45.79	0.01	3,419.66
MW - 2	10/07/16	3,465.44	45.56	45.85	0.29	3,419.84
MW - 2	10/12/16	3,465.44	45.73	45.74	0.01	3,419.71
MW - 2	10/19/16	3,465.44	-	45.76	0.00	3,419.68
MW - 2	10/28/16	3,465.44	-	45.76	0.00	3,419.68
MW - 2	11/03/16	3,465.44	-	45.75	0.00	3,419.69
MW - 2	11/11/16	3,465.44	-	45.74	0.00	3,419.70
MW - 2	11/15/16	3,465.44	-	45.68	0.00	3,419.76
MW - 2	12/02/16	3,465.44	-	45.73	0.00	3,419.71
MW - 2	12/06/16	3,465.44	-	45.77	0.00	3,419.67

TABLE 1
2016 GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	12/13/16	3,465.44	-	45.79	0.00	3,419.65
MW - 2	12/21/16	3,465.44	-	45.80	0.00	3,419.64
MW - 2	12/28/16	3,465.44	-	45.79	0.00	3,419.65
MW - 3	01/19/16	3,464.68	-	45.25	0.00	3,419.43
MW - 3	02/25/16	3,464.68	-	45.23	0.00	3,419.45
MW - 3	03/17/16	3,464.68	-	45.18	0.00	3,419.50
MW - 3	04/13/16	3,464.68	-	45.23	0.00	3,419.45
MW - 3	06/02/16	3,464.68	-	45.26	0.00	3,419.42
MW - 3	06/30/16	3,464.68	-	45.32	0.00	3,419.36
MW - 3	07/26/16	3,464.68	-	45.41	0.00	3,419.27
MW - 3	09/12/16	3,464.68	-	44.86	0.00	3,419.82
MW - 3	10/12/16	3,464.68	-	44.83	0.00	3,419.85
MW - 3	12/01/16	3,464.68	-	45.04	0.00	3,419.64
MW - 3	12/28/16	3,464.68	-	45.08	0.00	3,419.60
MW - 4	01/19/16	3,465.76	-	46.40	0.00	3,419.36
MW - 4	02/25/16	3,465.76	-	46.43	0.00	3,419.33
MW - 4	03/17/16	3,465.76	-	46.38	0.00	3,419.38
MW - 4	04/13/16	3,465.76	-	46.39	0.00	3,419.37
MW - 4	06/02/16	3,465.76	-	46.45	0.00	3,419.31
MW - 4	06/30/16	3,465.76	-	46.51	0.00	3,419.25
MW - 4	07/26/16	3,465.76	-	46.61	0.00	3,419.15
MW - 4	09/12/16	3,465.76	-	46.37	0.00	3,419.39
MW - 4	10/12/16	3,465.76	-	46.26	0.00	3,419.50
MW - 4	12/01/16	3,465.76	-	46.30	0.00	3,419.46
MW - 4	12/28/16	3,465.76	-	46.31	0.00	3,419.45
MW - 5	01/19/16	3,467.40	-	48.14	0.00	3,419.26
MW - 5	02/25/16	3,467.40	-	48.16	0.00	3,419.24
MW - 5	03/17/16	3,467.40	-	48.12	0.00	3,419.28
MW - 5	04/13/16	3,467.40	-	48.13	0.00	3,419.27
MW - 5	06/02/16	3,467.40	-	48.19	0.00	3,419.21
MW - 5	06/30/16	3,467.40	-	48.27	0.00	3,419.13
MW - 5	07/26/16	3,467.40	-	48.34	0.00	3,419.06
MW - 5	08/23/16	3,467.40	-	48.30	0.00	3,419.10
MW - 5	09/12/16	3,467.40	-	48.11	0.00	3,419.29
MW - 5	10/12/16	3,467.40	-	47.97	0.00	3,419.43
MW - 5	12/01/16	3,467.40	-	48.04	0.00	3,419.36
MW - 5	12/28/16	3,467.40	-	48.05	0.00	3,419.35
MW - 6	01/06/16	3,465.42	45.58	47.11	1.53	3,419.61
MW - 6	01/15/16	3,465.42	45.58	47.17	1.59	3,419.60

TABLE 1**2016 GROUNDWATER ELEVATION DATA**

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	01/19/16	3,465.42	45.59	47.17	1.58	3,419.59
MW - 6	01/28/16	3,465.42	45.59	47.17	1.58	3,419.59
MW - 6	02/03/16	3,465.42	45.60	47.17	1.57	3,419.58
MW - 6	02/11/16	3,465.42	45.57	47.15	1.58	3,419.61
MW - 6	02/19/16	3,465.42	45.58	47.60	2.02	3,419.54
MW - 6	02/23/16	3,465.42	45.60	47.11	1.51	3,419.59
MW - 6	02/25/16	3,465.42	45.62	47.11	1.49	3,419.58
MW - 6	03/01/16	3,465.42	45.60	47.13	1.53	3,419.59
MW - 6	03/08/16	3,465.42	45.60	46.97	1.37	3,419.61
MW - 6	03/16/16	3,465.42	45.57	47.02	1.45	3,419.63
MW - 6	03/17/16	3,465.42	45.59	47.02	1.43	3,419.62
MW - 6	03/24/16	3,465.42	45.59	47.08	1.49	3,419.61
MW - 6	03/29/16	3,465.42	45.55	47.05	1.50	3,419.65
MW - 6	04/05/16	3,465.42	45.58	47.10	1.52	3,419.61
MW - 6	04/13/16	3,465.42	45.57	47.10	1.53	3,419.62
MW - 6	04/18/16	3,465.42	45.59	47.15	1.56	3,419.60
MW - 6	04/25/16	3,465.42	45.58	47.09	1.51	3,419.61
MW - 6	05/03/16	3,465.42	45.58	47.08	1.50	3,419.62
MW - 6	05/12/16	3,465.42	45.58	47.12	1.54	3,419.61
MW - 6	05/27/16	3,465.42	45.60	47.20	1.60	3,419.58
MW - 6	06/02/16	3,465.42	45.62	47.17	1.55	3,419.57
MW - 6	06/06/16	3,465.42	45.61	47.24	1.63	3,419.57
MW - 6	06/30/16	3,465.42	45.65	47.48	1.83	3,419.50
MW - 6	07/05/16	3,465.42	45.61	47.52	1.91	3,419.52
MW - 6	07/14/16	3,465.42	45.69	47.66	1.97	3,419.43
MW - 6	07/19/16	3,465.42	45.74	47.50	1.76	3,419.42
MW - 6	07/26/16	3,465.42	45.75	47.58	1.83	3,419.40
MW - 6	08/03/16	3,465.42	45.74	47.65	1.91	3,419.39
MW - 6	08/10/16	3,465.42	45.75	47.80	2.05	3,419.36
MW - 6	08/15/16	3,465.42	45.76	47.80	2.04	3,419.35
MW - 6	08/23/16	3,465.42	45.69	47.72	2.03	3,419.43
MW - 6	09/12/16	3,465.42	45.57	46.97	1.40	3,419.64
MW - 6	10/07/16	3,465.42	45.45	46.42	0.97	3,419.82
MW - 6	10/12/16	3,465.42	45.46	46.43	0.97	3,419.81
MW - 6	10/19/16	3,465.42	45.51	46.48	0.97	3,419.76
MW - 6	10/28/16	3,465.42	45.52	46.55	1.03	3,419.75
MW - 6	11/03/16	3,465.42	45.53	46.58	1.05	3,419.73
MW - 6	11/11/16	3,465.42	45.53	46.65	1.12	3,419.72
MW - 6	11/15/16	3,465.42	45.50	46.64	1.14	3,419.75
MW - 6	12/01/16	3,465.42	45.53	46.75	1.22	3,419.71
MW - 6	12/06/16	3,465.42	45.59	46.79	1.20	3,419.65
MW - 6	12/13/16	3,465.42	45.54	46.81	1.27	3,419.69
MW - 6	12/21/16	3,465.42	45.54	46.83	1.29	3,419.69

TABLE 1
2016 GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	12/28/16	3,465.42	45.53	46.82	1.29	3,419.70
MW - 8	01/19/16	3,467.61	-	48.08	0.00	3,419.53
MW - 8	02/25/16	3,467.61	-	48.11	0.00	3,419.50
MW - 8	03/17/16	3,467.61	-	48.08	0.00	3,419.53
MW - 8	04/13/16	3,467.61	-	48.07	0.00	3,419.54
MW - 8	06/02/16	3,467.61	-	48.14	0.00	3,419.47
MW - 8	06/30/16	3,467.61	-	48.22	0.00	3,419.39
MW - 8	07/26/16	3,467.61	-	48.29	0.00	3,419.32
MW - 8	08/23/16	3,467.61	-	48.26	0.00	3,419.35
MW - 8	09/12/16	3,467.61	-	48.06	0.00	3,419.55
MW - 8	10/12/16	3,467.61	-	47.93	0.00	3,419.68
MW - 8	12/01/16	3,467.61	-	47.99	0.00	3,419.62
MW - 8	12/28/16	3,467.61	-	48.01	0.00	3,419.60
MW - 9	01/19/16	3,465.74	-	46.08	0.00	3,419.66
MW - 9	02/25/16	3,465.74	-	46.11	0.00	3,419.63
MW - 9	03/17/16	3,465.74	-	46.08	0.00	3,419.66
MW - 9	04/13/16	3,465.74	-	46.05	0.00	3,419.69
MW - 9	06/02/16	3,465.74	-	46.13	0.00	3,419.61
MW - 9	06/30/16	3,465.74	-	46.20	0.00	3,419.54
MW - 9	07/26/16	3,465.74	-	46.29	0.00	3,419.45
MW - 9	08/23/16	3,465.74	-	46.28	0.00	3,419.46
MW - 9	09/12/16	3,465.74	-	46.10	0.00	3,419.64
MW - 9	10/12/16	3,465.74	-	45.96	0.00	3,419.78
MW - 9	12/01/16	3,465.74	-	46.00	0.00	3,419.74
MW - 9	12/28/16	3,465.74	-	46.03	0.00	3,419.71
MW - 12	01/19/16	3466.69	-	47.22	0.00	3,419.47
MW - 12	02/25/16	3466.69	-	47.26	0.00	3,419.43
MW - 12	03/17/16	3466.69	-	47.22	0.00	3,419.47
MW - 12	04/13/16	3466.69	-	47.21	0.00	3,419.48
MW - 12	06/02/16	3466.69	-	47.28	0.00	3,419.41
MW - 12	06/30/16	3466.69	-	47.34	0.00	3,419.35
MW - 12	07/26/16	3466.69	-	47.43	0.00	3,419.26
MW - 12	08/23/16	3466.69	-	47.40	0.00	3,419.29
MW - 12	09/12/16	3466.69	-	47.22	0.00	3,419.47
MW - 12	10/12/16	3466.69	-	47.08	0.00	3,419.61
MW - 12	12/01/16	3466.69	-	47.14	0.00	3,419.55
MW - 12	12/28/16	3466.69	-	47.16	0.00	3,419.53
MW - 13	01/19/16	3466.98	-	47.75	0.00	3,419.23
MW - 13	02/25/16	3466.98	-	47.79	0.00	3,419.19

TABLE 1

2016 GROUNDWATER ELEVATION DATA

**PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009**

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	03/17/16	3466.98	-	47.75	0.00	3,419.23
MW - 13	04/13/16	3466.98	-	47.75	0.00	3,419.23
MW - 13	06/02/16	3466.98	-	47.82	0.00	3,419.16
MW - 13	06/30/16	3466.98	-	47.88	0.00	3,419.10
MW - 13	07/26/16	3466.98	-	47.97	0.00	3,419.01
MW - 13	08/23/16	3466.98	-	47.93	0.00	3,419.05
MW - 13	09/12/16	3466.98	-	47.73	0.00	3,419.25
MW - 13	10/12/16	3466.98	-	47.60	0.00	3,419.38
MW - 13	12/01/16	3466.98	-	47.66	0.00	3,419.32
MW - 13	12/28/16	3466.98	-	47.67	0.00	3,419.31
MW - 14	01/19/16	3466.50	-	47.42	0.00	3,419.08
MW - 14	02/25/16	3466.50	-	47.46	0.00	3,419.04
MW - 14	03/17/16	3466.50	-	47.42	0.00	3,419.08
MW - 14	04/13/16	3466.50	-	47.40	0.00	3,419.10
MW - 14	06/02/16	3466.50	-	48.49	0.00	3,418.01
MW - 14	06/30/16	3466.50	-	47.55	0.00	3,418.95
MW - 14	07/26/16	3466.50	-	47.63	0.00	3,418.87
MW - 14	08/23/16	3466.50	-	47.61	0.00	3,418.89
MW - 14	09/12/16	3466.50	-	47.42	0.00	3,419.08
MW - 14	10/12/16	3466.50	-	47.28	0.00	3,419.22
MW - 14	12/01/16	3466.50	-	47.32	0.00	3,419.18
MW - 14	12/28/16	3466.50	-	47.32	0.00	3,419.18
MW - 15	01/19/16	3466.10	-	46.73	0.00	3,419.37
MW - 15	02/25/16	3466.10	-	46.74	0.00	3,419.36
MW - 15	03/17/16	3466.10	-	46.72	0.00	3,419.38
MW - 15	04/13/16	3466.10	-	46.71	0.00	3,419.39
MW - 15	06/02/16	3466.10	-	46.75	0.00	3,419.35
MW - 15	06/30/16	3466.10	-	46.86	0.00	3,419.24
MW - 15	07/26/16	3466.10	-	46.93	0.00	3,419.17
MW - 15	08/23/16	3466.10	-	46.88	0.00	3,419.22
MW - 15	09/12/16	3466.10	-	46.61	0.00	3,419.49
MW - 15	10/12/16	3466.10	-	46.47	0.00	3,419.63
MW - 15	12/01/16	3466.10	-	46.59	0.00	3,419.51
MW - 15	12/28/16	3466.10	-	46.60	0.00	3,419.50
MW - 16	01/19/16	3465.93	-	46.78	0.00	3,419.15
MW - 16	02/25/16	3465.93	-	46.83	0.00	3,419.10
MW - 16	03/17/16	3465.93	-	46.80	0.00	3,419.13
MW - 16	04/13/16	3465.93	-	46.77	0.00	3,419.16
MW - 16	06/02/16	3465.93	-	46.88	0.00	3,419.05
MW - 16	06/30/16	3465.93	-	46.97	0.00	3,418.96

TABLE 1

2016 GROUNDWATER ELEVATION DATA

**PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009**

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 16	07/26/16	3465.93	-	47.07	0.00	3,418.86
MW - 16	09/12/16	3465.93	-	47.16	0.00	3,418.77
MW - 16	10/12/16	3465.93	-	46.85	0.00	3,419.08
MW - 16	12/01/16	3465.93	-	47.01	0.00	3,418.92
MW - 16	12/28/16	3465.93	-	47.19	0.00	3,418.74
MW - 17	01/19/16	3468.68	-	49.69	0.00	3,418.99
MW - 17	02/25/16	3468.68	-	49.71	0.00	3,418.97
MW - 17	03/17/16	3468.68	-	49.68	0.00	3,419.00
MW - 17	04/13/16	3468.68	-	49.67	0.00	3,419.01
MW - 17	06/02/16	3468.68	-	49.76	0.00	3,418.92
MW - 17	06/30/16	3468.68	-	49.84	0.00	3,418.84
MW - 17	07/26/16	3468.68	-	49.93	0.00	3,418.75
MW - 17	09/12/16	3468.68	-	49.72	0.00	3,418.96
MW - 17	10/12/16	3468.68	-	49.54	0.00	3,419.14
MW - 17	12/01/16	3468.68	-	49.59	0.00	3,419.09
MW - 17	12/28/16	3468.68	-	49.17	0.00	3,419.51
RW -1	01/06/16	3465.02	-	45.58	0.00	3,419.44
RW -1	01/15/16	3465.02	-	45.60	0.00	3,419.42
RW -1	01/19/16	3465.02	-	45.56	0.00	3,419.46
RW -1	01/28/16	3465.02	-	45.56	0.00	3,419.46
RW -1	02/03/16	3465.02	-	45.53	0.00	3,419.49
RW -1	02/11/16	3465.02	-	45.58	0.00	3,419.44
RW -1	02/19/16	3465.02	-	45.58	0.00	3,419.44
RW -1	02/23/16	3465.02	-	45.57	0.00	3,419.45
RW -1	02/25/16	3465.02	-	45.57	0.00	3,419.45
RW -1	03/01/16	3465.02	-	45.58	0.00	3,419.44
RW -1	03/08/16	3465.02	-	45.55	0.00	3,419.47
RW -1	03/16/16	3465.02	-	45.55	0.00	3,419.47
RW -1	03/17/16	3465.02	-	45.56	0.00	3,419.46
RW -1	03/24/16	3465.02	-	45.55	0.00	3,419.47
RW -1	03/29/16	3465.02	-	45.56	0.00	3,419.46
RW -1	04/05/16	3465.02	-	45.55	0.00	3,419.47
RW -1	04/13/16	3465.02	-	45.53	0.00	3,419.49
RW -1	04/18/16	3465.02	-	45.57	0.00	3,419.45
RW -1	04/25/16	3465.02	-	45.54	0.00	3,419.48

TABLE 1
2016 GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW -1	05/03/16	3465.02	-	45.56	0.00	3,419.46
RW -1	05/12/16	3465.02	-	45.57	0.00	3,419.45
RW -1	05/27/16	3465.02	-	45.59	0.00	3,419.43
RW -1	06/02/16	3465.02	-	45.59	0.00	3,419.43
RW -1	06/06/16	3465.02	-	45.62	0.00	3,419.40
RW -1	06/30/16	3465.02	-	45.70	0.00	3,419.32
RW -1	07/05/16	3465.02	-	45.70	0.00	3,419.32
RW -1	07/14/16	3465.02	-	45.73	0.00	3,419.29
RW -1	07/19/16	3465.02	-	45.75	0.00	3,419.27
RW -1	07/26/16	3465.02	-	45.78	0.00	3,419.24
RW -1	08/03/16	3465.02	-	45.80	0.00	3,419.22
RW -1	08/10/16	3465.02	-	45.81	0.00	3,419.21
RW -1	08/15/16	3465.02	-	45.80	0.00	3,419.22
RW -1	08/23/16	3465.02	-	45.74	0.00	3,419.28
RW -1	09/12/16	3465.02	-	45.51	0.00	3,419.51
RW -1	10/07/16	3465.02	-	45.36	0.00	3,419.66
RW -1	10/12/16	3465.02	-	45.37	0.00	3,419.65
RW -1	10/19/16	3465.02	-	45.43	0.00	3,419.59
RW -1	10/28/16	3465.02	-	45.44	0.00	3,419.58
RW -1	11/03/16	3465.02	-	45.47	0.00	3,419.55
RW -1	11/11/16	3465.02	-	45.47	0.00	3,419.55
RW -1	11/15/16	3465.02	-	45.42	0.00	3,419.60
RW -1	12/02/16	3465.02	-	45.43	0.00	3,419.59
RW -1	12/06/16	3465.02	-	45.50	0.00	3,419.52
RW -1	12/13/16	3465.02	-	45.50	0.00	3,419.52
RW -1	12/21/16	3465.02	-	45.50	0.00	3,419.52
RW -1	12/28/16	3465.02	-	45.50	0.00	3,419.52
RW - 2	01/19/16	3465.21	-	45.66	0.00	3419.55
RW - 2	02/25/16	3465.21	-	45.69	0.00	3419.52
RW - 2	03/17/16	3465.21	-	45.67	0.00	3419.54
RW - 2	04/13/16	3465.21	-	45.59	0.00	3419.62
RW - 2	06/02/16	3465.21	-	45.70	0.00	3419.51
RW - 2	06/30/16	3465.21	-	45.74	0.00	3419.47
RW - 2	07/26/16	3465.21	-	45.88	0.00	3419.33
RW - 2	08/23/16	3465.21	-	45.85	0.00	3419.36
RW - 2	09/12/16	3465.21	-	45.64	0.00	3419.57
RW - 2	10/12/16	3465.21	-	45.49	0.00	3419.72
RW - 2	12/01/16	3465.21	-	45.54	0.00	3419.67
RW - 2	12/28/16	3465.21	-	45.61	0.00	3419.60

Note: Elevations based on North American Vertical Datum of 1929.

*Inconsistent Data

TABLE 2

2016 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 2	02/25/16	0.384	<0.0500	0.473	<0.0500	
MW - 2	06/02/16	Not Sampled due to PSH in Well				
MW - 2	09/12/16	Not Sampled due to PSH in Well				
MW - 2	12/02/16	2.97	<0.0400	0.177	0.142	<0.0400
MW - 3	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 4	02/25/16	Not Sampled on Current Sample Schedule				
MW - 4	06/02/16	<0.00100	0.0110	<0.00100	0.00150	
MW - 4	09/12/16	Not Sampled on Current Sample Schedule				
MW - 4	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 4	12/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 5	02/25/16	Not Sampled on Current Sample Schedule				
MW - 5	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	09/12/16	Not Sampled on Current Sample Schedule				
MW - 5	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 6	02/25/16	Not Sampled due to PSH in Well				
MW - 6	06/02/16	Not Sampled due to PSH in Well				
MW - 6	09/12/16	Not Sampled due to PSH in Well				
MW - 6	12/01/16	Not Sampled due to PSH in Well				
MW - 8	02/25/16	Not Sampled on Current Sample Schedule				
MW - 8	06/02/16	Not Sampled on Current Sample Schedule				
MW - 8	09/12/16	Not Sampled on Current Sample Schedule				
MW - 8	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 9	02/25/16	Not Sampled on Current Sample Schedule				
MW - 9	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	09/12/16	Not Sampled on Current Sample Schedule				
MW - 9	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 12	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	

TABLE 2

2016 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 13	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 14	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	12/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 15	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	09/12/16	<0.00100	<0.00100	0.00140	0.00270	
MW - 15	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 16	02/25/16	Not Sampled on Current Sample Schedule				
MW - 16	06/02/16	Not Sampled on Current Sample Schedule				
MW - 16	09/12/16	Not Sampled on Current Sample Schedule				
MW - 16	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 17	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
RW - 1	02/25/16	0.225	<0.00100	0.0380	<0.00100	
RW - 1	06/02/16	0.145	<0.00100	0.0106	0.00210	
RW - 1	09/12/16	0.120	<0.00100	0.0341	0.0229	
RW - 1	12/02/16	0.200	<0.00200	0.0121	0.0413	<0.00200
RW - 2	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100	
RW - 2	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
RW - 2	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100	
RW - 2	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	

TABLE 3

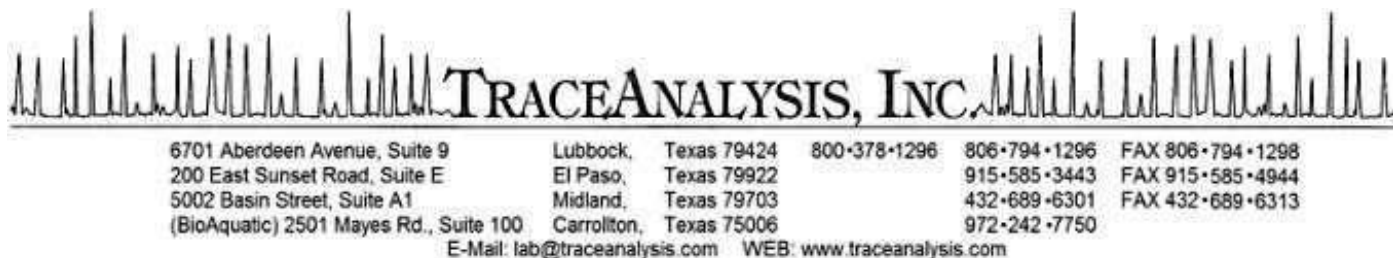
2016 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM HDO-90-23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---	
MW-2	12/02/16	0.00120	0.00230	0.00105	<0.000287	<0.000287	0.000394	<0.000287	<0.000287	0.00157	<0.000287	0.000628	<0.000287	<0.000287	<0.000287	0.000670	0.0125		<0.000287	
MW-3	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	12/01/16	Not Sampled due to the presence of PSH.																		
MW-8	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	12/01/16	Monitor Well Damaged, could not be sampled																		
MW-15	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
RW-1	12/02/16	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	1.44		<0.0146	
RW-2	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		

Laboratory Reports



Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Curt Stanley
TRC Solutions
2057 Commerce
Midland, Tx, 79703

Report Date: February 29, 2016

Work Order: 16022602



Project Name: HDO
Project Number: TNM-HDO 90-23

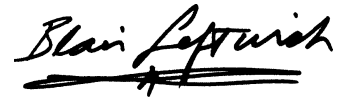
Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
415064	MW 12	water	2016-02-25	12:10	2016-02-26
415065	MW 13	water	2016-02-25	12:34	2016-02-26
415066	MW 14	water	2016-02-25	12:53	2016-02-26
415067	MW 15	water	2016-02-25	13:14	2016-02-26
415068	MW 17	water	2016-02-25	13:37	2016-02-26
415069	MW 3	water	2016-02-25	14:03	2016-02-26
415070	RW 2	water	2016-02-25	14:32	2016-02-26
415071	RW 1	water	2016-02-25	14:47	2016-02-26
415072	MW 2	water	2016-02-25	15:09	2016-02-26

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.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in black ink, reading "Blair Leftwich". The signature is written in a cursive style with a prominent horizontal line underneath the name.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Johnny Grindstaff, Operations Manager

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Case Narrative

Samples for project HDO were received by TraceAnalysis, Inc. on 2016-02-26 and assigned to work order 16022602. Samples for work order 16022602 were received intact at a temperature of 6.0 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	108792	2016-02-25 at 14:40	128506	2016-02-29 at 08:03

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 16022602 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: 415064 - MW 12

Laboratory: Midland
Analysis: BTEX
QC Batch: 128506
Prep Batch: 108792

Analytical Method: S 8021B
Date Analyzed: 2016-02-29
Sample Preparation: 2016-02-25

Prep Method: S 5030B
Analyzed By: AK
Prepared By: AK

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.105	mg/L	1	0.100	105	70 - 130
4-Bromofluorobenzene (4-BFB)			0.102	mg/L	1	0.100	102	70 - 130

Sample: 415065 - MW 13

Laboratory: Midland
Analysis: BTEX
QC Batch: 128506
Prep Batch: 108792

Analytical Method: S 8021B
Date Analyzed: 2016-02-29
Sample Preparation: 2016-02-25

Prep Method: S 5030B
Analyzed By: AK
Prepared By: AK

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0901	mg/L	1	0.100	90	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0874	mg/L	1	0.100	87	70 - 130

Report Date: February 29, 2016
TNM-HDO 90-23

Work Order: 16022602
HDO

Page Number: 6 of 15

Sample: 415066 - MW 14

Laboratory: Midland

Analysis: BTEX

QC Batch: 128506

Prep Batch: 108792

Analytical Method: S 8021B

Date Analyzed: 2016-02-29

Sample Preparation: 2016-02-25

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0924	mg/L	1	0.100	92	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0987	mg/L	1	0.100	99	70 - 130

Sample: 415067 - MW 15

Laboratory: Midland

Analysis: BTEX

QC Batch: 128506

Prep Batch: 108792

Analytical Method: S 8021B

Date Analyzed: 2016-02-29

Sample Preparation: 2016-02-25

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0901	mg/L	1	0.100	90	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0832	mg/L	1	0.100	83	70 - 130

Report Date: February 29, 2016
TNM-HDO 90-23

Work Order: 16022602
HDO

Page Number: 7 of 15

Sample: 415068 - MW 17

Laboratory: Midland

Analysis: BTEX

QC Batch: 128506

Prep Batch: 108792

Analytical Method: S 8021B

Date Analyzed: 2016-02-29

Sample Preparation: 2016-02-25

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0991	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)			0.103	mg/L	1	0.100	103	70 - 130

Sample: 415069 - MW 3

Laboratory: Midland

Analysis: BTEX

QC Batch: 128506

Prep Batch: 108792

Analytical Method: S 8021B

Date Analyzed: 2016-02-29

Sample Preparation: 2016-02-25

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0937	mg/L	1	0.100	94	70 - 130
4-Bromofluorobenzene (4-BFB)			0.104	mg/L	1	0.100	104	70 - 130

Report Date: February 29, 2016
TNM-HDO 90-23

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HDO

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Sample: 415070 - RW 2

Laboratory: Midland

Analysis: BTEX

QC Batch: 128506

Prep Batch: 108792

Analytical Method: S 8021B

Date Analyzed: 2016-02-29

Sample Preparation: 2016-02-25

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0911	mg/L	1	0.100	91	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0962	mg/L	1	0.100	96	70 - 130

Sample: 415071 - RW 1

Laboratory: Midland

Analysis: BTEX

QC Batch: 128506

Prep Batch: 108792

Analytical Method: S 8021B

Date Analyzed: 2016-02-29

Sample Preparation: 2016-02-25

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qr	1	0.225	mg/L	1	0.00100
Toluene	Qr,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qr	1	0.0380	mg/L	1	0.00100
Xylene	Qr,U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.101	mg/L	1	0.100	101	70 - 130
4-Bromofluorobenzene (4-BFB)			0.126	mg/L	1	0.100	126	70 - 130

Report Date: February 29, 2016
TNM-HDO 90-23

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HDO

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Sample: 415072 - MW 2

Laboratory: Midland

Analysis: BTEX

QC Batch: 128506

Prep Batch: 108792

Analytical Method: S 8021B

Date Analyzed: 2016-02-29

Sample Preparation: 2016-02-25

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qr	1	0.384	mg/L	50	0.00100
Toluene	Qr,U	1	<0.0500	mg/L	50	0.00100
Ethylbenzene	Qr	1	0.473	mg/L	50	0.00100
Xylene	Qr,U	1	<0.0500	mg/L	50	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			4.77	mg/L	50	5.00	95	70 - 130
4-Bromofluorobenzene (4-BFB)			5.23	mg/L	50	5.00	105	70 - 130

Method Blanks

Method Blank (1) QC Batch: 128506

QC Batch: 128506
Prep Batch: 108792

Date Analyzed: 2016-02-29
QC Preparation: 2016-02-25

Analyzed By: AK
Prepared By: AK

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000504	mg/L	0.001
Toluene		1	<0.000621	mg/L	0.001
Ethylbenzene		1	<0.000763	mg/L	0.001
Xylene		1	<0.000256	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0884	mg/L	1	0.100	88	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0777	mg/L	1	0.100	78	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 128506
Prep Batch: 108792

Date Analyzed: 2016-02-29
QC Preparation: 2016-02-25

Analyzed By: AK
Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0997	mg/L	1	0.100	<0.000504	100	70 - 130
Toluene		1	0.110	mg/L	1	0.100	<0.000621	110	70 - 130
Ethylbenzene		1	0.120	mg/L	1	0.100	<0.000763	120	70 - 130
Xylene		1	0.322	mg/L	1	0.300	<0.000256	107	70 - 130

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.101	mg/L	1	0.100	<0.000504	101	70 - 130	1	20
Toluene		1	0.112	mg/L	1	0.100	<0.000621	112	70 - 130	2	20
Ethylbenzene		1	0.122	mg/L	1	0.100	<0.000763	122	70 - 130	2	20
Xylene		1	0.330	mg/L	1	0.300	<0.000256	110	70 - 130	2	20

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

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0988	0.104	mg/L	1	0.100	99	104	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0992	0.0968	mg/L	1	0.100	99	97	70 - 130

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 414987

QC Batch: 128506
Prep Batch: 108792

Date Analyzed: 2016-02-29
QC Preparation: 2016-02-25

Analyzed By: AK
Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0766	mg/L	1	0.100	<0.000504	77	70 - 130
Toluene		1	0.0765	mg/L	1	0.100	<0.000621	76	70 - 130
Ethylbenzene		1	0.0804	mg/L	1	0.100	<0.000763	80	70 - 130
Xylene		1	0.231	mg/L	1	0.300	<0.000256	77	70 - 130

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

Param	F	C	MSD		Dil.	Spike	Matrix	Rec.	Rec.	RPD	RPD	
			Result	Units		Amount	Result		Limit		Limit	
Benzene	Q _r	Q _r	1	0.108	mg/L	1	0.100	<0.000504	108	70 - 130	34	20
Toluene	Q _r	Q _r	1	0.116	mg/L	1	0.100	<0.000621	116	70 - 130	41	20
Ethylbenzene	Q _r	Q _r	1	0.123	mg/L	1	0.100	<0.000763	123	70 - 130	42	20
Xylene	Q _r	Q _r	1	0.341	mg/L	1	0.300	<0.000256	114	70 - 130	38	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)	0.0908	0.0990	mg/L	1	0.1	91	99	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0992	0.0965	mg/L	1	0.1	99	96	70 - 130

Calibration Standards

Standard (CCV-2)

QC Batch: 128506

Date Analyzed: 2016-02-29

Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0969	97	80 - 120	2016-02-29
Toluene		1	mg/L	0.100	0.110	110	80 - 120	2016-02-29
Ethylbenzene		1	mg/L	0.100	0.115	115	80 - 120	2016-02-29
Xylene		1	mg/L	0.300	0.318	106	80 - 120	2016-02-29

Standard (CCV-3)

QC Batch: 128506

Date Analyzed: 2016-02-29

Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.101	101	80 - 120	2016-02-29
Toluene		1	mg/L	0.100	0.111	111	80 - 120	2016-02-29
Ethylbenzene		1	mg/L	0.100	0.116	116	80 - 120	2016-02-29
Xylene		1	mg/L	0.300	0.323	108	80 - 120	2016-02-29

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704392-14-8	Midland

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

Report Date: February 29, 2016
TNM-HDO 90-23

Work Order: 16022602
HDO

Page Number: 15 of 15

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

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email: lab@traceanalysis.com

Company Name: TRC Phone #: 432) 520-7720

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Contact Person: Curt Stanley E-mail:

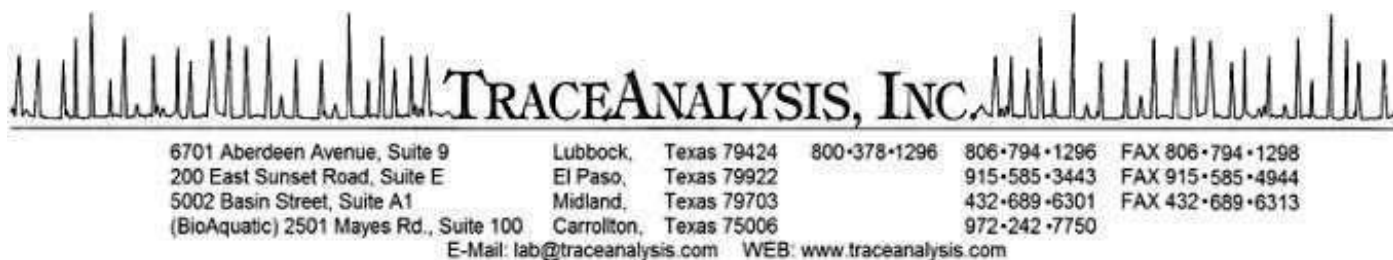
Invoice to: (If different from above) Plains

Project #: TJM-HDO-9023 Project Name: HDO

Project Location (including state): Midland Sampler Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD						SAMPLING		DATE	TIME
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE			
115064	MW 12	3	V04	X				X				X		2/25/16	1210	
1065	MW 13														1234	
066	MW 14														1253	
067	MW 15														1314	
068	MW 17														1337	
069	MW 3														1403	
070	RW 2														1432	
071	RW 1														1447	
072	MW 2														1509	

Relinquished by: <u>Manuel TRC</u> Company: <u>TRC</u> Date: <u>2/26/16</u> Time: <u>0843</u>	Received by: <u>[Signature]</u> Company: <u>TA</u> Date: <u>2/26/16</u> Time: <u>0943</u>	INST OBS COR	LAB USE ONLY	REMARKS:
Relinquished by: <u>Manuel TRC</u> Company: <u>TRC</u> Date: <u>2/26/16</u> Time: <u>0843</u>	Received by: <u>[Signature]</u> Company: <u>TA</u> Date: <u>2/26/16</u> Time: <u>0943</u>	INST OBS COR	LAB USE ONLY	REMARKS:
Relinquished by: <u>Manuel TRC</u> Company: <u>TRC</u> Date: <u>2/26/16</u> Time: <u>0843</u>	Received by: <u>[Signature]</u> Company: <u>TA</u> Date: <u>2/26/16</u> Time: <u>0943</u>	INST OBS COR	LAB USE ONLY	REMARKS:



Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Curt Stanley
TRC Solutions
2057 Commerce
Midland, Tx, 79703

Report Date: June 10, 2016

Work Order: 16060304



Project Name: HDO
Project Number: TNM-HDO 90-23

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
420616	MW 4	water	2016-06-02	14:45	2016-06-03
420617	MW 5	water	2016-06-02	12:02	2016-06-03
420618	MW 9	water	2016-06-02	12:20	2016-06-03
420619	MW 12	water	2016-06-02	12:42	2016-06-03
420620	MW 13	water	2016-06-02	13:10	2016-06-03
420621	MW 14	water	2016-06-02	13:31	2016-06-03
420622	MW 15	water	2016-06-02	14:15	2016-06-03
420623	MW 17	water	2016-06-02	14:50	2016-06-03
420624	MW 3	water	2016-06-02	15:25	2016-06-03
420625	RW 2	water	2016-06-02	15:46	2016-06-03
420626	RW 1	water	2016-06-02	16:01	2016-06-03

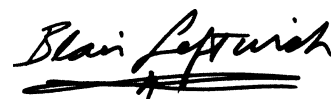
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

A handwritten signature in black ink that reads "Blair Leftwich". The signature is written in a cursive style with a horizontal line underneath.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Johnny Grindstaff, Operations Manager

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Case Narrative

Samples for project HDO were received by TraceAnalysis, Inc. on 2016-06-03 and assigned to work order 16060304. Samples for work order 16060304 were received intact at a temperature of 3.4 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	110612	2016-06-06 at 11:31	130604	2016-06-08 at 08:07
BTEX	S 8021B	110677	2016-06-08 at 10:38	130646	2016-06-09 at 10:52

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 16060304 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: 420616 - MW 4

Laboratory: Midland

Analysis: BTEX

QC Batch: 130604

Prep Batch: 110612

Analytical Method: S 8021B

Date Analyzed: 2016-06-08

Sample Preparation: 2016-06-06

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Benzene	Qr,U	1	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	Qr	1	0.0110	0.0110	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	Qr,U	1	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	Qr	1	0.00150	0.00150	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0910	mg/L	1	0.100	91	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0698	mg/L	1	0.100	70	70 - 130

Sample: 420617 - MW 5

Laboratory: Midland

Analysis: BTEX

QC Batch: 130604

Prep Batch: 110612

Analytical Method: S 8021B

Date Analyzed: 2016-06-08

Sample Preparation: 2016-06-06

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Benzene	Qr,U	1	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	Qr,U	1	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	Qr,U	1	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	Qr,U	1	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0936	mg/L	1	0.100	94	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0706	mg/L	1	0.100	71	70 - 130

Sample: 420618 - MW 9

Laboratory: Midland
Analysis: BTEX
QC Batch: 130646
Prep Batch: 110677

Analytical Method: S 8021B
Date Analyzed: 2016-06-09
Sample Preparation: 2016-06-08

Prep Method: S 5030B
Analyzed By: AK
Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	u	1	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	u	1	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	u	1	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	u	1	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0934	mg/L	1	0.100	93	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0739	mg/L	1	0.100	74	70 - 130

Sample: 420619 - MW 12

Laboratory: Midland
Analysis: BTEX
QC Batch: 130646
Prep Batch: 110677

Analytical Method: S 8021B
Date Analyzed: 2016-06-09
Sample Preparation: 2016-06-08

Prep Method: S 5030B
Analyzed By: AK
Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	u	1	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	u	1	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	u	1	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	u	1	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.101	mg/L	1	0.100	101	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0754	mg/L	1	0.100	75	70 - 130

Sample: 420620 - MW 13

Laboratory: Midland
Analysis: BTEX
QC Batch: 130604

Analytical Method: S 8021B
Date Analyzed: 2016-06-08

Prep Method: S 5030B
Analyzed By: AK

Report Date: June 10, 2016
TNM-HDO 90-23

Work Order: 16060304
HDO

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Prep Batch: 110612

Sample Preparation: 2016-06-06

Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	Q _{r,U}	1	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	Q _{r,U}	1	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	Q _{r,U}	1	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	Q _{r,U}	1	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0944	mg/L	1	0.100	94	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0725	mg/L	1	0.100	72	70 - 130

Sample: 420621 - MW 14

Laboratory: Midland

Analysis: BTEX

QC Batch: 130604

Prep Batch: 110612

Analytical Method: S 8021B

Date Analyzed: 2016-06-08

Sample Preparation: 2016-06-06

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	Q _{r,U}	1	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	Q _{r,U}	1	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	Q _{r,U}	1	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	Q _{r,U}	1	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0928	mg/L	1	0.100	93	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0803	mg/L	1	0.100	80	70 - 130

Sample: 420622 - MW 15

Laboratory: Midland

Analysis: BTEX

QC Batch: 130604

Prep Batch: 110612

Analytical Method: S 8021B

Date Analyzed: 2016-06-08

Sample Preparation: 2016-06-06

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Benzene	Q _{r,U}	1	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	Q _{r,U}	1	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	Q _{r,U}	1	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	Q _{r,U}	1	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0967	mg/L	1	0.100	97	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0792	mg/L	1	0.100	79	70 - 130

Sample: 420623 - MW 17

Laboratory: Midland
Analysis: BTEX
QC Batch: 130604
Prep Batch: 110612

Analytical Method: S 8021B
Date Analyzed: 2016-06-08
Sample Preparation: 2016-06-06

Prep Method: S 5030B
Analyzed By: AK
Prepared By: AK

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Benzene	Q _{r,U}	1	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	Q _{r,U}	1	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	Q _{r,U}	1	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	Q _{r,U}	1	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0969	mg/L	1	0.100	97	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0788	mg/L	1	0.100	79	70 - 130

Sample: 420624 - MW 3

Laboratory: Midland
Analysis: BTEX
QC Batch: 130604
Prep Batch: 110612

Analytical Method: S 8021B
Date Analyzed: 2016-06-08
Sample Preparation: 2016-06-06

Prep Method: S 5030B
Analyzed By: AK
Prepared By: AK

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Benzene	Q _{r,U}	1	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504

continued ...

sample 420624 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Toluene	Q _{r,U}	1	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	Q _{r,U}	1	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	Q _{r,U}	1	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.100	mg/L	1	0.100	100	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0851	mg/L	1	0.100	85	70 - 130

Sample: 420625 - RW 2

Laboratory: Midland
Analysis: BTEX
QC Batch: 130604
Prep Batch: 110612

Analytical Method: S 8021B
Date Analyzed: 2016-06-08
Sample Preparation: 2016-06-06

Prep Method: S 5030B
Analyzed By: AK
Prepared By: AK

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Benzene	Q _{r,U}	1	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	Q _{r,U}	1	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	Q _{r,U}	1	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	Q _{r,U}	1	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0981	mg/L	1	0.100	98	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0825	mg/L	1	0.100	82	70 - 130

Sample: 420626 - RW 1

Laboratory: Midland
Analysis: BTEX
QC Batch: 130604
Prep Batch: 110612

Analytical Method: S 8021B
Date Analyzed: 2016-06-08
Sample Preparation: 2016-06-06

Prep Method: S 5030B
Analyzed By: AK
Prepared By: AK

continued ...

sample 420626 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
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Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Benzene	Q _r	1	0.145	0.145	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	Q _{r,U}	1	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	Q _r	1	0.0106	0.0106	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	Q _r	1	0.00210	0.00210	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0938	mg/L	1	0.100	94	70 - 130
4-Bromofluorobenzene (4-BFB)			0.119	mg/L	1	0.100	119	70 - 130

Method Blanks

Method Blank (1)

QC Batch: 130604
Prep Batch: 110612

Date Analyzed: 2016-06-08
QC Preparation: 2016-06-06

Analyzed By: AK
Prepared By: AK

Parameter	F	C	Result	Units	Reporting Limits
Benzene		1	<0.000504	mg/L	0.000504
Toluene		1	<0.000621	mg/L	0.000621
Ethylbenzene		1	<0.000763	mg/L	0.000763
Xylene		1	<0.000256	mg/L	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0929	mg/L	1	0.100	93	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0696	mg/L	1	0.100	70	70 - 130

Method Blank (1)

QC Batch: 130646
Prep Batch: 110677

Date Analyzed: 2016-06-09
QC Preparation: 2016-06-08

Analyzed By: AK
Prepared By: AK

Parameter	F	C	Result	Units	Reporting Limits
Benzene		1	<0.000504	mg/L	0.000504
Toluene		1	<0.000621	mg/L	0.000621
Ethylbenzene		1	<0.000763	mg/L	0.000763
Xylene		1	<0.000256	mg/L	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0978	mg/L	1	0.100	98	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0812	mg/L	1	0.100	81	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 130604
Prep Batch: 110612

Date Analyzed: 2016-06-08
QC Preparation: 2016-06-06

Analyzed By: AK
Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0995	mg/L	1	0.100	<0.000504	100	70 - 130
Toluene		1	0.102	mg/L	1	0.100	<0.000621	102	70 - 130
Ethylbenzene		1	0.102	mg/L	1	0.100	<0.000763	102	70 - 130
Xylene		1	0.305	mg/L	1	0.300	<0.000256	102	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.0989	mg/L	1	0.100	<0.000504	99	70 - 130	1	20
Toluene		1	0.101	mg/L	1	0.100	<0.000621	101	70 - 130	1	20
Ethylbenzene		1	0.102	mg/L	1	0.100	<0.000763	102	70 - 130	0	20
Xylene		1	0.303	mg/L	1	0.300	<0.000256	101	70 - 130	1	20

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

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)			0.0936	0.0930	mg/L	1	0.100	94	93	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0970	0.0967	mg/L	1	0.100	97	97	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 130646
Prep Batch: 110677

Date Analyzed: 2016-06-09
QC Preparation: 2016-06-08

Analyzed By: AK
Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.102	mg/L	1	0.100	<0.000504	102	70 - 130
Toluene		1	0.105	mg/L	1	0.100	<0.000621	105	70 - 130
Ethylbenzene		1	0.106	mg/L	1	0.100	<0.000763	106	70 - 130
Xylene		1	0.316	mg/L	1	0.300	<0.000256	105	70 - 130

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

continued ...

control spikes continued ...

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.103	mg/L	1	0.100	<0.000504	103	70 - 130	1	20
Toluene		1	0.106	mg/L	1	0.100	<0.000621	106	70 - 130	1	20
Ethylbenzene		1	0.108	mg/L	1	0.100	<0.000763	108	70 - 130	2	20
Xylene		1	0.319	mg/L	1	0.300	<0.000256	106	70 - 130	1	20

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

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)			0.0980	0.0976	mg/L	1	0.100	98	98	70 - 130
4-Bromofluorobenzene (4-BFB)			0.104	0.105	mg/L	1	0.100	104	105	70 - 130

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 420611

QC Batch: 130604
Prep Batch: 110612

Date Analyzed: 2016-06-08
QC Preparation: 2016-06-06

Analyzed By: AK
Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0723	mg/L	1	0.100	<0.000504	72	70 - 130
Toluene		1	0.0776	mg/L	1	0.100	0.0053	72	70 - 130
Ethylbenzene		1	0.0723	mg/L	1	0.100	0.002	70	70 - 130
Xylene	Qs	1	0.219	mg/L	1	0.300	0.0111	69	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	Qr	1	0.102	mg/L	1	0.100	<0.000504	102	70 - 130	34	20
Toluene	Qr	1	0.106	mg/L	1	0.100	0.0053	101	70 - 130	31	20
Ethylbenzene	Qr	1	0.104	mg/L	1	0.100	0.002	102	70 - 130	36	20
Xylene	Qr	1	0.314	mg/L	1	0.300	0.0111	101	70 - 130	36	20

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

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)			0.0948	0.0942	mg/L	1	0.1	95	94	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0932	0.0963	mg/L	1	0.1	93	96	70 - 130

Matrix Spike (MS-1) Spiked Sample: 420789

QC Batch: 130646
Prep Batch: 110677

Date Analyzed: 2016-06-09
QC Preparation: 2016-06-08

Analyzed By: AK
Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.105	mg/L	1	0.100	<0.000504	105	70 - 130
Toluene		1	0.108	mg/L	1	0.100	<0.000621	108	70 - 130
Ethylbenzene		1	0.107	mg/L	1	0.100	<0.000763	107	70 - 130
Xylene		1	0.318	mg/L	1	0.300	<0.000256	106	70 - 130

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

continued ...

matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.101	mg/L	1	0.100	<0.000504	101	70 - 130	4	20
Toluene		1	0.104	mg/L	1	0.100	<0.000621	104	70 - 130	4	20
Ethylbenzene		1	0.105	mg/L	1	0.100	<0.000763	105	70 - 130	2	20
Xylene		1	0.315	mg/L	1	0.300	<0.000256	105	70 - 130	1	20

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

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)			0.0970	0.0976	mg/L	1	0.1	97	98	70 - 130
4-Bromofluorobenzene (4-BFB)			0.102	0.101	mg/L	1	0.1	102	101	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 130604

Date Analyzed: 2016-06-08

Analyzed By: AK

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.101	101	80 - 120	2016-06-08
Toluene		1	mg/L	0.100	0.103	103	80 - 120	2016-06-08
Ethylbenzene		1	mg/L	0.100	0.103	103	80 - 120	2016-06-08
Xylene		1	mg/L	0.300	0.302	101	80 - 120	2016-06-08

Standard (CCV-2)

QC Batch: 130604

Date Analyzed: 2016-06-08

Analyzed By: AK

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0993	99	80 - 120	2016-06-08
Toluene		1	mg/L	0.100	0.102	102	80 - 120	2016-06-08
Ethylbenzene		1	mg/L	0.100	0.100	100	80 - 120	2016-06-08
Xylene		1	mg/L	0.300	0.300	100	80 - 120	2016-06-08

Standard (CCV-3)

QC Batch: 130604

Date Analyzed: 2016-06-08

Analyzed By: AK

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.103	103	80 - 120	2016-06-08
Toluene		1	mg/L	0.100	0.106	106	80 - 120	2016-06-08
Ethylbenzene		1	mg/L	0.100	0.107	107	80 - 120	2016-06-08
Xylene		1	mg/L	0.300	0.312	104	80 - 120	2016-06-08

Standard (CCV-1)

QC Batch: 130646

Date Analyzed: 2016-06-09

Analyzed By: AK

Report Date: June 10, 2016
TNM-HDO 90-23

Work Order: 16060304
HDO

Page Number: 17 of 19

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.102	102	80 - 120	2016-06-09
Toluene		1	mg/L	0.100	0.104	104	80 - 120	2016-06-09
Ethylbenzene		1	mg/L	0.100	0.101	101	80 - 120	2016-06-09
Xylene		1	mg/L	0.300	0.301	100	80 - 120	2016-06-09

Standard (CCV-2)

QC Batch: 130646

Date Analyzed: 2016-06-09

Analyzed By: AK

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.103	103	80 - 120	2016-06-09
Toluene		1	mg/L	0.100	0.106	106	80 - 120	2016-06-09
Ethylbenzene		1	mg/L	0.100	0.105	105	80 - 120	2016-06-09
Xylene		1	mg/L	0.300	0.312	104	80 - 120	2016-06-09

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
BTEX	S 8021B	water	BTEX-2	Benzene	0.000768	Pass
BTEX	S 8021B	water	BTEX-2	Toluene	0.000768	Pass
BTEX	S 8021B	water	BTEX-2	Ethylbenzene	0.000768	Pass
BTEX	S 8021B	water	BTEX-2	Xylene	0.000768	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704392-14-8	Midland

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.



