

AP-9

**Plains
HDO 90-23**

**Annual Report
2013**

2013
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:

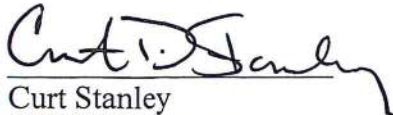
PLAINS MARKETING, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002



PREPARED BY:

NOVA Safety and Environmental
2057 Commerce Street
Midland, Texas 79703

March 2014


Curt Stanley
Project Manager



Brittan K. Byerly, P.G.
President

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ENCLOSED ON DATA DISK

2013 Annual Monitoring Report

2013 Tables 1, 2 and 3 – Groundwater Elevation, BTEX and PAH Concentration Data

2013 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), NOVA Safety and Environmental (NOVA) 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 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 2013 only. However, historic data tables as well as 2013 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 2013 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 greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The site is located in the NW $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 6, Township 20 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 750 barrels of crude oil were released and 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 soil borings were advanced and five monitoring wells were installed by a previous contractor to assess the subsurface conditions. In September 1999, three 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 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 100 feet north of monitor well MW-3. The leaking pipeline was reported to 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 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 soil borings in the vicinity of monitor wells MW-6, MW-2 and 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 soil borings, each in the vicinity of monitor well MW-2 to at least 40 feet below ground surface (bgs), to be conducted in June or July 2011 and in November 2012.

On July 7, 2011, as per the NMOCD directive dated June 22, 2010, NOVA personnel advanced one soil boring in the vicinity of monitor well MW-2 to a depth of approximately 40 ft. 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 soil boring in the vicinity of monitor well MW-2 to a depth of approximately 40 ft. bgs to the New Mexico Office of the State Engineer. The installation of the November 2012 boring is pending permitting and access permission.

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

FIELD ACTIVITIES

Product Recovery Efforts

A measurable thickness of PSH was detected in monitor wells MW-2 and MW-6 during all four sampling events of 2013. A maximum PSH thickness of 2.11 feet was recorded in monitor well MW-6 on September 12, 2013 and is shown on Table 1. The average thickness of PSH in wells MW-2 and MW-6 during 2013 was 1.01 feet. Approximately 50 gallons (1.19 barrels) of PSH were recovered manually from the site during the 2013 reporting period.

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 6, May 9, August 1, and November 5, 2013. During each sampling event, sampled monitor wells were purged a minimum of three 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 2013 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, indicates a general gradient 0.0005 feet/foot to the southeast as measured between monitor wells MW-9 and MW-17. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevation has ranged between 3,418.76 and 3,419.55 feet above mean sea level, in monitor well MW-14 on September 12, 2013 and monitor well MW-3 on October 24, 2013.

LABORATORY RESULTS

Groundwater samples obtained during the quarterly sampling events of 2013 were delivered to Trace Analysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021B. Based upon historic PAH analytical data, only those wells exhibiting elevated constituent concentrations above WQCC standards are sampled, with the exclusion of those wells containing measurable PSH thicknesses. Due to the presence of PSH, Polynuclear Aromatic Hydrocarbons (PAH) analysis was not conducted during the reporting period on groundwater samples requiring PAH analysis. Monitor wells MW-2 and MW-6 were not sampled for BTEX concentrations due to the presence of PSH. A listing of BTEX constituent concentrations for 2013 are summarized in Table 2 and the Historic PAH constituent concentrations are summarized in Table 3. Copies of the laboratory reports generated for 2013 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 sampled on a quarterly schedule. Monitor well MW-2 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 0.57 feet, 0.04 feet, 0.10 feet and 0.01 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2013, respectively. PAH analysis was not conducted during the 4th quarter sampling event, due to the presence of PSH.

Monitor well MW-3 is sampled on a quarterly schedule. Analytical results indicate benzene, toluene and xylene concentrations were below the MDL of <0.001 mg/L and the NMOCD regulatory guidelines of 0.01 mg/L for benzene, 0.75 mg/L for toluene and 0.62 mg/L for xylene during all four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 2nd, 3rd and 4th quarters to 0.00640 mg/L during the 1st quarter of 2013. Ethylbenzene concentrations were below NMOCD regulatory guidelines of 0.75 mg/L, during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-4 is sampled on a semi-annual. Analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each BTEX constituent during the 2nd and 4th quarter sampling events. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the installation of the monitor well in the 3rd quarter of 1999. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-5 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each BTEX constituent during the 2nd and 4th quarter sampling events. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st 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 2.05 feet, 1.63 feet, 1.75 feet and 1.44 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2013, 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 analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each BTEX constituent during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the installation of the monitor well in 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 analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each BTEX constituent during the 2nd and 4th quarters of 2013. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory since the installation of the monitor well in 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 analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each BTEX constituent during all four quarters of 2013. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory since the installation of the monitor well in 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 analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each BTEX constituent during all four quarters of 2013. The analytical results indicate 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-14 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each BTEX constituent during all four quarters of 2013. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 3rd quarter of 2007. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-15 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each BTEX constituent during all four quarters of 2013. The analytical results indicate 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.

Monitor well MW-16 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each BTEX constituent during the 4th quarter sampling event. The analytical results indicate 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 analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each BTEX constituent during all four quarters of 2013. The analytical results indicate 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.

Recovery well RW-1 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.00100 mg/L during the 3rd quarter to 0.2080 mg/L during the 4th quarter of 2013. Benzene concentrations were above NMOCD regulatory guidelines during the 1st, 2nd and 4th quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory guidelines during all four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.00100 mg/L during the 2nd and 3rd quarters to 0.0266 mg/L during the 4th quarter of 2013. Ethylbenzene concentrations were below NMOCD regulatory guidelines during all four quarters of the reporting period. Xylene concentrations ranged from <0.00100 mg/L during the 2nd and 3rd quarters to 0.0166 mg/L during the 4th quarter of 2013.