TRACEANALYSIS, INC.

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200 East Sunset Road, Suite E	El Paso, Texas 79922		915-585-3443	FAX 915-585-4944
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(BioAquatic) 2501 Mayes Rd., Suite 100	Carrollton, Texas 75006		972-242-7750	
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com				

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Curt Stanley
TRC Solutions
2057 Commerce
Midland, Tx, 79703

Report Date: September 15, 2016

Work Order: 16091301



Project Name: HDO
Project Number: TNM-HDO 90-23

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
428000	MW 12	water	2016-09-12	12:21	2016-09-13
428001	MW 13	water	2016-09-12	12:38	2016-09-13
428002	MW 14	water	2016-09-12	13:07	2016-09-13
428003	MW 15	water	2016-09-12	13:27	2016-09-13
428004	MW 17	water	2016-09-12	14:01	2016-09-13
428005	MW 3	water	2016-09-12	14:43	2016-09-13
428006	RW 2	water	2016-09-12	15:10	2016-09-13
428007	RW 1	water	2016-09-12	15:30	2016-09-13

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. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.



Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Johnny Grindstaff, Operations Manager

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Case Narrative

Samples for project HDO were received by TraceAnalysis, Inc. on 2016-09-13 and assigned to work order 16091301. Samples for work order 16091301 were received intact at a temperature of 5.8 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	112518	2016-09-14 at 13:00	132753	2016-09-15 at 07:32

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 16091301 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: 428000 - MW 12

Laboratory: Midland

Analysis: BTEX

QC Batch: 132753

Prep Batch: 112518

Analytical Method: S 8021B

Date Analyzed: 2016-09-15

Sample Preparation: 2016-09-14

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	4	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	U	4	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	U	4	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	U	4	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0964	mg/L	1	0.100	96	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0876	mg/L	1	0.100	88	70 - 130

Sample: 428001 - MW 13

Laboratory: Midland

Analysis: BTEX

QC Batch: 132753

Prep Batch: 112518

Analytical Method: S 8021B

Date Analyzed: 2016-09-15

Sample Preparation: 2016-09-14

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	4	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	U	4	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	U	4	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	U	4	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0990	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0878	mg/L	1	0.100	88	70 - 130

Sample: 428002 - MW 14

Laboratory: Midland
Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 132753 Date Analyzed: 2016-09-15 Analyzed By: AK
Prep Batch: 112518 Sample Preparation: 2016-09-14 Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	u	4	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	u	4	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	u	4	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	u	4	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0951	mg/L	1	0.100	95	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0861	mg/L	1	0.100	86	70 - 130

Sample: 428003 - MW 15

Laboratory: Midland
Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 132753 Date Analyzed: 2016-09-15 Analyzed By: AK
Prep Batch: 112518 Sample Preparation: 2016-09-14 Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	u	4	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	u	4	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene		4	0.00140	0.00140	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene		4	0.00270	0.00270	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0947	mg/L	1	0.100	95	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0871	mg/L	1	0.100	87	70 - 130

Sample: 428004 - MW 17

Laboratory: Midland
Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 132753 Date Analyzed: 2016-09-15 Analyzed By: AK

Report Date: September 15, 2016
TNM-HDO 90-23

Work Order: 16091301
HDO

Page Number: 7 of 15

Prep Batch: 112518

Sample Preparation: 2016-09-14

Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	4	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	U	4	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	U	4	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	U	4	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0962	mg/L	1	0.100	96	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0848	mg/L	1	0.100	85	70 - 130

Sample: 428005 - MW 3

Laboratory: Midland

Analysis: BTEX

QC Batch: 132753

Prep Batch: 112518

Analytical Method: S 8021B

Date Analyzed: 2016-09-15

Sample Preparation: 2016-09-14

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	4	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	U	4	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	U	4	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	U	4	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0909	mg/L	1	0.100	91	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0824	mg/L	1	0.100	82	70 - 130

Sample: 428006 - RW 2

Laboratory: Midland

Analysis: BTEX

QC Batch: 132753

Prep Batch: 112518

Analytical Method: S 8021B

Date Analyzed: 2016-09-15

Sample Preparation: 2016-09-14

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	ML Based Result	Method Blank Result	Units	Dilution	SDL	ML (Unadjusted)	MDL (Unadjusted)
Benzene	U	4	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	U	4	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	U	4	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	U	4	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0902	mg/L	1	0.100	90	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0828	mg/L	1	0.100	83	70 - 130

Sample: 428007 - RW 1

Laboratory: Midland
Analysis: BTEX
QC Batch: 132753
Prep Batch: 112518

Analytical Method: S 8021B
Date Analyzed: 2016-09-15
Sample Preparation: 2016-09-14

Prep Method: S 5030B
Analyzed By: AK
Prepared By: AK

Parameter	F	C	SDL Based Result	ML Based Result	Method Blank Result	Units	Dilution	SDL	ML (Unadjusted)	MDL (Unadjusted)
Benzene		4	0.120	0.120	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	U	4	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene		4	0.0341	0.0341	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene		4	0.0229	0.0229	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0908	mg/L	1	0.100	91	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0891	mg/L	1	0.100	89	70 - 130

Method Blanks

Method Blank (1)

QC Batch: 132753
Prep Batch: 112518

Date Analyzed: 2016-09-15
QC Preparation: 2016-09-14

Analyzed By: AK
Prepared By: AK

Parameter	F	C	Result	Units	Reporting Limits
Benzene		4	<0.000504	mg/L	0.000504
Toluene		4	<0.000621	mg/L	0.000621
Ethylbenzene		4	<0.000763	mg/L	0.000763
Xylene		4	<0.000256	mg/L	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0990	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0882	mg/L	1	0.100	88	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 132753
Prep Batch: 112518

Date Analyzed: 2016-09-15
QC Preparation: 2016-09-14

Analyzed By: AK
Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		4	0.0913	mg/L	1.06	0.100	<0.000534	91	70 - 130
Toluene		4	0.0928	mg/L	1.06	0.100	<0.000658	93	70 - 130
Ethylbenzene		4	0.101	mg/L	1.06	0.100	<0.000809	101	70 - 130
Xylene		4	0.306	mg/L	1.06	0.300	<0.000271	102	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		4	0.0918	mg/L	1.06	0.100	<0.000534	92	70 - 130	0	20
Toluene		4	0.0945	mg/L	1.06	0.100	<0.000658	94	70 - 130	2	20
Ethylbenzene		4	0.102	mg/L	1.06	0.100	<0.000809	102	70 - 130	1	20
Xylene		4	0.312	mg/L	1.06	0.300	<0.000271	104	70 - 130	2	20

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

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)			0.0995	0.101	mg/L	1.06	0.100	100	101	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0939	0.0953	mg/L	1.06	0.100	94	95	70 - 130

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 427998

QC Batch: 132753
Prep Batch: 112518

Date Analyzed: 2016-09-15
QC Preparation: 2016-09-14

Analyzed By: AK
Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		4	0.0918	mg/L	1.06	0.100	<0.000534	92	70 - 130
Toluene		4	0.0940	mg/L	1.06	0.100	<0.000658	94	70 - 130
Ethylbenzene		4	0.0965	mg/L	1.06	0.100	<0.000809	96	70 - 130
Xylene		4	0.289	mg/L	1.06	0.300	<0.000271	96	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		4	0.0938	mg/L	1.06	0.100	<0.000534	94	70 - 130	2	20
Toluene		4	0.0966	mg/L	1.06	0.100	<0.000658	97	70 - 130	3	20
Ethylbenzene		4	0.102	mg/L	1.06	0.100	<0.000809	102	70 - 130	6	20
Xylene		4	0.309	mg/L	1.06	0.300	<0.000271	103	70 - 130	7	20

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

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)			0.104	0.104	mg/L	1.06	0.1	104	104	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0962	0.0958	mg/L	1.06	0.1	96	96	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 132753

Date Analyzed: 2016-09-15

Analyzed By: AK

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		4	mg/L	0.100	0.0905	90	80 - 120	2016-09-15
Toluene		4	mg/L	0.100	0.0928	93	80 - 120	2016-09-15
Ethylbenzene		4	mg/L	0.100	0.0962	96	80 - 120	2016-09-15
Xylene		4	mg/L	0.300	0.288	96	80 - 120	2016-09-15

Standard (CCV-2)

QC Batch: 132753

Date Analyzed: 2016-09-15

Analyzed By: AK

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		4	mg/L	0.100	0.0908	91	80 - 120	2016-09-15
Toluene		4	mg/L	0.100	0.0916	92	80 - 120	2016-09-15
Ethylbenzene		4	mg/L	0.100	0.0943	94	80 - 120	2016-09-15
Xylene		4	mg/L	0.300	0.283	94	80 - 120	2016-09-15

Standard (CCV-3)

QC Batch: 132753

Date Analyzed: 2016-09-15

Analyzed By: AK

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		4	mg/L	0.100	0.0873	87	80 - 120	2016-09-15
Toluene		4	mg/L	0.100	0.0877	88	80 - 120	2016-09-15
Ethylbenzene		4	mg/L	0.100	0.0914	91	80 - 120	2016-09-15
Xylene		4	mg/L	0.300	0.275	92	80 - 120	2016-09-15

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
BTEX	S 8021B	water	BTEX-2	Benzene	0.000768	Pass
BTEX	S 8021B	water	BTEX-2	Toluene	0.000768	Pass
BTEX	S 8021B	water	BTEX-2	Ethylbenzene	0.000768	Pass
BTEX	S 8021B	water	BTEX-2	Xylene	0.000768	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418	Lubbock
2	Kansas	Kansas E-10317	Lubbock
3	NELAP	T104704219-16-12	Lubbock
4	NELAP	T104704392-14-8	Midland
5		2015-066	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.



Certificate of Analysis Summary 541343

TRC Solutions, Inc, Midland, TX

Project Name: HDO-90-23



Project Id: SRS#TNM-HDO-90-23

Contact: Curt Stanley

Project Location: Eunice NM

Date Received in Lab: Fri Dec-02-16 04:30 pm

Report Date: 09-DEC-16

Project Manager: Alex Montoya

Analysis Requested	Lab Id:	541343-001	541343-002	541343-003	541343-004	541343-005	541343-006
	Field Id:	MW 16	MW 8	MW 4	MW 5	MW 9	MW 12
	Depth:						
	Matrix:	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
	Sampled:	Dec-01-16 12:45	Dec-01-16 13:00	Dec-01-16 13:15	Dec-01-16 13:30	Dec-01-16 13:45	Dec-01-16 14:00
BTEX by EPA 8021B	Extracted:	Dec-06-16 15:40	Dec-06-16 15:40	Dec-07-16 12:00	Dec-06-16 15:40	Dec-06-16 15:40	Dec-06-16 15:40
	Analyzed:	Dec-07-16 01:23	Dec-07-16 01:07	Dec-08-16 02:42	Dec-06-16 22:08	Dec-06-16 21:52	Dec-06-16 23:46
	Units/RL:	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
Benzene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200
Toluene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200
m_p-Xylenes		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200
o-Xylene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200
Total Xylenes		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200
Total BTEX		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Kelsey Brooks
Project Manager



Certificate of Analysis Summary 541343

TRC Solutions, Inc, Midland, TX

Project Name: HDO-90-23



Project Id: SRS#TNM-HDO-90-23

Contact: Curt Stanley

Project Location: Eunice NM

Date Received in Lab: Fri Dec-02-16 04:30 pm

Report Date: 09-DEC-16

Project Manager: Alex Montoya

Analysis Requested	Lab Id:	541343-007	541343-008	541343-009	541343-010	541343-011	541343-012
	Field Id:	MW 13	MW 15	MW 17	MW 3	RW 2	RW 1
	Depth:						
	Matrix:	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
	Sampled:	Dec-01-16 14:45	Dec-01-16 15:00	Dec-01-16 15:35	Dec-01-16 15:50	Dec-01-16 16:10	Dec-02-16 11:00
BTEX by EPA 8021B	Extracted:	Dec-06-16 15:40	Dec-06-16 15:40	Dec-06-16 15:40	Dec-06-16 15:40	Dec-06-16 15:40	Dec-06-16 15:40
	Analyzed:	Dec-06-16 22:41	Dec-06-16 22:57	Dec-06-16 23:13	Dec-07-16 02:44	Dec-06-16 23:29	Dec-07-16 03:00
	Units/RL:	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
Benzene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	0.200 0.00200
Toluene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	0.0121 0.00200
m_p-Xylenes		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	0.0413 0.00200
o-Xylene		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200
Total Xylenes		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	0.0413 0.00200
Total BTEX		<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	0.253 0.00200

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Kelsey Brooks
Project Manager



Certificate of Analysis Summary 541343

TRC Solutions, Inc, Midland, TX

Project Name: HDO-90-23



Project Id: SRS#TNM-HDO-90-23

Contact: Curt Stanley

Project Location: Eunice NM

Date Received in Lab: Fri Dec-02-16 04:30 pm

Report Date: 09-DEC-16

Project Manager: Alex Montoya

Analysis Requested	Lab Id:	541343-007	541343-008	541343-009	541343-010	541343-011	541343-012
	Field Id:	MW 13	MW 15	MW 17	MW 3	RW 2	RW 1
	Depth:						
	Matrix:	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
	Sampled:	Dec-01-16 14:45	Dec-01-16 15:00	Dec-01-16 15:35	Dec-01-16 15:50	Dec-01-16 16:10	Dec-02-16 11:00
PAHs by 8270C SIM SUB: TX104704295	Extracted:						Dec-06-16 11:33
	Analyzed:						Dec-08-16 01:49
	Units/RL:						mg/L RL
Acenaphthene							<0.0146 0.0146
Acenaphthylene							<0.0146 0.0146
Anthracene							<0.0146 0.0146
Benzo(a)anthracene							<0.0146 0.0146
Benzo(a)pyrene							<0.0146 0.0146
Benzo(b)fluoranthene							<0.0146 0.0146
Benzo(g,h,i)perylene							<0.0146 0.0146
Benzo(k)fluoranthene							<0.0146 0.0146
Chrysene							<0.0146 0.0146
Dibenz(a,h)anthracene							<0.0146 0.0146
Dibenzofuran							<0.0146 0.0146
Fluoranthene							<0.0146 0.0146
Fluorene							<0.0146 0.0146
Indeno(1,2,3-c,d)Pyrene							<0.0146 0.0146
Naphthalene							1.44 0.0146
Phenanthrene							<0.0146 0.0146
Pyrene							<0.0146 0.0146

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Kelsey Brooks
Project Manager



Certificate of Analysis Summary 541343

TRC Solutions, Inc, Midland, TX

Project Name: HDO-90-23



Project Id: SRS#TNM-HDO-90-23

Contact: Curt Stanley

Project Location: Eunice NM

Date Received in Lab: Fri Dec-02-16 04:30 pm

Report Date: 09-DEC-16

Project Manager: Alex Montoya

Analysis Requested	Lab Id:	541343-013						
	Field Id:	MW 2						
	Depth:							
	Matrix:	GROUND WATER						
	Sampled:	Dec-02-16 11:15						
BTEX by EPA 8021B	Extracted:	Dec-07-16 08:15						
	Analyzed:	Dec-07-16 16:39						
	Units/RL:	mg/L	RL					
Benzene		2.97	0.0400					
Toluene		<0.0400	0.0400					
Ethylbenzene		0.177	0.0400					
m_p-Xylenes		0.142	0.0400					
o-Xylene		<0.0400	0.0400					
Total Xylenes		0.142	0.0400					
Total BTEX		3.29	0.0400					

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Kelsey Brooks
Project Manager



Certificate of Analysis Summary 541343

TRC Solutions, Inc, Midland, TX

Project Name: HDO-90-23



Project Id: SRS#TNM-HDO-90-23

Contact: Curt Stanley

Project Location: Eunice NM

Date Received in Lab: Fri Dec-02-16 04:30 pm

Report Date: 09-DEC-16

Project Manager: Alex Montoya

Analysis Requested	Lab Id:	541343-013					
	Field Id:	MW 2					
	Depth:						
	Matrix:	GROUND WATER					
	Sampled:	Dec-02-16 11:15					
PAHs by 8270C SIM SUB: TX104704295	Extracted:	Dec-06-16 11:33					
	Analyzed:	Dec-09-16 04:14					
	Units/RL:	mg/L RL					
Acenaphthene		0.00120 0.000287					
Acenaphthylene		0.00230 0.000287					
Anthracene		0.00105 0.000287					
Benzo(a)anthracene		<0.000287 0.000287					
Benzo(a)pyrene		<0.000287 0.000287					
Benzo(b)fluoranthene		0.000394 0.000287					
Benzo(g,h,i)perylene		<0.000287 0.000287					
Benzo(k)fluoranthene		<0.000287 0.000287					
Chrysene		0.00157 0.000287					
Dibenz(a,h)anthracene		<0.000287 0.000287					
Dibenzofuran		<0.000287 0.000287					
Fluoranthene		0.000628 0.000287					
Fluorene		<0.000287 0.000287					
Indeno(1,2,3-c,d)Pyrene		<0.000287 0.000287					
Naphthalene		0.0125 0.000287					
Phenanthrene		<0.000287 0.000287					
Pyrene		0.000670 0.000287					

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Kelsey Brooks
Project Manager

Analytical Report 541343

for
TRC Solutions, Inc

Project Manager: Curt Stanley

HDO-90-23

SRS#TNM-HDO-90-23

09-DEC-16

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



09-DEC-16

Project Manager: **Curt Stanley**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **541343**
HDO-90-23
Project Address: Eunice NM

Curt Stanley:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 541343. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 541343 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks

Project Manager

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Sample Cross Reference 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW 16	W	12-01-16 12:45		541343-001
MW 8	W	12-01-16 13:00		541343-002
MW 4	W	12-01-16 13:15		541343-003
MW 5	W	12-01-16 13:30		541343-004
MW 9	W	12-01-16 13:45		541343-005
MW 12	W	12-01-16 14:00		541343-006
MW 13	W	12-01-16 14:45		541343-007
MW 15	W	12-01-16 15:00		541343-008
MW 17	W	12-01-16 15:35		541343-009
MW 3	W	12-01-16 15:50		541343-010
RW 2	W	12-01-16 16:10		541343-011
RW 1	W	12-02-16 11:00		541343-012
MW 2	W	12-02-16 11:15		541343-013



CASE NARRATIVE



Client Name: TRC Solutions, Inc

Project Name: HDO-90-23

Project ID: SRS#TNM-HDO-90-23
Work Order Number(s): 541343

Report Date: 09-DEC-16
Date Received: 12/02/2016

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3005237 PAHs by 8270C SIM

Surrogate Nitrobenzene-d5 recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 541289-012 D,541343-012.

Surrogate Terphenyl-D14 recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 541289-012 D,541343-013.

Surrogate 2-Fluorobiphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 541289-012 D,541343-013,541343-012.



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **MW 16**
Lab Sample Id: 541343-001

Matrix: Ground Water
Date Collected: 12.01.16 12.45

Date Received: 12.02.16 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.06.16 15.40

Seq Number: 3005166

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/L	12.07.16 01.23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/L	12.07.16 01.23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/L	12.07.16 01.23	U	1
m_p-Xylenes	179601-23-1	<0.00200	0.00200	mg/L	12.07.16 01.23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/L	12.07.16 01.23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/L	12.07.16 01.23	U	1
Total BTEX		<0.00200	0.00200	mg/L	12.07.16 01.23	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	101	%	80-120	12.07.16 01.23		
4-Bromofluorobenzene	460-00-4	97	%	80-120	12.07.16 01.23		



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **MW 8**
Lab Sample Id: 541343-002

Matrix: Ground Water
Date Collected: 12.01.16 13.00

Date Received: 12.02.16 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.06.16 15.40

Seq Number: 3005166

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/L	12.07.16 01.07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/L	12.07.16 01.07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/L	12.07.16 01.07	U	1
m_p-Xylenes	179601-23-1	<0.00200	0.00200	mg/L	12.07.16 01.07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/L	12.07.16 01.07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/L	12.07.16 01.07	U	1
Total BTEX		<0.00200	0.00200	mg/L	12.07.16 01.07	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	106	%	80-120	12.07.16 01.07		
4-Bromofluorobenzene	460-00-4	103	%	80-120	12.07.16 01.07		



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **MW 4**
Lab Sample Id: 541343-003

Matrix: Ground Water
Date Collected: 12.01.16 13.15

Date Received: 12.02.16 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.07.16 12.00

Seq Number: 3005230

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/L	12.08.16 02.42	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/L	12.08.16 02.42	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/L	12.08.16 02.42	U	1
m_p-Xylenes	179601-23-1	<0.00200	0.00200	mg/L	12.08.16 02.42	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/L	12.08.16 02.42	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/L	12.08.16 02.42	U	1
Total BTEX		<0.00200	0.00200	mg/L	12.08.16 02.42	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	90	%	80-120	12.08.16 02.42		
4-Bromofluorobenzene	460-00-4	103	%	80-120	12.08.16 02.42		



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **MW 5**
Lab Sample Id: 541343-004

Matrix: Ground Water
Date Collected: 12.01.16 13.30

Date Received: 12.02.16 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.06.16 15.40

Seq Number: 3005166

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/L	12.06.16 22.08	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/L	12.06.16 22.08	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/L	12.06.16 22.08	U	1
m_p-Xylenes	179601-23-1	<0.00200	0.00200	mg/L	12.06.16 22.08	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/L	12.06.16 22.08	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/L	12.06.16 22.08	U	1
Total BTEX		<0.00200	0.00200	mg/L	12.06.16 22.08	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	97	%	80-120	12.06.16 22.08		
4-Bromofluorobenzene	460-00-4	83	%	80-120	12.06.16 22.08		



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **MW 9**
Lab Sample Id: 541343-005

Matrix: Ground Water
Date Collected: 12.01.16 13.45

Date Received: 12.02.16 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.06.16 15.40

Seq Number: 3005166

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/L	12.06.16 21.52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/L	12.06.16 21.52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/L	12.06.16 21.52	U	1
m_p-Xylenes	179601-23-1	<0.00200	0.00200	mg/L	12.06.16 21.52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/L	12.06.16 21.52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/L	12.06.16 21.52	U	1
Total BTEX		<0.00200	0.00200	mg/L	12.06.16 21.52	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	102	%	80-120	12.06.16 21.52		
4-Bromofluorobenzene	460-00-4	103	%	80-120	12.06.16 21.52		



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **MW 12**
Lab Sample Id: 541343-006

Matrix: Ground Water
Date Collected: 12.01.16 14.00

Date Received: 12.02.16 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.06.16 15.40

Seq Number: 3005166

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/L	12.06.16 23.46	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/L	12.06.16 23.46	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/L	12.06.16 23.46	U	1
m_p-Xylenes	179601-23-1	<0.00200	0.00200	mg/L	12.06.16 23.46	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/L	12.06.16 23.46	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/L	12.06.16 23.46	U	1
Total BTEX		<0.00200	0.00200	mg/L	12.06.16 23.46	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	107	%	80-120	12.06.16 23.46		
4-Bromofluorobenzene	460-00-4	106	%	80-120	12.06.16 23.46		



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **MW 13**
Lab Sample Id: 541343-007

Matrix: Ground Water
Date Collected: 12.01.16 14.45

Date Received: 12.02.16 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.06.16 15.40

Seq Number: 3005166

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/L	12.06.16 22.41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/L	12.06.16 22.41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/L	12.06.16 22.41	U	1
m_p-Xylenes	179601-23-1	<0.00200	0.00200	mg/L	12.06.16 22.41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/L	12.06.16 22.41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/L	12.06.16 22.41	U	1
Total BTEX		<0.00200	0.00200	mg/L	12.06.16 22.41	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	96	%	80-120	12.06.16 22.41		
4-Bromofluorobenzene	460-00-4	90	%	80-120	12.06.16 22.41		



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **MW 15**
Lab Sample Id: 541343-008

Matrix: Ground Water
Date Collected: 12.01.16 15.00

Date Received: 12.02.16 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.06.16 15.40

Seq Number: 3005166

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/L	12.06.16 22.57	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/L	12.06.16 22.57	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/L	12.06.16 22.57	U	1
m_p-Xylenes	179601-23-1	<0.00200	0.00200	mg/L	12.06.16 22.57	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/L	12.06.16 22.57	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/L	12.06.16 22.57	U	1
Total BTEX		<0.00200	0.00200	mg/L	12.06.16 22.57	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	80-120	12.06.16 22.57		
4-Bromofluorobenzene	460-00-4	99	%	80-120	12.06.16 22.57		



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **MW 17**
Lab Sample Id: 541343-009

Matrix: Ground Water
Date Collected: 12.01.16 15.35

Date Received: 12.02.16 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.06.16 15.40

Seq Number: 3005166

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/L	12.06.16 23.13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/L	12.06.16 23.13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/L	12.06.16 23.13	U	1
m_p-Xylenes	179601-23-1	<0.00200	0.00200	mg/L	12.06.16 23.13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/L	12.06.16 23.13	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/L	12.06.16 23.13	U	1
Total BTEX		<0.00200	0.00200	mg/L	12.06.16 23.13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	97	%	80-120	12.06.16 23.13		
4-Bromofluorobenzene	460-00-4	97	%	80-120	12.06.16 23.13		



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **MW 3**
Lab Sample Id: 541343-010

Matrix: Ground Water
Date Collected: 12.01.16 15.50

Date Received: 12.02.16 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.06.16 15.40

Seq Number: 3005166

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/L	12.07.16 02.44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/L	12.07.16 02.44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/L	12.07.16 02.44	U	1
m_p-Xylenes	179601-23-1	<0.00200	0.00200	mg/L	12.07.16 02.44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/L	12.07.16 02.44	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/L	12.07.16 02.44	U	1
Total BTEX		<0.00200	0.00200	mg/L	12.07.16 02.44	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	99	%	80-120	12.07.16 02.44		
4-Bromofluorobenzene	460-00-4	98	%	80-120	12.07.16 02.44		



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **RW 2**
Lab Sample Id: 541343-011

Matrix: Ground Water
Date Collected: 12.01.16 16.10

Date Received: 12.02.16 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.06.16 15.40

Seq Number: 3005166

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/L	12.06.16 23.29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/L	12.06.16 23.29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/L	12.06.16 23.29	U	1
m_p-Xylenes	179601-23-1	<0.00200	0.00200	mg/L	12.06.16 23.29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/L	12.06.16 23.29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/L	12.06.16 23.29	U	1
Total BTEX		<0.00200	0.00200	mg/L	12.06.16 23.29	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	95	%	80-120	12.06.16 23.29		
4-Bromofluorobenzene	460-00-4	94	%	80-120	12.06.16 23.29		



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **RW 1**
Lab Sample Id: 541343-012

Matrix: Ground Water
Date Collected: 12.02.16 11.00

Date Received: 12.02.16 16.30

Analytical Method: PAHs by 8270C SIM

Prep Method: SW3510C

Tech: HAC

% Moisture:

Analyst: SOZ

Date Prep: 12.06.16 11.33

Seq Number: 3005237

SUB: TX104704295

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acenaphthene	83-32-9	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Acenaphthylene	208-96-8	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Anthracene	120-12-7	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Benzo(a)anthracene	56-55-3	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Benzo(a)pyrene	50-32-8	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Benzo(b)fluoranthene	205-99-2	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Benzo(g,h,i)perylene	191-24-2	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Benzo(k)fluoranthene	207-08-9	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Chrysene	218-01-9	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Dibenz(a,h)anthracene	53-70-3	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Dibenzofuran	132-64-9	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Fluoranthene	206-44-0	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Fluorene	86-73-7	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Naphthalene	91-20-3	1.44	0.0146	mg/L	12.08.16 01.49		50
Phenanthrene	85-01-8	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50
Pyrene	129-00-0	<0.0146	0.0146	mg/L	12.08.16 01.49	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Nitrobenzene-d5	4165-60-0	760	%	52-128	12.08.16 01.49	**
2-Fluorobiphenyl	321-60-8	2280	%	55-135	12.08.16 01.49	**
Terphenyl-D14	1718-51-0	54	%	54-131	12.08.16 01.49	



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **RW 1**
Lab Sample Id: 541343-012

Matrix: Ground Water
Date Collected: 12.02.16 11.00

Date Received: 12.02.16 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.06.16 15.40

Seq Number: 3005166

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.200	0.00200	mg/L	12.07.16 03.00		1
Toluene	108-88-3	<0.00200	0.00200	mg/L	12.07.16 03.00	U	1
Ethylbenzene	100-41-4	0.0121	0.00200	mg/L	12.07.16 03.00		1
m_p-Xylenes	179601-23-1	0.0413	0.00200	mg/L	12.07.16 03.00		1
o-Xylene	95-47-6	<0.00200	0.00200	mg/L	12.07.16 03.00	U	1
Total Xylenes	1330-20-7	0.0413	0.00200	mg/L	12.07.16 03.00		1
Total BTEX		0.253	0.00200	mg/L	12.07.16 03.00		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	114	%	80-120	12.07.16 03.00		
4-Bromofluorobenzene	460-00-4	84	%	80-120	12.07.16 03.00		



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX HDO-90-23

Sample Id: **MW 2**
Lab Sample Id: 541343-013

Matrix: Ground Water
Date Collected: 12.02.16 11.15

Date Received: 12.02.16 16.30

Analytical Method: PAHs by 8270C SIM

Tech: HAC

Analyst: SOZ

Seq Number: 3005237

Prep Method: SW3510C

% Moisture:

Date Prep: 12.06.16 11.33

SUB: TX104704295

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acenaphthene	83-32-9	0.00120	0.000287	mg/L	12.09.16 04.14		1
Acenaphthylene	208-96-8	0.00230	0.000287	mg/L	12.09.16 04.14		1
Anthracene	120-12-7	0.00105	0.000287	mg/L	12.09.16 04.14		1
Benzo(a)anthracene	56-55-3	<0.000287	0.000287	mg/L	12.09.16 04.14	U	1
Benzo(a)pyrene	50-32-8	<0.000287	0.000287	mg/L	12.09.16 04.14	U	1
Benzo(b)fluoranthene	205-99-2	0.000394	0.000287	mg/L	12.09.16 04.14		1
Benzo(g,h,i)perylene	191-24-2	<0.000287	0.000287	mg/L	12.09.16 04.14	U	1
Benzo(k)fluoranthene	207-08-9	<0.000287	0.000287	mg/L	12.09.16 04.14	U	1
Chrysene	218-01-9	0.00157	0.000287	mg/L	12.09.16 04.14		1
Dibenz(a,h)anthracene	53-70-3	<0.000287	0.000287	mg/L	12.09.16 04.14	U	1
Dibenzofuran	132-64-9	<0.000287	0.000287	mg/L	12.09.16 04.14	U	1
Fluoranthene	206-44-0	0.000628	0.000287	mg/L	12.09.16 04.14		1
Fluorene	86-73-7	<0.000287	0.000287	mg/L	12.09.16 04.14	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.000287	0.000287	mg/L	12.09.16 04.14	U	1
Naphthalene	91-20-3	0.0125	0.000287	mg/L	12.09.16 04.14		1
Phenanthrene	85-01-8	<0.000287	0.000287	mg/L	12.09.16 04.14	U	1
Pyrene	129-00-0	0.000670	0.000287	mg/L	12.09.16 04.14		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Nitrobenzene-d5	4165-60-0	82	%	52-128	12.09.16 04.14	
2-Fluorobiphenyl	321-60-8	248	%	55-135	12.09.16 04.14	**
Terphenyl-D14	1718-51-0	197	%	54-131	12.09.16 04.14	**



Certificate of Analytical Results 541343



TRC Solutions, Inc, Midland, TX

HDO-90-23

Sample Id: **MW 2**
Lab Sample Id: 541343-013

Matrix: Ground Water
Date Collected: 12.02.16 11.15

Date Received: 12.02.16 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.07.16 08.15

Seq Number: 3005220

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	2.97	0.0400	mg/L	12.07.16 16.39		20
Toluene	108-88-3	<0.0400	0.0400	mg/L	12.07.16 16.39	U	20
Ethylbenzene	100-41-4	0.177	0.0400	mg/L	12.07.16 16.39		20
m_p-Xylenes	179601-23-1	0.142	0.0400	mg/L	12.07.16 16.39		20
o-Xylene	95-47-6	<0.0400	0.0400	mg/L	12.07.16 16.39	U	20
Total Xylenes	1330-20-7	0.142	0.0400	mg/L	12.07.16 16.39		20
Total BTEX		3.29	0.0400	mg/L	12.07.16 16.39		20
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	101	%	80-120	12.07.16 16.39		
4-Bromofluorobenzene	460-00-4	91	%	80-120	12.07.16 16.39		

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **SQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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(602) 437-0330	

TRC Solutions, Inc
HDO-90-23

Analytical Method: PAHs by 8270C SIM

Seq Number: 3005237

MB Sample Id: 716870-1-BLK

Matrix: Water

LCS Sample Id: 716870-1-BKS

Prep Method: SW3511

Date Prep: 12.06.16

LCSD Sample Id: 716870-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acenaphthene	<0.000291	0.00291	0.00304	104	0.00290	100	47-120	5	25	mg/L	12.07.16 21:00	
Acenaphthylene	<0.000291	0.00291	0.00306	105	0.00290	100	60-117	5	25	mg/L	12.07.16 21:00	
Anthracene	<0.000291	0.00291	0.00306	105	0.00296	102	60-117	3	25	mg/L	12.07.16 21:00	
Benzo(a)anthracene	<0.000291	0.00291	0.00312	107	0.00285	98	56-120	9	25	mg/L	12.07.16 21:00	
Benzo(a)pyrene	<0.000291	0.00291	0.00305	105	0.00293	101	65-120	4	25	mg/L	12.07.16 21:00	
Benzo(b)fluoranthene	<0.000291	0.00291	0.00309	106	0.00288	99	45-124	7	25	mg/L	12.07.16 21:00	
Benzo(g,h,i)perylene	<0.000291	0.00291	0.00301	103	0.00284	98	38-123	6	25	mg/L	12.07.16 21:00	
Benzo(k)fluoranthene	<0.000291	0.00291	0.00300	103	0.00320	110	45-124	6	25	mg/L	12.07.16 21:00	
Chrysene	<0.000291	0.00291	0.00304	104	0.00294	101	55-120	3	25	mg/L	12.07.16 21:00	
Dibenz(a,h)anthracene	<0.000291	0.00291	0.00310	107	0.00296	102	42-127	5	25	mg/L	12.07.16 21:00	
Dibenzofuran	<0.000291	0.00291	0.00299	103	0.00291	100	54-120	3	25	mg/L	12.07.16 21:00	
Fluoranthene	<0.000291	0.00291	0.00325	112	0.00338	116	54-120	4	25	mg/L	12.07.16 21:00	
Fluorene	<0.000291	0.00291	0.00298	102	0.00300	103	50-120	1	25	mg/L	12.07.16 21:00	
Indeno(1,2,3-c,d)Pyrene	<0.000291	0.00291	0.00306	105	0.00293	101	43-125	4	25	mg/L	12.07.16 21:00	
Naphthalene	<0.000291	0.00291	0.00304	104	0.00289	99	39-120	5	25	mg/L	12.07.16 21:00	
Phenanthrene	<0.000291	0.00291	0.00306	105	0.00296	102	51-120	3	25	mg/L	12.07.16 21:00	
Pyrene	<0.000291	0.00291	0.00308	106	0.00297	102	49-128	4	25	mg/L	12.07.16 21:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Nitrobenzene-d5	93		102		89		52-128	%	12.07.16 21:00
2-Fluorobiphenyl	88		101		76		55-135	%	12.07.16 21:00
Terphenyl-D14	67		107		99		54-131	%	12.07.16 21:00

Analytical Method: PAHs by 8270C SIM

Seq Number: 3005237

Parent Sample Id: 541289-012

Matrix: Ground Water

MD Sample Id: 541289-012 D

Prep Method: SW3510C

Date Prep: 12.06.16

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Acenaphthene	0.00164	0.00172	5	25	mg/L	12.09.16 04:57	
Acenaphthylene	0.00167	0.00170	2	25	mg/L	12.09.16 04:57	
Anthracene	0.000895	0.000925	3	25	mg/L	12.09.16 04:57	
Benzo(a)anthracene	<0.000466	<0.000466	0	25	mg/L	12.09.16 04:57	U
Benzo(a)pyrene	<0.000466	<0.000466	0	25	mg/L	12.09.16 04:57	U
Benzo(b)fluoranthene	<0.000466	<0.000466	0	25	mg/L	12.09.16 04:57	U
Benzo(g,h,i)perylene	<0.000466	<0.000466	0	25	mg/L	12.09.16 04:57	U
Benzo(k)fluoranthene	<0.000466	<0.000466	0	25	mg/L	12.09.16 04:57	U
Chrysene	0.00179	0.00180	1	25	mg/L	12.09.16 04:57	
Dibenz(a,h)anthracene	<0.000466	<0.000466	0	25	mg/L	12.09.16 04:57	U
Dibenzofuran	0.00791	0.00870	10	25	mg/L	12.09.16 04:57	
Fluoranthene	0.000844	0.000823	3	25	mg/L	12.09.16 04:57	
Fluorene	0.00658	0.00713	8	25	mg/L	12.09.16 04:57	
Indeno(1,2,3-c,d)Pyrene	<0.000466	<0.000466	0	25	mg/L	12.09.16 04:57	U
Naphthalene	0.00450	0.00571	24	25	mg/L	12.09.16 04:57	
Phenanthrene	<0.000466	<0.000466	0	25	mg/L	12.09.16 04:57	U
Pyrene	0.000608	0.000759	22	25	mg/L	12.09.16 04:57	

TRC Solutions, Inc
HDO-90-23

Analytical Method: BTEX by EPA 8021B

Seq Number: 3005166

MB Sample Id: 716931-1-BLK

Matrix: Water

LCS Sample Id: 716931-1-BKS

Prep Method: SW5030B

Date Prep: 12.06.16

LCSD Sample Id: 716931-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.109	109	0.0991	99	70-125	10	25	mg/L	12.06.16 20:14	
Toluene	<0.00200	0.100	0.101	101	0.0934	93	70-125	8	25	mg/L	12.06.16 20:14	
Ethylbenzene	<0.00200	0.100	0.107	107	0.0996	100	71-129	7	25	mg/L	12.06.16 20:14	
m_p-Xylenes	<0.00200	0.200	0.215	108	0.201	101	70-131	7	25	mg/L	12.06.16 20:14	
o-Xylene	<0.00200	0.100	0.107	107	0.101	101	71-133	6	25	mg/L	12.06.16 20:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		112		111		80-120	%	12.06.16 20:14
4-Bromofluorobenzene	91		94		97		80-120	%	12.06.16 20:14

Analytical Method: BTEX by EPA 8021B

Seq Number: 3005220

MB Sample Id: 716975-1-BLK

Matrix: Water

LCS Sample Id: 716975-1-BKS

Prep Method: SW5030B

Date Prep: 12.07.16

LCSD Sample Id: 716975-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0969	97	0.102	102	70-125	5	25	mg/L	12.07.16 12:24	
Toluene	<0.00200	0.100	0.0943	94	0.0995	100	70-125	5	25	mg/L	12.07.16 12:24	
Ethylbenzene	<0.00200	0.100	0.101	101	0.108	108	71-129	7	25	mg/L	12.07.16 12:24	
m_p-Xylenes	<0.00200	0.200	0.203	102	0.217	109	70-131	7	25	mg/L	12.07.16 12:24	
o-Xylene	<0.00200	0.100	0.0989	99	0.107	107	71-133	8	25	mg/L	12.07.16 12:24	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		102		102		80-120	%	12.07.16 12:24
4-Bromofluorobenzene	92		103		98		80-120	%	12.07.16 12:24

Analytical Method: BTEX by EPA 8021B

Seq Number: 3005230

MB Sample Id: 716984-1-BLK

Matrix: Water

LCS Sample Id: 716984-1-BKS

Prep Method: SW5030B

Date Prep: 12.07.16

LCSD Sample Id: 716984-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0837	84	0.0739	74	70-125	12	25	mg/L	12.07.16 19:58	
Toluene	<0.00200	0.100	0.0808	81	0.0717	72	70-125	12	25	mg/L	12.07.16 19:58	
Ethylbenzene	<0.00200	0.100	0.0886	89	0.0779	78	71-129	13	25	mg/L	12.07.16 19:58	
m_p-Xylenes	<0.00200	0.200	0.177	89	0.156	78	70-131	13	25	mg/L	12.07.16 19:58	
o-Xylene	<0.00200	0.100	0.0868	87	0.0770	77	71-133	12	25	mg/L	12.07.16 19:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		104		102		80-120	%	12.07.16 19:58
4-Bromofluorobenzene	91		103		100		80-120	%	12.07.16 19:58

TRC Solutions, Inc
HDO-90-23

Analytical Method: BTEX by EPA 8021B

Seq Number: 3005166

Parent Sample Id: 541343-005

Matrix: Ground Water

MS Sample Id: 541343-005 S

Prep Method: SW5030B

Date Prep: 12.06.16

MSD Sample Id: 541343-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.101	101	0.104	104	70-125	3	25	mg/L	12.06.16 20:46	
Toluene	<0.00200	0.100	0.0936	94	0.0981	98	70-125	5	25	mg/L	12.06.16 20:46	
Ethylbenzene	<0.00200	0.100	0.0998	100	0.104	104	71-129	4	25	mg/L	12.06.16 20:46	
m_p-Xylenes	<0.00200	0.200	0.201	101	0.208	104	70-131	3	25	mg/L	12.06.16 20:46	
o-Xylene	<0.00200	0.100	0.0996	100	0.103	103	71-133	3	25	mg/L	12.06.16 20:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		108		80-120	%	12.06.16 20:46
4-Bromofluorobenzene	94		94		80-120	%	12.06.16 20:46

Analytical Method: BTEX by EPA 8021B

Seq Number: 3005220

Parent Sample Id: 541248-001

Matrix: Water

MS Sample Id: 541248-001 S

Prep Method: SW5030B

Date Prep: 12.07.16

MSD Sample Id: 541248-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.100	100	0.0948	95	70-125	5	25	mg/L	12.07.16 12:56	
Toluene	<0.00200	0.100	0.0983	98	0.0924	92	70-125	6	25	mg/L	12.07.16 12:56	
Ethylbenzene	<0.00200	0.100	0.106	106	0.0999	100	71-129	6	25	mg/L	12.07.16 12:56	
m_p-Xylenes	<0.00200	0.200	0.213	107	0.200	100	70-131	6	25	mg/L	12.07.16 12:56	
o-Xylene	<0.00200	0.100	0.104	104	0.0991	99	71-133	5	25	mg/L	12.07.16 12:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		102		80-120	%	12.07.16 12:56
4-Bromofluorobenzene	103		93		80-120	%	12.07.16 12:56

Analytical Method: BTEX by EPA 8021B

Seq Number: 3005230

Parent Sample Id: 541508-001

Matrix: Water

MS Sample Id: 541508-001 S

Prep Method: SW5030B

Date Prep: 12.07.16

MSD Sample Id: 541508-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0785	79	0.0734	73	70-125	7	25	mg/L	12.07.16 20:30	
Toluene	<0.00200	0.100	0.0759	76	0.0716	72	70-125	6	25	mg/L	12.07.16 20:30	
Ethylbenzene	<0.00200	0.100	0.0829	83	0.0793	79	71-129	4	25	mg/L	12.07.16 20:30	
m_p-Xylenes	<0.00200	0.200	0.165	83	0.157	79	70-131	5	25	mg/L	12.07.16 20:30	
o-Xylene	<0.00200	0.100	0.0810	81	0.0772	77	71-133	5	25	mg/L	12.07.16 20:30	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		108		80-120	%	12.07.16 20:30
4-Bromofluorobenzene	95		106		80-120	%	12.07.16 20:30



Odessa, Texas (432-563-1800) Lakeland, Florida (863-646-8526)

Norcross, Georgia (770-449-8800) Tampa, Florida (813-620-2000)

Tampa, Florida (813-620-2000)
541343

Final 1.000



Setting the Standard since 1990
Stafford, Texas (281-240-4200)
Dallas, Texas (214-902-0300)
Service Center - San Antonio, Texas (210-509-3334)

CHAIN OF CUSTODY

Page 2 of 2

Odessa, Texas (432-563-1800)
Norcross, Georgia (770-449-8800)
Lakeland, Florida (863-646-8525)
Tampa, Florida (813-620-2000)

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Xenco Quote #

Xenco Job #

6413473

Client / Reporting Information

Company Name / Branch:

78c Solutions

Company Address:

2057 Commerce, Midland, TX, 79703

Email:

Phone No:

celstakey@78csolutions.com 432-520-7720

Project Contact:

Curt Stenley

Samplers Name:

Carlos Angeles

Project Information

Project Name/Number:

HDO-90-23

Project Location:

Enure, NM

Invoice To:

plans

PO Number:

TMM-HDO-90-23

Analytical Information

Matrix Codes

A = Air
S = Soil/Sed/Solid
GW = Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
WW = Waste Water
W = Wipe
O = Oil
WW = Waste Water

No. Field ID / Point of Collection

No.	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Field Comments
-----	--------------------------------	--------------	------	------	--------	--------------	-----	-----------------	------	-------	------	--------	------	------	----------------

1	Rw2		12/14/16	1610	GW	2	2								BTEX 8021
2	Rw1		12/14/16	1100		2	2								PAH
3	mw2		12/24/16	1115		3	2								
4															
5															
6															
7															
8															
9															
10															

Turnaround Time (Business days)

Data Deliverable Information

Notes:

☐ Same Day TAT

☒ 5 Day TAT

☐ Level II Std QC

☐ Level IV (Full Data Pkg / raw data)

☐ Next Day EMERGENCY

☐ 7 Day TAT

☐ Level III Std QC+ Forms

☐ TRRP Level IV

☐ 2 Day EMERGENCY

☐ Contract TAT

☐ Level 3 (CLP Forms)

☐ UST / RG-411

☐ 3 Day EMERGENCY

☐ TRRP Checklist

TAT Starts Day received by Lab, if received by 3:00 pm

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING CARRIER DELIVERY

Relinquished by Sampler:

Date Time:

Received By:

Relinquished By:

Date Time:

Received By:

Relinquished by:

Date Time:

Received By:

Relinquished By:

Date Time:

Received By:

Relinquished by:

Date Time:

Received By:

Relinquished By:

Date Time:

Received By:

On Ice

Cc

Temp: IR ID-R-8

CF: + 0.1 0.1

Corrected Temp: 1.0

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratories and its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: TRC Solutions, Inc

Date/ Time Received: 12/02/2016 04:30:00 PM

Work Order #: 541343

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1
#2 *Shipping container in good condition?	N/A
#3 *Samples received on ice?	Yes
#4 *Custody Seal present on shipping container/ cooler?	N/A
#5 *Custody Seals intact on shipping container/ cooler?	N/A
#6 Custody Seals intact on sample bottles?	N/A
#7 *Custody Seals Signed and dated?	N/A
#8 *Chain of Custody present?	Yes
#9 Sample instructions complete on Chain of Custody?	Yes
#10 Any missing/extra samples?	No
#11 Chain of Custody signed when relinquished/ received?	Yes
#12 Chain of Custody agrees with sample label(s)?	Yes
#13 Container label(s) legible and intact?	Yes
#14 Sample matrix/ properties agree with Chain of Custody?	Yes
#15 Samples in proper container/ bottle?	Yes
#16 Samples properly preserved?	Yes
#17 Sample container(s) intact?	Yes
#18 Sufficient sample amount for indicated test(s)?	Yes
#19 All samples received within hold time?	Yes
#20 Subcontract of sample(s)?	Yes Dallas
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	Yes
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	Yes
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by:

Jessica Kramer

Jessica Kramer

Date: 12/02/2016

Checklist reviewed by:

Alex Montoya

Alex Montoya

Date: 12/05/2016

Historic Tables

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	03/08/00	3,465.61	-	46.16	0.00	3,419.45
MW - 1	05/12/00	3,465.61	-	46.13	0.00	3,419.48
MW - 1	09/11/00	3,465.61	-	46.18	0.00	3,419.43
MW - 1	12/11/00	3,465.61	-	46.23	0.00	3,419.38
MW - 1	03/19/01	3,465.61	-	46.16	0.00	3,419.45
MW - 1	05/30/01	3,465.61	-	46.13	0.00	3,419.48
MW - 1	09/25/01	3,465.61	-	46.37	0.00	3,419.24
MW - 1	11/20/01	3,465.61	-	46.38	0.00	3,419.23
MW - 1	02/20/02	3,465.61	-	46.34	0.00	3,419.27
MW - 1	06/25/02	3,465.61	-	46.37	0.00	3,419.24
MW - 1	09/17/02	3,465.61	-	46.36	0.00	3,419.25
MW - 1	11/20/02	3,465.61	-	46.38	0.00	3,419.23
MW - 1	01/21/03	3,465.61	-	46.26	0.00	3,419.35
MW - 1	02/10/03	3,465.61	-	46.24	0.00	3,419.37
MW - 1	05/15/03	3,465.61	-	46.27	0.00	3,419.34
MW - 1	08/26/03	3,465.61	-	46.45	0.00	3,419.16
MW - 1	11/24/03	3,465.61	-	46.50	0.00	3,419.11
MW - 1	05/12/04	3,465.61	-	46.26	0.00	3,419.35
MW - 1	07/13/04	3,465.61	47.84	48.23	0.39	3,417.71
MW - 1	07/21/04	3,465.61	47.44	47.80	0.36	3,418.12
MW - 1	08/23/04	3,465.61	-	45.74	0.00	3,419.87
MW - 1	12/07/04	3,465.61	-	45.26	0.00	3,420.35
MW - 1	03/09/05	3,465.61	-	45.33	0.00	3,420.28
MW - 1	06/09/05	3,465.61	-	45.34	0.00	3,420.27
MW - 1	08/09/05	3,465.61	-	45.28	0.00	3,420.33
MW - 1	09/01/05	3,465.61	-	45.19	0.00	3,420.42
MW - 1	09/08/05	3,465.61	-	45.22	0.00	3,420.39
MW - 1	09/13/05	PLUGGED & ABANDONED				
MW - 2	03/08/00	3,465.44	46.19	46.39	0.20	3,419.22
MW - 2	05/12/00	3,465.44	46.22	46.32	0.10	3,419.21
MW - 2	09/11/00	3,465.44	46.21	46.30	0.09	3,419.22
MW - 2	12/11/00	3,465.44	46.06	47.88	1.82	3,419.11
MW - 2	03/19/01	3,465.44	46.19	46.39	0.20	3,419.22
MW - 2	05/30/01	3,465.44	46.31	46.35	0.04	3,419.12
MW - 2	09/25/01	3,465.44	46.14	46.34	0.20	3,419.27
MW - 2	11/20/01	3,465.44	46.44	46.65	0.21	3,418.97
MW - 2	02/20/02	3,465.44	46.43	46.68	0.25	3,418.97
MW - 2	06/25/02	3,465.44	46.28	47.90	1.62	3,418.92
MW - 2	09/17/02	3,465.44	46.19	48.35	2.16	3,418.93
MW - 2	11/07/02	3,465.44	46.53	46.53	0.00	3,418.91
MW - 2	11/20/02	3,465.44	46.38	46.57	0.19	3,419.03

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	01/07/03	3,465.44	46.41	46.56	0.15	3,419.01
MW - 2	01/13/03	3,465.44	46.41	46.42	0.01	3,419.03
MW - 2	01/21/03	3,465.44	46.37	46.43	0.06	3,419.06
MW - 2	01/27/03	3,465.44	46.34	46.40	0.06	3,419.09
MW - 2	02/10/03	3,465.44	46.40	46.48	0.08	3,419.03
MW - 2	02/19/03	3,465.44	46.27	46.51	0.24	3,419.13
MW - 2	02/26/03	3,465.44	46.30	46.36	0.06	3,419.13
MW - 2	03/05/03	3,465.44	46.26	46.57	0.31	3,419.13
MW - 2	03/20/03	3,465.44	46.40	46.74	0.34	3,418.99
MW - 2	03/25/03	3,465.44	46.35	46.70	0.35	3,419.04
MW - 2	04/03/03	3,465.44	46.30	46.71	0.41	3,419.08
MW - 2	04/16/03	3,465.44	46.39	46.71	0.32	3,419.00
MW - 2	05/08/03	3,465.44	46.44	46.87	0.43	3,418.94
MW - 2	05/15/03	3,465.44	46.32	46.96	0.64	3,419.02
MW - 2	05/20/03	3,465.44	46.43	47.11	0.68	3,418.91
MW - 2	05/27/03	3,465.44	46.54	46.61	0.07	3,418.89
MW - 2	06/03/03	3,465.44	46.50	46.54	0.04	3,418.93
MW - 2	06/05/03	3,465.44	46.43	46.46	0.03	3,419.01
MW - 2	06/25/03	3,465.44	46.67	46.69	0.02	3,418.77
MW - 2	07/02/03	3,465.44	46.41	46.74	0.33	3,418.98
MW - 2	07/07/03	3,465.44	46.70	46.72	0.02	3,418.74
MW - 2	07/30/03	3,465.44	46.53	46.58	0.05	3,418.90
MW - 2	08/04/03	3,465.44	46.80	46.93	0.13	3,418.62
MW - 2	08/13/03	3,465.44	46.81	46.97	0.16	3,418.61
MW - 2	08/20/03	3,465.44	46.86	47.02	0.16	3,418.56
MW - 2	08/26/03	3,465.44	46.83	47.07	0.24	3,418.57
MW - 2	09/08/03	3,465.44	-	46.90	0.00	3,418.54
MW - 2	09/15/03	3,465.44	-	46.88	0.00	3,418.56
MW - 2	09/24/03	3,465.44	-	46.92	0.00	3,418.52
MW - 2	09/30/03	3,465.44	-	46.60	0.00	3,418.84
MW - 2	10/07/03	3,465.44	46.73	46.74	0.01	3,418.71
MW - 2	10/14/03	3,465.44	-	46.93	0.00	3,418.51
MW - 2	10/21/03	3,465.44	46.91	46.92	0.01	3,418.53
MW - 2	10/27/03	3,465.44	-	46.93	0.00	3,418.51
MW - 2	11/06/03	3,465.44	-	47.01	0.00	3,418.43
MW - 2	11/10/03	3,465.44	-	47.12	0.00	3,418.32
MW - 2	11/17/03	3,465.44	-	46.78	0.00	3,418.66
MW - 2	11/24/03	3,465.44	-	46.76	0.00	3,418.68
MW - 2	12/08/03	3,465.44	-	46.72	0.00	3,418.72
MW - 2	01/02/04	3,465.44	-	46.64	0.00	3,418.80
MW - 2	01/06/04	3,465.44	-	46.65	0.00	3,418.79
MW - 2	01/27/04	3,465.44	-	47.09	0.00	3,418.35

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	02/02/04	3,465.44	-	47.13	0.00	3,418.31
MW - 2	02/18/04	3,465.44	46.62	46.74	0.12	3,418.80
MW - 2	02/23/04	3,465.44	46.66	46.68	0.02	3,418.78
MW - 2	03/01/04	3,465.44	-	46.67	0.00	3,418.77
MW - 2	03/10/04	3,465.44	-	46.65	0.00	3,418.79
MW - 2	03/15/04	3,465.44	46.62	46.66	0.04	3,418.81
MW - 2	03/23/04	3,465.44	47.07	47.14	0.07	3,418.36
MW - 2	03/30/04	3,465.44	47.09	47.17	0.08	3,418.34
MW - 2	04/07/04	3,465.44	47.09	47.15	0.06	3,418.34
MW - 2	04/12/04	3,465.44	47.06	47.15	0.09	3,418.37
MW - 2	04/15/04	3,465.44	-	46.99	0.00	3,418.45
MW - 2	04/19/04	3,465.44	-	46.46	0.00	3,418.98
MW - 2	05/03/04	3,465.44	-	46.65	0.00	3,418.79
MW - 2	05/11/04	3,465.44	-	46.76	0.00	3,418.68
MW - 2	05/12/04	3,465.44	-	46.35	0.00	3,419.09
MW - 2	06/09/04	3,465.44	46.30	46.37	0.07	3,419.13
MW - 2	06/16/04	3,465.44	46.32	46.36	0.04	3,419.11
MW - 2	06/22/04	3,465.44	46.27	46.56	0.29	3,419.13
MW - 2	07/13/04	3,465.44	46.26	46.56	0.30	3,419.14
MW - 2	07/21/04	3,465.44	45.69	46.05	0.36	3,419.70
MW - 2	08/11/04	3,465.44	45.73	46.00	0.27	3,419.67
MW - 2	08/17/04	3,465.44	45.74	46.18	0.44	3,419.63
MW - 2	08/23/04	3,465.44	45.81	45.85	0.04	3,419.62
MW - 2	09/13/04	3,465.44	45.99	46.00	0.01	3,419.45
MW - 2	09/20/04	3,465.44	45.86	45.93	0.07	3,419.57
MW - 2	09/29/04	3,465.44	46.02	46.07	0.05	3,419.41
MW - 2	10/04/04	3,465.44	45.96	45.98	0.02	3,419.48
MW - 2	10/12/04	3,465.44	44.70	44.77	0.07	3,420.73
MW - 2	10/19/04	3,465.44	sheen	44.84	0.00	3,420.60
MW - 2	10/25/04	3,465.44	sheen	44.92	0.00	3,420.52
MW - 2	11/01/04	3,465.44	sheen	45.20	0.00	3,420.24
MW - 2	11/09/04	3,465.44	sheen	45.17	0.00	3,420.27
MW - 2	11/17/04	3,465.44	sheen	45.30	0.00	3,420.14
MW - 2	11/29/04	3,465.44	sheen	45.26	0.00	3,420.18
MW - 2	12/07/04	3,465.44	sheen	45.25	0.00	3,420.19
MW - 2	12/13/04	3,465.44	sheen	45.30	0.00	3,420.14
MW - 2	12/20/04	3,465.44	sheen	45.29	0.00	3,420.15
MW - 2	12/30/04	3,465.44	sheen	45.36	0.00	3,420.08
MW - 2	01/03/05	3,465.44	sheen	45.33	0.00	3,420.11
MW - 2	01/10/05	3,465.44	sheen	45.20	0.00	3,420.24
MW - 2	01/17/05	3,465.44	sheen	45.40	0.00	3,420.04
MW - 2	01/24/05	3,465.44	sheen	45.36	0.00	3,420.08

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	01/31/05	3,465.44	sheen	45.40	0.00	3,420.04
MW - 2	02/07/05	3,465.44	sheen	45.36	0.00	3,420.08
MW - 2	02/14/05	3,465.44	sheen	45.36	0.00	3,420.08
MW - 2	02/21/05	3,465.44	sheen	45.40	0.00	3,420.04
MW - 2	02/28/05	3,465.44	sheen	45.44	0.00	3,420.00
MW - 2	03/07/05	3,465.44	sheen	45.44	0.00	3,420.00
MW - 2	03/09/05	3,465.44	sheen	45.44	0.00	3,420.00
MW - 2	03/16/05	3,465.44	sheen	45.44	0.00	3,420.00
MW - 2	03/21/05	3,465.44	sheen	45.46	0.00	3,419.98
MW - 2	03/28/05	3,465.44	sheen	45.45	0.00	3,419.99
MW - 2	04/04/05	3,465.44	sheen	45.42	0.00	3,420.02
MW - 2	04/13/05	3,465.44	sheen	45.48	0.00	3,419.96
MW - 2	04/18/05	3,465.44	sheen	45.41	0.00	3,420.03
MW - 2	05/23/05	3,465.44	sheen	45.41	0.00	3,420.03
MW - 2	06/09/05	3,465.44	45.43	45.45	0.02	3,420.01
MW - 2	06/21/05	3,465.44	sheen	45.47	0.00	3,419.97
MW - 2	07/14/05	3,465.44	45.47	45.51	0.04	3,419.96
MW - 2	07/26/05	3,465.44	sheen	45.51	0.00	3,419.93
MW - 2	08/09/05	3,465.44	sheen	45.11	0.00	3,420.33
MW - 2	08/25/05	3,465.44	sheen	45.02	0.00	3,420.42
MW - 2	09/01/05	3,465.44	44.99	45.00	0.01	3,420.45
MW - 2	09/08/05	3,465.44	45.09	45.11	0.02	3,420.35
MW - 2	09/13/05	3,465.44	45.11	45.13	0.02	3,420.33
MW - 2	09/26/05	3,465.44	45.25	45.29	0.04	3,420.18
MW - 2	10/11/05	3,465.44	45.31	45.36	0.05	3,420.12
MW - 2	10/25/05	3,465.44	45.25	45.27	0.02	3,420.19
MW - 2	11/10/05	3,465.44	45.30	45.34	0.04	3,420.13
MW - 2	11/14/05	3,465.44	45.32	45.37	0.05	3,420.11
MW - 2	12/01/05	3,465.44	45.35	45.41	0.06	3,420.08
MW - 2	12/28/05	3,465.44	45.42	45.51	0.09	3,420.01
MW - 2	01/11/06	3,465.44	45.42	45.50	0.08	3,420.01
MW - 2	01/25/06	3,465.44	45.49	45.54	0.05	3,419.94
MW - 2	02/08/06	3,465.44	45.44	45.50	0.06	3,419.99
MW - 2	02/23/06	3,465.44	45.47	45.50	0.03	3,419.97
MW - 2	03/07/06	3,465.44	45.43	45.44	0.01	3,420.01
MW - 2	03/08/06	3,465.44	sheen	45.44	0.00	3,420.00
MW - 2	03/20/06	3,465.44	sheen	45.47	0.00	3,419.97
MW - 2	03/30/06	3,465.44	45.44	45.48	0.04	3,419.99
MW - 2	05/03/06	3,465.44	45.47	45.55	0.08	3,419.96
MW - 2	06/01/06	3,465.44	45.50	45.61	0.11	3,419.92
MW - 2	06/06/06	3,465.44	45.57	45.59	0.02	3,419.87
MW - 2	06/14/06	3,465.44	45.50	45.64	0.14	3,419.92

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	06/29/06	3,465.44	45.54	45.58	0.04	3,419.89
MW - 2	07/13/06	3,465.44	45.53	45.54	0.01	3,419.91
MW - 2	07/27/06	3,465.44	45.55	45.59	0.04	3,419.88
MW - 2	08/10/06	3,465.44	45.56	45.61	0.05	3,419.87
MW - 2	09/15/06	3,465.44	45.43	45.48	0.05	3,420.00
MW - 2	10/03/06	3,465.44	45.48	45.51	0.03	3,419.96
MW - 2	11/20/06	3,465.44	46.52	46.68	0.16	3,418.90
MW - 2	01/11/07	3,465.44	45.55	45.76	0.21	3,419.86
MW - 2	02/15/07	3,465.44	45.54	45.73	0.19	3,419.87
MW - 2	02/23/07	3,465.44	45.48	45.62	0.14	3,419.94
MW - 2	03/08/07	3,465.44	45.54	45.74	0.20	3,419.87
MW - 2	03/28/07	3,465.44	45.54	45.67	0.13	3,419.88
MW - 2	04/25/07	3,465.44	45.54	45.62	0.08	3,419.89
MW - 2	05/04/07	3,465.44	45.52	45.62	0.10	3,419.91
MW - 2	05/18/07	3,465.44	45.46	45.54	0.08	3,419.97
MW - 2	06/14/07	3,465.44	45.44	45.62	0.18	3,419.97
MW - 2	07/12/07	3,465.44	45.45	45.62	0.17	3,419.96
MW - 2	08/21/07	3,465.44	45.49	45.75	0.26	3,419.91
MW - 2	09/14/07	3,465.44	45.55	45.88	0.33	3,419.84
MW - 2	09/26/07	3,465.44	45.56	45.78	0.22	3,419.85
MW - 2	10/03/07	3,465.44	45.57	45.70	0.13	3,419.85
MW - 2	10/10/07	3,465.44	45.55	45.67	0.12	3,419.87
MW - 2	10/17/07	3,465.44	45.55	45.62	0.07	3,419.88
MW - 2	11/05/07	3,465.44	sheen	45.61	0.00	3,419.83
MW - 2	11/07/07	3,465.44	sheen	45.61	0.00	3,419.83
MW - 2	12/18/07	3,465.44	sheen	45.62	0.00	3,419.82
MW - 2	02/08/08	3,465.44	-	45.56	0.00	3,419.88
MW - 2	02/15/08	3,465.44	-	45.53	0.00	3,419.91
MW - 2	02/22/08	3,465.44	-	45.56	0.00	3,419.88
MW - 2	04/04/08	3,465.44	-	45.56	0.00	3,419.88
MW - 2	05/08/08	3,465.44	-	46.51	0.00	3,418.93
MW - 2	05/16/08	3,465.44	-	45.55	0.00	3,419.89
MW - 2	06/05/08	3,465.44	-	45.52	0.00	3,419.92
MW - 2	06/27/08	3,465.44	-	45.67	0.00	3,419.77
MW - 2	07/15/08	3,465.44	-	45.68	0.00	3,419.76
MW - 2	08/12/08	3,465.44	-	45.72	0.00	3,419.72
MW - 2	08/13/08	3,465.44	-	45.72	0.00	3,419.72
MW - 2	09/25/08	3,465.44	-	45.72	0.00	3,419.72
MW - 2	09/30/08	3,465.44	45.69	45.70	0.01	3,419.75
MW - 2	10/08/08	3,465.44	-	45.71	0.00	3,419.73
MW - 2	10/24/08	3,465.44	-	45.70	0.00	3,419.74
MW - 2	11/06/08	3,465.44	-	45.72	0.00	3,419.72

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	11/08/08	3,465.44	-	45.70	0.00	3,419.74
MW - 2	12/17/08	3,465.44	-	45.78	0.00	3,419.66
MW - 2	12/17/08	3,465.44	-	45.71	0.00	3,419.73
MW - 2	01/07/09	3,465.44	-	45.79	0.00	3,419.65
MW - 2	01/22/09	3,465.44	-	45.74	0.00	3,419.70
MW - 2	01/26/09	3,465.44	-	45.72	0.00	3,419.72
MW - 2	02/05/09	3,465.44	-	45.73	0.00	3,419.71
MW - 2	02/13/09	3,465.44	-	45.74	0.00	3,419.70
MW - 2	02/27/09	3,465.44	-	45.76	0.00	3,419.68
MW - 2	03/03/09	3,465.44	-	45.81	0.00	3,419.63
MW - 2	03/10/09	3,465.44	-	45.73	0.00	3,419.71
MW - 2	03/18/09	3,465.44	-	45.67	0.00	3,419.77
MW - 2	03/27/09	3,465.44	-	45.64	0.00	3,419.80
MW - 2	04/02/09	3,465.44	-	45.83	0.00	3,419.61
MW - 2	04/07/09	3,465.44	-	45.64	0.00	3,419.80
MW - 2	04/14/09	3,465.44	-	45.71	0.00	3,419.73
MW - 2	04/28/09	3,465.44	-	45.64	0.00	3,419.80
MW - 2	05/07/09	3,465.44	-	45.64	0.00	3,419.80
MW - 2	05/08/09	3,465.44	-	45.64	0.00	3,419.80
MW - 2	06/02/09	3,465.44	-	45.68	0.00	3,419.76
MW - 2	06/11/09	3,465.44	-	45.64	0.00	3,419.80
MW - 2	06/16/09	3,465.44	-	45.56	0.00	3,419.88
MW - 2	06/26/09	3,465.44	-	45.66	0.00	3,419.78
MW - 2	06/30/09	3,465.44	-	45.57	0.00	3,419.87
MW - 2	07/07/09	3,465.44	-	45.65	0.00	3,419.79
MW - 2	07/15/09	3,465.44	-	45.78	0.00	3,419.66
MW - 2	07/21/09	3,465.44	-	45.75	0.00	3,419.69
MW - 2	07/28/09	3,465.44	-	45.63	0.00	3,419.81
MW - 2	07/31/09	3,465.44	-	45.71	0.00	3,419.73
MW - 2	08/05/09	3,465.44	-	45.69	0.00	3,419.75
MW - 2	08/06/09	3,465.44	-	45.64	0.00	3,419.80
MW - 2	08/13/09	3,465.44	-	45.65	0.00	3,419.79
MW - 2	08/19/09	3,465.44	sheen	45.68	0.00	3,419.76
MW - 2	08/25/09	3,465.44	sheen	45.74	0.00	3,419.70
MW - 2	09/01/09	3,465.44	sheen	45.75	0.00	3,419.69
MW - 2	09/08/09	3,465.44	sheen	45.64	0.00	3,419.80
MW - 2	09/15/09	3,465.44	sheen	45.65	0.00	3,419.79
MW - 2	09/25/09	3,465.44	sheen	45.78	0.00	3,419.66
MW - 2	09/28/09	3,465.44	sheen	45.74	0.00	3,419.70
MW - 2	10/02/09	3,465.44	sheen	45.75	0.00	3,419.69
MW - 2	10/05/09	3,465.44	-	45.85	0.00	3,419.59
MW - 2	10/09/09	3,465.44	sheen	45.82	0.00	3,419.62

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	10/12/09	3,465.44	-	45.74	0.00	3,419.70
MW - 2	10/22/09	3,465.44	sheen	45.84	0.00	3,419.60
MW - 2	10/29/09	3,465.44	sheen	45.80	0.00	3,419.64
MW - 2	11/06/09	3,465.44	sheen	45.80	0.00	3,419.64
MW - 2	11/16/09	3,465.44	sheen	45.99	0.00	3,419.45
MW - 2	11/25/09	3,465.44	sheen	45.81	0.00	3,419.63
MW - 2	12/11/09	3,465.44	sheen	45.82	0.00	3,419.62
MW - 2	12/22/09	3,465.44	sheen	45.66	0.00	3,419.78
MW - 2	01/06/09	3,465.44	sheen	45.82	0.00	3,419.62
MW - 2	01/20/10	3,465.44	sheen	45.77	0.00	3,419.67
MW - 2	02/08/10	3,465.44	45.85	45.87	0.02	3,419.59
MW - 2	03/03/10	3,465.44	45.75	45.97	0.22	3,419.66
MW - 2	03/16/10	3,465.44	45.72	45.99	0.27	3,419.68
MW - 2	03/23/10	3,465.44	45.74	45.97	0.23	3,419.67
MW - 2	04/05/10	3,465.44	45.67	45.93	0.26	3,419.73
MW - 2	04/15/10	3,465.44	45.74	46.12	0.38	3,419.64
MW - 2	05/11/10	3,465.44	45.71	46.15	0.44	3,419.66
MW - 2	05/26/10	3,465.44	45.72	46.08	0.36	3,419.67
MW - 2	06/08/10	3,465.44	45.7	46.19	0.49	3,419.67
MW - 2	06/16/10	3,465.44	45.75	46.00	0.25	3,419.65
MW - 2	06/25/10	3,465.44	45.78	45.90	0.12	3,419.64
MW - 2	07/08/10	3,465.44	45.79	46.15	0.36	3,419.60
MW - 2	07/13/10	3,465.44	45.54	45.90	0.36	3,419.85
MW - 2	07/28/10	3,465.44	45.55	46.06	0.51	3,419.81
MW - 2	08/04/10	3,465.44	45.52	46.06	0.54	3,419.84
MW - 2	08/10/10	3,465.44	45.79	45.89	0.10	3,419.64
MW - 2	08/19/10	3,465.44	45.66	46.14	0.48	3,419.71
MW - 2	08/27/10	3,465.44	45.71	45.99	0.28	3,419.69
MW - 2	09/03/10	3,465.44	45.77	45.86	0.09	3,419.66
MW - 2	09/09/10	3,465.44	45.8	45.88	0.08	3,419.63
MW - 2	09/17/10	3,465.44	45.56	46.03	0.47	3,419.81
MW - 2	10/01/10	3,465.44	45.82	45.89	0.07	3,419.61
MW - 2	10/06/10	3,465.44	45.84	45.89	0.05	3,419.59
MW - 2	10/13/10	3,465.44	45.76	46.21	0.45	3,419.61
MW - 2	10/26/10	3,465.44	45.86	45.90	0.04	3,419.57
MW - 2	11/05/10	3,465.44	45.75	46.17	0.42	3,419.63
MW - 2	11/09/10	3,465.44	45.84	45.91	0.07	3,419.59
MW - 2	11/12/10	3,465.44	45.96	46.21	0.25	3,419.44
MW - 2	12/10/10	3,465.44	45.83	46.22	0.39	3,419.55
MW - 2	12/13/10	3,465.44	45.83	45.90	0.07	3,419.60
MW - 2	01/27/11	3,465.44	45.82	45.93	0.11	3,419.60
MW - 2	02/15/11	3,465.44	45.86	45.94	0.08	3,419.57

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	05/05/11	3,465.44	45.84	45.96	0.12	3,419.58
MW - 2	05/12/11	3,465.44	45.68	47.35	1.67	3,419.51
MW - 2	05/16/11	3,465.44	45.79	47.54	1.75	3,419.39
MW - 2	05/26/11	3,465.44	45.82	47.60	1.78	3,419.35
MW - 2	06/09/11	3,465.44	45.79	46.71	0.92	3,419.51
MW - 2	06/29/11	3,465.44	45.83	46.99	1.16	3,419.44
MW - 2	07/05/11	3,465.44	45.9	46.82	0.92	3,419.40
MW - 2	07/15/11	3,465.44	45.89	46.66	0.77	3,419.43
MW - 2	07/22/11	3,465.44	45.92	46.52	0.60	3,419.43
MW - 2	07/28/11	3,465.44	45.89	46.60	0.71	3,419.44
MW - 2	08/04/11	3,465.44	45.94	46.49	0.55	3,419.42
MW - 2	08/11/11	3,465.44	45.96	46.36	0.40	3,419.42
MW - 2	08/24/11	3,465.44	45.99	46.35	0.36	3,419.40
MW - 2	09/02/11	3,465.44	46.03	46.32	0.29	3,419.37
MW - 2	09/07/11	3,465.44	46.01	46.35	0.34	3,419.38
MW - 2	09/09/11	3,465.44	46.01	46.35	0.34	3,419.38
MW - 2	09/23/11	3,465.44	46.02	46.38	0.36	3,419.37
MW - 2	11/21/11	3,465.44	45.99	46.44	0.45	3,419.38
MW - 2	11/28/11	3,465.44	46.03	46.56	0.53	3,419.33
MW - 2	12/09/11	3,465.44	46.01	46.57	0.56	3,419.35
MW - 2	12/21/11	3,465.44	46.02	46.43	0.41	3,419.36
MW - 2	01/26/12	3,465.44	45.9	46.49	0.59	3,419.45
MW - 2	02/02/12	3,465.44	45.89	46.55	0.66	3,419.45
MW - 2	02/07/12	3,465.44	45.93	46.26	0.33	3,419.46
MW - 2	02/13/12	3,465.44	45.91	46.30	0.39	3,419.47
MW - 2	03/07/12	3,465.44	45.88	46.32	0.44	3,419.49
MW - 2	03/23/12	3,465.44	45.92	46.20	0.28	3,419.48
MW - 2	03/30/12	3,465.44	45.88	46.09	0.21	3,419.53
MW - 2	04/05/12	3,465.44	45.88	46.07	0.19	3,419.53
MW - 2	04/13/12	3,465.44	45.9	46.09	0.19	3,419.51
MW - 2	04/26/12	3,465.44	45.87	46.10	0.23	3,419.54
MW - 2	05/03/12	3,465.44	45.86	46.03	0.17	3,419.55
MW - 2	05/07/12	3,465.44	45.87	46.02	0.15	3,419.55
MW - 2	05/29/12	3,465.44	45.86	46.17	0.31	3,419.53
MW - 2	06/08/12	3,465.44	45.85	46.30	0.45	3,419.52
MW - 2	06/15/12	3,465.44	45.87	46.32	0.45	3,419.50
MW - 2	06/22/12	3,465.44	45.85	46.47	0.62	3,419.50
MW - 2	06/29/12	3,465.44	45.89	46.34	0.45	3,419.48
MW - 2	07/03/12	3,465.44	45.87	46.34	0.47	3,419.50
MW - 2	08/10/12	3,465.44	46.01	46.02	0.01	3,419.43
MW - 2	08/16/12	3,465.44	46.02	46.03	0.01	3,419.42
MW - 2	09/12/12	3,465.44	46.03	46.40	0.37	3,419.35

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	10/12/12	3,465.44	46.03	46.47	0.44	3,419.34
MW - 2	10/17/12	3,465.44	45.99	46.49	0.50	3,419.38
MW - 2	10/24/12	3,465.44	46.03	46.42	0.39	3,419.35
MW - 2	11/06/12	3,465.44	46.02	46.33	0.31	3,419.37
MW - 2	12/14/12	3,465.44	45.98	46.27	0.29	3,419.42
MW - 2	12/21/12	3,465.44	46.04	46.36	0.32	3,419.35
MW - 2	02/06/13	3,465.44	45.92	46.49	0.57	3,419.43
MW - 2	02/20/13	3,465.44	45.91	46.52	0.61	3,419.44
MW - 2	03/29/13	3,465.44	45.92	46.57	0.65	3,419.42
MW - 2	04/03/13	3,465.44	45.92	46.45	0.53	3,419.44
MW - 2	04/09/13	3,465.44	45.92	46.38	0.46	3,419.45
MW - 2	04/19/13	3,465.44	45.98	46.38	0.40	3,419.40
MW - 2	04/24/13	3,465.44	45.99	46.08	0.09	3,419.44
MW - 2	05/02/13	3,465.44	46.02	46.23	0.21	3,419.39
MW - 2	05/08/13	3,465.44	45.97	46.01	0.04	3,419.46
MW - 2	05/10/13	3,465.44	45.97	46.03	0.06	3,419.46
MW - 2	05/17/13	3,465.44	45.96	46.01	0.05	3,419.47
MW - 2	05/22/13	3,465.44	45.97	46.06	0.09	3,419.46
MW - 2	05/30/13	3,465.44	45.95	46.01	0.06	3,419.48
MW - 2	06/05/13	3,465.44	45.94	46.01	0.07	3,419.49
MW - 2	06/12/13	3,465.44	45.98	46.02	0.04	3,419.45
MW - 2	06/18/13	3,465.44	45.98	46.00	0.02	3,419.46
MW - 2	06/25/13	3,465.44	45.98	46.01	0.03	3,419.46
MW - 2	07/02/13	3,465.44	46.04	46.09	0.05	3,419.39
MW - 2	07/09/13	3,465.44	46.03	46.06	0.03	3,419.41
MW - 2	07/26/13	3,465.44	46.04	46.27	0.23	3,419.37
MW - 2	07/29/13	3,465.44	46.05	46.11	0.06	3,419.38
MW - 2	08/01/13	3,465.44	46.02	46.12	0.10	3,419.41
MW - 2	08/06/13	3,465.44	46.05	46.10	0.05	3,419.38
MW - 2	08/15/13	3,465.44	46.07	46.27	0.20	3,419.34
MW - 2	08/20/13	3,465.44	46.07	46.28	0.21	3,419.34
MW - 2	09/12/13	3,465.44	46.1	46.34	0.24	3,419.30
MW - 2	09/19/13	3,465.44	46.12	46.30	0.18	3,419.29
MW - 2	09/25/13	3,465.44	46.09	46.25	0.16	3,419.33
MW - 2	10/01/13	3,465.44	46.12	46.31	0.19	3,419.29
MW - 2	10/09/13	3,465.44	46.12	46.27	0.15	3,419.30
MW - 2	10/24/13	3,465.44	45.97	46.08	0.11	3,419.45
MW - 2	10/29/13	3,465.44	45.99	46.01	0.02	3,419.45
MW - 2	11/04/13	3,465.44	46	46.02	0.02	3,419.44
MW - 2	11/05/13	3,465.44	46.02	46.03	0.01	3,419.42
MW - 2	12/02/13	3,465.44	46.01	46.31	0.30	3,419.39
MW - 2	12/10/13	3,465.44	46.02	46.28	0.26	3,419.38

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	12/17/13	3,465.44	46.04	46.33	0.29	3,419.36
MW - 2	12/23/13	3,465.44	46.04	46.25	0.21	3,419.37
MW - 2	01/01/14	3,465.44	46.01	46.11	0.10	3,419.42
MW - 2	01/07/14	3,465.44	46.00	46.20	0.20	3,419.41
MW - 2	01/16/14	3,465.44	46.02	46.28	0.26	3,419.38
MW - 2	01/23/14	3,465.44	46.02	46.31	0.29	3,419.38
MW - 2	01/28/14	3,465.44	46.03	46.36	0.33	3,419.36
MW - 2	02/11/14	3,465.44	46.03	46.33	0.30	3,419.37
MW - 2	02/26/14	3,465.44	45.99	46.33	0.34	3,419.40
MW - 2	03/21/14	3,465.44	45.98	46.33	0.35	3,419.41
MW - 2	03/29/14	3,465.44	45.96	46.26	0.30	3,419.44
MW - 2	04/10/14	3,465.44	45.97	46.23	0.26	3,419.43
MW - 2	04/17/14	3,465.44	46.01	46.32	0.31	3,419.38
MW - 2	04/17/14	3,465.44	46.03	46.06	0.03	3,419.41
MW - 2	04/24/14	3,465.44	45.98	46.20	0.22	3,419.43
MW - 2	05/01/14	3,465.44	46.06	46.09	0.03	3,419.38
MW - 2	05/06/14	3,465.44	45.99	46.09	0.10	3,419.44
MW - 2	05/12/14	3,465.44	46.04	46.15	0.11	3,419.38
MW - 2	05/23/14	3,465.44	46.01	46.30	0.29	3,419.39
MW - 2	05/27/14	3,465.44	46.01	46.19	0.18	3,419.40
MW - 2	06/05/14	3,465.44	46.02	46.25	0.23	3,419.39
MW - 2	06/26/14	3,465.44	46.09	46.30	0.21	3,419.32
MW - 2	07/01/14	3,465.44	46.18	46.25	0.07	3,419.25
MW - 2	07/08/14	3,465.44	46.13	46.36	0.23	3,419.28
MW - 2	07/17/14	3,465.44	46.15	46.33	0.18	3,419.26
MW - 2	07/23/14	3,465.44	46.2	46.28	0.08	3,419.23
MW - 2	08/06/14	3,465.44	46.18	46.31	0.13	3,419.24
MW - 2	08/11/14	3,465.44	46.23	46.30	0.07	3,419.20
MW - 2	08/21/14	3,465.44	46.22	46.36	0.14	3,419.20
MW - 2	09/04/14	3,465.44	46.20	46.44	0.24	3,419.20
MW - 2	10/02/14	3,465.44	45.24	46.10	0.86	3,420.07
MW - 2	10/08/14	3,465.44	45.40	45.81	0.41	3,419.98
MW - 2	10/15/14	3,465.44	45.54	45.85	0.31	3,419.85
MW - 2	10/16/14	3,465.44	45.57	45.74	0.17	3,419.84
MW - 2	10/23/14	3,465.44	45.62	45.79	0.17	3,419.79
MW - 2	10/24/14	3,465.44	45.62	45.79	0.17	3,419.79
MW - 2	10/28/14	3,465.44	45.67	45.78	0.11	3,419.75
MW - 2	11/07/14	3,465.44	45.68	45.81	0.13	3,419.74
MW - 2	11/15/14	3,465.44	45.65	45.77	0.12	3,419.77
MW - 2	12/11/14	3,465.44	45.61	45.76	0.15	3,419.81
MW - 2	12/18/14	3,465.44	45.69	45.86	0.17	3,419.72
MW - 2	01/07/15	3,465.44	45.75	45.81	0.06	3,419.68

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	01/15/15	3,465.44	45.72	45.77	0.05	3,419.71
MW - 2	01/28/15	3,465.44	45.71	45.77	0.06	3,419.72
MW - 2	02/04/15	3,465.44	45.71	45.79	0.08	3,419.72
MW - 2	02/13/15	3,465.44	45.71	45.81	0.10	3,419.72
MW - 2	02/17/15	3,465.44	45.72	45.82	0.10	3,419.71
MW - 2	02/18/15	3,465.44	45.71	45.72	0.01	3,419.73
MW - 2	02/24/15	3,465.44	45.70	45.73	0.03	3,419.74
MW - 2	03/10/15	3,465.44	45.72	45.81	0.09	3,419.71
MW - 2	03/17/15	3,465.44	45.73	45.74	0.01	3,419.71
MW - 2	03/19/15	3,465.44	45.73	45.75	0.02	3,419.71
MW - 2	03/25/15	3,465.44	45.72	45.73	0.01	3,419.72
MW - 2	04/07/15	3,465.44	45.72	45.74	0.02	3,419.72
MW - 2	04/14/15	3,465.44	45.74	45.77	0.03	3,419.70
MW - 2	04/16/15	3,465.44	45.70	45.75	0.05	3,419.73
MW - 2	04/21/15	3,465.44	45.74	45.76	0.02	3,419.70
MW - 2	05/06/15	3,465.44	45.72	45.74	0.02	3,419.72
MW - 2	05/20/15	3,465.44	45.73	45.76	0.03	3,419.71
MW - 2	05/28/15	3,465.44	45.70	45.71	0.01	3,419.74
MW - 2	06/02/15	3,465.44	-	45.77	0.00	3,419.67
MW - 2	06/09/15	3,465.44	45.75	45.76	0.01	3,419.69
MW - 2	06/18/15	3,465.44	-	45.76	0.00	3,419.68
MW - 2	07/03/15	3,465.44	-	45.88	0.00	3,419.56
MW - 2	07/06/15	3,465.44	45.83	45.84	0.01	3,419.61
MW - 2	07/17/15	3,465.44	-	45.90	0.00	3,419.54
MW - 2	07/21/15	3,465.44	-	45.89	0.00	3,419.55
MW - 2	07/28/15	3,465.44	45.91	45.93	0.02	3,419.53
MW - 2	08/05/15	3,465.44	45.94	46.03	0.09	3,419.49
MW - 2	08/11/15	3,465.44	45.97	46.10	0.13	3,419.45
MW - 2	08/12/15	3,465.44	45.83	45.84	0.01	3,419.61
MW - 2	08/20/15	3,465.44	45.95	46.16	0.21	3,419.46
MW - 2	08/21/15	3,465.44	45.95	46.16	0.21	3,419.46
MW - 2	08/27/15	3,465.44	46.00	46.04	0.04	3,419.43
MW - 2	09/01/15	3,465.44	-	46.06	0.00	3,419.38
MW - 2	09/09/15	3,465.44	-	46.10	0.00	3,419.34
MW - 2	09/11/15	3,465.44	-	46.11	0.00	3,419.33
MW - 2	09/17/15	3,465.44	-	46.07	0.00	3,419.37
MW - 2	09/30/15	3,465.44	-	46.20	0.00	3,419.24
MW - 2	10/07/15	3,465.44	-	46.08	0.00	3,419.36
MW - 2	10/13/15	3,465.44	-	46.03	0.00	3,419.41
MW - 2	10/15/15	3,465.44	-	46.03	0.00	3,419.41
MW - 2	10/26/15	3,465.44	-	45.96	0.00	3,419.48
MW - 2	11/05/15	3,465.44	-	46.00	0.00	3,419.44

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	11/09/15	3,465.44	-	45.94	0.00	3,419.50
MW - 2	11/30/15	3,465.44	-	45.95	0.00	3,419.49
MW - 2	12/01/15	3,465.44	-	45.93	0.00	3,419.51
MW - 2	12/09/15	3,465.44	-	45.99	0.00	3,419.45
MW - 2	12/11/15	3,465.44	-	45.88	0.00	3,419.56
MW - 2	12/15/15	3,465.44	-	45.86	0.00	3,419.58
MW - 2	12/24/15	3,465.44	-	45.91	0.00	3,419.53
MW - 2	01/06/16	3,465.44	-	45.93	0.00	3,419.51
MW - 2	01/15/16	3,465.44	-	45.96	0.00	3,419.48
MW - 2	01/19/16	3,465.44	-	45.98	0.00	3,419.46
MW - 2	01/28/16	3,465.44	-	45.98	0.00	3,419.46
MW - 2	02/03/16	3,465.44	-	45.91	0.00	3,419.53
MW - 2	02/11/16	3,465.44	-	45.95	0.00	3,419.49
MW - 2	02/19/16	3,465.44	-	45.98	0.00	3,419.46
MW - 2	02/23/16	3,465.44	-	45.92	0.00	3,419.52
MW - 2	02/25/16	3,465.44	-	45.91	0.00	3,419.53
MW - 2	03/01/16	3,465.44	-	45.91	0.00	3,419.53
MW - 2	03/08/16	3,465.44	-	45.88	0.00	3,419.56
MW - 2	03/16/16	3,465.44	-	45.89	0.00	3,419.55
MW - 2	03/17/16	3,465.44	-	45.88	0.00	3,419.56
MW - 2	03/24/16	3,465.44	-	45.89	0.00	3,419.55
MW - 2	03/29/16	3,465.44	-	45.91	0.00	3,419.53
MW - 2	04/05/16	3,465.44	-	45.90	0.00	3,419.54
MW - 2	04/13/16	3,465.44	-	45.87	0.00	3,419.57
MW - 2	04/18/16	3,465.44	-	45.92	0.00	3,419.52
MW - 2	04/25/16	3,465.44	45.85	45.86	0.01	3,419.59
MW - 2	05/03/16	3,465.44	45.84	45.85	0.01	3,419.60
MW - 2	05/12/16	3,465.44	45.85	45.86	0.01	3,419.59
MW - 2	05/27/16	3,465.44	45.89	45.90	0.01	3,419.55
MW - 2	06/02/16	3,465.44	45.91	45.92	0.01	3,419.53
MW - 2	06/06/16	3,465.44	-	45.96	0.00	3,419.48
MW - 2	06/30/16	3,465.44	-	46.10	0.00	3,419.34
MW - 2	07/05/16	3,465.44	-	46.06	0.00	3,419.38
MW - 2	07/14/16	3,465.44	-	46.03	0.00	3,419.41
MW - 2	07/19/16	3,465.44	-	46.05	0.00	3,419.39
MW - 2	07/26/16	3,465.44	-	46.10	0.00	3,419.34
MW - 2	08/03/16	3,465.44	-	46.10	0.00	3,419.34
MW - 2	08/10/16	3,465.44	-	46.13	0.00	3,419.31
MW - 2	08/15/16	3,465.44	-	46.11	0.00	3,419.33
MW - 2	08/23/16	3,465.44	-	46.04	0.00	3,419.40
MW - 2	09/12/16	3,465.44	45.78	45.79	0.01	3,419.66
MW - 2	10/07/16	3,465.44	45.56	45.85	0.29	3,419.84

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	10/12/16	3,465.44	45.73	45.74	0.01	3,419.71
MW - 2	10/19/16	3,465.44	-	45.76	0.00	3,419.68
MW - 2	10/28/16	3,465.44	-	45.76	0.00	3,419.68
MW - 2	11/03/16	3,465.44	-	45.75	0.00	3,419.69
MW - 2	11/11/16	3,465.44	-	45.74	0.00	3,419.70
MW - 2	11/15/16	3,465.44	-	45.68	0.00	3,419.76
MW - 2	12/02/16	3,465.44	-	45.73	0.00	3,419.71
MW - 2	12/06/16	3,465.44	-	45.77	0.00	3,419.67
MW - 2	12/13/16	3,465.44	-	45.79	0.00	3,419.65
MW - 2	12/21/16	3,465.44	-	45.80	0.00	3,419.64
MW - 2	12/28/16	3,465.44	-	45.79	0.00	3,419.65
MW - 3	03/08/00	3,464.68	-	45.59	0.00	3,419.09
MW - 3	05/12/00	3,464.88	-	45.71	0.00	3,419.17
MW - 3	09/11/00	3,464.68	-	45.64	0.00	3,419.04
MW - 3	12/11/00	3,464.68	-	45.72	0.00	3,418.96
MW - 3	03/19/01	3,464.68	-	45.59	0.00	3,419.09
MW - 3	05/30/01	3,464.68	-	45.64	0.00	3,419.04
MW - 3	09/25/01	3,464.68	-	45.85	0.00	3,418.83
MW - 3	11/20/01	3,464.68	-	45.86	0.00	3,418.82
MW - 3	02/20/02	3,464.68	-	45.79	0.00	3,418.89
MW - 3	06/25/02	3,464.68	-	45.84	0.00	3,418.84
MW - 3	09/17/02	3,464.68	-	45.86	0.00	3,418.82
MW - 3	11/20/02	3,464.68	-	45.84	0.00	3,418.84
MW - 3	01/21/03	3,464.68	-	45.76	0.00	3,418.92
MW - 3	02/10/03	3,464.68	-	45.68	0.00	3,419.00
MW - 3	05/15/03	3,464.68	-	45.80	0.00	3,418.88
MW - 3	08/26/03	3,464.68	-	45.98	0.00	3,418.70
MW - 3	11/24/03	3,464.68	-	46.06	0.00	3,418.62
MW - 3	02/18/04	3,464.68	-	46.00	0.00	3,418.68
MW - 3	05/12/04	3,464.68	-	45.64	0.00	3,419.04
MW - 3	08/23/04	3,464.68	-	45.10	0.00	3,419.58
MW - 3	12/07/04	3,464.68	-	44.58	0.00	3,420.10
MW - 3	03/09/05	3,464.68	-	44.70	0.00	3,419.98
MW - 3	06/09/05	3,464.68	-	44.77	0.00	3,419.91
MW - 3	08/09/05	3,464.68	sheen	43.79	0.00	3,420.89
MW - 3	09/01/05	3,464.68	-	44.32	0.00	3,420.36
MW - 3	09/08/05	3,464.68	-	44.57	0.00	3,420.11
MW - 3	12/01/05	3,464.68	-	44.80	0.00	3,419.88
MW - 3	03/07/06	3,464.68	-	44.85	0.00	3,419.83
MW - 3	06/06/06	3,464.68	sheen	44.93	0.00	3,419.75
MW - 3	07/13/06	3,464.68	sheen	44.94	0.00	3,419.74

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	07/27/06	3,464.68	47.61	47.63	0.02	3,417.07
MW - 3	08/10/06	3,464.68	45.53	45.74	0.21	3,419.12
MW - 3	09/15/06	3,464.68	-	42.71	0.00	3,421.97
MW - 3	10/03/06	3,464.68	sheen	42.74	0.00	3,421.94
MW - 3	11/20/06	3,464.68	-	44.92	0.00	3,419.76
MW - 3	01/11/07	3,464.68	sheen	44.98	0.00	3,419.70
MW - 3	02/15/07	3,464.68	-	44.70	0.00	3,419.98
MW - 3	02/23/07	3,464.68	-	44.94	0.00	3,419.74
MW - 3	03/28/07	3,464.68	sheen	44.98	0.00	3,419.70
MW - 3	05/18/07	3,464.68	-	44.61	0.00	3,420.07
MW - 3	07/12/07	3,464.68	-	44.87	0.00	3,419.81
MW - 3	08/21/07	3,464.68	-	44.94	0.00	3,419.74
MW - 3	10/03/07	3,464.68	sheen	45.02	0.00	3,419.66
MW - 3	11/05/07	3,464.68	-	44.96	0.00	3,419.72
MW - 3	02/08/08	3,464.68	-	44.96	0.00	3,419.72
MW - 3	02/15/08	3,464.68	-	44.95	0.00	3,419.73
MW - 3	02/22/08	3,464.68	-	44.95	0.00	3,419.73
MW - 3	04/04/08	3,464.68	-	44.94	0.00	3,419.74
MW - 3	05/08/08	3,464.68	-	44.90	0.00	3,419.78
MW - 3	05/16/08	3,464.68	-	44.94	0.00	3,419.74
MW - 3	06/27/08	3,464.68	-	45.01	0.00	3,419.67
MW - 3	08/13/08	3,464.68	-	45.09	0.00	3,419.59
MW - 3	09/30/08	3,464.68	-	45.02	0.00	3,419.66
MW - 3	10/08/08	3,464.68	-	45.10	0.00	3,419.58
MW - 3	10/24/08	3,464.68	-	44.90	0.00	3,419.78
MW - 3	11/06/08	3,464.68	-	45.06	0.00	3,419.62
MW - 3	12/17/08	3,464.68	-	45.16	0.00	3,419.52
MW - 3	12/30/08	3,464.68	-	45.18	0.00	3,419.50
MW - 3	01/07/09	3,464.68	-	45.16	0.00	3,419.52
MW - 3	01/22/09	3,464.68	-	45.13	0.00	3,419.55
MW - 3	01/26/09	3,464.68	-	45.12	0.00	3,419.56
MW - 3	02/05/09	3,464.68	-	45.12	0.00	3,419.56
MW - 3	02/13/09	3,464.68	-	45.09	0.00	3,419.59
MW - 3	02/27/09	3,464.68	-	45.10	0.00	3,419.58
MW - 3	03/03/09	3,464.68	-	45.18	0.00	3,419.50
MW - 3	03/10/09	3,464.68	-	45.09	0.00	3,419.59
MW - 3	03/18/09	3,464.68	-	45.09	0.00	3,419.59
MW - 3	03/27/09	3,464.68	-	45.05	0.00	3,419.63
MW - 3	04/02/09	3,464.68	-	45.21	0.00	3,419.47
MW - 3	04/07/09	3,464.68	-	45.05	0.00	3,419.63
MW - 3	04/14/09	3,464.68	-	45.03	0.00	3,419.65
MW - 3	04/28/09	3,464.68	-	45.05	0.00	3,419.63

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HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	05/07/09	3,464.68	-	45.02	0.00	3,419.66
MW - 3	05/08/09	3,464.68	-	45.02	0.00	3,419.66
MW - 3	06/11/09	3,464.68	-	44.72	0.00	3,419.96
MW - 3	06/16/09	3,464.68	-	44.64	0.00	3,420.04
MW - 3	06/26/09	3,464.68	-	44.95	0.00	3,419.73
MW - 3	06/30/09	3,464.68	-	44.65	0.00	3,420.03
MW - 3	07/07/09	3,464.68	-	45.03	0.00	3,419.65
MW - 3	07/15/09	3,464.68	-	45.08	0.00	3,419.60
MW - 3	07/28/09	3,464.68	-	45.00	0.00	3,419.68
MW - 3	08/13/09	3,464.68	-	44.86	0.00	3,419.82
MW - 3	08/19/09	3,464.68	-	44.94	0.00	3,419.74
MW - 3	08/25/09	3,464.68	-	45.07	0.00	3,419.61
MW - 3	09/01/09	3,464.68	-	45.14	0.00	3,419.54
MW - 3	09/08/09	3,464.68	-	45.02	0.00	3,419.66
MW - 3	09/15/09	3,464.68	-	45.02	0.00	3,419.66
MW - 3	09/25/09	3,464.68	sheen	45.18	0.00	3,419.50
MW - 3	09/28/09	3,464.68	-	45.25	0.00	3,419.43
MW - 3	10/02/09	3,464.68	sheen	45.18	0.00	3,419.50
MW - 3	10/05/09	3,464.68	-	45.26	0.00	3,419.42
MW - 3	10/09/09	3,464.68	sheen	45.38	0.00	3,419.30
MW - 3	10/12/09	3,464.68	-	45.27	0.00	3,419.41
MW - 3	10/22/09	3,464.68	sheen	45.20	0.00	3,419.48
MW - 3	10/29/09	3,464.68	sheen	45.18	0.00	3,419.50
MW - 3	11/06/09	3,464.68	-	45.23	0.00	3,419.45
MW - 3	11/16/09	3,464.68	-	45.29	0.00	3,419.39
MW - 3	12/22/09	3,464.68	-	45.04	0.00	3,419.64
MW - 3	01/06/10	3,464.68	-	45.21	0.00	3,419.47
MW - 3	02/08/10	3,464.68	-	45.23	0.00	3,419.45
MW - 3	03/03/10	3,464.68	-	45.18	0.00	3,419.50
MW - 3	05/11/10	3,464.68	-	45.26	0.00	3,419.42
MW - 3	08/10/10	3,464.68	-	45.26	0.00	3,419.42
MW - 3	11/09/10	3,464.68	-	45.31	0.00	3,419.37
MW - 3	02/15/11	3,464.68	-	45.31	0.00	3,419.37
MW - 3	05/05/11	3,464.68	-	45.29	0.00	3,419.39
MW - 3	08/04/11	3,464.68	-	45.31	0.00	3,419.37
MW - 3	11/21/11	3,464.68	-	45.43	0.00	3,419.25
MW - 3	11/28/11	3,464.68	-	45.47	0.00	3,419.21
MW - 3	12/09/11	3,464.68	-	45.45	0.00	3,419.23
MW - 3	12/21/11	3,464.68	-	45.42	0.00	3,419.26
MW - 3	01/26/12	3,464.68	-	45.37	0.00	3,419.31
MW - 3	02/02/12	3,464.68	-	45.35	0.00	3,419.33
MW - 3	02/07/12	3,464.68	-	45.37	0.00	3,419.31