Xylene concentrations were below NMOCD regulatory guidelines during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Recovery well RW-2 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.00100 mg/L during the 1st, 2nd and 3rd quarters to 0.0088 mg/L during the 4th quarter of 2013. Benzene concentrations were below NMOCD regulatory guidelines during all four quarters of the reporting period. Toluene, ethylbenzene and xylene concentrations were below the MDL and NMOCD regulatory guidelines during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Laboratory analytical results were compared to NMOCD regulatory limits 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 2013. Currently, there are thirteen groundwater monitor wells (MW-2 through MW-6, MW-8, MW-9 and MW-12 through MW-17) and two recovery wells (RW-1 and RW-2) on-site. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of 0.0005 feet/foot to the southeast.

Monitor wells MW-2 and MW-6 contained PSH and were not sampled during the 1st, 2nd, 3rd and 4th quarters of the reporting period. The average thickness of PSH in monitor and recovery wells containing PSH during 2013 was 1.01 feet.

Approximately 50 gallons (1.19 barrels) of PSH were recovered manually from the site during the 2013 reporting period.

Review of laboratory analytical results generated from analysis of the groundwater samples obtained during the 2013 monitoring period indicates BTEX constituent concentrations are below NMOCD regulatory guidelines in eleven of the thirteen monitor wells.

ANTICIPATED ACTIONS

Quarterly groundwater monitoring, sampling and manual weekly PSH recovery will continue in 2014. An Annual Monitoring Report will be submitted to the NMOCD by April 1, 2015.

Based on the results of the PAH analysis over the past several years, PAH analysis will be conducted on monitor wells MW-2 and MW-6 when free of PSH.

One soil boring will be placed in the vicinity of monitor well MW-2 to a depth of at least 40 feet bgs and one 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. Once approval of the land owner and the Request for Drilling Permit has been obtained from the New Mexico Office of the State Engineer, arrangements will be made in order to complete the advancement of the soil boring and installation of the monitor well.

Mexico Office of the State Engineer, arrangements will be made in order to complete the advancement of the soil boring and installation of the monitor well.

LIMITATIONS

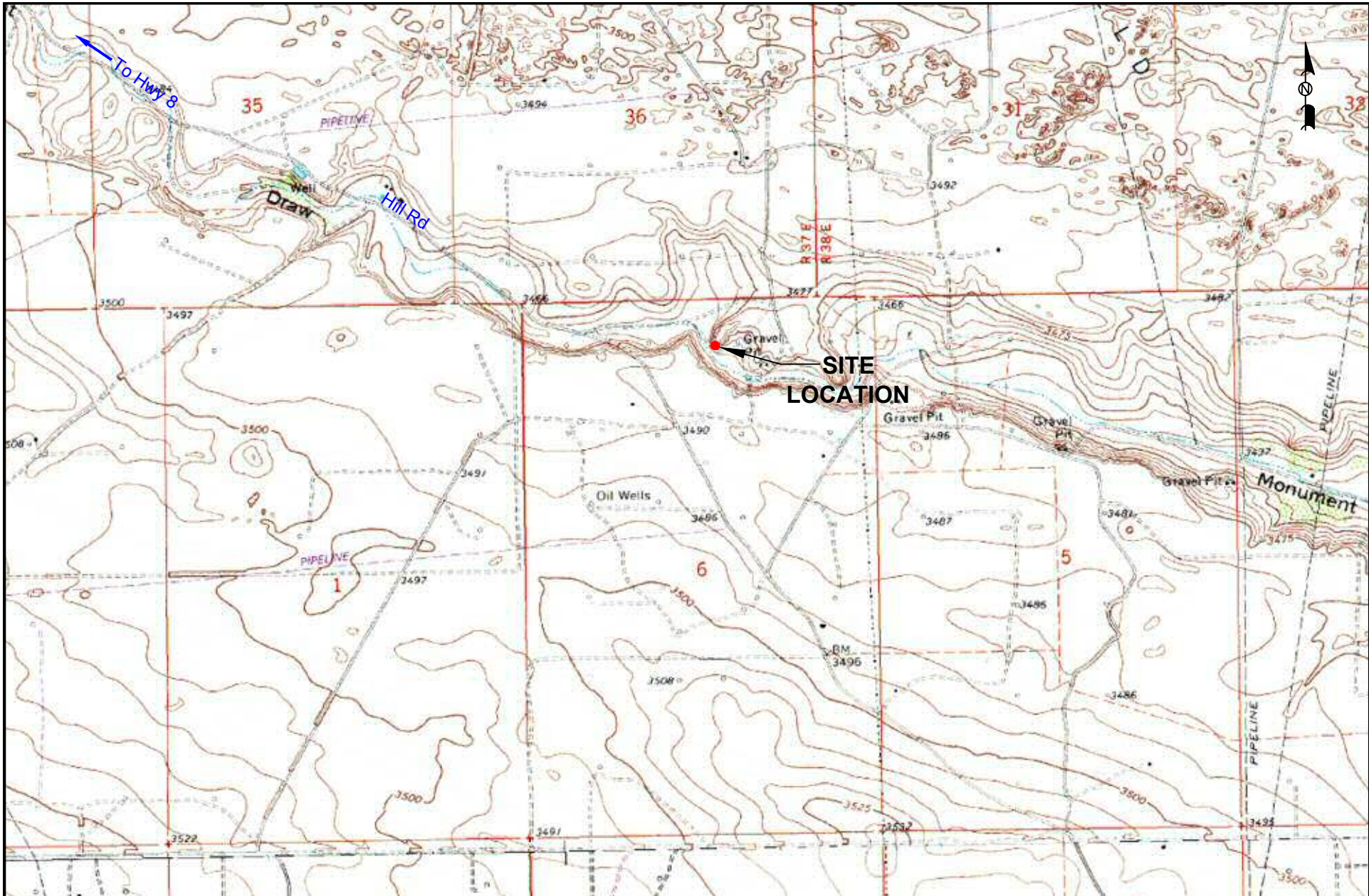
NOVA has prepared this Annual Monitoring Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA 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. NOVA has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA 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.

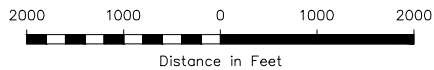
This report has been prepared for the benefit of Plains. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of NOVA and/or Plains.

DISTRIBUTION

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New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
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jpdann@paalp.com
- Copy 5: NOVA Safety and Environmental
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Midland, TX 79703
cstanley@novatraining.cc



LEGEND:



NMOCD Reference #AP-009

Figure 1
 Site Location Map
 HDO 90-23
 Plains Marketing, L.P.
 Lea County, NM

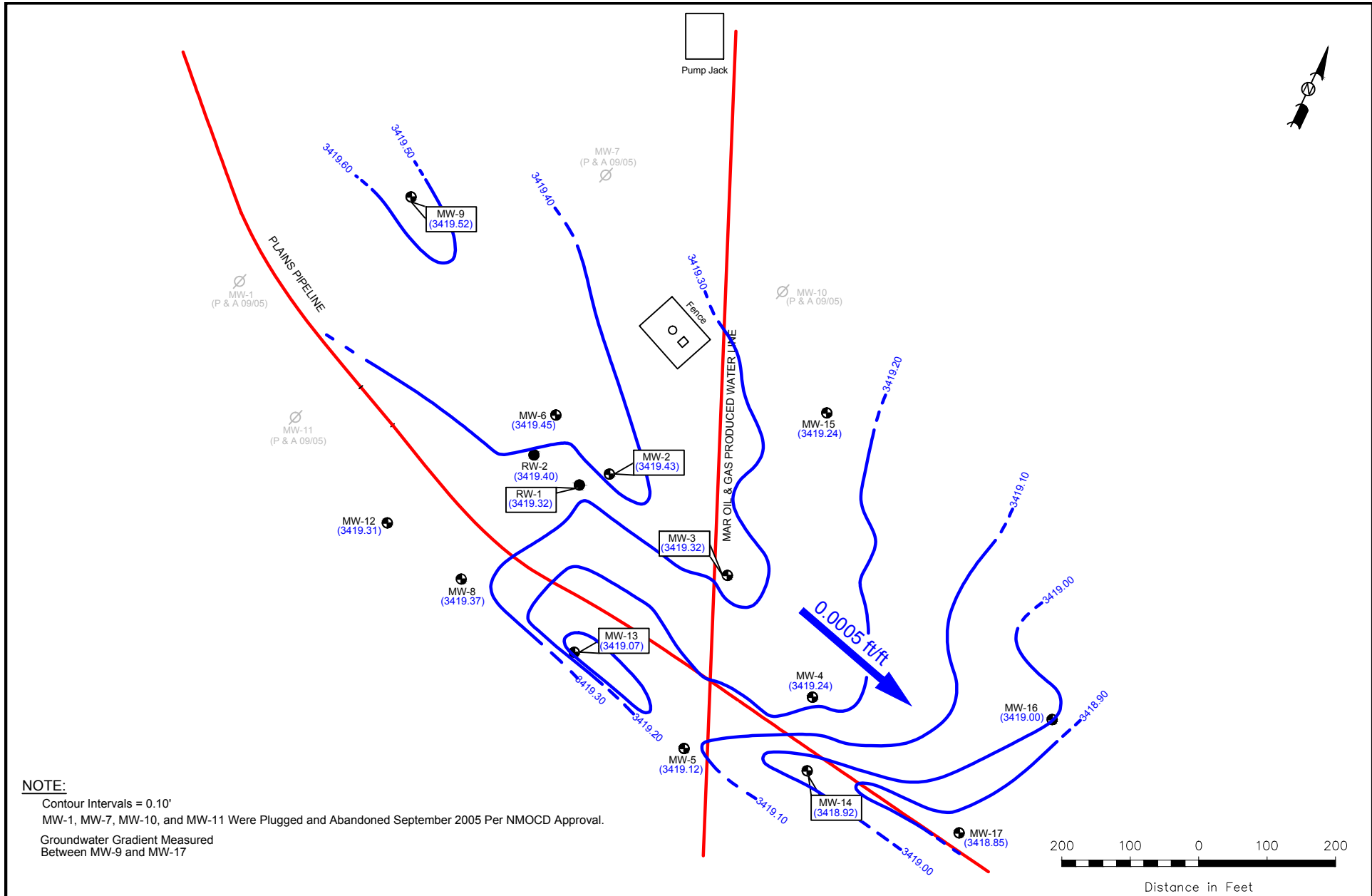


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 432.520.7720

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February 20, 2013 | Scale: 1" = 2000' | CAD By: CAS | Checked By: RKR

LATITUDE & LONGITUDE COORDINATES: N 32° 31' 12.10" W 103° 12' 2.86"



NOTE:
 Contour Intervals = 0.10'
 MW-1, MW-7, MW-10, and MW-11 Were Plugged and Abandoned September 2005 Per NMOCD Approval.
 Groundwater Gradient Measured
 Between MW-9 and MW-17

LEGEND:

- Monitor Well Location
 - Recovery Well Location
 - Plugged and Abandoned Well
 - Pipeline
 - Groundwater Elevation Contour
- (3418.72) Groundwater Elevation in feet