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	02/13/12	3,464.68	-	45.35	0.00	3,419.33
MW - 3	03/07/12	3,464.68	-	45.31	0.00	3,419.37
MW - 3	03/23/12	3,464.68	-	45.31	0.00	3,419.37
MW - 3	03/30/12	3,464.68	-	45.31	0.00	3,419.37
MW - 3	04/05/12	3,464.68	-	45.30	0.00	3,419.38
MW - 3	04/13/12	3,464.68	-	45.29	0.00	3,419.39
MW - 3	04/26/12	3,464.68	-	45.28	0.00	3,419.40
MW - 3	05/03/12	3,464.68	-	45.27	0.00	3,419.41
MW - 3	05/07/12	3,464.68	-	45.28	0.00	3,419.40
MW - 3	05/29/12	3,464.68	-	45.28	0.00	3,419.40
MW - 3	06/08/12	3,464.68	-	45.28	0.00	3,419.40
MW - 3	06/15/12	3,464.68	-	45.30	0.00	3,419.38
MW - 3	06/22/12	3,464.68	-	45.25	0.00	3,419.43
MW - 3	06/29/12	3,464.68	-	45.32	0.00	3,419.36
MW - 3	07/03/12	3,464.68	-	45.23	0.00	3,419.45
MW - 3	08/10/12	3,464.68	-	45.36	0.00	3,419.32
MW - 3	08/17/12	3,464.68	-	45.48	0.00	3,419.20
MW - 3	09/12/12	3,464.68	-	45.44	0.00	3,419.24
MW - 3	10/12/12	3,464.68	-	45.47	0.00	3,419.21
MW - 3	10/17/12	3,464.68	-	45.43	0.00	3,419.25
MW - 3	10/24/12	3,464.68	-	45.46	0.00	3,419.22
MW - 3	11/06/12	3,464.68	-	45.43	0.00	3,419.25
MW - 3	12/14/12	3,464.68	-	45.41	0.00	3,419.27
MW - 3	12/21/12	3,464.68	-	45.44	0.00	3,419.24
MW - 3	02/06/13	3,464.68	-	45.36	0.00	3,419.32
MW - 3	02/20/13	3,464.68	-	45.36	0.00	3,419.32
MW - 3	03/29/13	3,464.68	-	45.37	0.00	3,419.31
MW - 3	04/03/13	3,464.68	-	45.39	0.00	3,419.29
MW - 3	04/09/13	3,464.68	-	45.36	0.00	3,419.32
MW - 3	04/19/13	3,464.68	-	45.41	0.00	3,419.27
MW - 3	04/24/13	3,464.68	-	45.39	0.00	3,419.29
MW - 3	05/02/13	3,464.68	-	45.41	0.00	3,419.27
MW - 3	05/08/13	3,464.68	-	45.35	0.00	3,419.33
MW - 3	05/10/13	3,464.68	-	45.41	0.00	3,419.27
MW - 3	05/17/13	3,464.68	-	45.36	0.00	3,419.32
MW - 3	05/22/13	3,464.68	-	45.36	0.00	3,419.32
MW - 3	05/30/13	3,464.68	-	45.36	0.00	3,419.32
MW - 3	06/05/13	3,464.68	-	45.37	0.00	3,419.31
MW - 3	06/12/13	3,464.68	-	45.37	0.00	3,419.31
MW - 3	06/18/13	3,464.68	-	45.39	0.00	3,419.29
MW - 3	06/25/13	3,464.68	-	45.38	0.00	3,419.30
MW - 3	07/02/13	3,464.68	-	45.42	0.00	3,419.26

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	07/09/13	3,464.68	-	45.42	0.00	3,419.26
MW - 3	07/26/13	3,464.68	-	45.42	0.00	3,419.26
MW - 3	07/29/13	3,464.68	-	45.43	0.00	3,419.25
MW - 3	08/01/13	3,464.68	-	45.40	0.00	3,419.28
MW - 3	08/06/13	3,464.68	-	45.44	0.00	3,419.24
MW - 3	08/15/13	3,464.68	-	45.42	0.00	3,419.26
MW - 3	08/20/13	3,464.68	-	45.46	0.00	3,419.22
MW - 3	09/12/13	3,464.68	-	45.53	0.00	3,419.15
MW - 3	09/19/13	3,464.68	-	45.56	0.00	3,419.12
MW - 3	09/25/13	3,464.68	-	45.50	0.00	3,419.18
MW - 3	10/01/13	3,464.68	-	45.56	0.00	3,419.12
MW - 3	10/09/13	3,464.68	-	45.53	0.00	3,419.15
MW - 3	10/24/13	3,464.68	-	45.13	0.00	3,419.55
MW - 3	10/29/13	3,464.68	-	45.28	0.00	3,419.40
MW - 3	11/04/13	3,464.68	-	45.43	0.00	3,419.25
MW - 3	11/05/13	3,464.68	-	45.34	0.00	3,419.34
MW - 3	12/02/13	3,464.68	-	45.50	0.00	3,419.18
MW - 3	12/10/13	3,464.68	-	45.46	0.00	3,419.22
MW - 3	12/17/13	3,464.68	-	45.47	0.00	3,419.21
MW - 3	12/23/13	3,464.68	-	45.56	0.00	3,419.12
MW - 3	01/01/14	3,464.68	-	45.41	0.00	3,419.27
MW - 3	01/07/14	3,464.68	-	45.44	0.00	3,419.24
MW - 3	01/16/14	3,464.68	-	45.46	0.00	3,419.22
MW - 3	01/23/14	3,464.68	-	45.46	0.00	3,419.22
MW - 3	01/28/14	3,464.68	-	45.49	0.00	3,419.19
MW - 3	02/11/14	3,464.68	-	45.48	0.00	3,419.20
MW - 3	02/26/14	3,464.68	-	45.41	0.00	3,419.27
MW - 3	03/21/14	3,464.68	-	45.39	0.00	3,419.29
MW - 3	03/29/14	3,464.68	-	45.40	0.00	3,419.28
MW - 3	04/10/14	3,464.68	-	45.38	0.00	3,419.30
MW - 3	04/17/14	3,464.68	-	45.47	0.00	3,419.21
MW - 3	04/17/14	3,464.68	-	45.40	0.00	3,419.28
MW - 3	04/24/14	3,464.68	-	45.41	0.00	3,419.27
MW - 3	05/01/14	3,464.68	-	45.43	0.00	3,419.25
MW - 3	05/06/14	3,464.68	-	45.39	0.00	3,419.29
MW - 3	05/12/14	3,464.68	-	45.42	0.00	3,419.26
MW - 3	05/23/14	3,464.68	-	45.44	0.00	3,419.24
MW - 3	05/27/14	3,464.68	-	45.43	0.00	3,419.25
MW - 3	06/05/14	3,464.68	-	45.45	0.00	3,419.23
MW - 3	06/18/14	3,464.68	-	45.48	0.00	3,419.20
MW - 3	07/01/14	3,464.68	-	45.46	0.00	3,419.22
MW - 3	07/23/14	3,464.68	-	45.57	0.00	3,419.11

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PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	08/11/14	3,464.68	-	45.60	0.00	3,419.08
MW - 3	08/21/14	3,464.68	-	45.45	0.00	3,419.23
MW - 3	09/04/14	3,464.68	-	45.56	0.00	3,419.12
MW - 3	10/28/14	3,464.68	-	44.95	0.00	3,419.73
MW - 3	11/15/14	3,464.68	-	44.82	0.00	3,419.86
MW - 3	02/18/15	3,464.68	-	45.05	0.00	3,419.63
MW - 3	03/19/15	3,464.68	-	45.07	0.00	3,419.61
MW - 3	04/16/15	3,464.68	-	45.06	0.00	3,419.62
MW - 3	05/28/15	3,464.68	-	45.09	0.00	3,419.59
MW - 3	07/21/15	3,464.68	-	45.23	0.00	3,419.45
MW - 3	08/20/15	3,464.68	-	45.35	0.00	3,419.33
MW - 3	09/11/15	3,464.68	-	45.35	0.00	3,419.33
MW - 3	10/15/15	3,464.68	-	45.32	0.00	3,419.36
MW - 3	11/30/15	3,464.68	-	45.20	0.00	3,419.48
MW - 3	12/11/15	3,464.68	-	45.18	0.00	3,419.50
MW - 3	01/19/16	3,464.68	-	45.25	0.00	3,419.43
MW - 3	02/25/16	3,464.68	-	45.23	0.00	3,419.45
MW - 3	03/17/16	3,464.68	-	45.18	0.00	3,419.50
MW - 3	04/13/16	3,464.68	-	45.23	0.00	3,419.45
MW - 3	06/02/16	3,464.68	-	45.26	0.00	3,419.42
MW - 3	06/30/16	3,464.68	-	45.32	0.00	3,419.36
MW - 3	07/26/16	3,464.68	-	45.41	0.00	3,419.27
MW - 3	09/12/16	3,464.68	-	44.86	0.00	3,419.82
MW - 3	10/12/16	3,464.68	-	44.83	0.00	3,419.85
MW - 3	12/01/16	3,464.68	-	45.04	0.00	3,419.64
MW - 3	12/28/16	3,464.68	-	45.08	0.00	3,419.60
MW - 4	03/08/00	3,465.76	-	46.80	0.00	3,418.96
MW - 4	05/12/00	3,465.76	-	45.87	0.00	3,419.89
MW - 4	09/11/00	3,465.76	-	46.83	0.00	3,418.93
MW - 4	12/11/00	3,465.76	-	46.89	0.00	3,418.87
MW - 4	03/19/01	3,465.76	-	46.80	0.00	3,418.96
MW - 4	05/30/01	3,465.76	-	46.89	0.00	3,418.87
MW - 4	09/25/01	3,465.76	-	47.05	0.00	3,418.71
MW - 4	11/20/01	3,465.76	-	47.07	0.00	3,418.69
MW - 4	02/20/02	3,465.76	-	47.02	0.00	3,418.74
MW - 4	06/25/02	3,465.76	-	47.13	0.00	3,418.63
MW - 4	09/17/02	3,465.76	-	47.11	0.00	3,418.65
MW - 4	11/20/02	3,465.76	-	47.10	0.00	3,418.66
MW - 4	01/21/03	3,465.76	-	46.94	0.00	3,418.82
MW - 4	02/10/03	3,465.76	-	46.95	0.00	3,418.81
MW - 4	05/15/03	3,465.76	-	47.02	0.00	3,418.74

TABLE 1
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PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	08/26/03	3,465.76	-	47.19	0.00	3,418.57
MW - 4	11/24/03	3,465.76	-	47.26	0.00	3,418.50
MW - 4	02/18/04	3,465.76	-	47.22	0.00	3,418.54
MW - 4	05/03/04	3,465.76	48.28	48.50	0.22	3,417.45
MW - 4	05/12/04	3,465.76	-	46.96	0.00	3,418.80
MW - 4	08/23/04	3,465.76	-	46.46	0.00	3,419.30
MW - 4	12/07/04	3,465.76	-	45.81	0.00	3,419.95
MW - 4	03/09/05	3,465.76	-	45.89	0.00	3,419.87
MW - 4	06/09/05	3,465.76	46.96	47.05	0.09	3,418.79
MW - 4	08/09/05	3,465.76	-	45.84	0.00	3,419.92
MW - 4	09/01/05	3,465.76	-	45.67	0.00	3,420.09
MW - 4	09/08/05	3,465.76	-	45.71	0.00	3,420.05
MW - 4	11/10/05	3,465.76	-	45.83	0.00	3,419.93
MW - 4	12/01/05	3,465.76	-	45.90	0.00	3,419.86
MW - 4	03/07/06	3,465.76	-	45.96	0.00	3,419.80
MW - 4	06/06/06	3,465.76	-	46.03	0.00	3,419.73
MW - 4	09/15/06	3,465.76	-	45.97	0.00	3,419.79
MW - 4	11/20/06	3,465.76	-	46.02	0.00	3,419.74
MW - 4	02/23/07	3,465.76	-	46.06	0.00	3,419.70
MW - 4	05/18/07	3,465.76	-	46.03	0.00	3,419.73
MW - 4	08/21/07	3,465.76	-	46.08	0.00	3,419.68
MW - 4	11/05/07	3,465.76	-	46.09	0.00	3,419.67
MW - 4	02/08/08	3,465.76	-	46.11	0.00	3,419.65
MW - 4	05/08/08	3,465.76	-	46.00	0.00	3,419.76
MW - 4	06/05/08	3,465.76	-	46.40	0.00	3,419.36
MW - 4	08/13/08	3,465.76	-	46.44	0.00	3,419.32
MW - 4	11/06/08	3,465.76	-	46.28	0.00	3,419.48
MW - 4	02/04/09	3,465.76	-	46.28	0.00	3,419.48
MW - 4	05/08/09	3,465.76	-	46.17	0.00	3,419.59
MW - 4	08/05/09	3,465.76	-	46.25	0.00	3,419.51
MW - 4	11/16/09	3,465.76	-	46.39	0.00	3,419.37
MW - 4	01/06/10	3,465.76	-	46.31	0.00	3,419.45
MW - 4	02/08/10	3,465.76	-	46.31	0.00	3,419.45
MW - 4	05/11/10	3,465.76	-	46.37	0.00	3,419.39
MW - 4	08/10/10	3,465.76	-	46.36	0.00	3,419.40
MW - 4	11/09/10	3,465.76	-	46.40	0.00	3,419.36
MW - 4	02/15/11	3,465.76	-	46.40	0.00	3,419.36
MW - 4	05/05/11	3,465.76	-	46.41	0.00	3,419.35
MW - 4	08/04/11	3,465.76	-	46.40	0.00	3,419.36
MW - 4	11/21/11	3,465.76	-	46.61	0.00	3,419.15
MW - 4	02/13/12	3,465.76	-	46.52	0.00	3,419.24
MW - 4	05/29/12	3,465.76	-	46.44	0.00	3,419.32

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	08/10/12	3,465.76	-	46.56	0.00	3,419.20
MW - 4	11/06/12	3,465.76	-	46.59	0.00	3,419.17
MW - 4	02/06/13	3,465.76	-	46.52	0.00	3,419.24
MW - 4	05/08/13	3,465.76	-	46.52	0.00	3,419.24
MW - 4	08/01/13	3,465.76	-	46.61	0.00	3,419.15
MW - 4	11/05/13	3,465.76	-	46.58	0.00	3,419.18
MW - 4	02/26/14	3,465.76	-	46.58	0.00	3,419.18
MW - 4	05/12/14	3,465.76	-	46.60	0.00	3,419.16
MW - 4	07/23/14	3,465.76	-	46.73	0.00	3,419.03
MW - 4	08/11/14	3,465.76	-	46.78	0.00	3,418.98
MW - 4	10/28/14	3,465.76	-	46.33	0.00	3,419.43
MW - 4	11/15/14	3,465.76	-	46.32	0.00	3,419.44
MW - 4	12/18/14	3,465.76	-	46.31	0.00	3,419.45
MW - 4	02/18/15	3,465.76	-	46.27	0.00	3,419.49
MW - 4	03/19/15	3,465.76	-	45.28	0.00	3,420.48
MW - 4	04/16/15	3,465.76	-	46.26	0.00	3,419.50
MW - 4	05/28/15	3,465.76	-	46.30	0.00	3,419.46
MW - 4	07/21/15	3,465.76	-	46.47	0.00	3,419.29
MW - 4	08/20/15	3,465.76	-	46.54	0.00	3,419.22
MW - 4	09/11/15	3,465.76	-	46.53	0.00	3,419.23
MW - 4	10/15/15	3,465.76	-	46.50	0.00	3,419.26
MW - 4	11/30/15	3,465.76	-	46.43	0.00	3,419.33
MW - 4	12/11/15	3,465.76	-	46.39	0.00	3,419.37
MW - 4	01/19/16	3,465.76	-	46.40	0.00	3,419.36
MW - 4	02/25/16	3,465.76	-	46.43	0.00	3,419.33
MW - 4	03/17/16	3,465.76	-	46.38	0.00	3,419.38
MW - 4	04/13/16	3,465.76	-	46.39	0.00	3,419.37
MW - 4	06/02/16	3,465.76	-	46.45	0.00	3,419.31
MW - 4	06/30/16	3,465.76	-	46.51	0.00	3,419.25
MW - 4	07/26/16	3,465.76	-	46.61	0.00	3,419.15
MW - 4	09/12/16	3,465.76	-	46.37	0.00	3,419.39
MW - 4	10/12/16	3,465.76	-	46.26	0.00	3,419.50
MW - 4	12/01/16	3,465.76	-	46.30	0.00	3,419.46
MW - 4	12/28/16	3,465.76	-	46.31	0.00	3,419.45
MW - 5	03/08/00	3,467.40	-	48.47	0.00	3,418.93
MW - 5	05/12/00	3,467.40	-	48.53	0.00	3,418.87
MW - 5	09/11/00	3,467.40	-	48.52	0.00	3,418.88
MW - 5	12/11/00	3,467.40	-	48.52	0.00	3,418.88
MW - 5	03/19/01	3,467.40	-	48.47	0.00	3,418.93
MW - 5	05/30/01	3,467.40	-	48.56	0.00	3,418.84
MW - 5	09/25/01	3,467.40	-	48.72	0.00	3,418.68

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	11/20/01	3,467.40	-	48.73	0.00	3,418.67
MW - 5	02/20/02	3,467.40	-	48.69	0.00	3,418.71
MW - 5	06/25/02	3,467.40	-	48.78	0.00	3,418.62
MW - 5	09/17/02	3,467.40	-	48.77	0.00	3,418.63
MW - 5	11/20/02	3,467.40	-	48.77	0.00	3,418.63
MW - 5	01/21/03	3,467.40	-	48.63	0.00	3,418.77
MW - 5	02/10/03	3,467.40	-	48.57	0.00	3,418.83
MW - 5	05/15/03	3,467.40	-	48.69	0.00	3,418.71
MW - 5	08/26/03	3,467.40	-	48.88	0.00	3,418.52
MW - 5	11/24/03	3,467.40	-	48.94	0.00	3,418.46
MW - 5	02/18/04	3,467.40	-	48.88	0.00	3,418.52
MW - 5	05/12/04	3,467.40	-	48.64	0.00	3,418.76
MW - 5	08/23/04	3,467.40	-	48.15	0.00	3,419.25
MW - 5	12/07/04	3,467.40	-	47.55	0.00	3,419.85
MW - 5	03/09/05	3,467.40	-	47.60	0.00	3,419.80
MW - 5	06/09/05	3,467.40	-	47.67	0.00	3,419.73
MW - 5	08/09/05	3,467.40	sheen	47.56	0.00	3,419.84
MW - 5	09/01/05	3,467.40	-	47.43	0.00	3,419.97
MW - 5	09/08/05	3,467.40	-	47.47	0.00	3,419.93
MW - 5	12/01/05	3,467.40	-	47.66	0.00	3,419.74
MW - 5	03/07/06	3,467.40	-	47.71	0.00	3,419.69
MW - 5	06/06/06	3,467.40	-	47.78	0.00	3,419.62
MW - 5	09/15/06	3,467.40	-	47.74	0.00	3,419.66
MW - 5	11/20/06	3,467.40	-	47.82	0.00	3,419.58
MW - 5	02/23/07	3,467.40	-	47.83	0.00	3,419.57
MW - 5	05/18/07	3,467.40	-	47.81	0.00	3,419.59
MW - 5	08/21/07	3,467.40	-	47.85	0.00	3,419.55
MW - 5	11/05/07	3,467.40	-	47.88	0.00	3,419.52
MW - 5	02/08/08	3,467.40	-	47.91	0.00	3,419.49
MW - 5	05/08/08	3,467.40	-	47.78	0.00	3,419.62
MW - 5	08/13/08	3,467.40	-	48.02	0.00	3,419.38
MW - 5	11/06/08	3,467.40	-	48.04	0.00	3,419.36
MW - 5	02/04/09	3,467.40	-	48.03	0.00	3,419.37
MW - 5	05/08/09	3,467.40	-	47.94	0.00	3,419.46
MW - 5	08/05/09	3,467.40	-	48.02	0.00	3,419.38
MW - 5	11/16/09	3,467.40	-	48.14	0.00	3,419.26
MW - 5	01/06/10	3,467.40	-	48.05	0.00	3,419.35
MW - 5	02/08/10	3,467.40	-	48.05	0.00	3,419.35
MW - 5	05/11/10	3,467.40	-	48.07	0.00	3,419.33
MW - 5	08/10/10	3,467.40	-	48.08	0.00	3,419.32
MW - 5	11/09/10	3,467.40	-	48.15	0.00	3,419.25
MW - 5	02/15/11	3,467.40	-	48.14	0.00	3,419.26

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	05/05/11	3,467.40	-	48.14	0.00	3,419.26
MW - 5	08/04/11	3,467.40	-	48.16	0.00	3,419.24
MW - 5	11/21/11	3,467.40	-	48.36	0.00	3,419.04
MW - 5	02/13/12	3,467.40	-	48.26	0.00	3,419.14
MW - 5	05/29/12	3,467.40	-	48.19	0.00	3,419.21
MW - 5	08/10/12	3,467.40	-	48.29	0.00	3,419.11
MW - 5	11/06/12	3,467.40	-	48.34	0.00	3,419.06
MW - 5	02/06/13	3,467.40	-	48.28	0.00	3,419.12
MW - 5	05/08/13	3,467.40	-	48.28	0.00	3,419.12
MW - 5	08/01/13	3,467.40	-	48.37	0.00	3,419.03
MW - 5	11/05/13	3,467.40	-	48.32	0.00	3,419.08
MW - 5	02/26/14	3,467.40	-	48.31	0.00	3,419.09
MW - 5	05/12/14	3,467.40	-	48.33	0.00	3,419.07
MW - 5	07/23/14	3,467.40	-	48.46	0.00	3,418.94
MW - 5	08/11/14	3,467.40	-	48.50	0.00	3,418.90
MW - 5	10/28/14	3,467.40	-	48.04	0.00	3,419.36
MW - 5	11/15/14	3,467.40	-	48.01	0.00	3,419.39
MW - 5	02/18/15	3,467.40	-	47.97	0.00	3,419.43
MW - 5	03/19/15	3,467.40	-	47.99	0.00	3,419.41
MW - 5	04/16/15	3,467.40	-	47.98	0.00	3,419.42
MW - 5	05/28/15	3,467.40	-	48.03	0.00	3,419.37
MW - 5	07/21/15	3,467.40	-	48.20	0.00	3,419.20
MW - 5	08/20/15	3,467.40	-	48.27	0.00	3,419.13
MW - 5	09/11/15	3,467.40	-	48.28	0.00	3,419.12
MW - 5	10/15/15	3,467.40	-	48.24	0.00	3,419.16
MW - 5	11/30/15	3,467.40	-	48.17	0.00	3,419.23
MW - 5	12/11/15	3,467.40	-	48.15	0.00	3,419.25
MW - 5	01/19/16	3,467.40	-	48.14	0.00	3,419.26
MW - 5	02/25/16	3,467.40	-	48.16	0.00	3,419.24
MW - 5	03/17/16	3,467.40	-	48.12	0.00	3,419.28
MW - 5	04/13/16	3,467.40	-	48.13	0.00	3,419.27
MW - 5	06/02/16	3,467.40	-	48.19	0.00	3,419.21
MW - 5	06/30/16	3,467.40	-	48.27	0.00	3,419.13
MW - 5	07/26/16	3,467.40	-	48.34	0.00	3,419.06
MW - 5	08/23/16	3,467.40	-	48.30	0.00	3,419.10
MW - 5	09/12/16	3,467.40	-	48.11	0.00	3,419.29
MW - 5	10/12/16	3,467.40	-	47.97	0.00	3,419.43
MW - 5	12/01/16	3,467.40	-	48.04	0.00	3,419.36
MW - 5	12/28/16	3,467.40	-	48.05	0.00	3,419.35
MW - 6	03/08/00	3,465.42	-	45.98	0.00	3,419.44
MW - 6	05/12/00	3,465.42	46.17	46.65	0.48	3,419.18

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	09/11/00	3,465.42	46.06	46.57	0.51	3,419.28
MW - 6	12/11/00	3,465.42	46.21	46.43	0.22	3,419.18
MW - 6	03/19/01	3,465.42	45.96	45.98	0.02	3,419.46
MW - 6	05/30/01	3,465.42	46.13	46.89	0.76	3,419.18
MW - 6	09/25/01	3,465.42	46.21	47.81	1.60	3,418.97
MW - 6	11/20/01	3,465.42	46.13	48.23	2.10	3,418.98
MW - 6	02/20/02	3,465.42	46.05	48.55	2.50	3,419.00
MW - 6	06/25/02	3,465.42	46.38	46.81	0.43	3,418.98
MW - 6	09/17/02	3,465.42	46.35	46.77	0.42	3,419.01
MW - 6	11/07/02	3,465.42	46.40	46.69	0.29	3,418.98
MW - 6	11/20/02	3,465.42	46.46	46.48	0.02	3,418.96
MW - 6	01/07/03	3,465.42	46.30	46.52	0.22	3,419.09
MW - 6	01/13/03	3,465.42	46.31	46.47	0.16	3,419.09
MW - 6	01/21/03	3,465.42	46.29	46.51	0.22	3,419.10
MW - 6	01/27/03	3,465.42	46.26	46.43	0.17	3,419.13
MW - 6	02/10/03	3,465.42	46.27	46.51	0.24	3,419.11
MW - 6	02/19/03	3,465.42	46.40	46.48	0.08	3,419.01
MW - 6	02/26/03	3,465.42	46.23	46.51	0.28	3,419.15
MW - 6	03/05/03	3,465.42	46.32	46.51	0.19	3,419.07
MW - 6	03/20/03	3,465.42	46.38	46.50	0.12	3,419.02
MW - 6	03/25/03	3,465.42	46.26	46.58	0.32	3,419.11
MW - 6	04/03/03	3,465.42	46.24	46.47	0.23	3,419.15
MW - 6	04/16/03	3,465.42	46.34	46.52	0.18	3,419.05
MW - 6	05/08/03	3,465.42	46.35	46.58	0.23	3,419.04
MW - 6	05/15/03	3,465.42	46.27	46.55	0.28	3,419.11
MW - 6	05/20/03	3,465.42	46.41	46.67	0.26	3,418.97
MW - 6	05/27/03	3,465.42	46.38	46.72	0.34	3,418.99
MW - 6	06/03/03	3,465.42	46.28	46.86	0.58	3,419.05
MW - 6	06/05/03	3,465.42	46.21	47.43	1.22	3,419.03
MW - 6	06/25/03	3,465.42	46.44	47.70	1.26	3,418.79
MW - 6	07/02/03	3,465.42	46.45	46.74	0.29	3,418.93
MW - 6	07/07/03	3,465.42	46.35	47.90	1.55	3,418.84
MW - 6	07/30/03	3,465.42	46.23	47.93	1.70	3,418.94
MW - 6	08/04/03	3,465.42	46.45	48.12	1.67	3,418.72
MW - 6	08/13/03	3,465.42	46.68	46.52	0.16	3,419.04
MW - 6	08/20/03	3,465.42	46.52	48.42	1.90	3,418.62
MW - 6	08/26/03	3,465.42	46.76	46.78	0.02	3,418.66
MW - 6	09/08/03	3,465.42	46.76	46.97	0.21	3,418.63
MW - 6	09/15/03	3,465.42	46.78	46.92	0.14	3,418.62
MW - 6	09/24/03	3,465.42	46.77	46.99	0.22	3,418.62
MW - 6	09/30/03	3,465.42	46.51	46.55	0.04	3,418.90
MW - 6	10/07/03	3,465.42	46.46	47.15	0.69	3,418.86

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	10/14/03	3,465.42	46.71	47.82	1.11	3,418.54
MW - 6	10/27/03	3,465.42	46.67	48.10	1.43	3,418.54
MW - 6	11/04/03	3,465.42	46.86	47.53	0.67	3,418.46
MW - 6	11/10/03	3,465.42	46.96	47.71	0.75	3,418.35
MW - 6	11/17/03	3,465.42	46.48	47.71	1.23	3,418.76
MW - 6	11/24/03	3,465.42	46.49	47.85	1.36	3,418.73
MW - 6	12/08/03	3,465.42	46.43	47.98	1.55	3,418.76
MW - 6	01/02/04	3,465.42	46.28	47.95	1.67	3,418.89
MW - 6	01/06/04	3,465.42	46.26	47.83	1.57	3,418.92
MW - 6	01/27/04	3,465.42	46.74	48.63	1.89	3,418.40
MW - 6	02/02/04	3,465.42	46.81	48.62	1.81	3,418.34
MW - 6	02/18/04	3,465.42	46.25	47.74	1.49	3,418.95
MW - 6	02/23/04	3,465.42	46.36	47.09	0.73	3,418.95
MW - 6	03/01/04	3,465.42	46.37	47.08	0.71	3,418.94
MW - 6	03/10/04	3,465.42	46.34	47.09	0.75	3,418.97
MW - 6	03/15/04	3,465.42	46.15	48.56	2.41	3,418.91
MW - 6	03/23/04	3,465.42	46.65	49.16	2.51	3,418.39
MW - 6	03/30/04	3,465.42	46.69	49.10	2.41	3,418.37
MW - 6	04/07/04	3,465.42	46.64	49.12	2.48	3,418.41
MW - 6	04/12/04	3,465.42	46.62	49.10	2.48	3,418.43
MW - 6	04/15/04	3,465.42	46.62	48.75	2.13	3,418.48
MW - 6	04/19/04	3,465.42	46.08	48.04	1.96	3,419.05
MW - 6	05/03/04	3,465.42	46.28	48.19	1.91	3,418.85
MW - 6	05/11/04	3,465.42	46.46	47.73	1.27	3,418.77
MW - 6	05/12/04	3,465.42	46.09	47.27	1.18	3,419.15
MW - 6	06/09/04	3,465.42	45.98	47.59	1.61	3,419.20
MW - 6	06/16/04	3,465.42	45.99	47.60	1.61	3,419.19
MW - 6	06/22/04	3,465.42	45.96	48.00	2.04	3,419.15
MW - 6	07/07/04	3,465.42	45.92	48.01	2.09	3,419.19
MW - 6	07/13/04	3,465.42	45.98	47.99	2.01	3,419.14
MW - 6	07/21/04	3,465.42	45.57	46.46	0.89	3,419.72
MW - 6	08/11/04	3,465.42	45.58	46.49	0.91	3,419.70
MW - 6	08/17/04	3,465.42	45.65	46.54	0.89	3,419.64
MW - 6	08/23/04	3,465.42	45.60	46.12	0.52	3,419.74
MW - 6	09/13/04	3,465.42	45.67	46.24	0.57	3,419.66
MW - 6	09/20/04	3,465.42	45.65	45.99	0.34	3,419.72
MW - 6	09/29/04	3,465.42	45.99	46.50	0.51	3,419.35
MW - 6	10/04/04	3,465.42	45.89	46.52	0.63	3,419.44
MW - 6	10/12/04	3,465.42	44.75	45.00	0.25	3,420.63
MW - 6	10/19/04	3,465.42	44.80	45.16	0.36	3,420.57
MW - 6	10/25/04	3,465.42	44.89	45.06	0.17	3,420.50
MW - 6	11/01/04	3,465.42	45.05	45.25	0.20	3,420.34

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	11/09/04	3,465.42	45.03	45.11	0.08	3,420.38
MW - 6	11/17/04	3,465.42	45.08	45.41	0.33	3,420.29
MW - 6	11/29/04	3,465.42	45.18	45.45	0.27	3,420.20
MW - 6	12/07/04	3,465.42	45.12	45.41	0.29	3,420.26
MW - 6	12/13/04	3,465.42	45.19	45.45	0.26	3,420.19
MW - 6	12/20/04	3,465.42	45.22	45.40	0.18	3,420.17
MW - 6	12/30/04	3,465.42	45.19	45.50	0.31	3,420.18
MW - 6	01/03/05	3,465.42	45.21	45.47	0.26	3,420.17
MW - 6	01/10/05	3,465.42	45.28	45.36	0.08	3,420.13
MW - 6	01/17/05	3,465.42	45.21	45.59	0.38	3,420.15
MW - 6	01/24/05	3,465.42	45.22	45.52	0.30	3,420.16
MW - 6	01/31/05	3,465.42	45.23	45.47	0.24	3,420.15
MW - 6	02/07/05	3,465.42	45.35	45.70	0.35	3,420.02
MW - 6	02/14/05	3,465.42	45.25	45.48	0.23	3,420.14
MW - 6	02/21/05	3,465.42	45.26	45.54	0.28	3,420.12
MW - 6	02/28/05	3,465.42	45.28	45.40	0.12	3,420.12
MW - 6	03/07/05	3,465.42	45.26	45.40	0.14	3,420.14
MW - 6	03/09/05	3,465.42	45.26	45.40	0.14	3,420.14
MW - 6	03/16/05	3,465.42	45.29	45.45	0.16	3,420.11
MW - 6	03/21/05	3,465.42	45.26	45.55	0.29	3,420.12
MW - 6	03/28/05	3,465.42	45.25	45.60	0.35	3,420.12
MW - 6	04/04/05	3,465.42	sheen	45.25	0.00	3,420.17
MW - 6	04/13/05	3,465.42	45.30	45.50	0.20	3,420.09
MW - 6	04/18/05	3,465.42	45.25	45.40	0.15	3,420.15
MW - 6	05/23/05	3,465.42	45.28	45.68	0.40	3,420.08
MW - 6	06/09/05	3,465.42	45.30	45.70	0.40	3,420.06
MW - 6	06/21/05	3,465.42	45.35	45.75	0.40	3,420.01
MW - 6	07/14/05	3,465.42	45.34	45.70	0.36	3,420.03
MW - 6	07/26/05	3,465.42	45.37	45.63	0.26	3,420.01
MW - 6	08/09/05	3,465.42	45.04	45.23	0.19	3,420.35
MW - 6	08/25/05	3,465.42	44.94	45.10	0.16	3,420.46
MW - 6	09/01/05	3,465.42	44.96	45.08	0.12	3,420.44
MW - 6	09/08/05	3,465.42	45.01	45.34	0.33	3,420.36
MW - 6	09/13/05	3,465.42	45.05	45.41	0.36	3,420.32
MW - 6	09/26/05	3,465.42	45.14	45.34	0.20	3,420.25
MW - 6	10/11/05	3,465.42	45.17	45.50	0.33	3,420.20
MW - 6	10/25/05	3,465.42	45.14	45.65	0.51	3,420.20
MW - 6	11/10/05	3,465.42	45.16	45.72	0.56	3,420.18
MW - 6	11/14/05	3,465.42	45.17	45.75	0.58	3,420.16
MW - 6	12/01/05	3,465.42	45.20	45.82	0.62	3,420.13
MW - 6	12/28/05	3,465.42	45.26	45.96	0.70	3,420.06
MW - 6	01/11/06	3,465.42	45.25	46.00	0.75	3,420.06

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	01/25/06	3,465.42	45.30	46.06	0.76	3,420.01
MW - 6	02/08/06	3,465.42	45.25	46.03	0.78	3,420.05
MW - 6	02/23/06	3,465.42	45.26	45.99	0.73	3,420.05
MW - 6	03/07/06	3,465.42	45.25	46.06	0.81	3,420.05
MW - 6	03/08/06	3,465.42	45.25	46.05	0.80	3,420.05
MW - 6	03/20/06	3,465.42	45.27	46.10	0.83	3,420.03
MW - 6	03/30/06	3,465.42	45.27	46.06	0.79	3,420.03
MW - 6	05/03/06	3,465.42	45.30	46.15	0.85	3,419.99
MW - 6	06/01/06	3,465.42	45.31	46.42	1.11	3,419.94
MW - 6	06/06/06	3,465.42	45.33	46.21	0.88	3,419.96
MW - 6	06/14/06	3,465.42	45.31	46.39	1.08	3,419.95
MW - 6	06/29/06	3,465.42	45.35	46.24	0.89	3,419.94
MW - 6	07/13/06	3,465.42	45.34	46.23	0.89	3,419.95
MW - 6	07/27/06	3,465.42	45.36	46.31	0.95	3,419.92
MW - 6	08/10/06	3,465.42	45.38	46.32	0.94	3,419.90
MW - 6	09/15/06	3,465.42	45.29	46.18	0.89	3,420.00
MW - 6	10/03/06	3,465.42	45.31	46.19	0.88	3,419.98
MW - 6	11/20/06	3,465.42	45.34	46.34	1.00	3,419.93
MW - 6	01/11/07	3,465.42	45.35	46.36	1.01	3,419.92
MW - 6	02/15/07	3,465.42	45.34	46.40	1.06	3,419.92
MW - 6	02/23/07	3,465.42	45.39	46.48	1.09	3,419.87
MW - 6	03/08/07	3,465.42	45.39	46.53	1.14	3,419.86
MW - 6	03/28/07	3,465.42	45.39	46.08	0.69	3,419.93
MW - 6	04/25/07	3,465.42	45.34	46.40	1.06	3,419.92
MW - 6	05/04/07	3,465.42	45.32	46.28	0.96	3,419.96
MW - 6	05/18/07	3,465.42	45.31	46.24	0.93	3,419.97
MW - 6	06/14/07	3,465.42	45.29	46.16	0.87	3,420.00
MW - 6	07/12/07	3,465.42	45.29	46.18	0.89	3,420.00
MW - 6	08/21/07	3,465.42	45.33	46.36	1.03	3,419.94
MW - 6	09/14/07	3,465.42	45.37	46.46	1.09	3,419.89
MW - 6	09/26/07	3,465.42	45.37	46.44	1.07	3,419.89
MW - 6	10/03/07	3,465.42	45.38	46.35	0.97	3,419.89
MW - 6	10/10/07	3,465.42	45.40	46.42	1.02	3,419.87
MW - 6	10/17/07	3,465.42	45.34	46.31	0.97	3,419.93
MW - 6	11/05/07	3,465.42	45.34	46.33	0.99	3,419.93
MW - 6	11/07/07	3,465.42	45.36	46.35	0.99	3,419.91
MW - 6	12/18/07	3,465.42	45.33	46.38	1.05	3,419.93
MW - 6	02/15/08	3,465.42	45.33	46.34	1.01	3,419.94
MW - 6	02/22/08	3,465.42	45.33	46.29	0.96	3,419.95
MW - 6	04/04/08	3,465.42	45.33	46.32	0.99	3,419.94
MW - 6	05/08/08	3,465.42	45.31	46.34	1.03	3,419.96
MW - 6	05/16/08	3,465.42	45.33	46.31	0.98	3,419.94

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	06/05/08	3,465.42	45.31	46.30	0.99	3,419.96
MW - 6	06/27/08	3,465.42	45.38	46.48	1.10	3,419.88
MW - 6	07/15/08	3,465.42	45.42	46.61	1.19	3,419.82
MW - 6	08/12/08	3,465.42	45.45	46.76	1.31	3,419.77
MW - 6	08/13/08	3,465.42	45.45	46.76	1.31	3,419.77
MW - 6	09/25/08	3,465.42	45.49	46.81	1.32	3,419.73
MW - 6	09/30/08	3,465.42	45.47	46.68	1.21	3,419.77
MW - 6	10/08/08	3,465.42	45.47	46.73	1.26	3,419.76
MW - 6	10/24/08	3,465.42	45.43	46.73	1.30	3,419.80
MW - 6	11/06/08	3,465.42	45.46	46.76	1.30	3,419.77
MW - 6	11/08/08	3,465.42	45.43	46.38	0.95	3,419.85
MW - 6	12/17/08	3,465.42	45.50	46.89	1.39	3,419.71
MW - 6	12/30/08	3,465.42	46.28	46.45	0.17	3,419.11
MW - 6	01/07/09	3,465.42	45.48	46.87	1.39	3,419.73
MW - 6	01/22/09	3,465.42	46.34	46.51	0.17	3,419.05
MW - 6	01/26/09	3,465.42	45.45	46.82	1.37	3,419.76
MW - 6	02/05/09	3,465.42	45.46	46.76	1.30	3,419.77
MW - 6	02/13/09	3,465.42	45.43	46.79	1.36	3,419.79
MW - 6	02/27/09	3,465.42	45.49	46.70	1.21	3,419.75
MW - 6	03/03/09	3,465.42	45.33	46.75	1.42	3,419.88
MW - 6	03/10/09	3,465.42	45.35	46.68	1.33	3,419.87
MW - 6	03/18/09	3,465.42	45.44	46.50	1.06	3,419.82
MW - 6	03/27/09	3,465.42	45.43	46.43	1.00	3,419.84
MW - 6	04/02/09	3,465.42	45.60	46.75	1.15	3,419.65
MW - 6	04/07/09	3,465.42	45.44	46.41	0.97	3,419.83
MW - 6	04/14/09	3,465.42	45.44	46.35	0.91	3,419.84
MW - 6	04/28/09	3,465.42	45.44	46.39	0.95	3,419.84
MW - 6	05/07/09	3,465.42	45.43	46.19	0.76	3,419.88
MW - 6	05/08/09	3,465.42	45.43	46.19	0.76	3,419.88
MW - 6	06/02/09	3,465.42	45.42	46.60	1.18	3,419.82
MW - 6	06/11/09	3,465.42	45.42	46.53	1.11	3,419.83
MW - 6	06/16/09	3,465.42	45.41	46.33	0.92	3,419.87
MW - 6	06/26/09	3,465.42	45.44	46.43	0.99	3,419.83
MW - 6	06/30/09	3,465.42	45.42	46.31	0.89	3,419.87
MW - 6	07/07/09	3,465.42	45.46	46.54	1.08	3,419.80
MW - 6	07/15/09	3,465.42	45.50	46.59	1.09	3,419.76
MW - 6	07/21/09	3,465.42	45.57	46.57	1.00	3,419.70
MW - 6	07/28/09	3,465.42	45.43	46.53	1.10	3,419.83
MW - 6	07/31/09	3,465.42	45.51	46.55	1.04	3,419.75
MW - 6	08/05/09	3,465.42	45.49	46.61	1.12	3,419.76
MW - 6	08/06/09	3,465.42	45.45	46.60	1.15	3,419.80
MW - 6	08/13/09	3,465.42	45.47	46.59	1.12	3,419.78

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	08/19/09	3,465.42	45.49	46.52	1.03	3,419.78
MW - 6	08/25/09	3,465.42	45.53	46.55	1.02	3,419.74
MW - 6	09/01/09	3,465.42	45.53	46.75	1.22	3,419.71
MW - 6	09/08/09	3,465.42	45.43	46.53	1.10	3,419.83
MW - 6	09/15/09	3,465.42	45.44	46.51	1.07	3,419.82
MW - 6	09/25/09	3,465.42	45.53	46.96	1.43	3,419.68
MW - 6	09/28/09	3,465.42	45.59	46.79	1.20	3,419.65
MW - 6	10/02/09	3,465.42	45.58	46.73	1.15	3,419.67
MW - 6	10/05/09	3,465.42	45.63	46.62	0.99	3,419.64
MW - 6	10/06/09	3,465.42	45.60	46.72	1.12	3,419.65
MW - 6	10/09/09	3,465.42	45.60	46.72	1.12	3,419.65
MW - 6	10/12/09	3,465.42	45.66	46.66	1.00	3,419.61
MW - 6	10/22/09	3,465.42	45.55	46.91	1.36	3,419.67
MW - 6	10/29/09	3,465.42	45.57	46.80	1.23	3,419.67
MW - 6	11/06/09	3,465.42	45.57	46.82	1.25	3,419.66
MW - 6	11/16/09	3,465.42	45.61	47.00	1.39	3,419.60
MW - 6	11/25/09	3,465.42	45.55	46.93	1.38	3,419.66
MW - 6	12/11/09	3,465.42	45.55	46.93	1.38	3,419.66
MW - 6	12/22/09	3,465.42	45.45	46.43	0.98	3,419.82
MW - 6	01/06/09	3,465.42	45.54	46.96	1.42	3,419.67
MW - 6	01/20/10	3,465.42	45.50	46.79	1.29	3,419.73
MW - 6	02/08/10	3,465.42	45.56	46.95	1.39	3,419.65
MW - 6	03/03/10	3,465.42	45.53	46.99	1.46	3,419.67
MW - 6	03/16/10	3,465.42	45.51	46.77	1.26	3,419.72
MW - 6	03/23/10	3,465.42	45.58	46.71	1.13	3,419.67
MW - 6	04/05/10	3,465.42	45.46	46.61	1.15	3,419.79
MW - 6	04/15/10	3,465.42	45.57	46.85	1.28	3,419.66
MW - 6	05/11/10	3,465.42	45.54	46.88	1.34	3,419.68
MW - 6	05/26/10	3,465.42	45.50	46.86	1.36	3,419.72
MW - 6	06/08/10	3,465.42	45.49	46.82	1.33	3,419.73
MW - 6	06/16/10	3,465.42	45.53	46.79	1.26	3,419.70
MW - 6	06/25/10	3,465.42	45.59	46.91	1.32	3,419.63
MW - 6	07/08/10	3,465.42	45.55	47.05	1.50	3,419.65
MW - 6	07/13/10	3,465.42	45.55	46.65	1.10	3,419.71
MW - 6	07/28/10	3,465.42	45.45	46.54	1.09	3,419.81
MW - 6	08/04/10	3,465.42	45.46	46.59	1.13	3,419.79
MW - 6	08/10/10	3,465.42	45.58	46.92	1.34	3,419.64
MW - 6	08/19/10	3,465.42	45.49	46.81	1.32	3,419.73
MW - 6	08/27/10	3,465.42	45.51	46.83	1.32	3,419.71
MW - 6	09/03/10	3,465.42	45.55	46.85	1.30	3,419.68
MW - 6	09/09/10	3,465.42	45.59	46.90	1.31	3,419.63
MW - 6	09/17/10	3,465.42	45.47	46.72	1.25	3,419.76

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	10/01/10	3,465.42	45.58	46.87	1.29	3,419.65
MW - 6	10/06/10	3,465.42	45.59	46.87	1.28	3,419.64
MW - 6	10/13/10	3,465.42	45.54	47.10	1.56	3,419.65
MW - 6	10/26/10	3,465.42	45.61	46.85	1.24	3,419.62
MW - 6	11/05/10	3,465.42	45.51	47.06	1.55	3,419.68
MW - 6	11/09/10	3,465.42	45.60	46.83	1.23	3,419.64
MW - 6	11/12/10	3,465.42	45.48	47.02	1.54	3,419.71
MW - 6	12/10/10	3,465.42	45.55	46.93	1.38	3,419.66
MW - 6	12/13/10	3,465.42	45.62	46.82	1.20	3,419.62
MW - 6	01/27/11	3,465.42	45.61	46.85	1.24	3,419.62
MW - 6	02/15/11	3,465.42	45.59	46.85	1.26	3,419.64
MW - 6	05/05/11	3,465.42	45.60	46.82	1.22	3,419.64
MW - 6	05/12/11	3,465.42	45.57	47.36	1.79	3,419.58
MW - 6	05/16/11	3,465.42	45.59	47.21	1.62	3,419.59
MW - 6	05/26/11	3,465.42	45.60	47.15	1.55	3,419.59
MW - 6	06/09/11	3,465.42	45.59	47.41	1.82	3,419.56
MW - 6	06/29/11	3,465.42	45.61	47.44	1.83	3,419.54
MW - 6	07/05/11	3,465.42	45.60	47.48	1.88	3,419.54
MW - 6	07/15/11	3,465.42	45.63	47.58	1.95	3,419.50
MW - 6	07/22/11	3,465.42	45.62	47.60	1.98	3,419.50
MW - 6	07/28/11	3,465.42	45.65	47.59	1.94	3,419.48
MW - 6	08/04/11	3,465.42	45.63	47.65	2.02	3,419.49
MW - 6	08/11/11	3,465.42	45.64	47.60	1.96	3,419.49
MW - 6	08/24/11	3,465.42	45.68	47.68	2.00	3,419.44
MW - 6	09/02/11	3,465.42	45.74	47.55	1.81	3,419.41
MW - 6	09/07/11	3,465.42	45.71	47.66	1.95	3,419.42
MW - 6	09/09/11	3,465.42	45.78	47.70	1.92	3,419.35
MW - 6	09/23/11	3,465.42	45.77	47.39	1.62	3,419.41
MW - 6	11/21/11	3,465.42	45.68	47.78	2.10	3,419.43
MW - 6	11/28/11	3,465.42	45.69	47.89	2.20	3,419.40
MW - 6	12/09/11	3,465.42	45.68	47.84	2.16	3,419.42
MW - 6	12/21/11	3,465.42	45.68	47.70	2.02	3,419.44
MW - 6	01/26/12	3,465.42	45.64	47.65	2.01	3,419.48
MW - 6	02/02/12	3,465.42	45.63	47.64	2.01	3,419.49
MW - 6	02/07/12	3,465.42	45.67	47.42	1.75	3,419.49
MW - 6	02/13/12	3,465.42	45.63	47.51	1.88	3,419.51
MW - 6	03/07/12	3,465.42	45.61	47.48	1.87	3,419.53
MW - 6	03/23/12	3,465.42	45.65	47.38	1.73	3,419.51
MW - 6	03/30/12	3,465.42	45.63	47.27	1.64	3,419.54
MW - 6	04/05/12	3,465.42	45.63	47.23	1.60	3,419.55
MW - 6	04/13/12	3,465.42	45.64	46.27	0.63	3,419.69
MW - 6	04/26/12	3,465.42	45.62	47.13	1.51	3,419.57