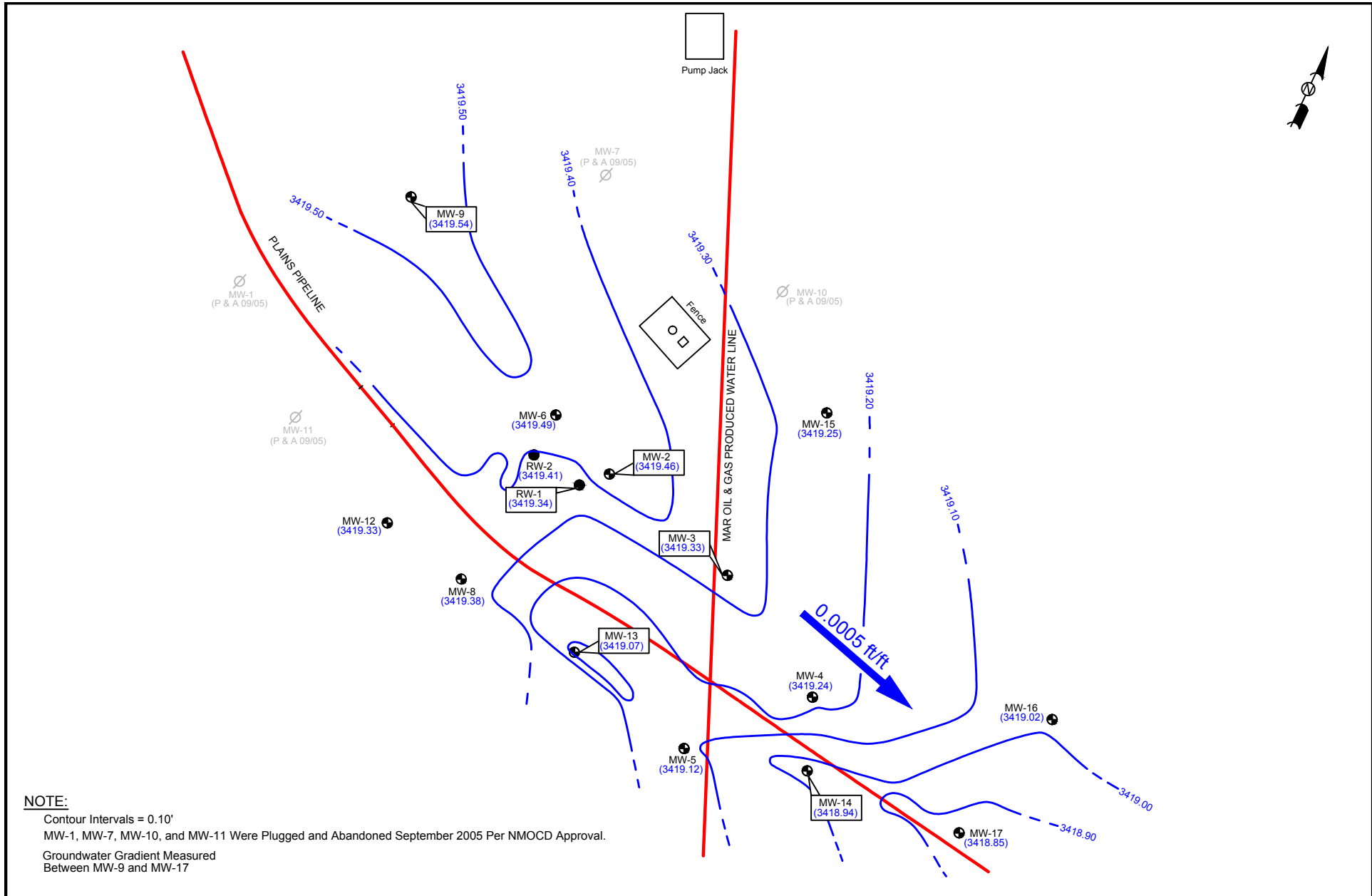
Figure 2A
Inferred Groundwater
Gradient Map
 (2/6/2013)
 NMOCD Reference # AP-009
 Plains Marketing, L.P.
 HDO 90-23
 Lea County, NM



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April 13, 2013	Scale: 1" = 200'	CAD By: CAS	Checked By: CJB
Lat. N32° 31' 12.10" Long. W103° 12' 02.86"		NW1/4 SE1/4 Sec 18 T18S R36E	



LEGEND:

- Monitor Well Location
- Recovery Well Location
- Plugged and Abandoned Well
- Pipeline
- Groundwater Elevation Contour

(3418.72) Groundwater Elevation in feet

200 100 0 100 200

Distance in Feet

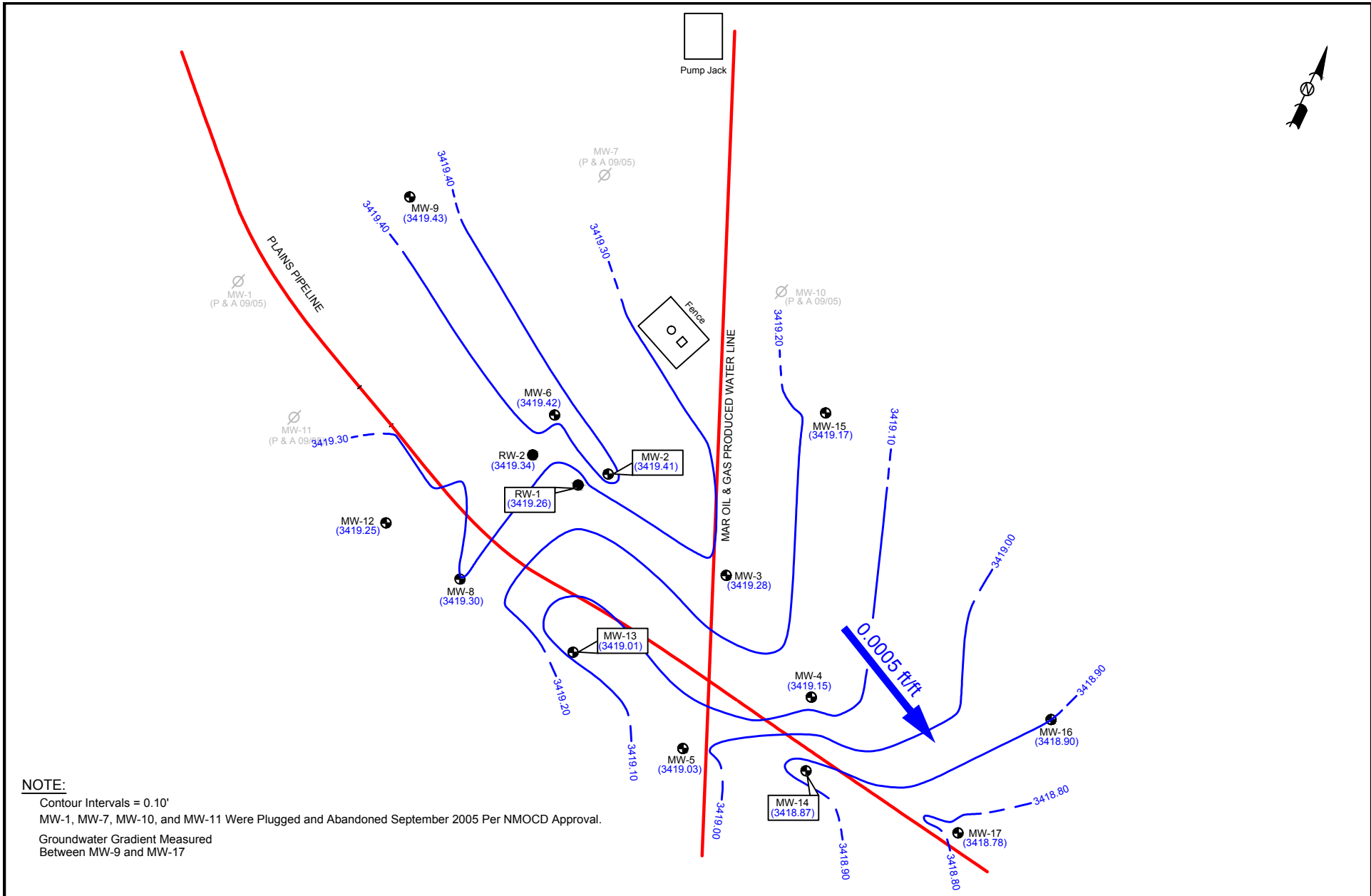
Figure 2B
 Inferred Groundwater
 Gradient Map
 (5/8/2013)
 NMOCD Reference # AP-009
 Plains Marketing, L.P.
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 Lea County, NM

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July 2, 2013	Scale: 1" = 200'	CAD By: CAS	Checked By: CS
Lat. N32° 31' 12.10" Long. W103° 12' 02.86" NW1/4 SE1/4 Sec 18 T18S R36E			



NOTE:
 Contour Intervals = 0.10'
 MW-1, MW-7, MW-10, and MW-11 Were Plugged and Abandoned September 2005 Per NMOCD Approval.
 Groundwater Gradient Measured
 Between MW-9 and MW-17

LEGEND:

- Monitor Well Location
- Recovery Well Location
- Plugged and Abandoned Well
- Pipeline
- Groundwater Elevation Contour

(3418.72) Groundwater Elevation in feet



Distance in Feet

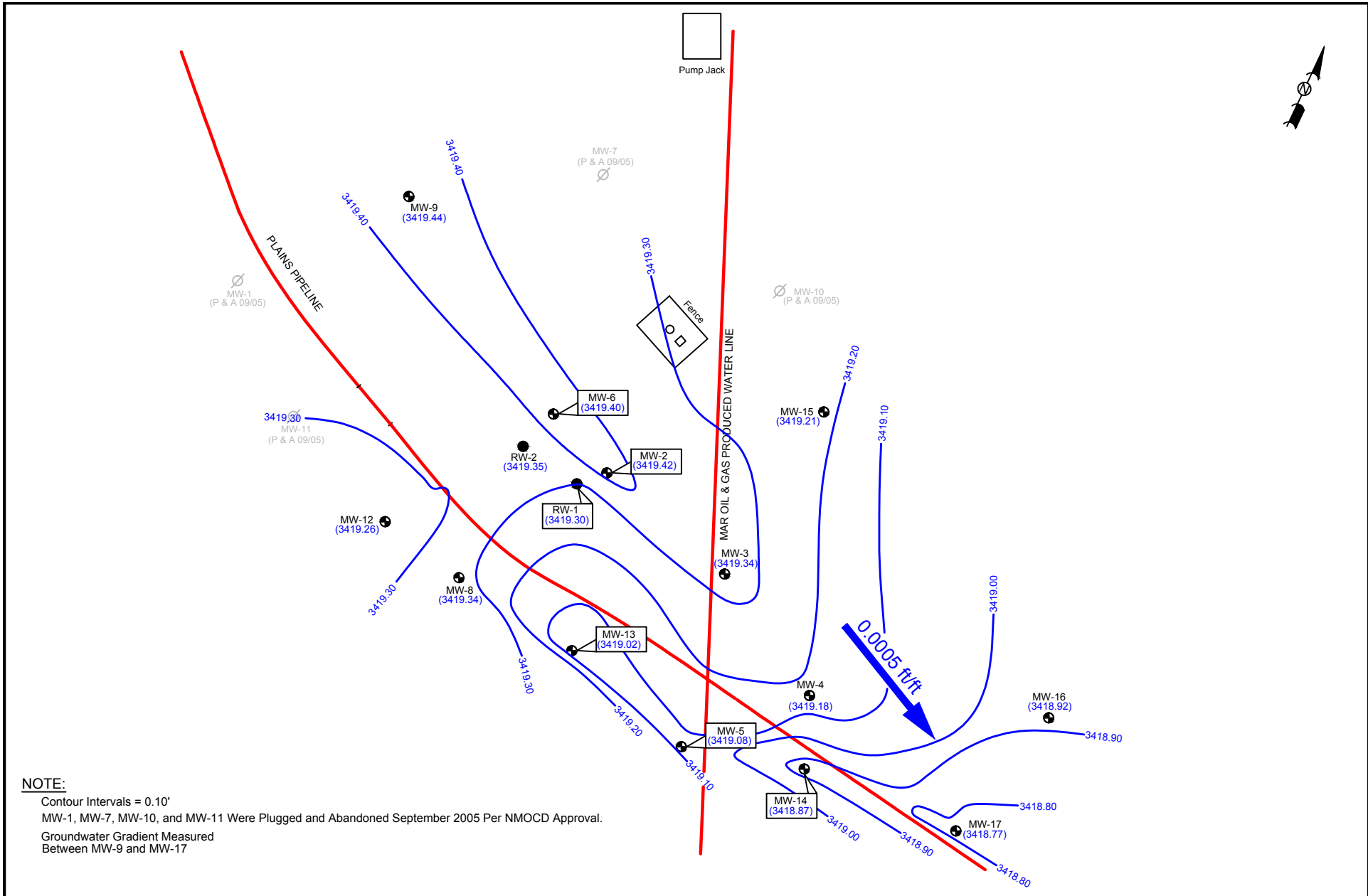
Figure 2C
 Inferred Groundwater
 Gradient Map
 (8/1/2013)
 NMOCD Reference # AP-009
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 HDO 90-23
 Lea County, NM