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	05/03/12	3,465.42	45.62	47.16	1.54	3,419.57
MW - 6	05/07/12	3,465.42	45.62	47.06	1.44	3,419.58
MW - 6	05/29/12	3,465.42	45.60	47.34	1.74	3,419.56
MW - 6	06/08/12	3,465.42	45.60	47.39	1.79	3,419.55
MW - 6	06/15/12	3,465.42	45.62	47.41	1.79	3,419.53
MW - 6	06/22/12	3,465.42	45.61	47.44	1.83	3,419.54
MW - 6	06/29/12	3,465.42	45.64	47.43	1.79	3,419.51
MW - 6	07/03/12	3,465.42	45.63	47.34	1.71	3,419.53
MW - 6	08/10/12	3,465.42	45.85	46.57	0.72	3,419.46
MW - 6	08/17/12	3,465.42	45.68	47.79	2.11	3,419.42
MW - 6	09/12/12	3,465.42	45.72	47.83	2.11	3,419.38
MW - 6	10/12/12	3,465.42	45.73	47.86	2.13	3,419.37
MW - 6	10/17/12	3,465.42	45.70	47.89	2.19	3,419.39
MW - 6	10/24/12	3,465.42	45.71	47.88	2.17	3,419.38
MW - 6	11/06/12	3,465.42	45.69	47.89	2.20	3,419.40
MW - 6	12/14/12	3,465.42	45.70	47.60	1.90	3,419.44
MW - 6	12/21/12	3,465.42	45.73	47.73	2.00	3,419.39
MW - 6	02/06/13	3,465.42	45.66	47.71	2.05	3,419.45
MW - 6	02/20/13	3,465.42	45.64	47.64	2.00	3,419.48
MW - 6	03/29/13	3,465.42	45.66	47.62	1.96	3,419.47
MW - 6	04/03/13	3,465.42	45.66	47.66	2.00	3,419.46
MW - 6	04/09/13	3,465.42	45.70	47.35	1.65	3,419.47
MW - 6	04/19/13	3,465.42	45.71	47.48	1.77	3,419.44
MW - 6	04/24/13	3,465.42	45.71	47.27	1.56	3,419.48
MW - 6	05/02/13	3,465.42	45.72	47.50	1.78	3,419.43
MW - 6	05/08/13	3,465.42	45.69	47.32	1.63	3,419.49
MW - 6	05/10/13	3,465.42	45.70	47.40	1.70	3,419.47
MW - 6	05/17/13	3,465.42	45.69	47.31	1.62	3,419.49
MW - 6	05/22/13	3,465.42	45.68	47.36	1.68	3,419.49
MW - 6	05/30/13	3,465.42	45.67	47.42	1.75	3,419.49
MW - 6	06/05/13	3,465.42	45.76	47.27	1.51	3,419.43
MW - 6	06/12/13	3,465.42	45.70	47.36	1.66	3,419.47
MW - 6	06/18/13	3,465.42	45.70	47.35	1.65	3,419.47
MW - 6	06/25/13	3,465.42	45.74	46.91	1.17	3,419.50
MW - 6	07/02/13	3,465.42	45.70	47.53	1.83	3,419.45
MW - 6	07/09/13	3,465.42	45.72	47.61	1.89	3,419.42
MW - 6	07/26/13	3,465.42	45.74	47.73	1.99	3,419.38
MW - 6	07/29/13	3,465.42	45.73	47.70	1.97	3,419.39
MW - 6	08/01/13	3,465.42	45.74	47.49	1.75	3,419.42
MW - 6	08/06/13	3,465.42	45.74	47.64	1.90	3,419.40
MW - 6	08/15/13	3,465.42	45.75	47.70	1.95	3,419.38
MW - 6	08/20/13	3,465.42	45.76	47.77	2.01	3,419.36

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	09/12/13	3,465.42	45.79	47.90	2.11	3,419.31
MW - 6	09/19/13	3,465.42	45.82	47.78	1.96	3,419.31
MW - 6	09/25/13	3,465.42	45.79	47.68	1.89	3,419.35
MW - 6	10/01/13	3,465.42	45.81	47.88	2.07	3,419.30
MW - 6	10/09/13	3,465.42	45.80	47.81	2.01	3,419.32
MW - 6	10/24/13	3,465.42	45.73	47.61	1.88	3,419.41
MW - 6	10/29/13	3,465.42	45.74	47.48	1.74	3,419.42
MW - 6	11/04/13	3,465.42	45.73	47.60	1.87	3,419.41
MW - 6	11/05/13	3,465.42	45.80	47.24	1.44	3,419.40
MW - 6	12/02/13	3,465.42	45.72	47.81	2.09	3,419.39
MW - 6	12/10/13	3,465.42	45.73	47.72	1.99	3,419.39
MW - 6	12/17/13	3,465.42	45.76	47.68	1.92	3,419.37
MW - 6	12/23/13	3,465.42	45.78	47.84	2.06	3,419.33
MW - 6	01/01/14	3,465.42	45.70	47.65	1.95	3,419.43
MW - 6	01/07/14	3,465.42	45.69	47.71	2.02	3,419.43
MW - 6	01/16/14	3,465.42	45.72	47.80	2.08	3,419.39
MW - 6	01/23/14	3,465.42	45.75	47.80	2.05	3,419.36
MW - 6	01/28/14	3,465.42	45.75	47.61	1.86	3,419.39
MW - 6	02/11/14	3,465.42	45.73	47.74	2.01	3,419.39
MW - 6	02/26/14	3,465.42	45.71	47.75	2.04	3,419.40
MW - 6	03/21/14	3,465.42	45.65	47.70	2.05	3,419.46
MW - 6	03/29/14	3,465.42	45.68	47.61	1.93	3,419.45
MW - 6	05/01/14	3,465.42	45.73	47.72	1.99	3,419.39
MW - 6	05/06/14	3,465.42	45.76	47.32	1.56	3,419.43
MW - 6	05/12/14	3,465.42	45.76	47.48	1.72	3,419.40
MW - 6	05/23/14	3,465.42	45.72	47.71	1.99	3,419.40
MW - 6	06/05/14	3,465.42	45.72	47.83	2.11	3,419.38
MW - 6	06/26/14	3,465.42	45.79	47.82	2.03	3,419.33
MW - 6	07/01/14	3,465.42	45.85	47.76	1.91	3,419.28
MW - 6	07/08/14	3,465.42	45.81	47.92	2.11	3,419.29
MW - 6	07/17/14	3,465.42	45.84	47.96	2.12	3,419.26
MW - 6	07/23/14	3,465.42	45.87	47.90	2.03	3,419.25
MW - 6	08/06/14	3,465.42	45.85	47.85	2.00	3,419.27
MW - 6	08/11/14	3,465.42	45.92	47.81	1.89	3,419.22
MW - 6	08/21/14	3,465.42	45.88	47.10	1.22	3,419.36
MW - 6	09/04/14	3,465.42	45.88	48.18	2.30	3,419.20
MW - 6	10/02/14	3,465.42	45.33	46.28	0.95	3,419.95
MW - 6	10/08/14	3,465.42	45.39	46.26	0.87	3,419.90
MW - 6	10/15/14	3,465.42	45.48	46.33	0.85	3,419.81
MW - 6	10/16/14	3,465.42	45.52	45.97	0.45	3,419.83
MW - 6	10/23/14	3,465.42	45.51	46.34	0.83	3,419.79
MW - 6	10/24/14	3,465.42	45.51	46.34	0.83	3,419.79

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	10/28/14	3,465.42	45.54	46.33	0.79	3,419.76
MW - 6	11/07/14	3,465.42	45.52	46.48	0.96	3,419.76
MW - 6	11/15/14	3,465.42	45.50	46.46	0.96	3,419.78
MW - 6	12/11/14	3,465.42	45.52	45.96	0.44	3,419.83
MW - 6	12/18/14	3,465.42	45.50	46.59	1.09	3,419.76
MW - 6	01/07/15	3,465.42	45.56	46.58	1.02	3,419.71
MW - 6	01/15/15	3,465.42	45.56	46.56	1.00	3,419.71
MW - 6	01/28/15	3,465.42	45.56	46.61	1.05	3,419.70
MW - 6	02/04/15	3,465.42	45.50	46.59	1.09	3,419.76
MW - 6	02/13/15	3,465.42	45.51	46.58	1.07	3,419.75
MW - 6	02/17/15	3,465.42	45.51	46.62	1.11	3,419.74
MW - 6	02/18/15	3,465.42	45.52	46.47	0.95	3,419.76
MW - 6	02/24/15	3,465.42	45.50	46.56	1.06	3,419.76
MW - 6	03/10/15	3,465.42	45.52	46.62	1.10	3,419.74
MW - 6	03/17/15	3,465.42	45.53	46.60	1.07	3,419.73
MW - 6	03/19/15	3,465.42	45.51	46.59	1.08	3,419.75
MW - 6	03/25/15	3,465.42	45.50	46.62	1.12	3,419.75
MW - 6	04/07/15	3,465.42	45.52	46.65	1.13	3,419.73
MW - 6	04/14/15	3,465.42	45.52	46.63	1.11	3,419.73
MW - 6	04/16/15	3,465.42	45.49	46.63	1.14	3,419.76
MW - 6	04/21/15	3,465.42	45.52	46.64	1.12	3,419.73
MW - 6	05/06/15	3,465.42	45.51	46.61	1.10	3,419.75
MW - 6	05/20/15	3,465.42	45.53	45.65	0.12	3,419.87
MW - 6	05/28/15	3,465.42	45.54	46.70	1.16	3,419.71
MW - 6	06/02/15	3,465.42	45.54	46.74	1.20	3,419.70
MW - 6	06/09/15	3,465.42	45.58	46.77	1.19	3,419.66
MW - 6	06/18/15	3,465.42	45.59	46.76	1.17	3,419.65
MW - 6	07/03/15	3,465.42	45.61	47.04	1.43	3,419.60
MW - 6	07/06/15	3,465.42	45.58	46.98	1.40	3,419.63
MW - 6	07/17/15	3,465.42	45.60	47.09	1.49	3,419.60
MW - 6	07/21/15	3,465.42	45.62	47.16	1.54	3,419.57
MW - 6	07/28/15	3,465.42	45.63	47.15	1.52	3,419.56
MW - 6	08/05/15	3,465.42	45.64	47.21	1.57	3,419.54
MW - 6	08/11/15	3,465.42	45.65	47.24	1.59	3,419.53
MW - 6	08/12/15	3,465.42	46.82	46.88	0.06	3,418.59
MW - 6	08/20/15	3,465.42	45.65	47.53	1.88	3,419.49
MW - 6	08/21/15	3,465.42	45.65	47.53	1.88	3,419.49
MW - 6	08/27/15	3,465.42	45.69	47.50	1.81	3,419.46
MW - 6	09/01/15	3,465.42	45.70	47.42	1.72	3,419.46
MW - 6	09/09/15	3,465.42	45.70	47.44	1.74	3,419.46
MW - 6	09/11/15	3,465.42	45.71	47.44	1.73	3,419.45
MW - 6	09/17/15	3,465.42	45.71	47.40	1.69	3,419.46

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	09/30/15	3,465.42	45.68	46.13	0.45	3,419.67
MW - 6	10/07/15	3,465.42	45.68	47.42	1.74	3,419.48
MW - 6	10/13/15	3,465.42	45.68	47.49	1.81	3,419.47
MW - 6	10/15/15	3,465.42	45.72	47.10	1.38	3,419.49
MW - 6	10/26/15	3,465.42	45.65	47.35	1.70	3,419.52
MW - 6	11/05/15	3,465.42	45.62	47.21	1.59	3,419.56
MW - 6	11/09/15	3,465.42	45.63	47.05	1.42	3,419.58
MW - 6	11/30/15	3,465.42	45.61	47.24	1.63	3,419.57
MW - 6	12/01/15	3,465.42	45.61	47.23	1.62	3,419.57
MW - 6	12/09/15	3,465.42	45.60	47.21	1.61	3,419.58
MW - 6	12/11/15	3,465.42	45.64	46.84	1.20	3,419.60
MW - 6	12/15/15	3,465.42	45.63	47.25	1.62	3,419.55
MW - 6	12/24/15	3,465.42	45.59	47.13	1.54	3,419.60
MW - 6	01/06/16	3,465.42	45.58	47.11	1.53	3,419.61
MW - 6	01/15/16	3,465.42	45.58	47.17	1.59	3,419.60
MW - 6	01/19/16	3,465.42	45.59	47.17	1.58	3,419.59
MW - 6	01/28/16	3,465.42	45.59	47.17	1.58	3,419.59
MW - 6	02/03/16	3,465.42	45.60	47.17	1.57	3,419.58
MW - 6	02/11/16	3,465.42	45.57	47.15	1.58	3,419.61
MW - 6	02/19/16	3,465.42	45.58	47.60	2.02	3,419.54
MW - 6	02/23/16	3,465.42	45.60	47.11	1.51	3,419.59
MW - 6	02/25/16	3,465.42	45.62	47.11	1.49	3,419.58
MW - 6	03/01/16	3,465.42	45.60	47.13	1.53	3,419.59
MW - 6	03/08/16	3,465.42	45.60	46.97	1.37	3,419.61
MW - 6	03/16/16	3,465.42	45.57	47.02	1.45	3,419.63
MW - 6	03/17/16	3,465.42	45.59	47.02	1.43	3,419.62
MW - 6	03/24/16	3,465.42	45.59	47.08	1.49	3,419.61
MW - 6	03/29/16	3,465.42	45.55	47.05	1.50	3,419.65
MW - 6	04/05/16	3,465.42	45.58	47.10	1.52	3,419.61
MW - 6	04/13/16	3,465.42	45.57	47.10	1.53	3,419.62
MW - 6	04/18/16	3,465.42	45.59	47.15	1.56	3,419.60
MW - 6	04/25/16	3,465.42	45.58	47.09	1.51	3,419.61
MW - 6	05/03/16	3,465.42	45.58	47.08	1.50	3,419.62
MW - 6	05/12/16	3,465.42	45.58	47.12	1.54	3,419.61
MW - 6	05/27/16	3,465.42	45.60	47.20	1.60	3,419.58
MW - 6	06/02/16	3,465.42	45.62	47.17	1.55	3,419.57
MW - 6	06/06/16	3,465.42	45.61	47.24	1.63	3,419.57
MW - 6	06/30/16	3,465.42	45.65	47.48	1.83	3,419.50
MW - 6	07/05/16	3,465.42	45.61	47.52	1.91	3,419.52
MW - 6	07/14/16	3,465.42	45.69	47.66	1.97	3,419.43
MW - 6	07/19/16	3,465.42	45.74	47.50	1.76	3,419.42
MW - 6	07/26/16	3,465.42	45.75	47.58	1.83	3,419.40

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	08/03/16	3,465.42	45.74	47.65	1.91	3,419.39
MW - 6	08/10/16	3,465.42	45.75	47.80	2.05	3,419.36
MW - 6	08/15/16	3,465.42	45.76	47.80	2.04	3,419.35
MW - 6	08/23/16	3,465.42	45.69	47.72	2.03	3,419.43
MW - 6	09/12/16	3,465.42	45.57	46.97	1.40	3,419.64
MW - 6	10/07/16	3,465.42	45.45	46.42	0.97	3,419.82
MW - 6	10/12/16	3,465.42	45.46	46.43	0.97	3,419.81
MW - 6	10/19/16	3,465.42	45.51	46.48	0.97	3,419.76
MW - 6	10/28/16	3,465.42	45.52	46.55	1.03	3,419.75
MW - 6	11/03/16	3,465.42	45.53	46.58	1.05	3,419.73
MW - 6	11/11/16	3,465.42	45.53	46.65	1.12	3,419.72
MW - 6	11/15/16	3,465.42	45.50	46.64	1.14	3,419.75
MW - 6	12/01/16	3,465.42	45.53	46.75	1.22	3,419.71
MW - 6	12/06/16	3,465.42	45.59	46.79	1.20	3,419.65
MW - 6	12/13/16	3,465.42	45.54	46.81	1.27	3,419.69
MW - 6	12/21/16	3,465.42	45.54	46.83	1.29	3,419.69
MW - 6	12/28/16	3,465.42	45.53	46.82	1.29	3,419.70
MW - 7	03/08/00	3,466.22	-	46.84	0.00	3,419.38
MW - 7	05/12/00	3,466.22	-	46.90	0.00	3,419.32
MW - 7	09/11/00	3,466.22	-	46.86	0.00	3,419.36
MW - 7	12/11/00	3,466.22	-	46.91	0.00	3,419.31
MW - 7	03/19/01	3,466.22	-	46.84	0.00	3,419.38
MW - 7	05/30/01	3,466.22	-	46.84	0.00	3,419.38
MW - 7	09/25/01	3,466.22	-	47.07	0.00	3,419.15
MW - 7	11/20/01	3,466.22	-	47.08	0.00	3,419.14
MW - 7	02/20/02	3,466.22	-	47.03	0.00	3,419.19
MW - 7	06/25/02	3,466.22	-	47.11	0.00	3,419.11
MW - 7	09/17/02	3,466.22	-	47.08	0.00	3,419.14
MW - 7	11/20/02	3,466.22	-	47.09	0.00	3,419.13
MW - 7	01/21/03	3,466.22	-	46.98	0.00	3,419.24
MW - 7	02/10/03	3,466.22	-	46.98	0.00	3,419.24
MW - 7	05/15/03	3,466.22	-	47.00	0.00	3,419.22
MW - 7	08/26/03	3,466.22	-	47.17	0.00	3,419.05
MW - 7	11/24/03	3,466.22	-	47.24	0.00	3,418.98
MW - 7	02/18/04	3,466.22	-	47.19	0.00	3,419.03
MW - 7	05/12/04	3,466.22	-	46.96	0.00	3,419.26
MW - 7	08/23/04	3,466.22	-	46.45	0.00	3,419.77
MW - 7	12/07/04	3,466.22	-	45.90	0.00	3,420.32
MW - 7	03/09/05	3,466.22	-	46.00	0.00	3,420.22
MW - 7	06/09/05	3,466.22	-	46.01	0.00	3,420.21
MW - 7	08/09/05	3,466.22	-	45.76	0.00	3,420.46

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	09/01/05	3,466.22	-	45.77	0.00	3,420.45
MW - 7	09/08/05	3,466.22	-	45.81	0.00	3,420.41
MW - 7	09/13/05	PLUGGED & ABANDONED				
MW - 8	03/08/00	3,467.61	-	48.48	0.00	3,419.13
MW - 8	05/12/00	3,467.61	-	48.53	0.00	3,419.08
MW - 8	09/11/00	3,467.61	-	48.48	0.00	3,419.13
MW - 8	12/11/00	3,467.61	-	48.55	0.00	3,419.06
MW - 8	03/19/01	3,467.61	-	48.48	0.00	3,419.13
MW - 8	05/30/01	3,467.61	-	48.52	0.00	3,419.09
MW - 8	09/25/01	3,467.61	-	48.69	0.00	3,418.92
MW - 8	11/20/01	3,467.61	-	48.71	0.00	3,418.90
MW - 8	02/20/02	3,467.61	-	48.68	0.00	3,418.93
MW - 8	06/25/02	3,467.61	-	48.74	0.00	3,418.87
MW - 8	09/17/02	3,467.61	-	48.73	0.00	3,418.88
MW - 8	11/20/02	3,467.61	-	48.71	0.00	3,418.90
MW - 8	01/21/03	3,467.61	-	48.61	0.00	3,419.00
MW - 8	02/10/03	3,467.61	-	48.60	0.00	3,419.01
MW - 8	05/15/03	3,467.61	-	48.63	0.00	3,418.98
MW - 8	08/26/03	3,467.61	-	48.81	0.00	3,418.80
MW - 8	11/24/03	3,467.61	-	48.89	0.00	3,418.72
MW - 8	02/18/04	3,467.61	-	48.83	0.00	3,418.78
MW - 8	05/12/04	3,467.61	-	48.57	0.00	3,419.04
MW - 8	08/23/04	3,467.61	-	48.09	0.00	3,419.52
MW - 8	12/07/04	3,467.61	-	47.49	0.00	3,420.12
MW - 8	03/09/05	3,467.61	-	47.58	0.00	3,420.03
MW - 8	06/09/05	3,467.61	-	47.64	0.00	3,419.97
MW - 8	08/09/05	3,467.61	-	47.47	0.00	3,420.14
MW - 8	09/01/05	3,467.61	-	47.34	0.00	3,420.27
MW - 8	09/08/05	3,467.61	-	47.44	0.00	3,420.17
MW - 8	12/01/05	3,467.61	-	47.63	0.00	3,419.98
MW - 8	03/07/06	3,467.61	-	47.68	0.00	3,419.93
MW - 8	06/06/06	3,467.61	-	47.76	0.00	3,419.85
MW - 8	09/15/06	3,467.61	-	47.71	0.00	3,419.90
MW - 8	11/20/06	3,467.61	-	47.78	0.00	3,419.83
MW - 8	02/23/07	3,467.61	-	47.78	0.00	3,419.83
MW - 8	05/18/07	3,467.61	-	47.75	0.00	3,419.86
MW - 8	08/21/07	3,467.61	-	47.82	0.00	3,419.79
MW - 8	11/05/07	3,467.61	-	47.83	0.00	3,419.78
MW - 8	02/08/08	3,467.61	-	47.81	0.00	3,419.80
MW - 8	05/08/08	3,467.61	-	47.77	0.00	3,419.84
MW - 8	08/13/08	3,467.61	-	47.94	0.00	3,419.67

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	11/06/08	3,467.61	-	47.97	0.00	3,419.64
MW - 8	02/04/09	3,467.61	-	47.99	0.00	3,419.62
MW - 8	05/08/09	3,467.61	-	47.88	0.00	3,419.73
MW - 8	08/05/09	3,467.61	-	47.96	0.00	3,419.65
MW - 8	11/16/09	3,467.61	-	48.10	0.00	3,419.51
MW - 8	01/06/10	3,467.61	-	48.03	0.00	3,419.58
MW - 8	02/08/10	3,467.61	-	48.03	0.00	3,419.58
MW - 8	05/11/10	3,467.61	-	48.02	0.00	3,419.59
MW - 8	08/10/10	3,467.61	-	48.02	0.00	3,419.59
MW - 8	11/09/10	3,467.61	-	48.09	0.00	3,419.52
MW - 8	02/15/11	3,467.61	-	48.11	0.00	3,419.50
MW - 8	05/05/11	3,467.61	-	48.10	0.00	3,419.51
MW - 8	08/04/11	3,467.61	-	48.13	0.00	3,419.48
MW - 8	11/21/11	3,467.61	-	48.28	0.00	3,419.33
MW - 8	02/13/12	3,467.61	-	48.21	0.00	3,419.40
MW - 8	05/29/12	3,467.61	-	48.16	0.00	3,419.45
MW - 8	08/10/12	3,467.61	-	48.26	0.00	3,419.35
MW - 8	11/06/12	3,467.61	-	48.32	0.00	3,419.29
MW - 8	02/06/13	3,467.61	-	48.24	0.00	3,419.37
MW - 8	05/08/13	3,467.61	-	48.23	0.00	3,419.38
MW - 8	08/01/13	3,467.61	-	48.31	0.00	3,419.30
MW - 8	11/05/13	3,467.61	-	48.27	0.00	3,419.34
MW - 8	02/26/14	3,467.61	-	48.28	0.00	3,419.33
MW - 8	05/12/14	3,467.61	-	48.28	0.00	3,419.33
MW - 8	07/23/14	3,467.61	-	48.43	0.00	3,419.18
MW - 8	08/11/14	3,467.61	-	48.47	0.00	3,419.14
MW - 8	10/28/14	3,467.61	-	47.97	0.00	3,419.64
MW - 8	11/15/14	3,467.61	-	47.94	0.00	3,419.67
MW - 8	02/18/15	3,467.61	-	47.95	0.00	3,419.66
MW - 8	03/19/15	3,467.61	-	47.95	0.00	3,419.66
MW - 8	04/16/15	3,467.61	-	47.94	0.00	3,419.67
MW - 8	05/28/15	3,467.61	-	47.97	0.00	3,419.64
MW - 8	07/21/15	3,467.61	-	48.15	0.00	3,419.46
MW - 8	08/20/15	3,467.61	-	48.22	0.00	3,419.39
MW - 8	09/11/15	3,467.61	-	48.24	0.00	3,419.37
MW - 8	10/15/15	3,467.61	-	48.21	0.00	3,419.40
MW - 8	11/30/15	3,467.61	-	48.12	0.00	3,419.49
MW - 8	12/11/15	3,467.61	-	48.08	0.00	3,419.53
MW - 8	01/19/16	3,467.61	-	48.08	0.00	3,419.53
MW - 8	02/25/16	3,467.61	-	48.11	0.00	3,419.50
MW - 8	03/17/16	3,467.61	-	48.08	0.00	3,419.53
MW - 8	04/13/16	3,467.61	-	48.07	0.00	3,419.54

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	06/02/16	3,467.61	-	48.14	0.00	3,419.47
MW - 8	06/30/16	3,467.61	-	48.22	0.00	3,419.39
MW - 8	07/26/16	3,467.61	-	48.29	0.00	3,419.32
MW - 8	08/23/16	3,467.61	-	48.26	0.00	3,419.35
MW - 8	09/12/16	3,467.61	-	48.06	0.00	3,419.55
MW - 8	10/12/16	3,467.61	-	47.93	0.00	3,419.68
MW - 8	12/01/16	3,467.61	-	47.99	0.00	3,419.62
MW - 8	12/28/16	3,467.61	-	48.01	0.00	3,419.60
MW - 9	01/06/03	3465.74	-	46.64	0.00	3,419.10
MW - 9	01/10/03	3465.74	-	46.62	0.00	3,419.12
MW - 9	01/21/03	3465.74	-	46.59	0.00	3,419.15
MW - 9	02/10/03	3465.74	-	46.52	0.00	3,419.22
MW - 9	05/15/03	3465.74	-	46.61	0.00	3,419.13
MW - 9	08/26/03	3465.74	-	46.80	0.00	3,418.94
MW - 9	11/24/03	3465.74	-	46.86	0.00	3,418.88
MW - 9	02/18/04	3465.74	-	46.81	0.00	3,418.93
MW - 9	05/12/04	3465.74	-	46.60	0.00	3,419.14
MW - 9	08/23/04	3465.74	-	46.09	0.00	3,419.65
MW - 9	12/04/04	3,465.74	-	45.53	0.00	3,420.21
MW - 9	03/09/05	3,465.74	-	45.62	0.00	3,420.12
MW - 9	06/09/05	3,465.74	-	45.66	0.00	3,420.08
MW - 9	08/09/05	3,465.74	-	45.51	0.00	3,420.23
MW - 9	09/01/05	3,465.74	-	45.44	0.00	3,420.30
MW - 9	09/08/05	3,465.74	-	45.48	0.00	3,420.26
MW - 9	12/01/05	3,465.74	-	45.63	0.00	3,420.11
MW - 9	03/07/06	3,465.74	-	45.69	0.00	3,420.05
MW - 9	06/06/06	3,465.74	-	45.74	0.00	3,420.00
MW - 9	09/15/06	3,465.74	-	45.72	0.00	3,420.02
MW - 9	11/20/06	3,465.74	-	45.78	0.00	3,419.96
MW - 9	02/23/07	3,465.74	-	45.75	0.00	3,419.99
MW - 9	05/18/07	3,465.74	-	45.75	0.00	3,419.99
MW - 9	08/21/07	3,465.74	-	45.77	0.00	3,419.97
MW - 9	11/05/07	3,465.74	-	45.79	0.00	3,419.95
MW - 9	02/08/08	3,465.74	-	45.80	0.00	3,419.94
MW - 9	05/08/08	3,465.74	-	45.72	0.00	3,420.02
MW - 9	08/13/08	3,465.74	-	46.39	0.00	3,419.35
MW - 9	11/06/08	3,465.74	-	45.94	0.00	3,419.80
MW - 9	02/04/09	3,465.74	-	45.94	0.00	3,419.80
MW - 9	05/08/09	3,465.74	-	45.85	0.00	3,419.89
MW - 9	08/05/09	3,465.74	-	45.95	0.00	3,419.79
MW - 9	11/16/09	3,465.74	-	46.06	0.00	3,419.68

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	01/06/10	3,465.74	-	46.00	0.00	3,419.74
MW - 9	02/08/10	3,465.74	-	46.00	0.00	3,419.74
MW - 9	05/11/10	3,465.74	-	46.01	0.00	3,419.73
MW - 9	08/10/10	3,465.74	-	46.03	0.00	3,419.71
MW - 9	11/09/10	3,465.74	-	46.06	0.00	3,419.68
MW - 9	02/15/11	3,465.74	-	46.10	0.00	3,419.64
MW - 9	05/05/11	3,465.74	-	46.08	0.00	3,419.66
MW - 9	08/04/11	3,465.74	-	46.11	0.00	3,419.63
MW - 9	11/21/11	3,465.74	-	46.28	0.00	3,419.46
MW - 9	02/13/12	3,465.74	-	46.20	0.00	3,419.54
MW - 9	05/29/12	3,465.74	-	46.14	0.00	3,419.60
MW - 9	08/10/12	3,465.74	-	46.27	0.00	3,419.47
MW - 9	11/06/12	3,465.74	-	46.29	0.00	3,419.45
MW - 9	02/06/13	3,465.74	-	46.22	0.00	3,419.52
MW - 9	05/08/13	3,465.74	-	46.20	0.00	3,419.54
MW - 9	08/01/13	3,465.74	-	46.31	0.00	3,419.43
MW - 9	11/05/13	3,465.74	-	46.30	0.00	3,419.44
MW - 9	02/26/14	3,465.74	-	46.27	0.00	3,419.47
MW - 9	05/12/14	3,465.74	-	46.31	0.00	3,419.43
MW - 9	07/23/14	3,465.74	-	46.42	0.00	3,419.32
MW - 9	08/11/14	3,465.74	-	46.48	0.00	3,419.26
MW - 9	10/28/14	3,465.74	-	45.99	0.00	3,419.75
MW - 9	11/15/14	3,465.74	-	45.97	0.00	3,419.77
MW - 9	02/18/15	3,465.74	-	45.95	0.00	3,419.79
MW - 9	03/19/15	3,465.74	-	45.96	0.00	3,419.78
MW - 9	04/16/15	3,465.74	-	45.95	0.00	3,419.79
MW - 9	05/28/15	3,465.74	-	45.96	0.00	3,419.78
MW - 9	07/21/15	3,465.74	-	46.12	0.00	3,419.62
MW - 9	08/20/15	3,465.74	-	46.21	0.00	3,419.53
MW - 9	09/11/15	3,465.74	-	46.22	0.00	3,419.52
MW - 9	10/15/15	3,465.74	-	46.19	0.00	3,419.55
MW - 9	11/30/15	3,465.74	-	46.13	0.00	3,419.61
MW - 9	12/11/15	3,465.74	-	46.11	0.00	3,419.63
MW - 9	01/19/16	3,465.74	-	46.08	0.00	3,419.66
MW - 9	02/25/16	3,465.74	-	46.11	0.00	3,419.63
MW - 9	03/17/16	3,465.74	-	46.08	0.00	3,419.66
MW - 9	04/13/16	3,465.74	-	46.05	0.00	3,419.69
MW - 9	06/02/16	3,465.74	-	46.13	0.00	3,419.61
MW - 9	06/30/16	3,465.74	-	46.20	0.00	3,419.54
MW - 9	07/26/16	3,465.74	-	46.29	0.00	3,419.45
MW - 9	08/23/16	3,465.74	-	46.28	0.00	3,419.46
MW - 9	09/12/16	3,465.74	-	46.10	0.00	3,419.64

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	10/12/16	3,465.74	-	45.96	0.00	3,419.78
MW - 9	12/01/16	3,465.74	-	46.00	0.00	3,419.74
MW - 9	12/28/16	3,465.74	-	46.03	0.00	3,419.71
MW - 10	01/06/03	3466.15	-	47.12	0.00	3,419.03
MW - 10	01/10/03	3466.15	-	47.11	0.00	3,419.04
MW - 10	01/21/03	3466.15	-	47.09	0.00	3,419.06
MW - 10	02/10/03	3466.15	-	47.07	0.00	3,419.08
MW - 10	05/15/03	3466.15	-	47.11	0.00	3,419.04
MW - 10	08/26/03	3466.15	-	47.30	0.00	3,418.85
MW - 10	11/24/03	3466.15	-	47.37	0.00	3,418.78
MW - 10	02/18/04	3466.15	-	47.32	0.00	3,418.83
MW - 10	05/12/04	3466.15	-	47.07	0.00	3,419.08
MW - 10	08/23/04	3466.15	-	46.57	0.00	3,419.58
MW - 10	12/07/04	3,466.15	-	45.98	0.00	3,420.17
MW - 10	03/09/05	3,466.15	-	46.09	0.00	3,420.06
MW - 10	06/09/05	3,466.15	-	46.12	0.00	3,420.03
MW - 10	08/09/05	3,466.15	-	45.64	0.00	3,420.51
MW - 10	09/01/05	3,466.15	-	45.82	0.00	3,420.33
MW - 10	09/08/05	3,466.15	-	45.90	0.00	3,420.25
MW - 10	09/13/05	PLUGGED & ABANDONED				
MW - 11	01/06/03	3466.22	-	47.23	0.00	3,418.99
MW - 11	01/10/03	3466.22	-	47.20	0.00	3,419.02
MW - 11	01/21/03	3466.22	-	47.18	0.00	3,419.04
MW - 11	02/10/03	3467.22	-	47.16	0.00	3,420.06
MW - 11	05/15/03	3466.22	-	47.19	0.00	3,419.03
MW - 11	08/26/03	3466.22	-	47.36	0.00	3,418.86
MW - 11	11/24/03	3466.22	-	47.42	0.00	3,418.80
MW - 11	02/18/04	3466.22	-	47.39	0.00	3,418.83
MW - 11	05/12/04	3466.22	-	47.18	0.00	3,419.04
MW - 11	08/23/04	3466.22	-	46.69	0.00	3,419.53
MW - 11	12/07/04	3466.22	-	46.12	0.00	3,420.10
MW - 11	03/09/05	3466.22	-	46.20	0.00	3,420.02
MW - 11	06/09/05	3466.22	-	46.23	0.00	3,419.99
MW - 11	08/09/05	3466.22	-	46.14	0.00	3,420.08
MW - 11	09/01/05	3466.22	-	46.03	0.00	3,420.19
MW - 11	09/08/05	3466.22	-	46.07	0.00	3,420.15
MW - 11	09/13/05	PLUGGED & ABANDONED				
MW - 12	01/06/03	3466.69	-	47.79	0.00	3,418.90
MW - 12	01/10/03	3466.69	-	47.76	0.00	3,418.93

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 12	01/21/03	3466.69	-	47.75	0.00	3,418.94
MW - 12	02/10/03	3466.69	-	47.73	0.00	3,418.96
MW - 12	05/15/03	3466.69	-	47.76	0.00	3,418.93
MW - 12	08/26/03	3466.69	-	47.94	0.00	3,418.75
MW - 12	11/24/03	3466.69	-	47.99	0.00	3,418.70
MW - 12	02/18/04	3466.69	-	47.95	0.00	3,418.74
MW - 12	05/12/04	3466.69	-	47.74	0.00	3,418.95
MW - 12	08/23/04	3466.69	-	47.23	0.00	3,419.46
MW - 12	12/07/04	3466.69	-	46.67	0.00	3,420.02
MW - 12	03/09/05	3466.69	-	46.74	0.00	3,419.95
MW - 12	06/09/05	3466.69	-	46.78	0.00	3,419.91
MW - 12	08/09/05	3466.69	-	46.65	0.00	3,420.04
MW - 12	09/01/05	3466.69	-	46.54	0.00	3,420.15
MW - 12	09/08/05	3466.69	-	47.60	0.00	3,419.09
MW - 12	12/01/05	3466.69	-	46.79	0.00	3,419.90
MW - 12	03/07/06	3466.69	-	46.83	0.00	3,419.86
MW - 12	06/06/06	3466.69	-	46.89	0.00	3,419.80
MW - 12	09/15/06	3466.69	-	46.86	0.00	3,419.83
MW - 12	11/20/06	3466.69	-	46.93	0.00	3,419.76
MW - 12	02/23/07	3466.69	-	46.91	0.00	3,419.78
MW - 12	05/18/07	3466.69	-	46.91	0.00	3,419.78
MW - 12	08/21/07	3466.69	-	46.95	0.00	3,419.74
MW - 12	11/05/07	3466.69	-	46.96	0.00	3,419.73
MW - 12	02/08/08	3466.69	-	47.03	0.00	3,419.66
MW - 12	05/08/08	3466.69	-	46.92	0.00	3,419.77
MW - 12	08/13/08	3466.69	-	46.95	0.00	3,419.74
MW - 12	11/06/08	3466.69	-	47.09	0.00	3,419.60
MW - 12	02/04/09	3466.69	-	47.11	0.00	3,419.58
MW - 12	05/08/09	3466.69	-	47.04	0.00	3,419.65
MW - 12	08/05/09	3466.69	-	47.10	0.00	3,419.59
MW - 12	11/16/09	3466.69	-	47.23	0.00	3,419.46
MW - 12	01/06/10	3466.69	-	47.15	0.00	3,419.54
MW - 12	02/08/10	3466.69	-	47.17	0.00	3,419.52
MW - 12	05/11/10	3466.69	-	47.25	0.00	3,419.44
MW - 12	08/10/10	3466.69	-	47.27	0.00	3,419.42
MW - 12	11/09/10	3466.69	-	47.21	0.00	3,419.48
MW - 12	02/15/11	3466.69	-	47.20	0.00	3,419.49
MW - 12	05/05/11	3466.69	-	47.22	0.00	3,419.47
MW - 12	08/04/11	3466.69	-	47.22	0.00	3,419.47
MW - 12	11/21/11	3466.69	-	47.41	0.00	3,419.28
MW - 12	02/13/12	3466.69	-	47.35	0.00	3,419.34
MW - 12	05/29/12	3466.69	-	47.28	0.00	3,419.41

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 12	08/10/12	3466.69	-	47.38	0.00	3,419.31
MW - 12	11/06/12	3466.69	-	46.44	0.00	3,420.25
MW - 12	02/06/13	3466.69	-	47.38	0.00	3,419.31
MW - 12	05/08/13	3466.69	-	47.36	0.00	3,419.33
MW - 12	08/01/13	3466.69	-	47.44	0.00	3,419.25
MW - 12	11/05/13	3466.69	-	47.43	0.00	3,419.26
MW - 12	02/26/14	3466.69	-	47.40	0.00	3,419.29
MW - 12	05/12/14	3466.69	-	47.45	0.00	3,419.24
MW - 12	06/18/14	3466.69	46.06	46.30	0.24	3,420.59
MW - 12	07/23/14	3466.69	-	47.57	0.00	3,419.12
MW - 12	08/11/14	3466.69	-	47.59	0.00	3,419.10
MW - 12	10/28/14	3466.69	-	47.12	0.00	3,419.57
MW - 12	11/15/14	3466.69	-	47.10	0.00	3,419.59
MW - 12	02/18/15	3466.69	-	47.09	0.00	3,419.60
MW - 12	03/19/15	3466.69	-	47.10	0.00	3,419.59
MW - 12	04/16/15	3466.69	-	47.09	0.00	3,419.60
MW - 12	05/28/15	3466.69	-	47.12	0.00	3,419.57
MW - 12	07/21/15	3466.69	-	47.26	0.00	3,419.43
MW - 12	08/20/15	3466.69	-	47.34	0.00	3,419.35
MW - 12	09/11/15	3466.69	-	47.35	0.00	3,419.34
MW - 12	10/15/15	3466.69	-	47.32	0.00	3,419.37
MW - 12	11/30/15	3466.69	-	47.27	0.00	3,419.42
MW - 12	12/11/15	3466.69	-	47.22	0.00	3,419.47
MW - 12	01/19/16	3466.69	-	47.22	0.00	3,419.47
MW - 12	02/25/16	3466.69	-	47.26	0.00	3,419.43
MW - 12	03/17/16	3466.69	-	47.22	0.00	3,419.47
MW - 12	04/13/16	3466.69	-	47.21	0.00	3,419.48
MW - 12	06/02/16	3466.69	-	47.28	0.00	3,419.41
MW - 12	06/30/16	3466.69	-	47.34	0.00	3,419.35
MW - 12	07/26/16	3466.69	-	47.43	0.00	3,419.26
MW - 12	08/23/16	3466.69	-	47.40	0.00	3,419.29
MW - 12	09/12/16	3466.69	-	47.22	0.00	3,419.47
MW - 12	10/12/16	3466.69	-	47.08	0.00	3,419.61
MW - 12	12/01/16	3466.69	-	47.14	0.00	3,419.55
MW - 12	12/28/16	3466.69	-	47.16	0.00	3,419.53
MW - 13	01/06/03	3466.98	-	48.31	0.00	3,418.67
MW - 13	01/10/03	3466.98	-	48.30	0.00	3,418.68
MW - 13	01/21/03	3466.98	-	48.28	0.00	3,418.70
MW - 13	02/10/03	3466.98	-	48.26	0.00	3,418.72
MW - 13	05/15/03	3466.98	-	48.31	0.00	3,418.67
MW - 13	08/26/03	3466.98	-	48.48	0.00	3,418.50

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	11/24/03	3466.98	-	48.55	0.00	3,418.43
MW - 13	02/18/04	3466.98	-	48.51	0.00	3,418.47
MW - 13	05/12/04	3466.98	-	48.27	0.00	3,418.71
MW - 13	08/23/04	3466.98	-	47.75	0.00	3,419.23
MW - 13	12/07/04	3466.98	-	47.17	0.00	3,419.81
MW - 13	03/09/05	3466.98	-	47.24	0.00	3,419.74
MW - 13	06/09/05	3466.98	-	47.30	0.00	3,419.68
MW - 13	08/09/05	3466.98	-	47.16	0.00	3,419.82
MW - 13	09/01/05	3466.98	-	47.02	0.00	3,419.96
MW - 13	09/08/05	3466.98	-	47.10	0.00	3,419.88
MW - 13	12/01/05	3466.98	-	47.28	0.00	3,419.70
MW - 13	03/07/06	3466.98	-	47.35	0.00	3,419.63
MW - 13	06/06/06	3466.98	-	47.42	0.00	3,419.56
MW - 13	09/15/06	3466.98	-	47.38	0.00	3,419.60
MW - 13	11/20/06	3466.98	-	47.45	0.00	3,419.53
MW - 13	02/23/07	3466.98	-	47.46	0.00	3,419.52
MW - 13	05/18/07	3466.98	-	47.44	0.00	3,419.54
MW - 13	08/21/07	3466.98	-	47.47	0.00	3,419.51
MW - 13	11/05/07	3466.98	-	47.49	0.00	3,419.49
MW - 13	02/08/08	3466.98	-	47.45	0.00	3,419.53
MW - 13	05/08/08	3466.98	-	47.41	0.00	3,419.57
MW - 13	08/13/08	3466.98	-	47.60	0.00	3,419.38
MW - 13	11/06/08	3466.98	-	47.64	0.00	3,419.34
MW - 13	02/05/09	3466.98	-	47.66	0.00	3,419.32
MW - 13	05/08/09	3466.98	-	47.56	0.00	3,419.42
MW - 13	08/05/09	3466.98	-	47.64	0.00	3,419.34
MW - 13	11/16/09	3466.98	-	47.78	0.00	3,419.20
MW - 13	01/06/10	3466.98	-	47.69	0.00	3,419.29
MW - 13	02/08/10	3466.98	-	47.69	0.00	3,419.29
MW - 13	05/11/10	3466.98	-	47.67	0.00	3,419.31
MW - 13	08/10/10	3466.98	-	47.68	0.00	3,419.30
MW - 13	11/09/10	3466.98	-	47.79	0.00	3,419.19
MW - 13	02/15/11	3466.98	-	47.76	0.00	3,419.22
MW - 13	05/05/11	3466.98	-	47.75	0.00	3,419.23
MW - 13	08/04/11	3466.98	-	47.75	0.00	3,419.23
MW - 13	11/21/11	3466.98	-	47.97	0.00	3,419.01
MW - 13	02/13/12	3466.98	-	47.89	0.00	3,419.09
MW - 13	05/29/12	3466.98	-	47.83	0.00	3,419.15
MW - 13	08/10/12	3466.98	-	47.94	0.00	3,419.04
MW - 13	11/06/12	3466.98	-	47.99	0.00	3,418.99
MW - 13	02/06/13	3466.98	-	47.91	0.00	3,419.07
MW - 13	05/08/13	3466.98	-	47.90	0.00	3,419.08

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	08/01/13	3466.98	-	47.97	0.00	3,419.01
MW - 13	11/05/13	3466.98	-	47.96	0.00	3,419.02
MW - 13	02/26/14	3466.98	-	47.94	0.00	3,419.04
MW - 13	05/12/14	3466.98	-	47.98	0.00	3,419.00
MW - 13	07/23/14	3466.98	-	48.11	0.00	3,418.87
MW - 13	08/11/14	3466.98	-	48.04	0.00	3,418.94
MW - 13	10/28/14	3466.98	-	47.65	0.00	3,419.33
MW - 13	11/15/14	3466.98	-	47.61	0.00	3,419.37
MW - 13	02/18/15	3466.98	-	47.62	0.00	3,419.36
MW - 13	03/19/15	3466.98	-	47.61	0.00	3,419.37
MW - 13	04/16/15	3466.98	-	47.61	0.00	3,419.37
MW - 13	05/28/15	3466.98	-	47.64	0.00	3,419.34
MW - 13	07/21/15	3466.98	-	47.82	0.00	3,419.16
MW - 13	08/20/15	3466.98	-	47.87	0.00	3,419.11
MW - 13	09/11/15	3466.98	-	47.90	0.00	3,419.08
MW - 13	10/15/15	3466.98	-	47.87	0.00	3,419.11
MW - 13	11/30/15	3466.98	-	47.80	0.00	3,419.18
MW - 13	12/11/15	3466.98	-	47.77	0.00	3,419.21
MW - 13	01/19/16	3466.98	-	47.75	0.00	3,419.23
MW - 13	02/25/16	3466.98	-	47.79	0.00	3,419.19
MW - 13	03/17/16	3466.98	-	47.75	0.00	3,419.23
MW - 13	04/13/16	3466.98	-	47.75	0.00	3,419.23
MW - 13	06/02/16	3466.98	-	47.82	0.00	3,419.16
MW - 13	06/30/16	3466.98	-	47.88	0.00	3,419.10
MW - 13	07/26/16	3466.98	-	47.97	0.00	3,419.01
MW - 13	08/23/16	3466.98	-	47.93	0.00	3,419.05
MW - 13	09/12/16	3466.98	-	47.73	0.00	3,419.25
MW - 13	10/12/16	3466.98	-	47.60	0.00	3,419.38
MW - 13	12/01/16	3466.98	-	47.66	0.00	3,419.32
MW - 13	12/28/16	3466.98	-	47.67	0.00	3,419.31
MW - 14	01/06/03	3466.50	-	47.97	0.00	3,418.53
MW - 14	01/10/03	3466.50	-	47.96	0.00	3,418.54
MW - 14	01/21/03	3466.50	-	47.93	0.00	3,418.57
MW - 14	02/10/03	3466.50	-	47.92	0.00	3,418.58
MW - 14	05/15/03	3466.50	-	47.99	0.00	3,418.51
MW - 14	08/26/03	3466.50	-	48.16	0.00	3,418.34
MW - 14	11/24/03	3466.50	48.27	48.85	0.58	3,418.14
MW - 14	01/02/04	3466.50	48.11	48.60	0.49	3,418.32
MW - 14	01/06/04	3466.50	48.10	48.64	0.54	3,418.32
MW - 14	01/27/04	3466.50	48.55	49.15	0.60	3,417.86
MW - 14	02/02/04	3466.50	48.57	49.23	0.66	3,417.83

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	02/18/04	3466.50	48.11	48.67	0.56	3,418.31
MW - 14	02/23/04	3466.50	48.31	48.65	0.34	3,418.14
MW - 14	03/01/04	3466.50	48.33	48.68	0.35	3,418.12
MW - 14	03/10/04	3466.50	48.34	48.63	0.29	3,418.12
MW - 14	03/15/04	3466.50	48.12	48.42	0.30	3,418.34
MW - 14	03/23/04	3466.50	48.61	48.96	0.35	3,417.84
MW - 14	03/30/04	3466.50	48.65	48.94	0.29	3,417.81
MW - 14	04/07/04	3466.50	48.60	49.15	0.55	3,417.82
MW - 14	04/12/04	3466.50	48.60	49.01	0.41	3,417.84
MW - 14	04/15/04	3466.50	48.57	48.86	0.29	3,417.89
MW - 14	04/19/04	3466.50	48.04	48.34	0.30	3,418.42
MW - 14	05/11/04	3466.50	48.28	48.61	0.33	3,418.17
MW - 14	05/12/04	3466.50	47.91	48.22	0.31	3,418.54
MW - 14	06/09/04	3466.50	47.83	48.13	0.30	3,418.63
MW - 14	06/16/04	3466.50	47.84	48.09	0.25	3,418.62
MW - 14	06/22/04	3466.50	47.85	48.24	0.39	3,418.59
MW - 14	06/29/04	3466.50	47.84	48.22	0.38	3,418.60
MW - 14	07/07/04	3466.50	47.86	48.25	0.39	3,418.58
MW - 14	07/13/04	3466.50	47.84	48.23	0.39	3,418.60
MW - 14	07/21/04	3466.50	45.45	45.46	0.01	3,421.05
MW - 14	08/11/04	3466.50	47.42	47.69	0.27	3,419.04
MW - 14	08/17/04	3466.50	47.44	47.75	0.31	3,419.01
MW - 14	08/23/04	3466.50	47.44	47.49	0.05	3,419.05
MW - 14	09/13/04	3466.50	47.42	47.51	0.09	3,419.07
MW - 14	09/20/04	3466.50	47.40	47.45	0.05	3,419.09
MW - 14	09/29/04	3466.50	47.45	47.54	0.09	3,419.04
MW - 14	10/04/04	3466.50	47.35	47.52	0.17	3,419.12
MW - 14	10/12/04	3466.50	46.80	46.90	0.10	3,419.69
MW - 14	10/19/04	3466.50	46.64	46.73	0.09	3,419.85
MW - 14	10/25/04	3466.50	46.70	46.73	0.03	3,419.80
MW - 14	11/01/04	3466.50	sheen	46.79	0.00	3,419.71
MW - 14	11/09/04	3466.50	sheen	46.76	0.00	3,419.74
MW - 14	11/17/04	3466.50	sheen	46.80	0.00	3,419.70
MW - 14	11/29/04	3466.50	sheen	46.86	0.00	3,419.64
MW - 14	12/07/04	3466.50	sheen	46.82	0.00	3,419.68
MW - 14	12/13/04	3466.50	sheen	46.88	0.00	3,419.62
MW - 14	12/20/04	3466.50	sheen	46.81	0.00	3,419.69
MW - 14	12/30/04	3466.50	sheen	46.90	0.00	3,419.60
MW - 14	01/03/05	3466.50	sheen	46.88	0.00	3,419.62
MW - 14	01/10/05	3466.50	sheen	46.70	0.00	3,419.80
MW - 14	01/17/05	3466.50	sheen	46.90	0.00	3,419.60
MW - 14	01/24/05	3466.50	sheen	46.90	0.00	3,419.60