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September 26, 2013	Scale: 1" = 200'	CAD By: TA	Checked By: CJB
Lat. N32° 31' 12.10" Long. W103° 12' 02.86"		NW1/4 SE1/4 Sec 18 T18S R36E	



NOTE:
 Contour Intervals = 0.10'
 MW-1, MW-7, MW-10, and MW-11 Were Plugged and Abandoned September 2005 Per NMOCD Approval.
 Groundwater Gradient Measured
 Between MW-9 and MW-17

LEGEND:

- Monitor Well Location
- Recovery Well Location
- Plugged and Abandoned Well
- Pipeline
- Groundwater Elevation Contour

(3418.72) Groundwater Elevation in feet



Distance in Feet

Figure 2D
 Inferred Groundwater
 Gradient Map
 (11/5/2013)
 NMOCD Reference # AP-009
 Plains Marketing, L.P.
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 Lea County, NM



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December 20, 2013	Scale: 1" = 200'	CAD By: TA	Checked By: CS
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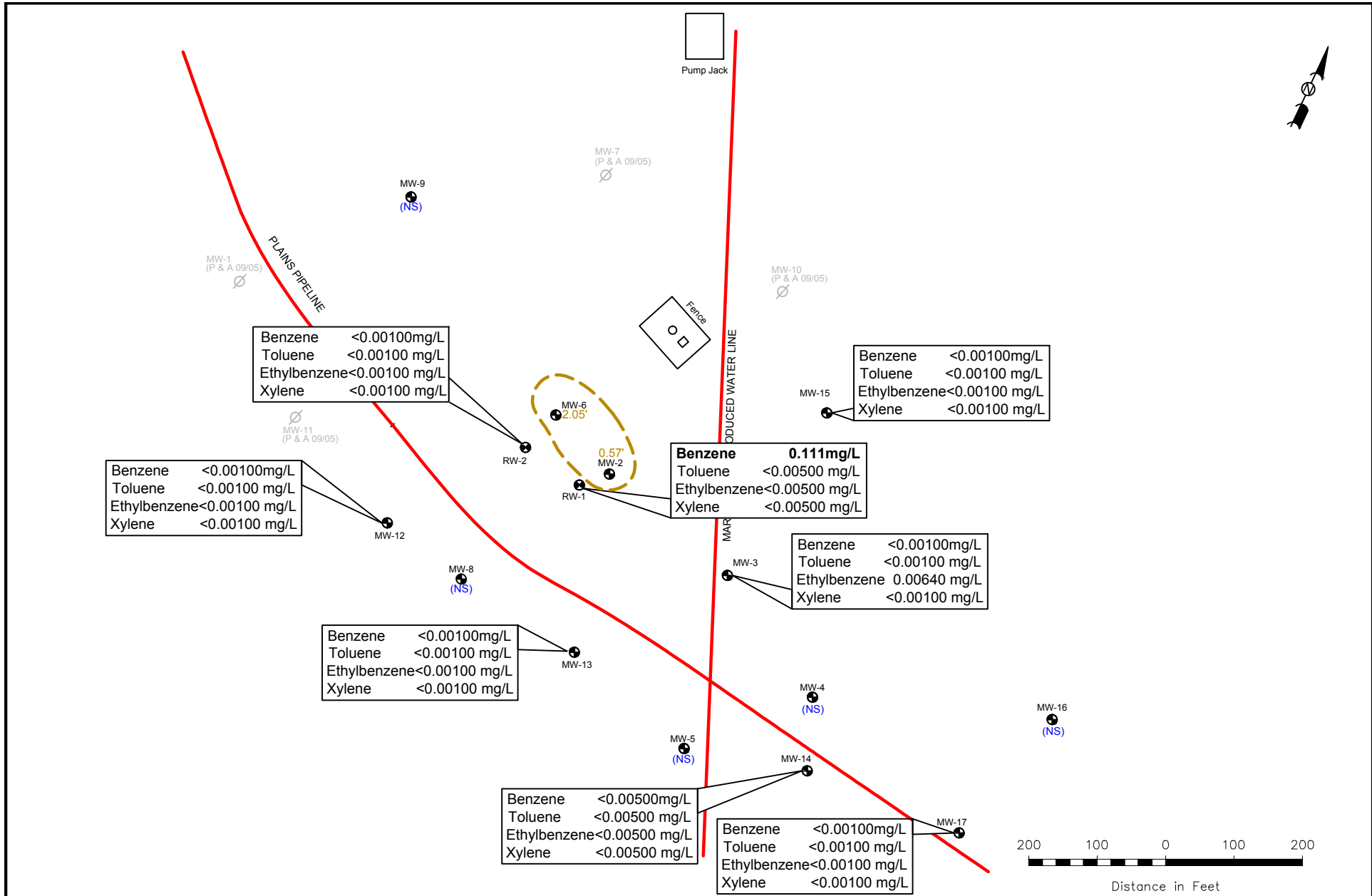