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	01/31/05	3466.50	sheen	46.91	0.00	3,419.59
MW - 14	02/07/05	3466.50	sheen	46.88	0.00	3,419.62
MW - 14	02/14/05	3466.50	sheen	46.90	0.00	3,419.60
MW - 14	02/21/05	3466.50	sheen	46.89	0.00	3,419.61
MW - 14	02/28/05	3466.50	sheen	46.91	0.00	3,419.59
MW - 14	03/07/05	3466.50	sheen	46.86	0.00	3,419.64
MW - 14	03/09/05	3466.50	sheen	46.86	0.00	3,419.64
MW - 14	03/16/05	3466.50	sheen	46.92	0.00	3,419.58
MW - 14	03/21/05	3466.50	sheen	46.88	0.00	3,419.62
MW - 14	03/28/05	3466.50	sheen	46.87	0.00	3,419.63
MW - 14	04/04/05	3466.50	sheen	46.88	0.00	3,419.62
MW - 14	04/13/05	3466.50	sheen	46.91	0.00	3,419.59
MW - 14	04/18/05	3466.50	sheen	46.86	0.00	3,419.64
MW - 14	05/23/05	3466.50	46.92	46.96	0.04	3,419.57
MW - 14	06/09/05	3466.50	46.92	46.93	0.01	3,419.58
MW - 14	06/21/05	3466.50	46.99	47.03	0.04	3,419.50
MW - 14	07/14/05	3466.50	sheen	47.03	0.00	3,419.47
MW - 14	07/26/05	3466.50	sheen	47.01	0.00	3,419.49
MW - 14	08/09/05	3466.50	sheen	46.88	0.00	3,419.62
MW - 14	08/25/05	3466.50	sheen	46.73	0.00	3,419.77
MW - 14	09/01/05	3466.50	-	46.71	0.00	3,419.79
MW - 14	09/08/05	3466.50	-	46.76	0.00	3,419.74
MW - 14	09/13/05	3466.50	sheen	46.76	0.00	3,419.74
MW - 14	09/26/05	3466.50	sheen	46.85	0.00	3,419.65
MW - 14	10/11/05	3466.50	46.87	46.97	0.10	3,419.62
MW - 14	10/25/05	3466.50	46.84	46.90	0.06	3,419.65
MW - 14	11/10/05	3466.50	46.85	47.02	0.17	3,419.62
MW - 14	11/14/05	3466.50	46.87	46.97	0.10	3,419.62
MW - 14	12/01/05	3466.50	46.89	47.08	0.19	3,419.58
MW - 14	12/28/05	3466.50	46.95	47.25	0.30	3,419.51
MW - 14	01/11/06	3466.50	46.95	47.19	0.24	3,419.51
MW - 14	01/25/06	3466.50	47.00	47.26	0.26	3,419.46
MW - 14	02/08/06	3466.50	46.95	47.21	0.26	3,419.51
MW - 14	02/23/06	3466.50	47.03	47.20	0.17	3,419.44
MW - 14	03/07/06	3466.50	46.97	47.21	0.24	3,419.49
MW - 14	03/08/06	3466.50	46.96	47.20	0.24	3,419.50
MW - 14	03/20/06	3466.50	47.00	47.25	0.25	3,419.46
MW - 14	03/30/06	3466.50	46.98	47.22	0.24	3,419.48
MW - 14	05/03/06	3466.50	47.01	47.21	0.20	3,419.46
MW - 14	06/01/06	3466.50	47.03	47.38	0.35	3,419.42
MW - 14	06/06/06	3466.50	47.04	47.25	0.21	3,419.43
MW - 14	06/14/06	3466.50	47.03	47.25	0.22	3,419.44

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	06/29/06	3466.50	47.08	47.28	0.20	3,419.39
MW - 14	07/13/06	3466.50	47.08	47.11	0.03	3,419.42
MW - 14	07/27/06	3466.50	47.09	47.22	0.13	3,419.39
MW - 14	08/10/06	3466.50	47.10	47.26	0.16	3,419.38
MW - 14	09/15/06	3466.50	47.03	47.11	0.08	3,419.46
MW - 14	10/03/06	3466.50	47.05	47.13	0.08	3,419.44
MW - 14	11/20/06	3466.50	47.10	47.21	0.11	3,419.38
MW - 14	01/11/07	3466.50	47.11	47.21	0.10	3,419.38
MW - 14	02/15/07	3466.50	47.13	47.24	0.11	3,419.35
MW - 14	02/23/07	3466.50	47.12	47.59	0.47	3,419.31
MW - 14	03/08/07	3466.50	47.13	47.23	0.10	3,419.36
MW - 14	03/28/07	3466.50	47.13	47.21	0.08	3,419.36
MW - 14	04/25/07	3466.50	47.11	47.21	0.10	3,419.38
MW - 14	05/04/07	3466.50	47.09	47.11	0.02	3,419.41
MW - 14	05/18/07	3466.50	47.07	47.14	0.07	3,419.42
MW - 14	06/14/07	3466.50	47.04	47.09	0.05	3,419.45
MW - 14	07/12/07	3466.50	47.04	47.08	0.04	3,419.45
MW - 14	08/21/07	3466.50	46.11	46.17	0.06	3,420.38
MW - 14	09/14/07	3466.50	47.15	47.23	0.08	3,419.34
MW - 14	10/03/07	3466.50	sheen	47.12	0.00	3,419.38
MW - 14	10/10/07	3466.50	sheen	47.16	0.00	3,419.34
MW - 14	10/17/07	3466.50	sheen	47.14	0.00	3,419.36
MW - 14	11/05/07	3466.50	sheen	47.13	0.00	3,419.37
MW - 14	12/18/07	3466.50	sheen	47.11	0.00	3,419.39
MW - 14	02/08/08	3466.50	-	47.14	0.00	3,419.36
MW - 14	02/15/08	3466.50	-	47.11	0.00	3,419.39
MW - 14	02/22/08	3466.50	-	47.10	0.00	3,419.40
MW - 14	04/04/08	3466.50	-	47.09	0.00	3,419.41
MW - 14	05/08/08	3466.50	-	47.06	0.00	3,419.44
MW - 14	05/16/08	3466.50	-	47.10	0.00	3,419.40
MW - 14	06/05/08	3466.50	-	47.09	0.00	3,419.41
MW - 14	06/27/08	3466.50	-	47.13	0.00	3,419.37
MW - 14	07/15/08	3466.50	-	47.24	0.00	3,419.26
MW - 14	08/12/08	3466.50	-	47.29	0.00	3,419.21
MW - 14	08/13/08	3466.50	-	47.29	0.00	3,419.21
MW - 14	09/25/08	3466.50	-	47.34	0.00	3,419.16
MW - 14	09/30/08	3466.50	-	47.33	0.00	3,419.17
MW - 14	10/08/08	3466.50	-	47.37	0.00	3,419.13
MW - 14	10/24/08	3466.50	-	47.32	0.00	3,419.18
MW - 14	11/06/08	3466.50	-	47.33	0.00	3,419.17
MW - 14	11/08/08	3466.50	-	47.24	0.00	3,419.26
MW - 14	12/17/08	3466.50	-	47.39	0.00	3,419.11

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	12/30/08	3466.50	-	47.42	0.00	3,419.08
MW - 14	01/07/09	3466.50	-	47.38	0.00	3,419.12
MW - 14	01/22/09	3466.50	-	47.34	0.00	3,419.16
MW - 14	01/26/09	3466.50	-	47.34	0.00	3,419.16
MW - 14	02/05/09	3466.50	-	47.35	0.00	3,419.15
MW - 14	02/13/09	3466.50	-	47.30	0.00	3,419.20
MW - 14	02/27/09	3466.50	-	47.31	0.00	3,419.19
MW - 14	03/03/09	3466.50	-	47.40	0.00	3,419.10
MW - 14	03/10/09	3466.50	-	47.28	0.00	3,419.22
MW - 14	03/18/09	3466.50	-	47.26	0.00	3,419.24
MW - 14	03/27/09	3466.50	-	47.23	0.00	3,419.27
MW - 14	04/02/09	3466.50	-	47.43	0.00	3,419.07
MW - 14	04/07/09	3466.50	-	47.23	0.00	3,419.27
MW - 14	04/14/09	3466.50	-	47.23	0.00	3,419.27
MW - 14	04/28/09	3466.50	-	47.25	0.00	3,419.25
MW - 14	05/07/09	3466.50	-	47.21	0.00	3,419.29
MW - 14	05/08/09	3466.50	-	47.21	0.00	3,419.29
MW - 14	06/02/09	3466.50	-	47.26	0.00	3,419.24
MW - 14	06/11/09	3466.50	-	47.28	0.00	3,419.22
MW - 14	06/16/09	3466.50	-	47.23	0.00	3,419.27
MW - 14	06/26/09	3466.50	-	47.31	0.00	3,419.19
MW - 14	06/30/09	3466.50	-	47.22	0.00	3,419.28
MW - 14	07/07/09	3466.50	-	47.34	0.00	3,419.16
MW - 14	07/15/09	3466.50	-	47.36	0.00	3,419.14
MW - 14	07/21/09	3466.50	-	47.34	0.00	3,419.16
MW - 14	07/28/09	3466.50	-	47.32	0.00	3,419.18
MW - 14	07/31/09	3466.50	-	47.39	0.00	3,419.11
MW - 14	08/05/09	3466.50	-	47.34	0.00	3,419.16
MW - 14	08/06/09	3466.50	-	47.31	0.00	3,419.19
MW - 14	08/13/09	3466.50	-	47.31	0.00	3,419.19
MW - 14	08/19/09	3466.50	-	47.31	0.00	3,419.19
MW - 14	08/25/09	3466.50	-	47.35	0.00	3,419.15
MW - 14	09/01/09	3466.50	-	47.39	0.00	3,419.11
MW - 14	09/08/09	3466.50	-	47.34	0.00	3,419.16
MW - 14	09/15/09	3466.50	-	47.38	0.00	3,419.12
MW - 14	09/25/09	3466.50	sheen	47.39	0.00	3,419.11
MW - 14	09/28/09	3466.50	-	47.45	0.00	3,419.05
MW - 14	10/02/09	3466.50	sheen	47.40	0.00	3,419.10
MW - 14	10/05/09	3466.50	-	47.44	0.00	3,419.06
MW - 14	10/09/09	3466.50	sheen	47.42	0.00	3,419.08
MW - 14	10/12/09	3466.50	-	47.46	0.00	3,419.04
MW - 14	10/22/09	3466.50	sheen	47.40	0.00	3,419.10

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	10/29/09	3466.50	sheen	47.41	0.00	3,419.09
MW - 14	11/06/09	3466.50	-	47.40	0.00	3,419.10
MW - 14	11/16/09	3466.50	-	47.50	0.00	3,419.00
MW - 14	12/22/09	3466.50	-	47.37	0.00	3,419.13
MW - 14	01/06/10	3466.50	-	47.40	0.00	3,419.10
MW - 14	02/08/10	3466.50	-	47.41	0.00	3,419.09
MW - 14	03/03/10	3466.50	-	47.39	0.00	3,419.11
MW - 14	03/23/10	3466.50	-	47.37	0.00	3,419.13
MW - 14	04/15/10	3466.50	-	47.41	0.00	3,419.09
MW - 14	05/11/10	3466.50	-	47.43	0.00	3,419.07
MW - 14	08/10/10	3466.50	-	47.43	0.00	3,419.07
MW - 14	11/09/10	3466.50	-	47.49	0.00	3,419.01
MW - 14	02/15/11	3466.50	-	47.48	0.00	3,419.02
MW - 14	05/05/11	3466.50	-	47.46	0.00	3,419.04
MW - 14	08/04/11	3466.50	-	47.47	0.00	3,419.03
MW - 14	11/21/11	3466.50	-	47.66	0.00	3,418.84
MW - 14	02/13/12	3466.50	-	47.56	0.00	3,418.94
MW - 14	05/29/12	3466.50	-	47.49	0.00	3,419.01
MW - 14	08/10/12	3466.50	-	47.58	0.00	3,418.92
MW - 14	11/06/12	3466.50	-	47.63	0.00	3,418.87
MW - 14	02/06/13	3466.50	-	47.58	0.00	3,418.92
MW - 14	04/19/13	3466.50	-	47.59	0.00	3,418.91
MW - 14	05/08/13	3466.50	-	47.56	0.00	3,418.94
MW - 14	05/10/13	3466.50	-	47.60	0.00	3,418.90
MW - 14	05/17/13	3466.50	-	47.57	0.00	3,418.93
MW - 14	05/22/13	3466.50	-	47.57	0.00	3,418.93
MW - 14	05/30/13	3466.50	-	47.56	0.00	3,418.94
MW - 14	06/12/13	3466.50	-	47.58	0.00	3,418.92
MW - 14	06/18/13	3466.50	-	47.58	0.00	3,418.92
MW - 14	06/25/13	3466.50	-	47.58	0.00	3,418.92
MW - 14	07/02/13	3466.50	-	47.61	0.00	3,418.89
MW - 14	07/09/13	3466.50	-	47.61	0.00	3,418.89
MW - 14	07/26/13	3466.50	-	47.65	0.00	3,418.85
MW - 14	07/29/13	3466.50	-	47.64	0.00	3,418.86
MW - 14	08/01/13	3466.50	-	47.63	0.00	3,418.87
MW - 14	08/06/13	3466.50	-	47.63	0.00	3,418.87
MW - 14	08/15/13	3466.50	-	47.65	0.00	3,418.85
MW - 14	08/20/13	3466.50	-	47.69	0.00	3,418.81
MW - 14	09/12/13	3466.50	-	47.74	0.00	3,418.76
MW - 14	09/19/13	3466.50	-	47.73	0.00	3,418.77
MW - 14	09/25/13	3466.50	-	47.68	0.00	3,418.82
MW - 14	10/01/13	3466.50	-	47.73	0.00	3,418.77

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	10/09/13	3466.50	-	47.71	0.00	3,418.79
MW - 14	10/24/13	3466.50	-	47.67	0.00	3,418.83
MW - 14	10/29/13	3466.50	-	47.67	0.00	3,418.83
MW - 14	11/04/13	3466.50	-	47.63	0.00	3,418.87
MW - 14	11/05/13	3466.50	-	47.63	0.00	3,418.87
MW - 14	12/02/13	3466.50	-	47.67	0.00	3,418.83
MW - 14	12/10/13	3466.50	-	47.65	0.00	3,418.85
MW - 14	12/17/13	3466.50	-	47.69	0.00	3,418.81
MW - 14	12/23/13	3466.50	-	47.70	0.00	3,418.80
MW - 14	01/01/14	3466.50	-	47.65	0.00	3,418.85
MW - 14	01/07/14	3466.50	-	47.64	0.00	3,418.86
MW - 14	01/16/14	3466.50	-	47.67	0.00	3,418.83
MW - 14	01/23/14	3466.50	-	47.68	0.00	3,418.82
MW - 14	01/28/14	3466.50	-	47.68	0.00	3,418.82
MW - 14	02/11/14	3466.50	-	47.67	0.00	3,418.83
MW - 14	02/26/14	3466.50	-	47.61	0.00	3,418.89
MW - 14	03/21/14	3466.50	-	47.60	0.00	3,418.90
MW - 14	03/29/14	3466.50	-	47.60	0.00	3,418.90
MW - 14	04/10/14	3466.50	-	47.69	0.00	3,418.81
MW - 14	04/17/14	3466.50	-	47.62	0.00	3,418.88
MW - 14	04/24/14	3466.50	-	47.61	0.00	3,418.89
MW - 14	04/17/14	3466.50	-	47.62	0.00	3,418.88
MW - 14	05/01/14	3466.50	-	47.64	0.00	3,418.86
MW - 14	05/06/14	3466.50	-	47.67	0.00	3,418.83
MW - 14	05/12/14	3466.50	-	47.64	0.00	3,418.86
MW - 14	05/23/14	3466.50	-	47.65	0.00	3,418.85
MW - 14	05/27/14	3466.50	-	47.60	0.00	3,418.90
MW - 14	06/05/14	3466.50	-	47.68	0.00	3,418.82
MW - 14	06/18/14	3466.50	-	47.70	0.00	3,418.80
MW - 14	07/01/14	3466.50	-	47.45	0.00	3,419.05
MW - 14	07/23/14	3466.50	-	47.76	0.00	3,418.74
MW - 14	08/11/14	3466.50	-	47.79	0.00	3,418.71
MW - 14	08/21/14	3466.50	-	47.81	0.00	3,418.69
MW - 14	09/04/14	3466.50	-	47.81	0.00	3,418.69
MW - 14	10/28/14	3466.50	-	47.34	0.00	3,419.16
MW - 14	11/15/14	3466.50	-	47.32	0.00	3,419.18
MW - 14	02/18/15	3466.50	-	47.28	0.00	3,419.22
MW - 14	03/19/15	3466.50	-	47.28	0.00	3,419.22
MW - 14	04/16/15	3466.50	-	47.26	0.00	3,419.24
MW - 14	05/28/15	3466.50	-	47.33	0.00	3,419.17
MW - 14	07/21/15	3466.50	-	47.49	0.00	3,419.01
MW - 14	08/20/15	3466.50	-	47.57	0.00	3,418.93

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	09/11/15	3466.50	-	47.58	0.00	3,418.92
MW - 14	10/15/15	3466.50	-	47.55	0.00	3,418.95
MW - 14	11/30/15	3466.50	-	47.47	0.00	3,419.03
MW - 14	12/11/15	3466.50	-	47.43	0.00	3,419.07
MW - 14	01/19/16	3466.50	-	47.42	0.00	3,419.08
MW - 14	02/25/16	3466.50	-	47.46	0.00	3,419.04
MW - 14	03/17/16	3466.50	-	47.42	0.00	3,419.08
MW - 14	04/13/16	3466.50	-	47.40	0.00	3,419.10
MW - 14	06/02/16	3466.50	-	48.49	0.00	3,418.01
MW - 14	06/30/16	3466.50	-	47.55	0.00	3,418.95
MW - 14	07/26/16	3466.50	-	47.63	0.00	3,418.87
MW - 14	08/23/16	3466.50	-	47.61	0.00	3,418.89
MW - 14	09/12/16	3466.50	-	47.42	0.00	3,419.08
MW - 14	10/12/16	3466.50	-	47.28	0.00	3,419.22
MW - 14	12/01/16	3466.50	-	47.32	0.00	3,419.18
MW - 14	12/28/16	3466.50	-	47.32	0.00	3,419.18
MW - 15	01/06/03	3466.10	-	47.26	0.00	3,418.84
MW - 15	01/10/03	3466.10	-	47.23	0.00	3,418.87
MW - 15	01/21/03	3466.10	-	47.21	0.00	3,418.89
MW - 15	02/10/03	3466.10	-	47.20	0.00	3,418.90
MW - 15	05/15/03	3466.10	-	47.27	0.00	3,418.83
MW - 15	08/26/03	3466.10	-	47.44	0.00	3,418.66
MW - 15	11/24/03	3466.10	-	47.51	0.00	3,418.59
MW - 15	02/18/04	3466.10	-	47.46	0.00	3,418.64
MW - 15	05/12/04	3466.10	-	47.19	0.00	3,418.91
MW - 15	08/23/04	3466.10	-	46.66	0.00	3,419.44
MW - 15	12/07/04	3466.10	-	46.04	0.00	3,420.06
MW - 15	03/09/05	3466.10	-	46.17	0.00	3,419.93
MW - 15	06/09/05	3466.10	-	46.24	0.00	3,419.86
MW - 15	08/09/05	3466.10	-	45.81	0.00	3,420.29
MW - 15	09/01/05	3466.10	-	45.86	0.00	3,420.24
MW - 15	09/08/05	3466.10	-	45.95	0.00	3,420.15
MW - 15	12/01/05	3466.10	-	46.20	0.00	3,419.90
MW - 15	03/07/06	3466.10	-	46.29	0.00	3,419.81
MW - 15	06/06/06	3466.10	-	46.36	0.00	3,419.74
MW - 15	09/17/06	3466.10	-	46.28	0.00	3,419.82
MW - 15	11/20/06	3466.10	-	46.38	0.00	3,419.72
MW - 15	02/23/07	3466.10	-	46.38	0.00	3,419.72
MW - 15	05/18/07	3466.10	-	46.32	0.00	3,419.78
MW - 15	08/21/07	3466.10	46.40	46.50	0.10	3,419.69
MW - 15	08/27/07	3466.10	46.42	46.47	0.05	3,419.67

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	09/14/07	3466.10	sheen	46.45	0.00	3,419.65
MW - 15	09/26/07	3466.10	sheen	46.47	0.00	3,419.63
MW - 15	10/03/07	3466.10	sheen	46.46	0.00	3,419.64
MW - 15	10/10/07	3466.10	sheen	46.46	0.00	3,419.64
MW - 15	10/17/07	3466.10	sheen	46.42	0.00	3,419.68
MW - 15	11/05/07	3466.10	sheen	46.43	0.00	3,419.67
MW - 15	11/07/07	3466.10	sheen	46.44	0.00	3,419.66
MW - 15	12/18/07	3466.10	sheen	46.43	0.00	3,419.67
MW - 15	02/08/08	3466.10	-	46.38	0.00	3,419.72
MW - 15	05/08/08	3466.10	46.45	46.50	0.05	3,419.64
MW - 15	05/16/08	3466.10	46.38	46.48	0.10	3,419.71
MW - 15	06/05/08	3466.10	-	46.41	0.00	3,419.69
MW - 15	06/27/08	3466.10	-	46.49	0.00	3,419.61
MW - 15	07/15/08	3466.10	-	46.53	0.00	3,419.57
MW - 15	08/12/08	3466.10	-	45.60	0.00	3,420.50
MW - 15	08/13/08	3466.10	-	45.60	0.00	3,420.50
MW - 15	09/25/08	3466.10	-	46.60	0.00	3,419.50
MW - 15	09/30/08	3466.10	-	46.61	0.00	3,419.49
MW - 15	10/08/08	3466.10	-	46.62	0.00	3,419.48
MW - 15	11/06/08	3466.10	-	46.58	0.00	3,419.52
MW - 15	11/08/08	3466.10	-	46.60	0.00	3,419.50
MW - 15	12/17/08	3466.10	-	46.66	0.00	3,419.44
MW - 15	12/30/08	3466.10	-	46.61	0.00	3,419.49
MW - 15	01/07/09	3466.10	-	46.63	0.00	3,419.47
MW - 15	01/22/09	3466.10	-	46.65	0.00	3,419.45
MW - 15	01/26/09	3466.10	-	46.62	0.00	3,419.48
MW - 15	02/05/09	3466.10	-	46.62	0.00	3,419.48
MW - 15	02/13/09	3466.10	-	46.59	0.00	3,419.51
MW - 15	02/27/09	3466.10	-	46.58	0.00	3,419.52
MW - 15	03/03/09	3466.10	-	46.64	0.00	3,419.46
MW - 15	03/10/09	3466.10	-	46.55	0.00	3,419.55
MW - 15	03/18/09	3466.10	-	46.53	0.00	3,419.57
MW - 15	03/27/09	3466.10	-	46.52	0.00	3,419.58
MW - 15	04/02/09	3466.10	-	46.66	0.00	3,419.44
MW - 15	04/07/09	3466.10	-	46.54	0.00	3,419.56
MW - 15	04/14/09	3466.10	-	46.54	0.00	3,419.56
MW - 15	04/28/09	3466.10	-	46.52	0.00	3,419.58
MW - 15	05/07/09	3466.10	-	46.50	0.00	3,419.60
MW - 15	05/08/09	3466.10	-	46.50	0.00	3,419.60
MW - 15	06/02/09	3466.10	-	46.54	0.00	3,419.56
MW - 15	06/11/09	3466.10	-	46.51	0.00	3,419.59
MW - 15	06/16/09	3466.10	-	46.45	0.00	3,419.65

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	06/26/09	3466.10	-	46.52	0.00	3,419.58
MW - 15	06/30/09	3466.10	-	46.44	0.00	3,419.66
MW - 15	07/07/09	3466.10	-	46.57	0.00	3,419.53
MW - 15	07/15/09	3466.10	-	45.60	0.00	3,420.50
MW - 15	07/21/09	3466.10	-	46.62	0.00	3,419.48
MW - 15	07/28/09	3466.10	-	46.55	0.00	3,419.55
MW - 15	07/31/09	3466.10	-	46.63	0.00	3,419.47
MW - 15	08/05/09	3466.10	-	46.55	0.00	3,419.55
MW - 15	08/06/09	3466.10	-	46.53	0.00	3,419.57
MW - 15	08/13/09	3466.10	-	46.53	0.00	3,419.57
MW - 15	08/19/09	3466.10	-	46.56	0.00	3,419.54
MW - 15	08/25/09	3466.10	-	46.61	0.00	3,419.49
MW - 15	09/01/09	3466.10	-	46.65	0.00	3,419.45
MW - 15	09/08/09	3466.10	-	46.55	0.00	3,419.55
MW - 15	09/15/09	3466.10	-	46.57	0.00	3,419.53
MW - 15	09/25/09	3466.10	sheen	46.68	0.00	3,419.42
MW - 15	09/28/09	3466.10	-	46.73	0.00	3,419.37
MW - 15	10/02/09	3466.10	sheen	46.68	0.00	3,419.42
MW - 15	10/05/09	3466.10	-	46.73	0.00	3,419.37
MW - 15	10/09/09	3466.10	sheen	46.69	0.00	3,419.41
MW - 15	10/12/09	3466.10	-	46.74	0.00	3,419.36
MW - 15	10/22/09	3466.10	sheen	46.20	0.00	3,419.90
MW - 15	10/29/09	3466.10	sheen	46.68	0.00	3,419.42
MW - 15	11/06/09	3466.10	-	46.70	0.00	3,419.40
MW - 15	11/16/09	3466.10	-	46.78	0.00	3,419.32
MW - 15	12/22/09	3466.10	-	46.58	0.00	3,419.52
MW - 15	01/06/10	3466.10	-	46.70	0.00	3,419.40
MW - 15	02/08/10	3466.10	-	46.70	0.00	3,419.40
MW - 15	03/03/10	3466.10	-	46.69	0.00	3,419.41
MW - 15	05/11/10	3466.10	-	46.73	0.00	3,419.37
MW - 15	08/10/10	3466.10	-	46.72	0.00	3,419.38
MW - 15	11/09/10	3466.10	-	46.80	0.00	3,419.30
MW - 15	02/15/11	3466.10	-	46.81	0.00	3,419.29
MW - 15	05/05/11	3466.10	-	46.80	0.00	3,419.30
MW - 15	08/04/11	3466.10	-	46.83	0.00	3,419.27
MW - 15	11/21/11	3466.10	-	46.94	0.00	3,419.16
MW - 15	02/13/12	3466.10	-	46.84	0.00	3,419.26
MW - 15	05/29/12	3466.10	-	46.78	0.00	3,419.32
MW - 15	08/10/12	3466.10	-	46.88	0.00	3,419.22
MW - 15	11/06/12	3466.10	-	46.93	0.00	3,419.17
MW - 15	02/06/13	3466.10	-	46.86	0.00	3,419.24
MW - 15	06/05/13	3466.50	-	47.57	0.00	3,418.93

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	05/08/13	3466.10	-	46.85	0.00	3,419.25
MW - 15	08/01/13	3466.10	-	46.93	0.00	3,419.17
MW - 15	11/05/13	3466.10	-	46.89	0.00	3,419.21
MW - 15	02/26/14	3466.10	-	46.90	0.00	3,419.20
MW - 15	05/12/14	3466.10	-	46.94	0.00	3,419.16
MW - 15	07/23/14	3466.10	-	47.09	0.00	3,419.01
MW - 15	08/11/14	3466.10	-	47.11	0.00	3,418.99
MW - 15	10/28/14	3466.10	-	46.58	0.00	3,419.52
MW - 15	11/15/14	3466.10	-	46.23	0.00	3,419.87
MW - 15	02/18/15	3466.10	-	46.57	0.00	3,419.53
MW - 15	03/19/15	3466.10	-	46.57	0.00	3,419.53
MW - 15	04/16/15	3466.10	-	46.57	0.00	3,419.53
MW - 15	05/28/15	3466.10	-	46.60	0.00	3,419.50
MW - 15	07/21/15	3466.10	-	46.80	0.00	3,419.30
MW - 15	08/20/15	3466.10	-	46.88	0.00	3,419.22
MW - 15	09/11/15	3466.10	-	46.87	0.00	3,419.23
MW - 15	10/15/15	3466.10	-	46.84	0.00	3,419.26
MW - 15	11/30/15	3466.10	-	46.74	0.00	3,419.36
MW - 15	12/11/15	3466.10	-	46.72	0.00	3,419.38
MW - 15	01/19/16	3466.10	-	46.73	0.00	3,419.37
MW - 15	02/25/16	3466.10	-	46.74	0.00	3,419.36
MW - 15	03/17/16	3466.10	-	46.72	0.00	3,419.38
MW - 15	04/13/16	3466.10	-	46.71	0.00	3,419.39
MW - 15	06/02/16	3466.10	-	46.75	0.00	3,419.35
MW - 15	06/30/16	3466.10	-	46.86	0.00	3,419.24
MW - 15	07/26/16	3466.10	-	46.93	0.00	3,419.17
MW - 15	08/23/16	3466.10	-	46.88	0.00	3,419.22
MW - 15	09/12/16	3466.10	-	46.61	0.00	3,419.49
MW - 15	10/12/16	3466.10	-	46.47	0.00	3,419.63
MW - 15	12/01/16	3466.10	-	46.59	0.00	3,419.51
MW - 15	12/28/16	3466.10	-	46.60	0.00	3,419.50
MW - 16	12/07/04	3465.93	-	46.21	0.00	3,419.72
MW - 16	12/10/04	3465.93	-	46.25	0.00	3,419.68
MW - 16	03/09/05	3465.93	-	46.25	0.00	3,419.68
MW - 16	06/09/05	3465.93	-	46.31	0.00	3,419.62
MW - 16	08/09/05	3465.93	-	46.29	0.00	3,419.64
MW - 16	09/01/05	3465.93	-	46.13	0.00	3,419.80
MW - 16	09/08/05	3465.93	-	46.15	0.00	3,419.78
MW - 16	12/01/05	3465.93	-	46.27	0.00	3,419.66
MW - 16	03/07/06	3465.93	-	46.34	0.00	3,419.59
MW - 16	06/06/06	3465.93	-	46.46	0.00	3,419.47

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 16	09/15/06	3465.93	-	46.38	0.00	3,419.55
MW - 16	11/20/06	3465.93	-	46.42	0.00	3,419.51
MW - 16	02/23/07	3465.93	-	46.49	0.00	3,419.44
MW - 16	05/18/07	3465.93	-	46.43	0.00	3,419.50
MW - 16	08/21/07	3465.93	-	46.50	0.00	3,419.43
MW - 16	11/05/07	3465.93	-	46.49	0.00	3,419.44
MW - 16	02/08/08	3465.93	-	46.44	0.00	3,419.49
MW - 16	05/08/08	3465.93	-	46.40	0.00	3,419.53
MW - 16	08/13/08	3465.93	-	46.68	0.00	3,419.25
MW - 16	11/06/08	3465.93	-	46.73	0.00	3,419.20
MW - 16	02/04/09	3465.93	-	46.69	0.00	3,419.24
MW - 16	05/08/09	3465.93	-	46.58	0.00	3,419.35
MW - 16	08/05/09	3465.93	-	46.73	0.00	3,419.20
MW - 16	11/16/09	3465.93	-	46.83	0.00	3,419.10
MW - 16	01/06/10	3465.93	-	46.70	0.00	3,419.23
MW - 16	02/08/10	3465.93	-	46.70	0.00	3,419.23
MW - 16	05/11/10	3465.93	-	46.69	0.00	3,419.24
MW - 16	08/10/10	3465.93	-	46.69	0.00	3,419.24
MW - 16	11/09/10	3465.93	-	46.84	0.00	3,419.09
MW - 16	02/15/11	3465.93	-	46.83	0.00	3,419.10
MW - 16	05/05/11	3465.93	-	46.85	0.00	3,419.08
MW - 16	08/04/11	3465.93	-	46.87	0.00	3,419.06
MW - 16	11/21/11	3465.93	-	47.04	0.00	3,418.89
MW - 16	02/13/12	3465.93	-	46.90	0.00	3,419.03
MW - 16	05/29/12	3465.93	-	46.83	0.00	3,419.10
MW - 16	08/10/12	3465.93	-	46.94	0.00	3,418.99
MW - 16	11/06/12	3465.93	-	47.00	0.00	3,418.93
MW - 16	02/06/13	3465.93	-	46.93	0.00	3,419.00
MW - 16	05/08/13	3465.93	-	46.91	0.00	3,419.02
MW - 16	08/01/13	3465.93	-	47.03	0.00	3,418.90
MW - 16	11/05/13	3465.93	-	47.01	0.00	3,418.92
MW - 16	02/26/14	3465.93	-	46.95	0.00	3,418.98
MW - 16	04/10/14	3465.93	45.70	47.62	1.92	3,419.94
MW - 16	04/17/14	3465.93	45.71	47.62	1.91	3,419.93
MW - 16	04/17/14	3465.93	45.91	46.41	0.50	3,419.95
MW - 16	04/24/14	3465.93	-	47.29	0.00	3,418.64
MW - 16	05/12/14	3465.93	-	47.03	0.00	3,418.90
MW - 16	05/27/14	3465.93	-	47.05	0.00	3,418.88
MW - 16	06/18/14	3465.93	-	47.18	0.00	3,418.75
MW - 16	07/23/14	3465.93	-	47.20	0.00	3,418.73
MW - 16	08/11/14	3465.93	-	47.24	0.00	3,418.69
MW - 16	10/28/14	3465.93	-	46.75	0.00	3,419.18

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 16	11/15/14	3465.93	-	46.70	0.00	3,419.23
MW - 16	02/18/15	3465.93	-	46.64	0.00	3,419.29
MW - 16	03/19/15	3465.93	-	46.68	0.00	3,419.25
MW - 16	04/16/15	3465.93	-	46.64	0.00	3,419.29
MW - 16	05/28/15	3465.93	-	46.74	0.00	3,419.19
MW - 16	07/21/15	3465.93	-	46.92	0.00	3,419.01
MW - 16	08/20/15	3465.93	-	47.01	0.00	3,418.92
MW - 16	09/11/15	3465.93	-	46.99	0.00	3,418.94
MW - 16	10/15/15	3465.93	-	46.96	0.00	3,418.97
MW - 16	11/30/15	3465.93	-	46.85	0.00	3,419.08
MW - 16	12/11/15	3465.93	-	46.90	0.00	3,419.03
MW - 16	01/19/16	3465.93	-	46.78	0.00	3,419.15
MW - 16	02/25/16	3465.93	-	46.83	0.00	3,419.10
MW - 16	03/17/16	3465.93	-	46.80	0.00	3,419.13
MW - 16	04/13/16	3465.93	-	46.77	0.00	3,419.16
MW - 16	06/02/16	3465.93	-	46.88	0.00	3,419.05
MW - 16	06/30/16	3465.93	-	46.97	0.00	3,418.96
MW - 16	07/26/16	3465.93	-	47.07	0.00	3,418.86
MW - 16	09/12/16	3465.93	-	47.16	0.00	3,418.77
MW - 16	10/12/16	3465.93	-	46.85	0.00	3,419.08
MW - 16	12/01/16	3465.93	-	47.01	0.00	3,418.92
MW - 16	12/28/16	3465.93	-	47.19	0.00	3,418.74
MW - 17	12/07/04	3468.68	-	49.10	0.00	3,419.58
MW - 17	12/10/04	3468.68	-	49.13	0.00	3,419.55
MW - 17	03/09/05	3468.68	-	49.12	0.00	3,419.56
MW - 17	06/09/05	3468.68	-	49.19	0.00	3,419.49
MW - 17	08/09/05	3468.68	-	49.18	0.00	3,419.50
MW - 17	09/01/05	3468.68	-	49.03	0.00	3,419.65
MW - 17	09/08/05	3468.68	-	49.05	0.00	3,419.63
MW - 17	12/01/05	3468.68	-	49.16	0.00	3,419.52
MW - 17	03/07/06	3468.68	-	49.23	0.00	3,419.45
MW - 17	06/06/06	3468.68	-	49.34	0.00	3,419.34
MW - 17	09/15/06	3468.68	-	49.30	0.00	3,419.38
MW - 17	11/20/06	3468.68	-	49.33	0.00	3,419.35
MW - 17	02/23/07	3468.68	-	49.38	0.00	3,419.30
MW - 17	05/18/07	3468.68	-	49.34	0.00	3,419.34
MW - 17	08/21/07	3468.68	-	49.41	0.00	3,419.27
MW - 17	11/05/07	3468.68	-	49.39	0.00	3,419.29
MW - 17	02/08/08	3468.68	-	49.34	0.00	3,419.34
MW - 17	05/08/08	3468.68	-	49.31	0.00	3,419.37
MW - 17	08/13/08	3468.68	-	49.55	0.00	3,419.13

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 17	11/06/08	3468.68	-	49.62	0.00	3,419.06
MW - 17	02/04/09	3468.68	-	49.61	0.00	3,419.07
MW - 17	05/08/09	3468.68	-	49.49	0.00	3,419.19
MW - 17	08/05/09	3468.68	-	49.68	0.00	3,419.00
MW - 17	11/16/09	3468.68	-	49.72	0.00	3,418.96
MW - 17	01/06/10	3468.68	-	49.62	0.00	3,419.06
MW - 17	02/08/10	3468.68	-	49.62	0.00	3,419.06
MW - 17	05/11/10	3468.68	-	49.63	0.00	3,419.05
MW - 17	08/10/10	3468.68	-	49.63	0.00	3,419.05
MW - 17	11/09/10	3468.68	-	49.70	0.00	3,418.98
MW - 17	02/15/11	3468.68	-	49.73	0.00	3,418.95
MW - 17	05/05/11	3468.68	-	49.72	0.00	3,418.96
MW - 17	08/04/11	3468.68	-	49.72	0.00	3,418.96
MW - 17	11/21/11	3468.68	-	49.94	0.00	3,418.74
MW - 17	02/13/12	3468.68	-	49.82	0.00	3,418.86
MW - 17	05/29/12	3468.68	-	49.75	0.00	3,418.93
MW - 17	08/10/12	3468.68	-	49.84	0.00	3,418.84
MW - 17	11/06/12	3468.68	-	49.90	0.00	3,418.78
MW - 17	02/06/13	3468.68	-	49.83	0.00	3,418.85
MW - 17	05/08/13	3468.68	-	49.83	0.00	3,418.85
MW - 17	08/01/13	3468.68	-	49.90	0.00	3,418.78
MW - 17	11/05/13	3468.68	-	49.91	0.00	3,418.77
MW - 17	02/26/14	3468.68	-	49.86	0.00	3,418.82
MW - 17	05/12/14	3468.68	-	49.93	0.00	3,418.75
MW - 17	07/11/14	3468.68	-	50.08	0.00	3,418.60
MW - 17	07/23/14	3468.68	-	50.02	0.00	3,418.66
MW - 17	08/11/14	3468.68	-	50.08	0.00	3,418.60
MW - 17	10/28/14	3468.68	-	49.62	0.00	3,419.06
MW - 17	11/15/14	3468.68	-	49.59	0.00	3,419.09
MW - 17	02/18/15	3468.68	-	49.52	0.00	3,419.16
MW - 17	03/19/15	3468.68	-	49.53	0.00	3,419.15
MW - 17	04/16/15	3468.68	-	49.51	0.00	3,419.17
MW - 17	05/28/15	3468.68	-	49.62	0.00	3,419.06
MW - 17	07/21/15	3468.68	-	49.80	0.00	3,418.88
MW - 17	08/20/15	3468.68	-	49.87	0.00	3,418.81
MW - 17	09/11/15	3468.68	-	49.86	0.00	3,418.82
MW - 17	10/15/15	3468.68	-	49.83	0.00	3,418.85
MW - 17	11/30/15	3468.68	-	49.76	0.00	3,418.92
MW - 17	12/11/15	3468.68	-	49.69	0.00	3,418.99
MW - 17	01/19/16	3468.68	-	49.69	0.00	3,418.99
MW - 17	02/25/16	3468.68	-	49.71	0.00	3,418.97
MW - 17	03/17/16	3468.68	-	49.68	0.00	3,419.00

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 17	04/13/16	3468.68	-	49.67	0.00	3,419.01
MW - 17	06/02/16	3468.68	-	49.76	0.00	3,418.92
MW - 17	06/30/16	3468.68	-	49.84	0.00	3,418.84
MW - 17	07/26/16	3468.68	-	49.93	0.00	3,418.75
MW - 17	09/12/16	3468.68	-	49.72	0.00	3,418.96
MW - 17	10/12/16	3468.68	-	49.54	0.00	3,419.14
MW - 17	12/01/16	3468.68	-	49.59	0.00	3,419.09
MW - 17	12/28/16	3468.68	-	49.17	0.00	3,419.51
RW - 1	01/06/03	3465.02	-	46.11	0.00	3,418.91
RW - 1	01/07/03	3465.02	-	46.14	0.00	3,418.88
RW - 1	01/13/03	3465.02	-	46.12	0.00	3,418.90
RW - 1	01/21/03	3465.02	-	46.09	0.00	3,418.93
RW - 1	01/27/03	3465.02	-	46.08	0.00	3,418.94
RW - 1	04/03/03	3465.02	46.07	46.08	0.01	3,418.95
RW - 1	05/15/03	3465.02	-	46.12	0.00	3,418.90
RW - 1	08/26/03	3465.02	-	46.29	0.00	3,418.73
RW - 1	11/24/03	3465.02	-	46.49	0.00	3,418.53
RW - 1	02/18/04	3465.02	-	46.30	0.00	3,418.72
RW - 1	04/15/04	3465.02	-	46.75	0.00	3,418.27
RW - 1	04/19/04	3465.02	-	46.15	0.00	3,418.87
RW - 1	05/12/04	3465.02	-	46.03	0.00	3,418.99
RW - 1	06/22/04	3465.02	46.02	46.03	0.01	3,419.00
RW - 1	07/07/04	3465.02	46.01	46.02	0.01	3,419.01
RW - 1	07/13/04	3465.02	46.01	46.02	0.01	3,419.01
RW - 1	07/21/04	3465.02	45.45	45.46	0.01	3,419.57
RW - 1	08/11/04	3465.02	-	45.49	0.00	3,419.53
RW - 1	08/17/04	3465.02	sheen	45.53	0.00	3,419.49
RW - 1	08/23/04	3465.02	-	45.49	0.00	3,419.53
RW - 1	09/13/04	3465.02	sheen	45.50	0.00	3,419.52
RW - 1	09/20/04	3465.02	-	45.51	0.00	3,419.51
RW - 1	09/29/04	3465.02	sheen	45.60	0.00	3,419.42
RW - 1	10/04/04	3465.02	sheen	45.57	0.00	3,419.45
RW - 1	10/12/04	3465.02	sheen	44.41	0.00	3,420.61
RW - 1	10/19/04	3465.02	sheen	44.50	0.00	3,420.52
RW - 1	10/25/04	3465.02	sheen	44.54	0.00	3,420.48
RW - 1	11/01/04	3465.02	sheen	44.81	0.00	3,420.21
RW - 1	11/09/04	3465.02	sheen	44.79	0.00	3,420.23
RW - 1	11/17/04	3465.02	sheen	44.91	0.00	3,420.11
RW - 1	11/29/04	3465.02	sheen	45.02	0.00	3,420.00
RW - 1	12/07/04	3465.02	-	44.95	0.00	3,420.07
RW - 1	12/13/04	3465.02	sheen	45.00	0.00	3,420.02

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	12/20/04	3465.02	sheen	44.94	0.00	3,420.08
RW - 1	12/30/04	3465.02	sheen	45.04	0.00	3,419.98
RW - 1	01/03/05	3465.02	sheen	45.04	0.00	3,419.98
RW - 1	01/10/05	3465.02	sheen	44.80	0.00	3,420.22
RW - 1	01/17/05	3465.02	sheen	45.07	0.00	3,419.95
RW - 1	01/24/05	3465.02	sheen	45.07	0.00	3,419.95
RW - 1	01/31/05	3465.02	sheen	45.08	0.00	3,419.94
RW - 1	02/07/05	3465.02	sheen	45.06	0.00	3,419.96
RW - 1	02/14/05	3465.02	sheen	45.07	0.00	3,419.95
RW - 1	02/21/05	3465.02	sheen	45.07	0.00	3,419.95
RW - 1	02/28/05	3465.02	sheen	45.10	0.00	3,419.92
RW - 1	03/07/05	3465.02	sheen	45.04	0.00	3,419.98
RW - 1	03/09/05	3465.02	-	45.04	0.00	3,419.98
RW - 1	03/16/05	3465.02	sheen	45.11	0.00	3,419.91
RW - 1	03/21/05	3465.02	sheen	45.10	0.00	3,419.92
RW - 1	03/28/05	3465.02	sheen	45.09	0.00	3,419.93
RW - 1	04/04/05	3465.02	sheen	45.09	0.00	3,419.93
RW - 1	04/13/05	3465.02	sheen	45.11	0.00	3,419.91
RW - 1	04/18/05	3465.02	sheen	45.19	0.00	3,419.83
RW - 1	05/23/05	3465.02	sheen	45.12	0.00	3,419.90
RW - 1	06/09/05	3465.02	-	45.15	0.00	3,419.87
RW - 1	06/21/05	3465.02	sheen	45.19	0.00	3,419.83
RW - 1	07/14/05	3465.02	sheen	45.20	0.00	3,419.82
RW - 1	07/26/05	3465.02	sheen	45.20	0.00	3,419.82
RW - 1	08/09/05	3465.02	-	44.85	0.00	3,420.17
RW - 1	08/25/05	3465.02	sheen	44.72	0.00	3,420.30
RW - 1	09/01/05	3465.02	-	44.77	0.00	3,420.25
RW - 1	09/08/05	3465.02	44.83	44.84	0.01	3,420.19
RW - 1	09/13/05	3465.02	sheen	44.86	0.00	3,420.16
RW - 1	09/26/05	3465.02	sheen	44.97	0.00	3,420.05
RW - 1	10/11/05	3465.02	sheen	45.05	0.00	3,419.97
RW - 1	10/25/05	3465.02	sheen	45.00	0.00	3,420.02
RW - 1	11/10/05	3465.02	-	45.01	0.00	3,420.01
RW - 1	11/14/05	3465.02	sheen	45.06	0.00	3,419.96
RW - 1	12/01/05	3465.02	-	45.09	0.00	3,419.93
RW - 1	12/28/05	3465.02	sheen	45.14	0.00	3,419.88
RW - 1	01/11/06	3465.02	sheen	45.14	0.00	3,419.88
RW - 1	01/25/06	3465.02	sheen	45.21	0.00	3,419.81
RW - 1	02/08/06	3465.02	sheen	45.13	0.00	3,419.89
RW - 1	02/23/06	3465.02	sheen	45.15	0.00	3,419.87
RW - 1	03/07/06	3465.02	-	45.16	0.00	3,419.86
RW - 1	03/08/06	3465.02	sheen	45.13	0.00	3,419.89

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	03/20/06	3465.02	sheen	45.16	0.00	3,419.86
RW - 1	03/30/06	3465.02	-	45.08	0.00	3,419.94
RW - 1	05/03/06	3465.02	sheen	45.21	0.00	3,419.81
RW - 1	06/01/06	3465.02	sheen	45.22	0.00	3,419.80
RW - 1	06/06/06	3465.02	-	45.23	0.00	3,419.79
RW - 1	06/14/06	3465.02	sheen	45.22	0.00	3,419.80
RW - 1	07/13/06	3465.02	sheen	45.52	0.00	3,419.50
RW - 1	07/27/06	3465.02	-	15.46	0.00	3,449.56
RW - 1	08/10/06	3465.02	sheen	45.27	0.00	3,419.75
RW - 1	09/15/06	3465.02	-	45.23	0.00	3,419.79
RW - 1	10/03/06	3465.02	sheen	45.25	0.00	3,419.77
RW - 1	11/20/06	3465.02	-	45.31	0.00	3,419.71
RW - 1	01/11/07	3465.02	sheen	45.37	0.00	3,419.65
RW - 1	02/15/07	3465.02	-	45.28	0.00	3,419.74
RW - 1	02/23/07	3465.02	-	45.29	0.00	3,419.73
RW - 1	03/08/07	3465.02	sheen	45.29	0.00	3,419.73
RW - 1	03/28/07	3465.02	sheen	45.26	0.00	3,419.76
RW - 1	04/25/07	3465.02	-	45.28	0.00	3,419.74
RW - 1	05/18/07	3465.02	-	45.14	0.00	3,419.88
RW - 1	07/12/07	3465.02	-	45.21	0.00	3,419.81
RW - 1	08/21/07	3465.02	-	45.26	0.00	3,419.76
RW - 1	11/05/07	3465.02	-	45.38	0.00	3,419.64
RW - 1	02/08/08	3465.02	-	45.38	0.00	3,419.64
RW - 1	05/08/08	3465.02	-	45.28	0.00	3,419.74
RW - 1	08/13/08	3465.02	-	51.48	0.00	3,413.54
RW - 1	09/30/08	3465.02	-	45.57	0.00	3,419.45
RW - 1	10/08/08	3465.02	-	45.52	0.00	3,419.50
RW - 1	10/24/08	3465.02	-	45.48	0.00	3,419.54
RW - 1	11/06/08	3465.02	-	45.49	0.00	3,419.53
RW - 1	12/17/08	3465.02	-	45.53	0.00	3,419.49
RW - 1	12/30/08	3465.02	-	45.51	0.00	3,419.51
RW - 1	01/07/09	3465.02	-	45.51	0.00	3,419.51
RW - 1	01/22/09	3465.02	-	44.49	0.00	3,420.53
RW - 1	01/26/09	3465.02	-	45.48	0.00	3,419.54
RW - 1	02/05/09	3465.02	-	45.53	0.00	3,419.49
RW - 1	02/13/09	3465.02	-	45.48	0.00	3,419.54
RW - 1	02/27/09	3465.02	-	45.49	0.00	3,419.53
RW - 1	03/03/09	3465.02	-	45.55	0.00	3,419.47
RW - 1	03/10/09	3465.02	-	45.49	0.00	3,419.53
RW - 1	03/18/09	3465.02	-	45.45	0.00	3,419.57
RW - 1	03/27/09	3465.02	-	45.41	0.00	3,419.61
RW - 1	04/02/09	3465.02	-	45.54	0.00	3,419.48

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	04/07/09	3465.02	-	45.41	0.00	3,419.61
RW - 1	04/14/09	3465.02	-	45.40	0.00	3,419.62
RW - 1	04/28/09	3465.02	-	45.43	0.00	3,419.59
RW - 1	05/07/09	3465.02	-	45.37	0.00	3,419.65
RW - 1	05/08/09	3465.02	-	45.37	0.00	3,419.65
RW - 1	06/16/09	3465.02	-	45.39	0.00	3,419.63
RW - 1	06/26/09	3465.02	-	45.42	0.00	3,419.60
RW - 1	06/30/09	3465.02	-	43.39	0.00	3,421.63
RW - 1	07/07/09	3465.02	-	45.41	0.00	3,419.61
RW - 1	07/28/09	3465.02	-	45.39	0.00	3,419.63
RW - 1	07/31/09	3465.02	-	45.45	0.00	3,419.57
RW - 1	08/05/09	3465.02	-	45.44	0.00	3,419.58
RW - 1	08/06/09	3465.02	-	45.44	0.00	3,419.58
RW - 1	08/13/09	3465.02	-	45.42	0.00	3,419.60
RW - 1	08/25/09	3465.02	-	45.59	0.00	3,419.43
RW - 1	09/01/09	3465.02	-	45.54	0.00	3,419.48
RW - 1	09/08/09	3465.02	-	45.40	0.00	3,419.62
RW - 1	09/15/09	3465.02	-	45.42	0.00	3,419.60
RW - 1	09/25/09	3465.02	sheen	45.55	0.00	3,419.47
RW - 1	09/28/09	3465.02	-	45.64	0.00	3,419.38
RW - 1	10/02/09	3465.02	sheen	45.58	0.00	3,419.44
RW - 1	10/05/09	3465.02	-	45.60	0.00	3,419.42
RW - 1	10/09/09	3465.02	sheen	45.51	0.00	3,419.51
RW - 1	10/12/09	3465.02	-	45.60	0.00	3,419.42
RW - 1	10/22/09	3465.02	sheen	45.55	0.00	3,419.47
RW - 1	10/29/09	3465.02	sheen	45.54	0.00	3,419.48
RW - 1	11/06/09	3465.02	sheen	45.55	0.00	3,419.47
RW - 1	11/16/09	3465.02	-	45.67	0.00	3,419.35
RW - 1	11/25/09	3465.02	-	45.61	0.00	3,419.41
RW - 1	12/11/09	3465.02	-	45.55	0.00	3,419.47
RW - 1	12/22/09	3465.02	-	45.43	0.00	3,419.59
RW - 1	01/06/10	3465.02	-	45.64	0.00	3,419.38
RW - 1	01/20/10	3465.02	-	45.49	0.00	3,419.53
RW - 1	02/08/10	3465.02	-	45.59	0.00	3,419.43
RW - 1	03/03/10	3465.02	-	45.65	0.00	3,419.37
RW - 1	03/16/10	3465.02	-	45.55	0.00	3,419.47
RW - 1	03/23/10	3465.02	-	45.61	0.00	3,419.41
RW - 1	04/05/10	3465.02	-	45.49	0.00	3,419.53
RW - 1	04/15/10	3465.02	-	45.61	0.00	3,419.41
RW - 1	05/11/10	3465.02	-	45.63	0.00	3,419.39
RW - 1	05/26/10	3465.02	-	45.53	0.00	3,419.49
RW - 1	06/08/10	3465.02	-	45.53	0.00	3,419.49

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	06/16/10	3465.02	sheen	45.51	0.00	3,419.51
RW - 1	06/25/10	3465.02	-	45.56	0.00	3,419.46
RW - 1	07/08/10	3465.02	sheen	45.59	0.00	3,419.43
RW - 1	07/13/10	3465.02	sheen	45.63	0.00	3,419.39
RW - 1	07/28/10	3465.02	sheen	45.43	0.00	3,419.59
RW - 1	08/04/10	3465.02	sheen	45.45	0.00	3,419.57
RW - 1	08/10/10	3465.02	-	45.69	0.00	3,419.33
RW - 1	08/19/10	3465.02	sheen	45.53	0.00	3,419.49
RW - 1	08/27/10	3465.02	sheen	45.52	0.00	3,419.50
RW - 1	09/03/10	3465.02	-	45.72	0.00	3,419.30
RW - 1	09/09/10	3465.02	-	45.70	0.00	3,419.32
RW - 1	09/17/10	3465.02	sheen	45.48	0.00	3,419.54
RW - 1	10/01/10	3465.02	-	45.71	0.00	3,419.31
RW - 1	10/06/10	3465.02	-	45.70	0.00	3,419.32
RW - 1	10/13/10	3465.02	sheen	45.60	0.00	3,419.42
RW - 1	10/26/10	3465.02	-	45.70	0.00	3,419.32
RW - 1	11/05/10	3465.02	sheen	45.62	0.00	3,419.40
RW - 1	11/09/10	3465.02	-	45.70	0.00	3,419.32
RW - 1	11/12/10	3465.02	sheen	45.59	0.00	3,419.43
RW - 1	12/10/10	3465.02	sheen	45.56	0.00	3,419.46
RW - 1	12/13/10	3465.02	-	45.70	0.00	3,419.32
RW - 1	01/27/11	3465.02	-	45.70	0.00	3,419.32
RW - 1	02/15/11	3465.02	-	45.73	0.00	3,419.29
RW - 1	05/05/11	3465.02	-	45.72	0.00	3,419.30
RW - 1	05/12/11	3465.02	-	45.65	0.00	3,419.37
RW - 1	05/16/11	3465.02	-	45.67	0.00	3,419.35
RW - 1	05/26/11	3465.02	-	45.53	0.00	3,419.49
RW - 1	06/09/11	3465.02	-	45.62	0.00	3,419.40
RW - 1	06/29/11	3465.02	-	45.65	0.00	3,419.37
RW - 1	07/05/11	3465.02	-	45.66	0.00	3,419.36
RW - 1	07/15/11	3465.02	-	45.47	0.00	3,419.55
RW - 1	07/22/11	3465.02	-	45.50	0.00	3,419.52
RW - 1	07/28/11	3465.02	-	45.51	0.00	3,419.51
RW - 1	08/04/11	3465.02	-	45.74	0.00	3,419.28
RW - 1	08/11/11	3465.02	-	45.70	0.00	3,419.32
RW - 1	08/24/11	3465.02	-	45.75	0.00	3,419.27
RW - 1	09/02/11	3465.02	-	45.83	0.00	3,419.19
RW - 1	09/09/11	3465.02	-	46.01	0.00	3,419.01
RW - 1	09/23/11	3465.02	-	46.37	0.00	3,418.65
RW - 1	11/21/11	3465.02	-	45.90	0.00	3,419.12
RW - 1	11/28/11	3465.02	-	45.92	0.00	3,419.10
RW - 1	12/09/11	3465.02	-	45.93	0.00	3,419.09

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	12/21/11	3465.02	-	45.85	0.00	3,419.17
RW - 1	01/26/12	3465.02	-	45.81	0.00	3,419.21
RW - 1	02/02/12	3465.02	-	45.75	0.00	3,419.27
RW - 1	02/07/12	3465.02	-	45.80	0.00	3,419.22
RW - 1	02/13/12	3465.02	-	45.76	0.00	3,419.26
RW - 1	03/07/12	3465.02	-	45.76	0.00	3,419.26
RW - 1	03/23/12	3465.02	-	45.69	0.00	3,419.33
RW - 1	03/30/12	3465.02	-	45.80	0.00	3,419.22
RW - 1	04/05/12	3465.02	-	45.70	0.00	3,419.32
RW - 1	04/13/12	3465.02	-	45.72	0.00	3,419.30
RW - 1	04/26/12	3465.02	-	45.82	0.00	3,419.20
RW - 1	05/03/12	3465.02	-	46.02	0.00	3,419.00
RW - 1	05/07/12	3465.02	-	45.73	0.00	3,419.29
RW - 1	05/29/12	3465.02	-	45.63	0.00	3,419.39
RW - 1	06/08/12	3465.02	-	45.70	0.00	3,419.32
RW - 1	06/15/12	3465.02	-	45.72	0.00	3,419.30
RW - 1	06/22/12	3465.02	-	45.70	0.00	3,419.32
RW - 1	06/29/12	3465.02	-	45.74	0.00	3,419.28
RW - 1	07/03/12	3465.02	-	45.75	0.00	3,419.27
RW - 1	08/10/12	3465.02	-	45.80	0.00	3,419.22
RW - 1	08/16/12	3465.02	-	45.85	0.00	3,419.17
RW - 1	09/12/12	3465.02	-	45.88	0.00	3,419.14
RW - 1	10/17/12	3465.02	-	45.79	0.00	3,419.23
RW - 1	10/12/12	3465.02	-	45.97	0.00	3,419.05
RW - 1	10/24/12	3465.02	-	45.79	0.00	3,419.23
RW - 1	11/06/12	3465.02	-	45.75	0.00	3,419.27
RW - 1	12/14/12	3465.02	-	45.73	0.00	3,419.29
RW - 1	12/21/12	3465.02	-	45.78	0.00	3,419.24
RW - 1	02/06/13	3465.02	-	45.70	0.00	3,419.32
RW - 1	02/20/13	3465.02	-	45.67	0.00	3,419.35
RW - 1	03/29/13	3465.02	-	45.70	0.00	3,419.32
RW - 1	04/03/13	3465.02	-	45.70	0.00	3,419.32
RW - 1	04/09/13	3465.02	-	45.96	0.00	3,419.06
RW - 1	04/19/13	3465.02	-	45.72	0.00	3,419.30
RW - 1	04/24/13	3465.02	-	45.70	0.00	3,419.32
RW - 1	05/02/13	3465.02	-	45.70	0.00	3,419.32
RW - 1	05/08/13	3465.02	-	45.68	0.00	3,419.34
RW - 1	05/10/13	3465.02	-	45.71	0.00	3,419.31
RW - 1	05/17/13	3465.02	-	45.69	0.00	3,419.33
RW - 1	05/22/13	3465.02	-	45.69	0.00	3,419.33
RW - 1	05/30/13	3465.02	-	45.68	0.00	3,419.34
RW - 1	06/05/13	3465.02	-	45.69	0.00	3,419.33

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	06/12/13	3465.02	-	45.70	0.00	3,419.32
RW - 1	06/18/13	3465.02	-	45.70	0.00	3,419.32
RW - 1	06/25/13	3465.02	-	45.70	0.00	3,419.32
RW - 1	07/02/13	3465.02	-	45.75	0.00	3,419.27
RW - 1	07/09/13	3465.02	-	45.74	0.00	3,419.28
RW - 1	07/26/13	3465.02	-	45.77	0.00	3,419.25
RW - 1	07/29/13	3465.02	-	45.77	0.00	3,419.25
RW - 1	08/01/13	3465.02	-	45.76	0.00	3,419.26
RW - 1	08/06/13	3465.02	-	45.78	0.00	3,419.24
RW - 1	08/15/13	3465.02	-	45.77	0.00	3,419.25
RW - 1	08/20/13	3465.02	-	45.81	0.00	3,419.21
RW - 1	09/12/13	3465.02	-	45.84	0.00	3,419.18
RW - 1	09/19/13	3465.02	-	45.85	0.00	3,419.17
RW - 1	09/25/13	3465.02	-	45.80	0.00	3,419.22
RW - 1	10/01/13	3465.02	-	45.86	0.00	3,419.16
RW - 1	10/09/13	3465.02	-	45.84	0.00	3,419.18
RW - 1	10/24/13	3465.02	-	45.74	0.00	3,419.28
RW - 1	10/29/13	3465.02	-	45.75	0.00	3,419.27
RW - 1	11/04/13	3465.02	-	45.75	0.00	3,419.27
RW - 1	11/05/13	3465.02	-	45.72	0.00	3,419.30
RW - 1	12/02/13	3465.02	-	45.77	0.00	3,419.25
RW - 1	12/10/13	3465.02	-	45.78	0.00	3,419.24
RW - 1	12/17/13	3465.02	-	45.79	0.00	3,419.23
RW - 1	12/23/13	3465.02	-	45.80	0.00	3,419.22
RW - 1	01/01/14	3465.02	-	45.75	0.00	3,419.27
RW - 1	01/07/14	3465.02	-	45.75	0.00	3,419.27
RW - 1	01/16/14	3465.02	-	45.78	0.00	3,419.24
RW - 1	01/23/14	3465.02	-	45.78	0.00	3,419.24
RW - 1	01/28/14	3465.02	-	45.80	0.00	3,419.22
RW - 1	02/11/14	3465.02	-	45.78	0.00	3,419.24
RW - 1	02/26/14	3465.02	-	45.72	0.00	3,419.30
RW - 1	03/21/14	3465.02	-	45.73	0.00	3,419.29
RW - 1	03/29/14	3465.02	-	45.71	0.00	3,419.31
RW - 1	04/10/14	3465.02	-	45.72	0.00	3,419.30
RW - 1	04/17/14	3465.02	-	45.76	0.00	3,419.26
RW - 1	04/17/14	3465.02	-	47.01	0.00	3,418.01
RW - 1	04/24/14	3465.02	-	45.74	0.00	3,419.28
RW - 1	05/01/14	3465.02	-	45.74	0.00	3,419.28
RW - 1	05/06/14	3465.02	-	45.72	0.00	3,419.30
RW - 1	05/12/14	3465.02	-	45.74	0.00	3,419.28
RW - 1	05/23/14	3465.02	-	45.75	0.00	3,419.27
RW - 1	05/27/14	3465.02	-	45.75	0.00	3,419.27

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	06/05/14	3465.02	-	45.76	0.00	3,419.26
RW - 1	06/18/14	3465.02	-	45.82	0.00	3,419.20
RW - 1	06/26/14	3465.02	-	45.84	0.00	3,419.18
RW - 1	07/01/14	3465.02	-	45.86	0.00	3,419.16
RW - 1	07/08/14	3465.02	-	45.87	0.00	3,419.15
RW - 1	07/17/14	3465.02	-	45.90	0.00	3,419.12
RW - 1	07/23/14	3465.02	-	45.90	0.00	3,419.12
RW - 1	08/06/14	3465.02	-	45.91	0.00	3,419.11
RW - 1	08/11/14	3465.02	-	45.91	0.00	3,419.11
RW - 1	08/21/14	3465.02	-	45.92	0.00	3,419.10
RW - 1	09/04/14	3465.02	-	45.95	0.00	3,419.07
RW - 1	10/02/14	3465.02	-	45.17	0.00	3,419.85
RW - 1	10/08/14	3465.02	-	45.23	0.00	3,419.79
RW - 1	10/15/14	3465.02	-	45.34	0.00	3,419.68
RW - 1	10/23/14	3465.02	-	45.38	0.00	3,419.64
RW - 1	10/28/14	3465.02	-	45.39	0.00	3,419.63
RW - 1	10/29/14	3465.02	-	45.12	0.00	3,419.90
RW - 1	11/07/14	3465.02	-	45.40	0.00	3,419.62
RW - 1	11/15/14	3465.02	-	45.38	0.00	3,419.64
RW - 1	12/11/14	3465.02	-	47.48	0.00	3,417.54
RW - 1	12/18/14	3465.02	-	45.41	0.00	3,419.61
RW - 1	01/07/15	3465.02	-	45.46	0.00	3,419.56
RW - 1	01/15/15	3465.02	-	45.42	0.00	3,419.60
RW - 1	01/28/15	3465.02	-	45.40	0.00	3,419.62
RW - 1	02/04/15	3465.02	-	45.39	0.00	3,419.63
RW - 1	02/13/15	3465.02	-	45.43	0.00	3,419.59
RW - 1	02/17/15	3465.02	-	45.45	0.00	3,419.57
RW - 1	02/18/15	3465.02	-	45.40	0.00	3,419.62
RW - 1	02/24/15	3465.02	-	45.41	0.00	3,419.61
RW - 1	03/10/15	3465.02	-	45.83	0.00	3,419.19
RW - 1	03/17/15	3465.02	-	45.43	0.00	3,419.59
RW - 1	03/19/15	3465.02	-	45.41	0.00	3,419.61
RW - 1	03/25/15	3465.02	-	45.43	0.00	3,419.59
RW - 1	04/07/15	3465.02	-	45.43	0.00	3,419.59
RW - 1	04/14/15	3465.02	-	45.44	0.00	3,419.58
RW - 1	04/16/15	3465.02	-	45.42	0.00	3,419.60
RW - 1	04/21/15	3465.02	-	45.44	0.00	3,419.58
RW - 1	05/06/15	3465.02	-	45.42	0.00	3,419.60
RW - 1	05/20/15	3465.02	-	45.45	0.00	3,419.57
RW - 1	05/28/15	3465.02	-	45.42	0.00	3,419.60
RW - 1	06/09/15	3465.02	-	45.46	0.00	3,419.56
RW - 1	06/18/15	3465.02	-	45.45	0.00	3,419.57

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW -1	07/06/15	3465.02	-	45.53	0.00	3,419.49
RW -1	07/17/15	3465.02	-	45.55	0.00	3,419.47
RW -1	07/21/15	3465.02	-	45.58	0.00	3,419.44
RW -1	07/28/15	3465.02	-	45.60	0.00	3,419.42
RW -1	08/05/15	3465.02	-	45.61	0.00	3,419.41
RW -1	08/11/15	3465.02	-	45.65	0.00	3,419.37
RW -1	08/12/15	3465.02	-	45.53	0.00	3,419.49
RW -1	08/20/15	3465.02	-	45.69	0.00	3,419.33
RW -1	08/21/15	3465.02	-	45.69	0.00	3,419.33
RW -1	08/27/15	3465.02	-	45.71	0.00	3,419.31
RW -1	09/01/15	3465.02	-	45.70	0.00	3,419.32
RW -1	09/09/15	3465.02	-	45.68	0.00	3,419.34
RW -1	09/11/15	3465.02	-	45.68	0.00	3,419.34
RW -1	09/17/15	3465.02	-	45.70	0.00	3,419.32
RW -1	09/25/15	3465.02	-	45.71	0.00	3,419.31
RW -1	09/30/15	3465.02	-	45.70	0.00	3,419.32
RW -1	10/07/15	3465.02	-	45.72	0.00	3,419.30
RW -1	10/13/15	3465.02	-	45.70	0.00	3,419.32
RW -1	10/15/15	3465.02	-	45.65	0.00	3,419.37
RW -1	10/26/15	3465.02	-	45.67	0.00	3,419.35
RW -1	11/05/15	3465.02	-	45.59	0.00	3,419.43
RW -1	11/09/15	3465.02	-	45.61	0.00	3,419.41
RW -1	11/30/15	3465.02	-	45.58	0.00	3,419.44
RW -1	12/01/15	3465.02	-	45.58	0.00	3,419.44
RW -1	12/09/15	3465.02	-	45.57	0.00	3,419.45
RW -1	12/11/15	3465.02	-	45.56	0.00	3,419.46
RW -1	12/15/15	3465.02	-	45.55	0.00	3,419.47
RW -1	12/24/15	3465.02	-	45.58	0.00	3,419.44
RW -1	01/06/16	3465.02	-	45.58	0.00	3,419.44
RW -1	01/15/16	3465.02	-	45.60	0.00	3,419.42
RW -1	01/19/16	3465.02	-	45.56	0.00	3,419.46
RW -1	01/28/16	3465.02	-	45.56	0.00	3,419.46
RW -1	02/03/16	3465.02	-	45.53	0.00	3,419.49
RW -1	02/11/16	3465.02	-	45.58	0.00	3,419.44
RW -1	02/19/16	3465.02	-	45.58	0.00	3,419.44
RW -1	02/23/15	3465.02	-	45.57	0.00	3,419.45
RW -1	02/25/16	3465.02	-	45.57	0.00	3,419.45
RW -1	03/01/16	3465.02	-	45.58	0.00	3,419.44
RW -1	03/08/16	3465.02	-	45.55	0.00	3,419.47
RW -1	03/16/16	3465.02	-	45.55	0.00	3,419.47
RW -1	03/17/16	3465.02	-	45.56	0.00	3,419.46
RW -1	03/24/16	3465.02	-	45.55	0.00	3,419.47

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW -1	03/29/16	3465.02	-	45.56	0.00	3,419.46
RW -1	04/05/16	3465.02	-	45.55	0.00	3,419.47
RW -1	04/13/16	3465.02	-	45.53	0.00	3,419.49
RW -1	04/18/16	3465.02	-	45.57	0.00	3,419.45
RW -1	04/25/16	3465.02	-	45.54	0.00	3,419.48
RW -1	05/03/16	3465.02	-	45.56	0.00	3,419.46
RW -1	05/12/16	3465.02	-	45.57	0.00	3,419.45
RW -1	05/27/16	3465.02	-	45.59	0.00	3,419.43
RW -1	06/02/16	3465.02	-	45.59	0.00	3,419.43
RW -1	06/06/16	3465.02	-	45.62	0.00	3,419.40
RW -1	06/30/16	3465.02	-	45.70	0.00	3,419.32
RW -1	07/05/16	3465.02	-	45.70	0.00	3,419.32
RW -1	07/14/16	3465.02	-	45.73	0.00	3,419.29
RW -1	07/19/16	3465.02	-	45.75	0.00	3,419.27
RW -1	07/26/16	3465.02	-	45.78	0.00	3,419.24
RW -1	08/03/16	3465.02	-	45.80	0.00	3,419.22
RW -1	08/10/16	3465.02	-	45.81	0.00	3,419.21
RW -1	08/15/16	3465.02	-	45.80	0.00	3,419.22
RW -1	08/23/16	3465.02	-	45.74	0.00	3,419.28
RW -1	09/12/16	3465.02	-	45.51	0.00	3,419.51
RW -1	10/07/16	3465.02	-	45.36	0.00	3,419.66
RW -1	10/12/16	3465.02	-	45.37	0.00	3,419.65
RW -1	10/19/16	3465.02	-	45.43	0.00	3,419.59
RW -1	10/28/16	3465.02	-	45.44	0.00	3,419.58
RW -1	11/03/16	3465.02	-	45.47	0.00	3,419.55
RW -1	11/11/16	3465.02	-	45.47	0.00	3,419.55
RW -1	11/15/16	3465.02	-	45.42	0.00	3,419.60
RW -1	12/02/16	3465.02	-	45.43	0.00	3,419.59
RW -1	12/06/16	3465.02	-	45.50	0.00	3,419.52
RW -1	12/13/16	3465.02	-	45.50	0.00	3,419.52
RW -1	12/21/16	3465.02	-	45.50	0.00	3,419.52
RW -1	12/28/16	3465.02	-	45.50	0.00	3,419.52
RW - 2	01/06/03	3465.21	-	46.25	0.00	3,418.96
RW - 2	01/07/03	3465.21	-	46.67	0.00	3,418.54
RW - 2	01/13/03	3465.21	-	46.21	0.00	3,419.00
RW - 2	01/21/03	3465.21	-	46.21	0.00	3,419.00
RW - 2	01/27/03	3465.21	-	46.20	0.00	3,419.01
RW - 2	04/03/03	3465.21	-	46.17	0.00	3,419.04
RW - 2	05/15/03	3465.21	-	46.24	0.00	3,418.97
RW - 2	08/26/03	3465.21	-	46.40	0.00	3,418.81
RW - 2	11/24/03	3465.21	-	46.57	0.00	3,418.64

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	02/18/04	3465.21	-	46.42	0.00	3418.79
RW - 2	04/15/04	3465.21	-	46.87	0.00	3418.34
RW - 2	04/19/04	3465.21	-	46.27	0.00	3418.94
RW - 2	05/12/04	3465.21	-	46.26	0.00	3418.95
RW - 2	06/22/04	3465.21	46.13	46.14	0.01	3419.08
RW - 2	07/07/04	3465.21	46.12	46.13	0.01	3419.09
RW - 2	07/13/04	3465.21	46.12	46.13	0.01	3419.09
RW - 2	07/21/04	3465.21	45.60	45.61	0.01	3419.61
RW - 2	08/11/04	3465.21	-	45.62	0.00	3419.59
RW - 2	08/17/04	3465.21	sheen	45.66	0.00	3419.55
RW - 2	08/23/04	3465.21	-	45.59	0.00	3419.62
RW - 2	09/13/04	3465.21	sheen	45.65	0.00	3419.56
RW - 2	09/20/04	3465.21	-	45.60	0.00	3419.61
RW - 2	09/29/04	3465.21	sheen	45.70	0.00	3419.51
RW - 2	10/04/04	3465.21	sheen	45.63	0.00	3419.58
RW - 2	10/12/04	3465.21	-	44.67	0.00	3420.54
RW - 2	10/19/04	3465.21	sheen	44.76	0.00	3420.45
RW - 2	10/25/04	3465.21	sheen	44.79	0.00	3420.42
RW - 2	11/01/04	3465.21	sheen	45.20	0.00	3420.01
RW - 2	11/09/04	3465.21	sheen	44.91	0.00	3420.3
RW - 2	11/17/04	3465.21	sheen	45.02	0.00	3420.19
RW - 2	11/29/04	3465.21	sheen	45.12	0.00	3420.09
RW - 2	12/07/04	3465.21	-	45.02	0.00	3420.19
RW - 2	12/13/04	3465.21	sheen	45.15	0.00	3420.06
RW - 2	12/20/04	3465.21	sheen	45.09	0.00	3420.12
RW - 2	12/30/04	3465.21	sheen	45.12	0.00	3420.09
RW - 2	01/03/05	3465.21	sheen	45.15	0.00	3420.06
RW - 2	01/10/05	3465.21	sheen	44.96	0.00	3420.25
RW - 2	01/17/05	3465.21	sheen	45.18	0.00	3420.03
RW - 2	01/24/05	3465.21	sheen	45.19	0.00	3420.02
RW - 2	01/31/05	3465.21	sheen	45.21	0.00	3420.00
RW - 2	02/07/05	3465.21	sheen	45.18	0.00	3420.03
RW - 2	02/14/05	3465.21	sheen	45.19	0.00	3420.02
RW - 2	02/21/05	3465.21	sheen	45.19	0.00	3420.02
RW - 2	02/28/05	3465.21	sheen	45.23	0.00	3419.98
RW - 2	03/07/05	3465.21	sheen	45.14	0.00	3420.07
RW - 2	03/09/05	3465.21	-	45.14	0.00	3420.07
RW - 2	03/16/05	3465.21	sheen	45.21	0.00	3420.00
RW - 2	03/21/05	3465.21	sheen	45.20	0.00	3420.01
RW - 2	03/28/05	3465.21	sheen	45.20	0.00	3420.01
RW - 2	04/04/05	3465.21	sheen	45.21	0.00	3420.00
RW - 2	04/13/05	3465.21	sheen	45.22	0.00	3419.99

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	04/18/05	3465.21	sheen	45.07	0.00	3420.14
RW - 2	05/23/05	3465.21	sheen	45.23	0.00	3419.98
RW - 2	06/09/05	3465.21	-	45.21	0.00	3420.00
RW - 2	06/21/05	3465.21	sheen	45.24	0.00	3419.97
RW - 2	07/14/05	3465.21	sheen	45.29	0.00	3419.92
RW - 2	07/26/05	3465.21	sheen	45.32	0.00	3419.89
RW - 2	08/09/05	3465.21	-	45.03	0.00	3420.18
RW - 2	08/25/05	3465.21	sheen	44.87	0.00	3420.34
RW - 2	09/01/05	3465.21	-	44.90	0.00	3420.31
RW - 2	09/08/05	3465.21	44.97	44.98	0.01	3420.24
RW - 2	09/13/05	3465.21	sheen	45.01	0.00	3420.20
RW - 2	09/26/05	3465.21	sheen	45.11	0.00	3420.10
RW - 2	10/11/05	3465.21	sheen	45.15	0.00	3420.06
RW - 2	10/25/05	3465.21	sheen	45.13	0.00	3420.08
RW - 2	11/14/05	3465.21	sheen	45.11	0.00	3420.10
RW - 2	12/01/05	3465.21	-	45.34	0.00	3419.87
RW - 2	12/28/05	3465.21	sheen	45.27	0.00	3419.94
RW - 2	01/11/06	3465.21	sheen	45.28	0.00	3419.93
RW - 2	01/25/06	3465.21	sheen	45.31	0.00	3419.90
RW - 2	02/08/06	3465.21	sheen	45.28	0.00	3419.93
RW - 2	02/23/06	3465.21	sheen	45.30	0.00	3419.91
RW - 2	03/07/06	3465.21	-	45.26	0.00	3419.95
RW - 2	03/08/06	3465.21	sheen	45.27	0.00	3419.94
RW - 2	03/20/06	3465.21	sheen	45.28	0.00	3419.93
RW - 2	03/30/06	3465.21	-	45.29	0.00	3419.92
RW - 2	05/03/06	3465.21	sheen	45.31	0.00	3419.90
RW - 2	06/01/06	3465.21	sheen	45.33	0.00	3419.88
RW - 2	06/06/06	3465.21	sheen	45.32	0.00	3419.89
RW - 2	06/14/06	3465.21	sheen	45.33	0.00	3419.88
RW - 2	07/13/06	3465.21	sheen	45.38	0.00	3419.83
RW - 2	07/27/06	3465.21	-	45.29	0.00	3419.92
RW - 2	08/10/06	3465.21	sheen	45.48	0.00	3419.73
RW - 2	09/15/06	3465.21	-	45.42	0.00	3419.79
RW - 2	10/03/06	3465.21	sheen	45.46	0.00	3419.75
RW - 2	11/20/06	3465.21	-	45.49	0.00	3419.72
RW - 2	01/11/07	3465.21	sheen	45.39	0.00	3419.82
RW - 2	02/15/07	3465.21	-	45.34	0.00	3419.87
RW - 2	02/23/07	3465.21	-	45.34	0.00	3419.87
RW - 2	03/08/07	3465.21	sheen	45.38	0.00	3419.83
RW - 2	03/28/07	3465.21	sheen	45.38	0.00	3419.83
RW - 2	04/25/07	3465.21	-	45.38	0.00	3419.83
RW - 2	05/18/07	3465.21	-	45.26	0.00	3419.95

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	07/12/07	3465.21	-	45.36	0.00	3419.85
RW - 2	08/21/07	3465.21	-	45.39	0.00	3419.82
RW - 2	11/05/07	3465.21	-	45.56	0.00	3419.65
RW - 2	02/08/08	3465.21	-	45.59	0.00	3419.62
RW - 2	05/08/08	3465.21	-	45.31	0.00	3419.90
RW - 2	08/13/08	3465.21	-	46.34	0.00	3418.87
RW - 2	09/30/08	3465.21	-	45.55	0.00	3419.66
RW - 2	10/08/08	3465.21	-	45.53	0.00	3419.68
RW - 2	10/24/08	3465.21	-	45.53	0.00	3419.68
RW - 2	11/06/08	3465.21	-	45.53	0.00	3419.68
RW - 2	12/17/08	3465.21	-	45.69	0.00	3419.52
RW - 2	12/30/08	3465.21	-	46.70	0.00	3418.51
RW - 2	01/07/09	3465.21	-	45.67	0.00	3419.54
RW - 2	01/22/09	3465.21	-	45.71	0.00	3419.50
RW - 2	01/26/09	3465.21	-	45.63	0.00	3419.58
RW - 2	02/05/09	3465.21	-	45.75	0.00	3419.46
RW - 2	02/13/09	3465.21	-	45.68	0.00	3419.53
RW - 2	02/27/09	3465.21	-	45.63	0.00	3419.58
RW - 2	03/03/09	3465.21	-	45.71	0.00	3419.50
RW - 2	03/10/09	3465.21	-	45.66	0.00	3419.55
RW - 2	03/18/09	3465.21	-	45.64	0.00	3419.57
RW - 2	03/27/09	3465.21	-	45.64	0.00	3419.57
RW - 2	04/02/09	3465.21	-	45.74	0.00	3419.47
RW - 2	04/07/09	3465.21	-	45.58	0.00	3419.63
RW - 2	04/14/09	3465.21	-	45.60	0.00	3419.61
RW - 2	04/28/09	3465.21	-	45.64	0.00	3419.57
RW - 2	05/07/09	3465.21	-	45.57	0.00	3419.64
RW - 2	05/08/09	3465.21	-	45.57	0.00	3419.64
RW - 2	06/16/09	3465.21	-	45.57	0.00	3419.64
RW - 2	06/26/09	3465.21	-	45.62	0.00	3419.59
RW - 2	06/30/09	3465.21	-	45.58	0.00	3419.63
RW - 2	07/07/09	3465.21	-	45.55	0.00	3419.66
RW - 2	07/28/09	3465.21	-	45.53	0.00	3419.68
RW - 2	07/31/09	3465.21	-	45.59	0.00	3419.62
RW - 2	08/05/09	3465.21	-	45.63	0.00	3419.58
RW - 2	08/06/09	3465.21	-	45.65	0.00	3419.56
RW - 2	08/13/09	3465.21	-	45.65	0.00	3419.56
RW - 2	08/25/09	3465.21	-	45.69	0.00	3419.52
RW - 2	09/01/09	3465.21	-	45.73	0.00	3419.48
RW - 2	09/08/09	3465.21	-	45.53	0.00	3419.68
RW - 2	09/15/09	3465.21	-	45.54	0.00	3419.67
RW - 2	09/25/09	3465.21	sheen	45.68	0.00	3419.53

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	09/28/09	3465.21	-	46.02	0.00	3419.19
RW - 2	10/02/09	3465.21	sheen	41.72	0.00	3423.49
RW - 2	10/05/09	3465.21	-	45.79	0.00	3419.42
RW - 2	10/09/09	3465.21	sheen	45.74	0.00	3419.47
RW - 2	10/12/09	3465.21	-	45.80	0.00	3419.41
RW - 2	10/22/09	3465.21	sheen	45.70	0.00	3419.51
RW - 2	10/29/09	3465.21	sheen	45.67	0.00	3419.54
RW - 2	11/06/09	3465.21	sheen	45.67	0.00	3419.54
RW - 2	11/16/09	3465.21	-	45.87	0.00	3419.34
RW - 2	11/25/09	3465.21	-	45.81	0.00	3419.40
RW - 2	12/11/09	3465.21	-	45.71	0.00	3419.50
RW - 2	12/22/09	3465.21	-	45.53	0.00	3419.68
RW - 2	01/06/10	3465.21	-	45.82	0.00	3419.39
RW - 2	01/20/10	3465.21	-	45.65	0.00	3419.56
RW - 2	02/08/10	3465.21	-	45.74	0.00	3419.47
RW - 2	03/03/10	3465.21	-	45.84	0.00	3419.37
RW - 2	03/16/10	3465.21	-	45.73	0.00	3419.48
RW - 2	03/23/10	3465.21	-	45.76	0.00	3419.45
RW - 2	04/05/10	3465.21	-	45.67	0.00	3419.54
RW - 2	04/15/10	3465.21	-	45.76	0.00	3419.45
RW - 2	05/11/10	3465.21	-	45.78	0.00	3419.43
RW - 2	05/26/10	3465.21	-	45.75	0.00	3419.46
RW - 2	06/08/10	3465.21	-	45.69	0.00	3419.52
RW - 2	06/16/10	3465.21	-	45.67	0.00	3419.54
RW - 2	06/25/10	3465.21	-	45.72	0.00	3419.49
RW - 2	07/08/10	3465.21	-	45.74	0.00	3419.47
RW - 2	07/13/10	3465.21	-	45.37	0.00	3419.84
RW - 2	07/28/10	3465.21	-	45.61	0.00	3419.60
RW - 2	08/04/10	3465.21	-	45.61	0.00	3419.60
RW - 2	08/10/10	3465.21	-	45.72	0.00	3419.49
RW - 2	08/19/10	3465.21	-	45.68	0.00	3419.53
RW - 2	08/27/10	3465.21	-	45.69	0.00	3419.52
RW - 2	09/03/10	3465.21	sheen	45.56	0.00	3419.65
RW - 2	09/09/10	3465.21	-	45.71	0.00	3419.50
RW - 2	09/17/10	3465.21	-	45.63	0.00	3419.58
RW - 2	10/01/10	3465.21	-	45.73	0.00	3419.48
RW - 2	10/06/10	3465.21	-	45.72	0.00	3419.49
RW - 2	10/13/10	3465.21	-	45.75	0.00	3419.46
RW - 2	10/26/10	3465.21	-	45.71	0.00	3419.50
RW - 2	11/05/10	3465.21	-	45.71	0.00	3419.50
RW - 2	11/09/10	3465.21	-	45.71	0.00	3419.50
RW - 2	11/12/10	3465.21	-	45.76	0.00	3419.45

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	12/10/10	3465.21	-	45.67	0.00	3419.54
RW - 2	12/13/10	3465.21	-	45.71	0.00	3419.50
RW - 2	01/27/11	3465.21	-	45.72	0.00	3419.49
RW - 2	02/15/11	3465.21	-	45.71	0.00	3419.50
RW - 2	05/05/11	3465.21	-	45.71	0.00	3419.50
RW - 2	05/12/11	3465.21	-	45.84	0.00	3419.37
RW - 2	05/16/11	3465.21	-	45.67	0.00	3419.54
RW - 2	05/26/11	3465.21	-	45.89	0.00	3419.32
RW - 2	06/09/11	3465.21	-	45.80	0.00	3419.41
RW - 2	06/29/11	3465.21	-	45.86	0.00	3419.35
RW - 2	07/05/11	3465.21	-	45.84	0.00	3419.37
RW - 2	07/15/11	3465.21	-	45.83	0.00	3419.38
RW - 2	07/22/11	3465.21	-	45.83	0.00	3419.38
RW - 2	07/28/11	3465.21	-	45.80	0.00	3419.41
RW - 2	08/04/11	3465.21	-	45.92	0.00	3419.29
RW - 2	08/11/11	3465.21	-	45.89	0.00	3419.32
RW - 2	08/24/11	3465.21	-	45.91	0.00	3419.30
RW - 2	09/02/11	3465.21	-	45.96	0.00	3419.25
RW - 2	09/09/11	3465.21	-	46.03	0.00	3419.18
RW - 2	09/23/11	3465.21	-	46.03	0.00	3419.18
RW - 2	11/21/11	3465.21	-	46.03	0.00	3419.18
RW - 2	11/28/11	3465.21	-	46.05	0.00	3419.16
RW - 2	12/09/11	3465.21	-	46.09	0.00	3419.12
RW - 2	12/21/11	3465.21	-	46.01	0.00	3419.20
RW - 2	01/26/12	3465.21	-	45.96	0.00	3419.25
RW - 2	02/02/12	3465.21	-	45.94	0.00	3419.27
RW - 2	02/07/12	3465.21	-	45.95	0.00	3419.26
RW - 2	02/13/12	3465.21	-	45.92	0.00	3419.29
RW - 2	03/07/12	3465.21	-	45.92	0.00	3419.29
RW - 2	03/23/12	3465.21	-	45.82	0.00	3419.39
RW - 2	03/30/12	3465.21	-	45.98	0.00	3419.23
RW - 2	04/05/12	3465.21	-	45.92	0.00	3419.29
RW - 2	04/13/12	3465.21	-	45.89	0.00	3419.32
RW - 2	04/26/12	3465.21	-	46.10	0.00	3419.11
RW - 2	05/03/12	3465.21	-	45.80	0.00	3419.41
RW - 2	05/07/12	3465.21	-	45.86	0.00	3419.35
RW - 2	05/29/12	3465.21	-	46.07	0.00	3419.14
RW - 2	06/08/12	3465.21	-	45.87	0.00	3419.34
RW - 2	06/15/12	3465.21	-	45.89	0.00	3419.32
RW - 2	06/22/12	3465.21	-	45.91	0.00	3419.30
RW - 2	06/29/12	3465.21	-	45.91	0.00	3419.30
RW - 2	07/03/12	3465.21	-	45.96	0.00	3419.25

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	08/10/12	3465.21	-	46.04	0.00	3419.17
RW - 2	08/16/12	3465.21	-	46.03	0.00	3419.18
RW - 2	09/12/12	3465.21	-	46.08	0.00	3419.13
RW - 2	10/17/12	3465.21	-	45.89	0.00	3419.32
RW - 2	10/12/12	3465.21	-	46.15	0.00	3419.06
RW - 2	10/24/12	3465.21	-	45.90	0.00	3419.31
RW - 2	11/06/12	3465.21	-	45.83	0.00	3419.38
RW - 2	12/14/12	3465.21	-	45.85	0.00	3419.36
RW - 2	12/21/12	3465.21	-	45.89	0.00	3419.32
RW - 2	02/06/13	3465.21	-	45.81	0.00	3419.40
RW - 2	02/20/13	3465.21	-	45.82	0.00	3419.39
RW - 2	03/29/13	3465.21	-	45.82	0.00	3419.39
RW - 2	04/03/13	3465.21	-	45.82	0.00	3419.39
RW - 2	04/09/13	3465.21	-	45.80	0.00	3419.41
RW - 2	04/19/13	3465.21	-	45.83	0.00	3419.38
RW - 2	04/24/13	3465.21	-	45.83	0.00	3419.38
RW - 2	05/02/13	3465.21	-	45.83	0.00	3419.38
RW - 2	05/08/13	3465.21	-	45.80	0.00	3419.41
RW - 2	05/10/13	3465.21	-	45.83	0.00	3419.38
RW - 2	05/17/13	3465.21	-	45.81	0.00	3419.40
RW - 2	05/22/13	3465.21	-	45.81	0.00	3419.40
RW - 2	05/30/13	3465.21	-	45.79	0.00	3419.42
RW - 2	06/05/13	3465.21	-	45.82	0.00	3419.39
RW - 2	06/12/13	3465.21	-	45.81	0.00	3419.40
RW - 2	06/18/13	3465.21	-	45.77	0.00	3419.44
RW - 2	06/25/13	3465.21	-	45.81	0.00	3419.40
RW - 2	07/02/13	3465.21	-	45.85	0.00	3419.36
RW - 2	07/09/13	3465.21	-	45.87	0.00	3419.34
RW - 2	07/26/13	3465.21	-	45.89	0.00	3419.32
RW - 2	07/29/13	3465.21	-	45.90	0.00	3419.31
RW - 2	08/01/13	3465.21	-	45.87	0.00	3419.34
RW - 2	08/06/13	3465.21	-	45.84	0.00	3419.37
RW - 2	08/15/13	3465.21	-	45.86	0.00	3419.35
RW - 2	08/20/13	3465.21	-	45.92	0.00	3419.29
RW - 2	09/12/13	3465.21	-	45.96	0.00	3419.25
RW - 2	09/19/13	3465.21	-	45.98	0.00	3419.23
RW - 2	09/25/13	3465.21	-	45.93	0.00	3419.28
RW - 2	10/01/13	3465.21	-	45.98	0.00	3419.23
RW - 2	10/09/13	3465.21	-	45.96	0.00	3419.25
RW - 2	10/24/13	3465.21	-	45.88	0.00	3419.33
RW - 2	10/29/13	3465.21	-	45.88	0.00	3419.33
RW - 2	11/04/13	3465.21	-	45.87	0.00	3419.34

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	11/05/13	3465.21	-	45.86	0.00	3419.35
RW - 2	12/02/13	3465.21	-	45.90	0.00	3419.31
RW - 2	12/10/13	3465.21	-	45.90	0.00	3419.31
RW - 2	12/17/13	3465.21	-	45.92	0.00	3419.29
RW - 2	12/23/13	3465.21	-	45.95	0.00	3419.26
RW - 2	01/01/14	3465.21	-	45.86	0.00	3419.35
RW - 2	01/07/14	3465.21	-	45.85	0.00	3419.36
RW - 2	01/16/14	3465.21	-	45.90	0.00	3419.31
RW - 2	01/23/14	3465.21	-	45.90	0.00	3419.31
RW - 2	01/28/14	3465.21	-	45.92	0.00	3419.29
RW - 2	02/11/14	3465.21	-	45.90	0.00	3419.31
RW - 2	02/26/14	3465.21	-	45.83	0.00	3419.38
RW - 2	03/21/14	3465.21	-	45.80	0.00	3419.41
RW - 2	03/29/14	3465.21	-	45.82	0.00	3419.39
RW - 2	04/10/14	3465.21	-	45.83	0.00	3419.38
RW - 2	04/17/14	3465.21	-	45.87	0.00	3419.34
RW - 2	04/17/14	3465.21	-	48.99	0.00	3416.22
RW - 2	04/24/14	3465.21	-	45.85	0.00	3419.36
RW - 2	05/01/14	3465.21	-	45.83	0.00	3419.38
RW - 2	05/06/14	3465.21	-	45.84	0.00	3419.37
RW - 2	05/12/14	3465.21	-	45.87	0.00	3419.34
RW - 2	05/23/14	3465.21	-	45.88	0.00	3419.33
RW - 2	05/27/14	3465.21	-	45.88	0.00	3419.33
RW - 2	06/05/14	3465.21	-	45.89	0.00	3419.32
RW - 2	06/18/14	3465.21	-	45.93	0.00	3419.28
RW - 2	07/01/14	3465.21	-	45.95	0.00	3419.26
RW - 2	07/23/14	3465.21	-	46.00	0.00	3419.21
RW - 2	08/06/14	3465.21	-	46.31	0.00	3418.90
RW - 2	08/11/14	3465.21	-	46.03	0.00	3419.18
RW - 2	08/21/14	3465.21	-	46.02	0.00	3419.19
RW - 2	09/04/14	3465.21	-	46.06	0.00	3419.15
RW - 2	10/28/14	3465.21	-	45.55	0.00	3419.66
RW - 2	11/15/14	3465.21	-	45.53	0.00	3419.68
RW - 2	02/17/15	3465.21	-	45.52	0.00	3419.69
RW - 2	02/18/15	3465.21	-	45.52	0.00	3419.69
RW - 2	03/19/15	3465.21	-	45.53	0.00	3419.68
RW - 2	04/16/15	3465.21	-	45.53	0.00	3419.68
RW - 2	05/28/15	3465.21	-	45.52	0.00	3419.69
RW - 2	07/21/15	3465.21	-	45.68	0.00	3419.53
RW - 2	08/20/15	3465.21	-	45.79	0.00	3419.42
RW - 2	09/11/15	3465.21	-	45.80	0.00	3419.41
RW - 2	10/15/15	3465.21	-	45.76	0.00	3419.45

TABLE 1

HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	11/30/15	3465.21	-	45.70	0.00	3419.51
RW - 2	12/11/15	3465.21	-	45.66	0.00	3419.55
RW - 2	01/19/16	3465.21	-	45.66	0.00	3419.55
RW - 2	02/25/16	3465.21	-	45.69	0.00	3419.52
RW - 2	03/17/16	3465.21	-	45.67	0.00	3419.54
RW - 2	04/13/16	3465.21	-	45.59	0.00	3419.62
RW - 2	06/02/16	3465.21	-	45.70	0.00	3419.51
RW - 2	06/30/16	3465.21	-	45.74	0.00	3419.47
RW - 2	07/26/16	3465.21	-	45.88	0.00	3419.33
RW - 2	08/23/16	3465.21	-	45.85	0.00	3419.36
RW - 2	09/12/16	3465.21	-	45.64	0.00	3419.57
RW - 2	10/12/16	3465.21	-	45.49	0.00	3419.72
RW - 2	12/01/16	3465.21	-	45.54	0.00	3419.67
RW - 2	12/28/16	3465.21	-	45.61	0.00	3419.60

Note: Elevations based on North American Vertical Datum of 1929.