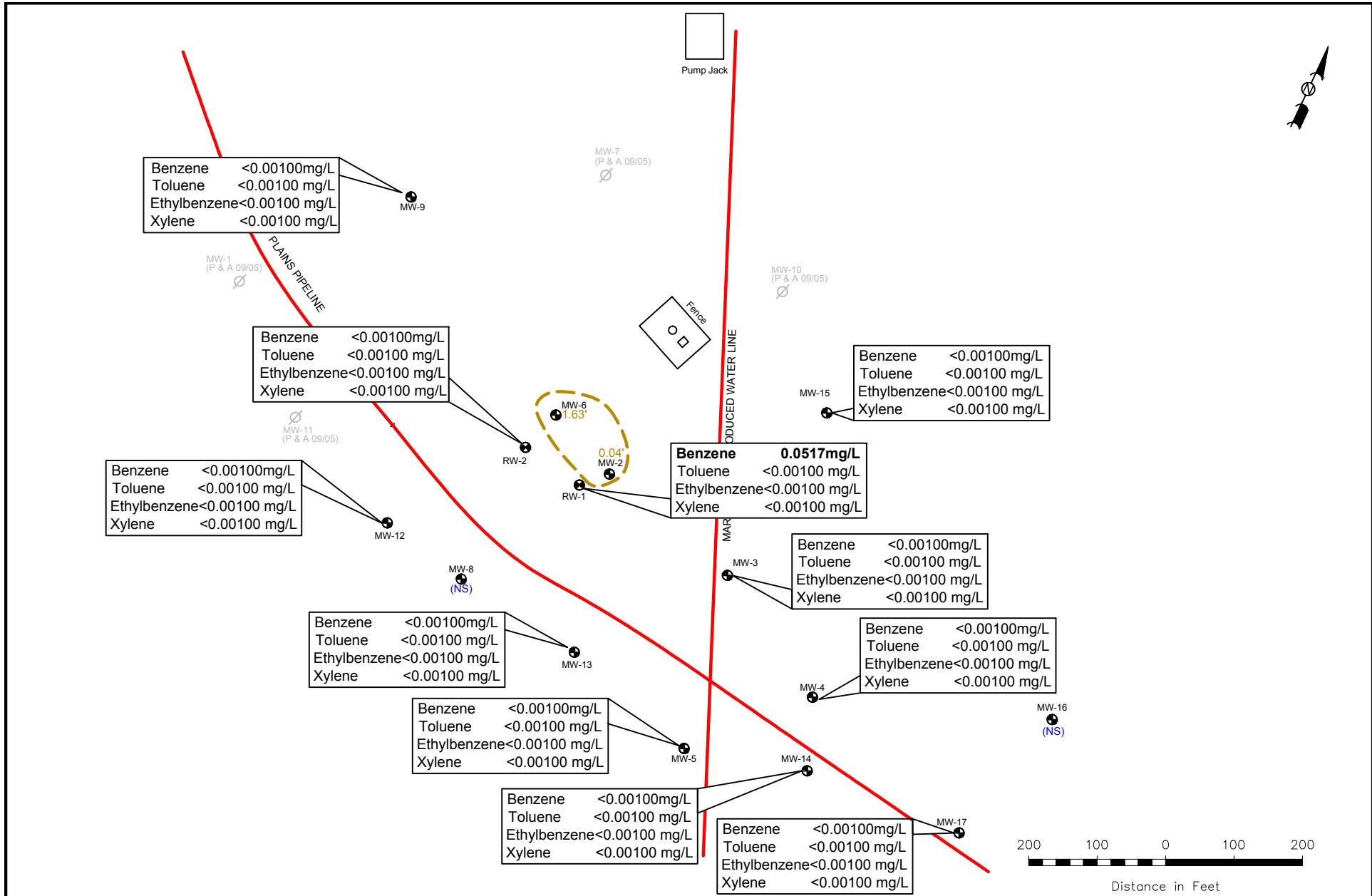
Figure 3A
 Inferred PSH and Dissolved
 Phase Extent Map
 (2/6/2013)
 Plains Marketing, L.P.
 HDO 90-23
 Lea County, NM
 NMOCD Reference # AP-009



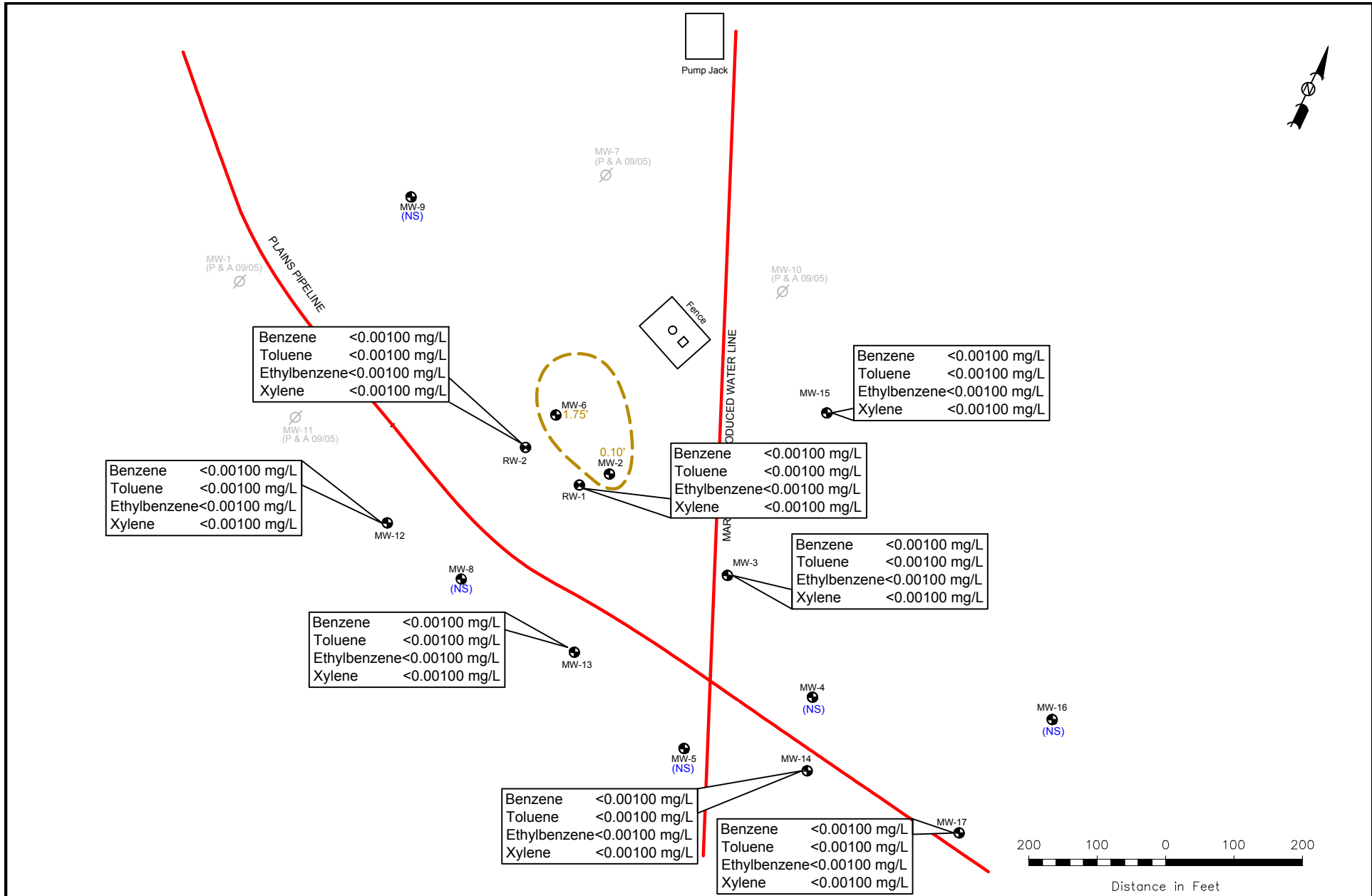
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April 9, 2013	Scale: 1" = 200'	CAD By: CAS	Checked By:
Lat. N32° 31' 12.10" Long. W103° 12' 02.86" NW1/4 SE1/4 Sec 18 T18S R36E			