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 1	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	03/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/12/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	12/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	03/19/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/30/01	0.0520	<0.001	<0.001	<0.001	
MW - 1	09/25/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/20/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	06/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	12/07/04	<0.005	<0.005	<0.005	<0.005	
MW - 1	03/09/05	Not Sampled on Current Sample Schedule				
MW - 1	06/09/05	Not Sampled on Current Sample Schedule				
MW - 1	09/08/05	Not Sampled on Current Sample Schedule				
MW - 1	09/13/05	Plugged and Abandoned				
MW - 2	11/24/03	7.530	<0.010	2.660	1.02	0.034
MW - 2	05/12/04	8.930	0.0185	2.040	0.916	0.0518
MW - 2	12/08/04	9.850	0.202	2.610	1.78	
MW - 2	03/09/05	5.320	<0.05	1.870	1.18	
MW - 2	06/09/05	Not Sampled due to PSH in Well				
MW - 2	09/08/05	Not Sampled due to PSH in Well				
MW - 2	12/01/05	Not Sampled due to PSH in Well				
MW - 2	03/07/06	4.940	<0.1	2.990	1.01	
MW - 2	06/06/06	Not Sampled due to PSH in Well				
MW - 2	09/15/06	Not Sampled due to PSH in Well				
MW - 2	11/21/06	Not Sampled due to PSH in Well				
MW - 2	02/23/07	Not Sampled due to PSH in Well				
MW - 2	05/18/07	Not Sampled due to PSH in Well				
MW - 2	08/21/07	Not Sampled due to PSH in Well				
MW - 2	11/05/07	2.320	<0.2	2.310	0.892	
MW - 2	02/09/08	2.820	0.0613	3.280	1.08	
MW - 2	05/09/08	2.850	0.0244	2.500	0.658	

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PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 2	08/13/08	2.370	0.0138	1.560	0.3710	
MW - 2	11/06/08	1.930	0.0118	0.748	0.0964	
MW - 2	02/05/09	1.960	<0.001	0.745	0.1110	
MW - 2	05/08/09	1.980	<0.001	0.689	0.2010	
MW - 2	08/05/09	1.660	<0.001	0.446	0.1390	
MW - 2	11/16/09	1.980	<0.1	0.600	<0.1	
MW - 2	02/08/10	Not Sampled due to PSH in Well				
MW - 2	05/11/10	Not Sampled due to PSH in Well				
MW - 2	08/10/10	Not Sampled due to PSH in Well				
MW - 2	11/09/10	Not Sampled due to PSH in Well				
MW - 2	02/15/11	Not Sampled due to PSH in Well				
MW - 2	05/05/11	Not Sampled due to PSH in Well				
MW - 2	08/04/11	Not Sampled due to PSH in Well				
MW - 2	11/21/11	Not Sampled due to PSH in Well				
MW - 2	02/13/12	Not Sampled due to PSH in Well				
MW - 2	05/29/12	Not Sampled due to PSH in Well				
MW - 2	08/10/12	Not Sampled due to PSH in Well				
MW - 2	11/06/12	Not Sampled due to PSH in Well				
MW - 2	02/06/13	Not Sampled due to PSH in Well				
MW - 2	05/08/13	Not Sampled due to PSH in Well				
MW - 2	08/01/13	Not Sampled due to PSH in Well				
MW - 2	11/05/13	0.009	<0.00100	<0.00100	<0.00100	
MW - 2	02/26/14	Not Sampled due to PSH in Well				
MW - 2	05/12/14	Not Sampled due to PSH in Well				
MW - 2	08/11/14	Not Sampled due to PSH in Well				
MW - 2	11/15/14	Not Sampled due to PSH in Well				
MW - 2	02/18/15	Not Sampled due to PSH in Well				
MW - 2	05/28/15	Not Sampled due to PSH in Well				
MW - 2	08/20/15	Not Sampled due to PSH in Well				
MW - 2	11/30/15	0.373	<0.0500	0.217	<0.0500	
MW - 2	02/25/16	0.384	<0.0500	0.473	<0.0500	
MW - 2	06/02/16	Not Sampled due to PSH in Well				
MW - 2	09/12/16	Not Sampled due to PSH in Well				
MW - 2	12/02/16	2.97	<0.0400	0.177	0.142	<0.0400
MW - 3	09/14/99	1.8500	0.079	1.8200	0.116	<0.050
MW - 3	11/03/99	1.9000	<0.001	2.0600	0.16	<0.100
MW - 3	03/08/00	1.0400	<0.010	1.4300	<0.010	<0.010
MW - 3	05/12/00	0.5450	0.004	0.2590	<0.001	<0.001
MW - 3	09/11/00	0.5720	0.013	1.4900	<0.010	<0.010
MW - 3	12/11/00	0.3720	<0.010	1.5700	0.038	0.038
MW - 3	03/19/01	0.7810	<0.005	1.3400	0.01	<0.005

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 3	05/30/01	0.9020	<0.005	1.0500	0.203	
MW - 3	09/25/01	1.3400	<0.001	1.0400	0.014	<0.001
MW - 3	11/20/01	1.4400	<0.001	0.9710	0.021	<0.001
MW - 3	02/20/02	1.8700	<0.001	1.1400	0.043	<0.001
MW - 3	06/25/02	1.8000	<0.001	1.1000	0.471	<0.001
MW - 3	09/17/02	1.9600	<0.001	1.3100	0.018	<0.001
MW - 3	11/20/02	1.2300	<0.001	1.3300	0.027	0.001
MW - 3	02/11/03	13.6000	<0.001	13.0000	0.595	0.003
MW - 3	05/14/03	2.1800	<0.001	1.0600	0.041	<0.001
MW - 3	08/26/03	3.0000	<0.001	0.6170	0.016	<0.001
MW - 3	11/24/03	3.0000	<0.001	0.4070	0.015	<0.001
MW - 3	02/18/04	2.9000	<0.001	0.2180	0.015	<0.001
MW - 3	05/12/04	0.9360	<0.001	1.4400	0.16	0.022
MW - 3	08/25/04	0.0188	<.001	0.7940	0.023	0.00189
MW - 3	12/07/04	0.5870	<0.0100	<0.0100	<0.0100	
MW - 3	03/09/05	0.4540	<0.005	0.0076	<0.005	
MW - 3	06/09/05	0.3710	<0.01	0.1050	<0.01	
MW - 3	09/08/05	0.0829	<0.01	0.2580	0.0388	
MW - 3	12/01/05	0.1020	<0.02	<0.02	<0.02	
MW - 3	03/07/06	0.1300	<0.001	0.0479	0.019	
MW - 3	06/06/06	<0.005	<0.005	<0.005	<0.005	
MW - 3	09/15/06	0.0143	<0.001	0.1070	<0.001	
MW - 3	11/21/06	0.0177	<0.001	0.0089	<0.001	
MW - 3	02/23/07	0.0085	<0.001	0.0366	<0.001	
MW - 3	05/18/07	0.0056	<0.001	0.1570	0.0244	
MW - 3	08/21/07	0.0100	<0.001	0.0296	<0.001	
MW - 3	11/05/07	0.0133	<0.001	0.0460	0.0179	
MW - 3	02/09/08	0.0158	<0.001	0.0463	0.0022	
MW - 3	05/09/08	0.0446	<0.001	0.0181	0.0022	
MW - 3	08/13/08	<0.001	<0.001	<0.001	0.0034	
MW - 3	11/06/08	0.0032	<0.001	0.0200	0.0020	
MW - 3	02/05/09	0.0028	<0.001	<0.001	<0.001	
MW - 3	05/08/09	0.0084	<0.001	0.0676	<0.001	
MW - 3	08/05/09	Not Sampled				
MW - 3	11/16/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/08/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/09/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/15/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/05/11	0.0110	<0.001	<0.001	<0.001	
MW - 3	08/04/11	0.0566	<0.001	0.0081	<0.001	

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HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 3	11/21/11	0.0205	<0.001	0.0017	<0.001	
MW - 3	02/13/12	0.0171	<0.001	0.0042	<0.001	
MW - 3	05/29/12	0.0806	<0.001	<0.001	<0.001	
MW - 3	08/10/12	0.0605	<0.001	0.0108	0.0148	
MW - 3	11/06/12	0.0025	<0.001	0.0133	<0.001	
MW - 3	02/06/13	<0.001	<0.001	0.00640	<0.001	
MW - 3	05/08/13	<0.001	<0.001	<.00100	<0.001	
MW - 3	08/01/13	<0.001	<0.001	<.00100	<0.001	
MW - 3	11/05/13	<0.001	<0.001	<.00100	<0.001	
MW - 3	02/26/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 3	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 3	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	11/15/14	0.00530	<0.00100	<0.00100	<0.00100	
MW - 3	02/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	08/20/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 4	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	03/08/00	<0.001	<0.001	0.0020	<0.001	<0.001
MW - 4	05/12/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	09/11/00	<0.001	0.002	<0.001	<0.001	<0.001
MW - 4	12/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	03/19/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	05/30/01	<0.005	<0.005	<0.005	<0.005	
MW - 4	09/25/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	11/20/01	0.0010	<0.001	<0.001	<0.001	<0.001
MW - 4	02/20/02	0.0010	<0.001	<0.001	<0.001	<0.001
MW - 4	06/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	11/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	12/07/04	<0.001	<0.001	<0.001	<0.001	

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HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 4	03/09/05	Not Sampled on Current Sample Schedule				
MW - 4	06/09/05	Not Sampled				
MW - 4	09/08/05	Not Sampled on Current Sample Schedule				
MW - 4	12/01/05	<0.001	<0.001	<0.001	<0.001	
MW - 4	03/07/06	Not Sampled on Current Sample Schedule				
MW - 4	06/06/06	<0.005	<0.005	<0.005	<0.005	
MW - 4	09/15/06	Not Sampled on Current Sample Schedule				
MW - 4	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/23/07	Not Sampled on Current Sample Schedule				
MW - 4	05/18/07	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/21/07	Not Sampled on Current Sample Schedule				
MW - 4	11/05/07	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/09/08	Not Sampled on Current Sample Schedule				
MW - 4	05/09/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/13/08	Not Sampled on Current Sample Schedule				
MW - 4	11/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/05/09	Not Sampled on Current Sample Schedule				
MW - 4	05/08/09	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/05/09	Not Sampled on Current Sample Schedule				
MW - 4	11/16/09	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/08/10	Not Sampled on Current Sample Schedule				
MW - 4	05/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/10/10	Not Sampled on Current Sample Schedule				
MW - 4	11/09/10	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/15/11	<0.001	<0.001	<0.001	<0.001	
MW - 4	05/05/11	Not Sampled on Current Sample Schedule				
MW - 4	08/04/11	Not Sampled on Current Sample Schedule				
MW - 4	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/13/12	Not Sampled on Current Sample Schedule				
MW - 4	05/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/10/12	Not Sampled on Current Sample Schedule				
MW - 4	11/07/12	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/06/13	Not Sampled on Current Sample Schedule				
MW - 4	05/09/13	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/01/13	Not Sampled on Current Sample Schedule				
MW - 4	11/05/13	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/26/14	Not Sampled on Current Sample Schedule				
MW - 4	05/29/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 4	08/11/14	Not Sampled on Current Sample Schedule				
MW - 4	12/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	02/18/15	Not Sampled on Current Sample Schedule				
MW - 4	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	

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HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 4	08/20/15	Not Sampled on Current Sample Schedule				
MW - 4	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	02/25/16	Not Sampled on Current Sample Schedule				
MW - 4	06/02/16	<0.00100	0.0110	<0.00100	0.00150	
MW - 4	09/12/16	Not Sampled on Current Sample Schedule				
MW - 4	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 4	12/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 5	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	03/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	05/12/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	09/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	12/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	03/19/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	05/30/01	<0.005	<0.005	<0.005	<0.005	
MW - 5	09/25/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	11/20/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	02/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	06/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	11/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 5	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 5	12/07/04	0.0175	<0.001	<0.001	<0.001	
MW - 5	03/09/05	Not Sampled on Current Sample Schedule				
MW - 5	06/09/05	<0.001	<0.001	<0.001	<0.001	
MW - 5	09/08/05	Not Sampled on Current Sample Schedule				
MW - 5	12/01/05	Not Sampled due to Well Obstruction				
MW - 5	03/07/06	Not Sampled on Current Sample Schedule				
MW - 5	06/06/06	<0.005	<0.005	<0.005	<0.005	
MW - 5	09/15/06	Not Sampled on Current Sample Schedule				
MW - 5	12/05/06	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/23/07	Not Sampled on Current Sample Schedule				
MW - 5	05/18/07	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/21/07	Not Sampled on Current Sample Schedule				
MW - 5	11/05/07	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/09/08	Not Sampled on Current Sample Schedule				
MW - 5	05/09/08	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/13/08	Not Sampled on Current Sample Schedule				

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 5	11/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/05/09	Not Sampled on Current Sample Schedule				
MW - 5	05/08/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/05/09	Not Sampled on Current Sample Schedule				
MW - 5	11/16/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/08/10	Not Sampled on Current Sample Schedule				
MW - 5	05/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/10/10	Not Sampled on Current Sample Schedule				
MW - 5	11/09/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/15/11	Not Sampled on Current Sample Schedule				
MW - 5	05/05/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/04/11	Not Sampled on Current Sample Schedule				
MW - 5	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/13/12	Not Sampled on Current Sample Schedule				
MW - 5	05/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/10/12	Not Sampled on Current Sample Schedule				
MW - 5	11/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/06/13	Not Sampled on Current Sample Schedule				
MW - 5	05/09/13	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/01/13	Not Sampled on Current Sample Schedule				
MW - 5	11/05/13	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/26/14	Not Sampled on Current Sample Schedule				
MW - 5	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 5	08/11/14	Not Sampled on Current Sample Schedule				
MW - 5	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/18/15	Not Sampled on Current Sample Schedule				
MW - 5	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	08/20/15	Not Sampled on Current Sample Schedule				
MW - 5	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/25/16	Not Sampled on Current Sample Schedule				
MW - 5	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	09/12/16	Not Sampled on Current Sample Schedule				
MW - 5	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 6	09/14/99	0.0720	0.063	0.0200	0.022	0.01
MW - 6	03/09/05	Not Sampled due to PSH in Well				
MW - 6	06/09/05	Not Sampled due to PSH in Well				
MW - 6	09/08/05	Not Sampled due to PSH in Well				
MW - 6	12/01/05	Not Sampled due to PSH in Well				
MW - 6	03/07/06	Not Sampled due to PSH in Well				
MW - 6	06/06/06	Not Sampled due to PSH in Well				
MW - 6	09/15/06	Not Sampled due to PSH in Well				

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 6	12/05/06	Not Sampled due to PSH in Well				
MW - 6	02/23/07	Not Sampled due to PSH in Well				
MW - 6	05/18/07	Not Sampled due to PSH in Well				
MW - 6	08/21/07	Not Sampled due to PSH in Well				
MW - 6	11/05/07	Not Sampled due to PSH in Well				
MW - 6	02/09/08	Not Sampled due to PSH in Well				
MW - 6	05/09/08	Not Sampled due to PSH in Well				
MW - 6	08/13/08	Not Sampled due to PSH in Well				
MW - 6	11/06/08	1.070	0.776	1.370	2.8	
MW - 6	02/05/09	Not Sampled due to PSH in Well				
MW - 6	05/08/09	Not Sampled due to PSH in Well				
MW - 6	08/05/09	Not Sampled due to PSH in Well				
MW - 6	11/16/09	1.560	0.497	0.891	1.35	
MW - 6	02/08/10	Not Sampled due to PSH in Well				
MW - 6	05/11/10	Not Sampled due to PSH in Well				
MW - 6	08/10/10	Not Sampled due to PSH in Well				
MW - 6	11/09/10	Not Sampled due to PSH in Well				
MW - 6	02/15/11	Not Sampled due to PSH in Well				
MW - 6	05/05/11	Not Sampled due to PSH in Well				
MW - 6	08/04/11	Not Sampled due to PSH in Well				
MW - 6	11/21/11	Not Sampled due to PSH in Well				
MW - 6	02/13/12	Not Sampled due to PSH in Well				
MW - 6	05/29/12	Not Sampled due to PSH in Well				
MW - 6	08/10/12	Not Sampled due to PSH in Well				
MW - 6	11/06/12	Not Sampled due to PSH in Well				
MW - 6	02/06/13	Not Sampled due to PSH in Well				
MW - 6	05/08/13	Not Sampled due to PSH in Well				
MW - 6	08/01/13	Not Sampled due to PSH in Well				
MW - 6	11/05/13	Not Sampled due to PSH in Well				
MW - 6	02/26/14	Not Sampled due to PSH in Well				
MW - 6	05/12/14	Not Sampled due to PSH in Well				
MW - 6	08/11/14	Not Sampled due to PSH in Well				
MW - 6	11/15/14	Not Sampled due to PSH in Well				
MW - 6	02/18/15	Not Sampled due to PSH in Well				
MW - 6	05/28/15	Not Sampled due to PSH in Well				
MW - 6	08/20/15	Not Sampled due to PSH in Well				
MW - 6	02/25/16	Not Sampled due to PSH in Well				
MW - 6	06/02/16	Not Sampled due to PSH in Well				
MW - 6	09/12/16	Not Sampled due to PSH in Well				
MW - 6	12/01/16	Not Sampled due to PSH in Well				
MW - 7	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 7	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	03/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	05/12/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/11/00	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 7	12/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	03/19/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	05/30/01	<0.005	<0.005	<0.005	<0.005	
MW - 7	09/25/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	11/20/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	02/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	06/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	11/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	12/07/04	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/09/05	Not Sampled on Current Sample Schedule				
MW - 7	06/09/05	Not Sampled on Current Sample Schedule				
MW - 7	09/08/05	Not Sampled on Current Sample Schedule				
MW - 7	09/13/05	Plugged and Abandoned				
MW - 8	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	03/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	05/12/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	09/11/00	<0.001	<0.001	0.0020	<0.001	<0.001
MW - 8	12/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	03/19/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	05/30/01	<0.005	<0.005	<0.005	<0.005	
MW - 8	09/25/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	11/20/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	02/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	06/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	11/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 8	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 8	03/09/05	Not Sampled on Current Sample Schedule				
MW - 8	06/09/05	Not Sampled on Current Sample Schedule				
MW - 8	09/08/05	Not Sampled on Current Sample Schedule				
MW - 8	12/01/05	<0.001	<0.001	<0.001	<0.001	
MW - 8	03/07/06	Not Sampled on Current Sample Schedule				
MW - 8	06/06/06	Not Sampled on Current Sample Schedule				
MW - 8	09/15/06	Not Sampled on Current Sample Schedule				
MW - 8	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/23/07	Not Sampled on Current Sample Schedule				
MW - 8	05/18/07	Not Sampled on Current Sample Schedule				
MW - 8	08/21/07	Not Sampled on Current Sample Schedule				
MW - 8	11/05/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/09/08	Not Sampled on Current Sample Schedule				
MW - 8	05/09/08	Not Sampled on Current Sample Schedule				
MW - 8	08/13/08	Not Sampled on Current Sample Schedule				
MW - 8	11/06/08	0.0028	0.001	<0.001	0.0012	
MW - 8	02/05/09	Not Sampled on Current Sample Schedule				
MW - 8	05/08/09	Not Sampled on Current Sample Schedule				
MW - 8	08/05/09	Not Sampled on Current Sample Schedule				
MW - 8	11/16/09	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/08/10	Not Sampled on Current Sample Schedule				
MW - 8	05/11/10	Not Sampled on Current Sample Schedule				
MW - 8	08/10/10	Not Sampled on Current Sample Schedule				
MW - 8	11/09/10	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/15/11	Not Sampled on Current Sample Schedule				
MW - 8	05/05/11	Not Sampled on Current Sample Schedule				
MW - 8	08/04/11	Not Sampled on Current Sample Schedule				
MW - 8	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/13/12	Not Sampled on Current Sample Schedule				
MW - 8	05/29/12	Not Sampled on Current Sample Schedule				
MW - 8	08/10/12	Not Sampled on Current Sample Schedule				
MW - 8	11/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/06/13	Not Sampled on Current Sample Schedule				
MW - 8	05/08/13	Not Sampled on Current Sample Schedule				
MW - 8	08/01/13	Not Sampled on Current Sample Schedule				
MW - 8	11/05/13	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/26/14	Not Sampled on Current Sample Schedule				
MW - 8	08/12/14	Not Sampled on Current Sample Schedule				
MW - 8	08/11/14	Not Sampled on Current Sample Schedule				
MW - 8	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	02/18/15	Not Sampled on Current Sample Schedule				

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 8	05/28/15	Not Sampled on Current Sample Schedule				
MW - 8	08/20/15	Not Sampled on Current Sample Schedule				
MW - 8	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	02/25/16	Not Sampled on Current Sample Schedule				
MW - 8	06/02/16	Not Sampled on Current Sample Schedule				
MW - 8	09/12/16	Not Sampled on Current Sample Schedule				
MW - 8	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 9	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 9	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 9	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 9	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 9	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 9	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 9	05/12/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 9	08/23/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 9	12/07/04	<0.001	<0.001	<0.001	<0.001	
MW - 9	03/09/05	<0.001	<0.001	<0.001	<0.001	
MW - 9	06/09/05	<0.001	<0.001	<0.001	<0.001	
MW - 9	09/08/05	<0.001	<0.001	<0.001	<0.001	
MW - 9	12/01/05	<0.001	<0.001	<0.001	<0.001	
MW - 9	03/07/06	<0.001	<0.001	<0.001	<0.001	
MW - 9	06/06/06	<0.005	<0.005	<0.005	<0.005	
MW - 9	09/15/06	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/23/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/18/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/21/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/05/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/09/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/13/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/04/09	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/08/09	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/05/09	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/16/09	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/08/10	Not Sampled on Current Sample Schedule				
MW - 9	05/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/10/10	Not Sampled on Current Sample Schedule				
MW - 9	11/09/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/15/11	Not Sampled on Current Sample Schedule				

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 9	05/05/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/04/11	Not Sampled on Current Sample Schedule				
MW - 9	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/13/12	Not Sampled on Current Sample Schedule				
MW - 9	05/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/10/12	Not Sampled on Current Sample Schedule				
MW - 9	11/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/06/13	Not Sampled on Current Sample Schedule				
MW - 9	05/08/13	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/01/13	Not Sampled on Current Sample Schedule				
MW - 9	11/05/13	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/26/14	Not Sampled on Current Sample Schedule				
MW - 9	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 9	08/11/14	Not Sampled on Current Sample Schedule				
MW - 9	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	02/18/15	Not Sampled on Current Sample Schedule				
MW - 9	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	08/20/15	Not Sampled on Current Sample Schedule				
MW - 9	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	02/25/16	Not Sampled on Current Sample Schedule				
MW - 9	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	09/12/16	Not Sampled on Current Sample Schedule				
MW - 9	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 10	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 10	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 10	05/12/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 10	08/23/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 10	12/07/04	<0.001	<0.001	<0.001	<0.001	
MW - 10	03/09/05	<0.001	<0.001	<0.001	<0.001	
MW - 10	06/09/05	<0.001	<0.001	<0.001	<0.001	
MW - 10	09/08/05	Not Sampled on Current Sample Schedule				
MW - 10	09/13/05	Plugged and Abandoned				
MW - 11	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 11	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 11	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 11	05/12/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 11	08/23/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 11	12/07/04	<0.001	<0.001	<0.001	<0.001	
MW - 11	03/09/05	<0.001	<0.001	<0.001	<0.001	
MW - 11	06/09/05	<0.001	<0.001	<0.001	<0.001	
MW - 11	09/08/05	Not Sampled on Current Sample Schedule				
MW - 11	09/13/05	Plugged and Abandoned				
MW - 12	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 12	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 12	05/12/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 12	08/23/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 12	12/07/04	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	03/09/05	<0.001	<0.001	<0.001	<0.001	
MW - 12	06/09/05	<0.001	<0.001	<0.001	<0.001	
MW - 12	09/08/05	<0.001	<0.001	<0.001	<0.001	
MW - 12	12/01/05	<0.001	<0.001	<0.001	<0.001	
MW - 12	03/07/06	<0.001	<0.001	<0.001	<0.001	
MW - 12	06/06/06	<0.005	<0.005	<0.005	<0.005	
MW - 12	09/15/06	<0.001	<0.001	<0.001	<0.001	
MW - 12	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/23/07	<0.001	<0.001	<0.001	<0.001	
MW - 12	05/18/07	<0.001	<0.001	<0.001	<0.001	
MW - 12	08/21/07	<0.001	<0.001	<0.001	<0.001	
MW - 12	11/05/07	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 12	05/09/08	<0.001	<0.001	<0.001	<0.001	
MW - 12	08/13/08	<0.001	<0.001	<0.001	<0.001	
MW - 12	11/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/04/09	<0.001	<0.001	<0.001	<0.001	
MW - 12	05/08/09	<0.001	<0.001	<0.001	<0.001	
MW - 12	08/05/09	<0.001	<0.001	<0.001	<0.001	
MW - 12	11/16/09	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/08/10	<0.001	<0.001	<0.001	<0.001	
MW - 12	05/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 12	08/10/10	<0.001	<0.001	<0.001	<0.001	

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 12	11/09/10	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/15/11	<0.001	<0.001	<0.001	<0.001	
MW - 12	05/05/11	<0.001	<0.001	<0.001	<0.001	
MW - 12	08/04/11	<0.001	<0.001	<0.001	<0.001	
MW - 12	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/13/12	<0.001	<0.001	<0.001	<0.001	
MW - 12	05/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 12	08/10/12	<0.001	<0.001	<0.001	0.0127	
MW - 12	11/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 12	05/08/13	<0.001	<0.001	<0.001	<0.001	
MW - 12	08/01/13	<0.001	<0.001	<0.001	<0.001	
MW - 12	11/05/13	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/26/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 12	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 12	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	02/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	08/20/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 13	01/10/03	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 13	02/11/03	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 13	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 13	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 13	05/12/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 13	08/23/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 13	12/07/04	0.0349	<0.001	<0.001	<0.001	
MW - 13	03/09/05	0.0326	<0.001	<0.001	<0.001	
MW - 13	06/09/05	0.0038	<0.001	<0.001	<0.001	
MW - 13	09/08/05	<0.001	<0.001	<0.001	<0.001	
MW - 13	12/01/05	<0.001	<0.001	<0.001	<0.001	
MW - 13	03/07/06	<0.001	<0.001	<0.001	<0.001	
MW - 13	06/06/06	<0.005	<0.005	<0.005	<0.005	
MW - 13	09/15/06	<0.001	<0.001	<0.001	<0.001	

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 13	11/21/06	<0.001	<0.001	<0.001	0.0019	
MW - 13	02/23/07	<0.001	<0.001	<0.001	<0.001	
MW - 13	05/18/07	<0.001	<0.001	<0.001	<0.001	
MW - 13	08/21/07	<0.001	<0.001	<0.001	<0.001	
MW - 13	11/05/07	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 13	05/09/08	<0.001	<0.001	<0.001	<0.001	
MW - 13	08/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 13	11/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/05/09	<0.001	<0.001	<0.001	<0.001	
MW - 13	05/08/09	<0.001	<0.001	<0.001	<0.001	
MW - 13	08/05/09	<0.001	<0.001	<0.001	<0.001	
MW - 13	11/16/09	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/08/10	<0.001	<0.001	<0.001	<0.001	
MW - 13	05/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 13	08/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 13	11/09/10	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/15/11	<0.001	<0.001	<0.001	<0.001	
MW - 13	05/05/11	<0.001	<0.001	<0.001	<0.001	
MW - 13	08/04/11	<0.001	<0.001	<0.001	<0.001	
MW - 13	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/13/12	<0.001	<0.001	<0.001	<0.001	
MW - 13	05/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 13	08/10/12	<0.001	<0.001	<0.001	<0.003	
MW - 13	11/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 13	05/08/13	<0.001	<0.001	<0.001	<0.001	
MW - 13	08/01/13	<0.001	<0.001	<0.001	<0.001	
MW - 13	11/05/13	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/26/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 13	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 13	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	02/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	08/20/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 14	01/10/03	0.0710	0.007	0.1340	0.011	0.008
MW - 14	02/11/03	0.0930	0.007	0.2600	0.013	0.001
MW - 14	05/15/03	0.0460	0.003	0.1380	0.008	<0.001
MW - 14	08/26/03	0.0260	0.003	0.0850	0.003	0.002
MW - 14	12/07/04	0.0622	<0.002	0.0858	<0.002	
MW - 14	03/09/05	0.0263	<0.005	0.0569	0.0085	
MW - 14	06/09/05	Not Sampled due to PSH in Well				
MW - 14	09/08/05	0.0286	0.0062	0.1110	0.0882	
MW - 14	12/01/05	Not Sampled due to PSH in Well				
MW - 14	03/07/06	Not Sampled due to PSH in Well				
MW - 14	06/06/06	Not Sampled due to PSH in Well				
MW - 14	09/15/06	Not Sampled due to PSH in Well				
MW - 14	11/21/06	Not Sampled due to PSH in Well				
MW - 14	02/23/07	Not Sampled due to PSH in Well				
MW - 14	05/18/07	Not Sampled due to PSH in Well				
MW - 14	08/21/07	Not Sampled due to PSH in Well				
MW - 14	11/05/07	0.0039	0.0036	0.1380	0.0629	
MW - 14	02/09/08	0.0061	0.0053	0.2800	0.078	
MW - 14	05/09/08	0.0045	0.0011	0.0865	0.0213	
MW - 14	08/13/08	0.0045	0.0023	0.1940	0.0252	
MW - 14	11/06/08	0.0083	0.0045	0.3250	0.0414	
MW - 14	02/05/09	0.0025	0.0015	0.1260	0.0183	
MW - 14	05/08/09	0.0065	<0.001	0.0142	<0.001	
MW - 14	08/05/09	0.0036	<0.001	0.0092	<0.001	
MW - 14	11/16/09	0.0017	<0.001	0.0132	<0.001	
MW - 14	02/08/10	0.0023	<0.001	0.0082	0.0037	
MW - 14	05/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 14	08/10/10	0.0017	<0.001	<0.001	<0.001	
MW - 14	11/09/10	<0.001	<0.001	<0.001	<0.001	
MW - 14	02/15/11	<0.001	<0.001	<0.001	<0.001	
MW - 14	05/05/11	<0.001	<0.0001	<0.001	<0.001	
MW - 14	08/04/11	<0.001	<0.0001	<0.001	<0.001	
MW - 14	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 14	02/13/12	<0.001	<0.001	<0.001	<0.001	
MW - 14	05/29/12	0.0019	<0.001	<0.001	<0.001	
MW - 14	08/10/12	0.0037	<0.001	0.0058	0.0129	
MW - 14	11/06/12	<0.005	<0.005	<0.005	<0.005	
MW - 14	02/06/13	<0.005	<0.005	<0.005	<0.005	
MW - 14	05/08/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	08/01/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	11/05/13	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	02/26/14	<0.00100	<0.00100	<0.00100	<0.00300	

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 14	05/12/14	0.00160	<0.00100	<0.00100	<0.00300	
MW - 14	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	02/18/15	0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	08/20/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	12/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 15	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 15	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 15	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 15	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 15	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 15	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 15	05/12/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 15	08/25/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 15	12/07/04	0.3360	<0.001	0.0561	0.067	
MW - 15	03/09/05	0.0253	<0.001	0.0048	<0.001	
MW - 15	06/09/05	<0.001	<0.001	<0.001	<0.001	
MW - 15	09/08/05	Not Sampled due to Well Obstruction				
MW - 15	12/01/05	0.0128	<0.001	0.0019	<0.001	
MW - 15	03/07/06	0.0016	<0.001	<0.001	<0.001	
MW - 15	06/06/06	<0.005	<0.005	<0.005	<0.005	
MW - 15	09/15/06	<0.001	<0.001	<0.001	<0.001	
MW - 15	12/05/06	<0.001	<0.001	<0.001	<0.001	
MW - 15	02/23/07	<0.001	<0.001	<0.001	<0.001	
MW - 15	05/18/07	<0.001	<0.001	<0.001	<0.001	
MW - 15	08/21/07	Not Sampled due to PSH in Well				
MW - 15	11/05/07	<0.001	<0.001	0.0012	<0.001	
MW - 15	02/09/08	<0.001	<0.001	0.0063	0.0093	
MW - 15	05/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 15	08/13/08	<0.001	<0.001	<0.001	<0.001	
MW - 15	11/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 15	02/05/09	<0.001	<0.001	<0.001	<0.001	
MW - 15	05/08/09	<0.001	<0.001	<0.001	<0.001	
MW - 15	08/05/09	<0.001	<0.001	<0.001	<0.001	
MW - 15	11/16/09	<0.001	<0.001	<0.001	<0.001	
MW - 15	02/08/10	<0.001	<0.001	<0.001	<0.001	

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 15	05/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 15	08/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 15	11/09/10	<0.001	<0.001	<0.001	<0.001	
MW - 15	02/15/11	<0.001	<0.001	<0.001	<0.001	
MW - 15	05/05/11	<0.001	<0.001	<0.001	<0.001	
MW - 15	08/04/11	<0.001	<0.001	<0.001	<0.001	
MW - 15	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 15	02/13/12	<0.001	<0.001	<0.001	<0.001	
MW - 15	05/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 15	08/10/12	<0.001	<0.001	<0.001	<0.003	
MW - 15	11/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 15	02/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 15	05/08/13	<0.001	<0.001	<0.001	<0.001	
MW - 15	08/01/13	<0.001	<0.001	<0.001	<0.001	
MW - 15	11/05/13	<0.001	<0.001	<0.001	<0.001	
MW - 15	02/26/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 15	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 15	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	11/15/14	0.00430	<0.00100	0.0144	<0.00100	
MW - 15	02/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	08/20/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	09/12/16	<0.00100	<0.00100	0.00140	0.00270	
MW - 15	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 16	12/10/04	<0.001	<0.001	<0.001	<0.001	
MW - 16	03/09/05	<0.001	<0.001	<0.001	<0.001	
MW - 16	06/09/05	<0.001	<0.001	<0.001	<0.001	
MW - 16	09/08/05	<0.001	<0.001	<0.001	<0.001	
MW - 16	12/01/05	<0.001	<0.001	<0.001	<0.001	
MW - 16	03/07/06	<0.001	<0.001	<0.001	<0.001	
MW - 16	06/06/06	<0.005	<0.005	<0.005	<0.005	
MW - 16	09/15/06	<0.001	<0.001	<0.001	<0.001	
MW - 16	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/23/07	<0.001	<0.001	<0.001	<0.001	
MW - 16	05/18/07	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/21/07	<0.001	<0.001	<0.001	<0.001	
MW - 16	11/05/07	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/08/08	<0.001	<0.001	<0.001	<0.001	

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 16	05/09/08	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/13/08	<0.001	<0.001	<0.001	<0.001	
MW - 16	11/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/04/09	<0.001	<0.001	<0.001	<0.001	
MW - 16	05/08/09	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/05/09	<0.001	<0.001	<0.001	<0.001	
MW - 16	11/16/09	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/08/10	Not Sampled on Current Sample Schedule				
MW - 16	05/11/10	Not Sampled on Current Sample Schedule				
MW - 16	08/10/10	Not Sampled on Current Sample Schedule				
MW - 16	11/09/10	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/15/11	Not Sampled on Current Sample Schedule				
MW - 16	05/05/11	Not Sampled on Current Sample Schedule				
MW - 16	08/04/11	Not Sampled on Current Sample Schedule				
MW - 16	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/13/12	Not Sampled on Current Sample Schedule				
MW - 16	05/29/12	Not Sampled on Current Sample Schedule				
MW - 16	08/10/12	Not Sampled on Current Sample Schedule				
MW - 16	11/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/06/13	Not Sampled on Current Sample Schedule				
MW - 16	05/08/13	Not Sampled on Current Sample Schedule				
MW - 16	08/01/13	Not Sampled on Current Sample Schedule				
MW - 16	11/05/13	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/26/14	Not Sampled on Current Sample Schedule				
MW - 16	05/12/14	Not Sampled on Current Sample Schedule				
MW - 16	08/11/14	Not Sampled on Current Sample Schedule				
MW - 16	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 16	02/18/15	Not Sampled on Current Sample Schedule				
MW - 16	05/28/15	Not Sampled on Current Sample Schedule				
MW - 16	08/20/15	Not Sampled on Current Sample Schedule				
MW - 16	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 16	02/25/16	Not Sampled on Current Sample Schedule				
MW - 16	06/02/16	Not Sampled on Current Sample Schedule				
MW - 16	09/12/16	Not Sampled on Current Sample Schedule				
MW - 16	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 17	12/10/04	<0.005	<0.005	<0.005	<0.005	
MW - 17	03/09/05	<0.001	<0.001	<0.001	<0.001	
MW - 17	09/08/05	Not Sampled				
MW - 17	06/09/05	<0.005	<0.005	<0.005	<0.005	
MW - 17	12/01/05	<0.001	<0.001	<0.001	<0.001	
MW - 17	03/07/06	<0.001	<0.001	<0.001	<0.001	

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 17	06/06/06	<0.005	<0.005	<0.005	<0.005	
MW - 17	09/15/06	<0.001	<0.001	<0.001	<0.001	
MW - 17	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/23/07	<0.001	<0.001	<0.001	<0.001	
MW - 17	05/18/07	<0.001	<0.001	<0.001	<0.001	
MW - 17	08/21/07	<0.001	<0.001	<0.001	<0.001	
MW - 17	11/05/07	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 17	05/09/08	<0.001	<0.001	<0.001	<0.001	
MW - 17	08/13/08	<0.001	<0.001	<0.001	<0.001	
MW - 17	11/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/04/09	<0.001	<0.001	<0.001	<0.001	
MW - 17	05/08/09	<0.001	<0.001	<0.001	<0.001	
MW - 17	08/05/09	<0.001	<0.001	<0.001	<0.001	
MW - 17	11/16/09	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/08/10	<0.001	<0.001	<0.001	<0.001	
MW - 17	05/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 17	08/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 17	11/09/10	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/15/11	<0.001	<0.001	<0.001	<0.001	
MW - 17	05/05/11	<0.001	<0.001	<0.001	<0.001	
MW - 17	08/04/11	<0.001	<0.001	<0.001	<0.001	
MW - 17	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/13/12	<0.001	<0.001	<0.001	<0.001	
MW - 17	05/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 17	08/10/12	<0.001	<0.001	<0.001	<0.003	
MW - 17	11/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 17	05/08/13	<0.001	<0.001	<0.001	<0.001	
MW - 17	08/01/13	<0.001	<0.001	<0.001	<0.001	
MW - 17	11/05/13	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/26/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 17	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 17	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	02/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	08/20/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 17	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200	
RW - 1	05/15/03	1.130	<0.001	0.2930	0.048	0.001
RW - 1	11/24/03	3.680	0.001	1.6000	0.044	0.003
RW - 1	02/18/04	1.320	0.001	0.6680	0.026	0.003
RW - 1	05/12/04	1.500	0.00272	0.8500	0.0313	0.0101
RW - 1	08/25/04	0.980	0.0287	0.3410	0.116	0.0652
RW - 1	12/08/04	0.680	<0.002	0.2100	<0.002	
RW - 1	03/09/05	0.419	<0.005	0.1190	<0.005	
RW - 1	06/09/05	2.390	0.437	1.0200	0.612	
RW - 1	09/08/05	Not Sampled due to PSH in Well				
RW - 1	12/01/05	2.160	0.212	1.0000	0.507	
RW - 1	03/07/06	2.980	<0.2	1.0200	0.713	
RW - 1	06/06/06	3.750	0.0239	1.1200	1.05	
RW - 1	09/15/06	1.820	<0.02	0.4370	0.473	
RW - 1	11/21/06	2.050	<0.02	0.8310	0.837	
RW - 1	02/23/07	2.020	<0.2	0.6390	0.503	
RW - 1	05/18/07	1.720	<0.05	0.6850	0.502	
RW - 1	08/21/07	2.580	<0.05	1.4300	1.04	
RW - 1	11/07/07	1.580	<0.2	<0.2	<0.2	
RW - 1	02/09/08	0.815	<0.020	0.4940	0.249	
RW - 1	05/09/08	0.340	<0.01	0.1790	0.135	
RW - 1	08/13/08	0.0126	<0.005	<0.005	0.0082	
RW - 1	11/06/08	1.060	0.0431	0.3800	0.164	
RW - 1	02/05/09	0.505	0.0065	0.2680	0.092	
RW - 1	05/08/09	0.823	<0.005	0.4160	0.120	
RW - 1	08/05/09	0.792	0.0190	0.1880	0.096	
RW - 1	11/16/09	0.512	<0.005	0.0176	<0.005	
RW - 1	02/08/10	0.543	<0.005	0.0412	0.03	
RW - 1	05/11/10	0.426	<0.005	0.0202	<0.005	
RW - 1	08/10/10	0.580	<0.001	<0.001	<0.001	
RW - 1	11/09/10	0.550	0.0355	0.0679	0.0966	
RW - 1	02/15/11	0.434	<0.0100	<0.0100	0.202	
RW - 1	05/05/11	0.434	<0.005	<0.005	<0.005	
RW - 1	08/04/11	0.428	<0.005	<0.005	<0.005	
RW - 1	11/21/11	0.174	<0.001	0.0047	0.0035	
RW - 1	02/13/12	0.166	<0.001	0.0203	0.0121	
RW - 1	05/29/12	0.138	<0.001	0.0055	0.0097	
RW - 1	08/10/12	0.068	<0.001	0.0244	0.0272	
RW - 1	11/06/12	0.103	<0.001	0.0199	0.0138	
RW - 1	02/06/13	0.111	<0.005	<0.005	<0.005	
RW - 1	05/08/13	0.0517	<.00100	<.00100	<.00100	

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
RW - 1	08/01/13	<0.00100	<.00100	<.00100	<.00100	
RW - 1	11/05/13	0.2080	<.00100	0.0266	0.0166	
RW - 1	02/26/14	0.424	<0.0500	<0.0500	<0.150	
RW - 1	05/12/14	0.398	<0.0500	<0.0500	<0.150	
RW - 1	08/11/14	0.163	<0.00100	<0.00100	<0.00100	
RW - 1	11/15/14	0.998	<0.00100	0.227	0.429	
RW - 1	02/18/15	0.619	<0.0500	0.110	0.0957	
RW - 1	05/28/15	0.526	<0.0500	0.0920	<0.0500	
RW - 1	08/20/15	0.313	<0.0500	0.0551	<0.0500	
RW - 1	11/30/15	0.268	<0.00100	0.0303	0.00380	
RW - 1	02/25/16	0.225	<0.00100	0.0380	<0.00100	
RW - 1	06/02/16	0.145	<0.00100	0.0106	0.00210	
RW - 1	09/12/16	0.120	<0.00100	0.0341	0.0229	
RW - 1	12/02/16	0.200	<0.00200	0.0121	0.0413	<0.00200
RW - 2	05/15/03	0.8010	<0.001	0.4480	0.068	0.002
RW - 2	11/24/03	0.3020	0.002	0.7240	0.133	0.002
RW - 2	02/18/04	0.1400	<0.001	0.7370	0.132	0.002
RW - 2	05/12/04	0.1700	<0.001	0.3790	0.0748	0.00193
RW - 2	08/25/04	0.1660	<0.001	0.1040	0.0325	0.00319
RW - 2	12/08/04	0.1220	<0.005	0.0665	<0.005	
RW - 2	03/09/05	0.0393	<0.005	0.0190	<0.005	
RW - 2	06/09/05	0.1060	<0.005	0.0523	0.0097	
RW - 2	09/08/05	Not Sampled				
RW - 2	12/01/05	0.0787	<0.001	0.0994	0.007	
RW - 2	03/07/06	<0.001	<0.001	0.0043	0.007	
RW - 2	06/06/06	<0.005	<0.005	<0.005	<0.005	
RW - 2	09/15/06	0.1620	0.001	0.1500	0.0514	
RW - 2	11/21/06	0.0802	<0.001	0.0790	0.013	
RW - 2	02/23/07	0.0237	<0.001	0.0131	0.0034	
RW - 2	05/18/07	<0.001	<0.001	<0.001	0.004	
RW - 2	08/21/07	0.1620	<0.001	0.0044	0.0157	
RW - 2	11/05/07	<0.001	<0.001	<0.001	<0.001	
RW - 2	02/08/08	0.0204	<0.001	<0.001	<0.001	
RW - 2	05/09/08	0.1640	<0.001	0.0031	0.0026	
RW - 2	08/13/08	<0.001	<0.001	<0.001	<0.001	
RW - 2	11/06/08	0.2640	0.0014	0.0204	0.0187	
RW - 2	02/05/09	0.0472	<0.001	0.0035	<0.001	
RW - 2	05/08/09	0.2600	<0.001	0.0449	0.0424	
RW - 2	08/05/09	0.3680	<0.001	0.0387	0.0291	
RW - 2	11/16/09	0.2740	<0.005	0.0119	<0.005	
RW - 2	02/08/10	0.1180	<0.005	<0.005	<0.005	

TABLE 2

HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
RW - 2	05/11/10	0.0560	<0.005	0.0487	0.0572	
RW - 2	08/10/10	0.0753	<0.001	<0.001	<0.001	
RW - 2	11/09/10	0.1200	<0.001	0.0064	0.0105	
RW - 2	02/15/11	0.0225	<0.001	<0.001	<0.001	
RW - 2	05/05/11	0.0206	<0.001	<0.001	<0.001	
RW - 2	08/04/11	0.2330	<0.001	0.0646	0.071	
RW - 2	11/21/11	0.0108	<0.005	<0.005	<0.005	
RW - 2	02/13/12	0.0179	<0.001	<0.001	<0.001	
RW - 2	05/29/12	0.0165	<0.001	0.0143	0.0051	
RW - 2	08/10/12	0.0042	<0.001	<0.001	<0.003	
RW - 2	11/06/12	0.0065	<0.001	0.0050	<0.001	
RW - 2	02/06/13	<0.001	<0.001	<0.001	<0.001	
RW - 2	05/08/13	<0.001	<0.001	<0.001	<0.001	
RW - 2	08/01/13	<0.001	<0.001	<0.001	<0.001	
RW - 2	11/05/13	0.0088	<0.001	<0.001	<0.001	
RW - 2	02/26/14	0.00180	<0.00100	<0.00100	<0.00300	
RW - 2	05/12/14	0.00290	<0.00100	<0.00100	<0.00300	
RW - 2	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100	
RW - 2	11/15/14	0.0290	<0.00100	<0.00100	<0.00100	
RW - 2	02/18/15	0.00120	<0.00100	<0.00100	<0.00100	

TABLE 3

HISTORIC POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM HDO-90-23

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[ghi]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			---
MW-2	11/06/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0227	<0.000922	0.0729	0.139	0.11	0.0175
	11/16/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0112	<0.000922	0.0182	<0.000922	0.0480	0.123	0.0744	0.0128
	11/09/10	Not Sampled due to the presence of PSH.																		
	12/16/11	Not Sampled due to the presence of PSH.																		
	11/06/12	Not Sampled due to the presence of PSH.																		
	11/05/13	Not Sampled due to the presence of PSH.																		
	11/15/14	Not Sampled due to the presence of PSH.																		
	11/30/15	<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	6.31	21.7	7.39	0.219
	12/02/16	0.00120	0.00230	0.00105	<0.000287	<0.000287	0.000394	<0.000287	<0.000287	0.00157	<0.000287	0.000628	<0.000287	<0.000287	<0.000287	0.000670	0.0125			<0.000287
MW-3	11/06/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.00202	<0.000183	0.00152	<0.000183	<0.000183	0.0203	<0.000183	0.0032
	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000825	<0.000183	<0.000183	<0.000183	<0.000183	0.00209
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	<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	<0.000184	<0.000184	<0.000184	<0.000184	0.001
	11/06/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.00253
	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
	12/18/14	<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
	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/11/08	<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	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

HISTORIC POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM HDO-90-23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---	
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/06/08	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	0.072	<0.0188	0.102	<0.0188	0.238	0.532	0.5	0.0833
	11/16/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.0083	<0.000917	<0.000917	0.0124	<0.000917	0.0599	0.118	0.0957	0.0102
	11/09/10	Not Sampled due to the presence of PSH.																		
	12/16/11	Not Sampled due to the presence of PSH.																		
	11/06/12	Not Sampled due to the presence of PSH.																		
	11/05/13	Not Sampled due to the presence of PSH.																		
	11/15/14	Not Sampled due to the presence of PSH.																		
	11/30/15	Not Sampled due to the presence of PSH.																		
	12/01/16	Not Sampled due to the presence of PSH.																		
MW-8	11/06/08	<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	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/06/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

HISTORIC POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM HDO-90-23

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---	
	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/06/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/06/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	
	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/06/08	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.000703	<0.000186	<0.000186	0.000874	<0.000186	0.00465	<0.000186	0.00638	0.0141	0.00647	0.00458
	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	<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	<0.000184	<0.000184	<0.000184	0.00215	
	11/06/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.00221	
	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
	12/01/16	Monitor Well Damaged, could not be sampled																		

TABLE 3

HISTORIC POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM HDO-90-23

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---	
MW-15	11/06/08	<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	0.000857	<0.000184	<0.000184	0.00194	0.000615	<0.000184
	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000553	<0.000183	0.000870	<0.000183	<0.000183	<0.000183	<0.000183	0.00176
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/06/08	<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	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/16/09	<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	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/06/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
RW-1	11/06/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00079	<0.000184	0.000549	<0.000184	0.0187	0.0136	0.0106	0.00117
	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.00607	0.00394	0.00125	0.000618
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

HISTORIC POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM HDO-90-23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

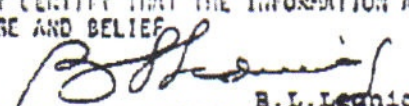
All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																			
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran	
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---		
	12/16/11	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000419	<0.000183	0.000265	<0.000183	0.000437	0.000184	<0.000183	0.000625	
	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																			
	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																			
	11/15/14	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	0.00900	0.0268	0.00544	<0.0002200	
	11/30/15	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.000200	0.267	0.0903	<0.0002200	
	12/02/16	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	1.44		<0.0146		
RW-2	11/06/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000774	<0.000185	<0.000185	
	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																			
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																			
	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																			
	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																			
	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																			
	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																			
	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																			

Appendix A
Release Notification and Corrective Action
(Form C-141)

OIL CONSERVATION DIVISION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR				ADDRESS			
TEXAS-NEW MEXICO PIPE LINE CO				P. O. Box 2528, Hobbs, N.M. 88240			
REPORT OF	FIRE	BREAK	SPILL	LEAK	BLOWOUT	OTHER*	
				X			
TYPE OF FACILITY	DRUG WELL	PROD WELL	TANK BTTV	PIPE LINE	GASO PLNT	OIL RFT	OTHER*
				X			
NAME OF FACILITY 14" Trunk Line							
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)				SEC.	TWP.	RGE.	COUNTY
NW/4 NE/4				6	21	37	Lea
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 6 Mi. NNW of Eunice & 3 Mi. N.W. of Loop 18							
DATE AND HOUR OF OCCURRENCE				DATE AND HOUR OF DISCOVERY			
Unknown				3/27/90 2:15 P.M.			
WAS IMMEDIATE NOTICE GIVEN?				IF YES, NMOCC - B. Pritchard TO WHOM SCC - D. Trevillo			
YES X NO				NOT REQUIRED			
BY NMOCC - M. Criswell				DATE 3/27/90: NMOCC - 3:35 P.M.			
WHOM SCC - C. Johnson				AND HOUR 3/28/90: SCC - 9:05 a.m.			
TYPE OF FLUID LOST Sour Crude				QUANTITY OF LOSS 750 BBLs		VOLUME RECOVERED 550 BBLs	
DID ANY FLUIDS REACH A WATERCOURSE?							
YES NO X				QUANTITY			
IF YES, DESCRIBE FULLY**							
DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**							
External Corrosion							
Line clamped off							
DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**							
45,000 sq ft pasture land; 40,000 sq ft equipment damage.							
Cattle in the area							
Oil soaked earth covered with fresh soil in prospects of full restoration							
DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER*			
		X					
SURFACE CONDITIONS	SANDY	SANDY LOAM	CLAY	ROCKY	WET	DRY	SNOW
		X			X		
DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**							
55°							
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF							
SIGNED  B.L. Lehnicky TITLE Dist. Manager DATE 3/28/90							

*SPECIFY

**ATTACH ADDITIONAL SHEETS IF NECESSARY

HDO 90-23

cc: Hazardous Waste Section
N.M. Environmental Improvement Div.

90-063530