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 Inferred PSH and Dissolved Phase Extent Map (2/6/2013) Plains Marketing, L.P. HDO 90-23 Lea County, NM NMOCD Reference # AP-009	 2057 Commerce Drive Midland, Texas 79703 432.520.7720 www.novasafetyandenvironmental.com					
	<table border="1"> <tr> <td>April 9, 2013</td> <td>Scale: 1" = 200'</td> <td>CAD By: CAS</td> <td>Checked By:</td> </tr> <tr> <td colspan="2">Lat. N32° 31' 12.10" Long. W103° 12' 02.86"</td> <td colspan="2">NW1/4 SE1/4 Sec 18 T18S R36E</td> </tr> </table>			April 9, 2013	Scale: 1" = 200'	CAD By: CAS	Checked By:	Lat. N32° 31' 12.10" Long. W103° 12' 02.86"
April 9, 2013	Scale: 1" = 200'	CAD By: CAS	Checked By:					
Lat. N32° 31' 12.10" Long. W103° 12' 02.86"		NW1/4 SE1/4 Sec 18 T18S R36E						

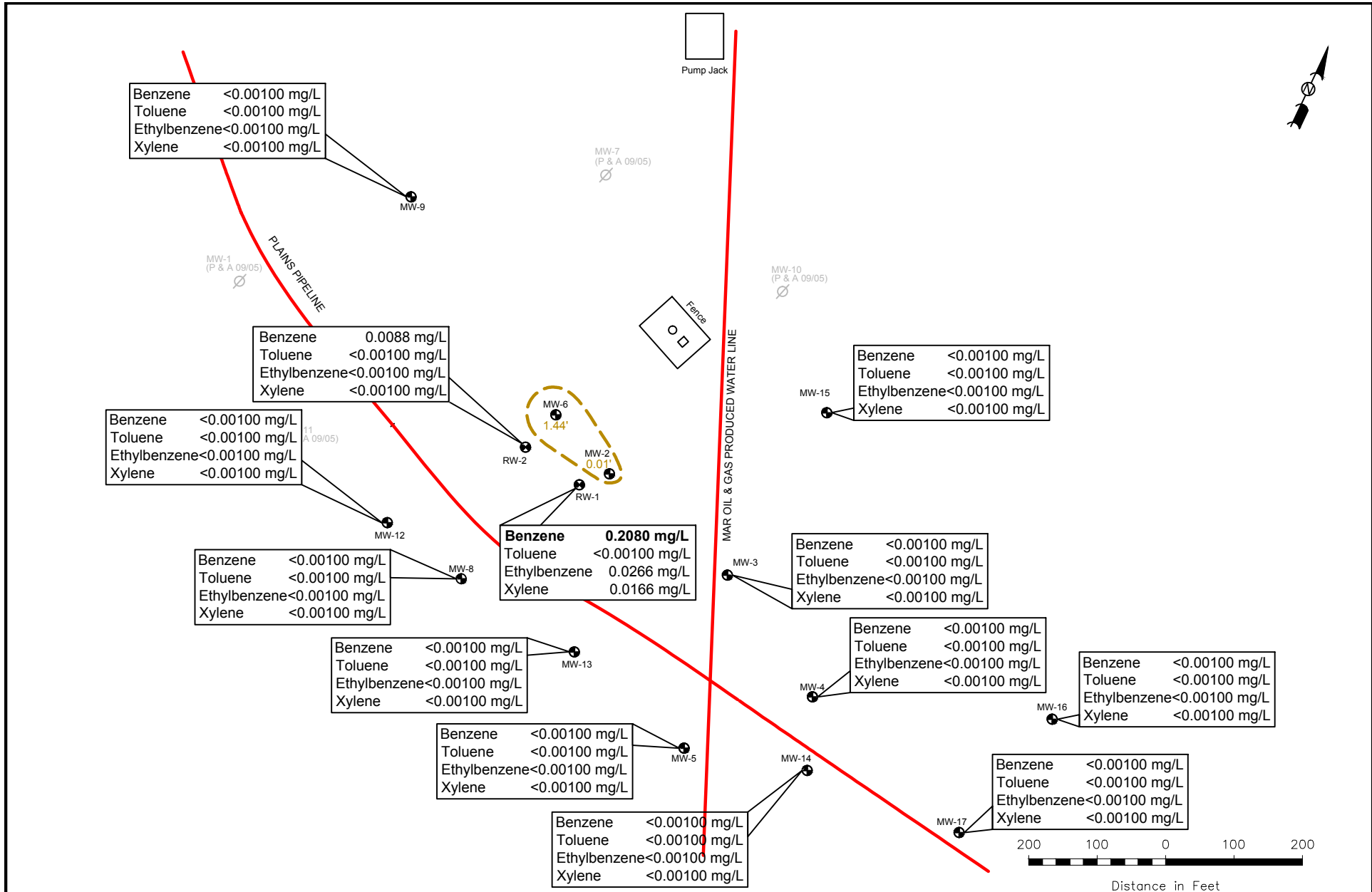


LEGEND:

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

Figure 3C
Inferred PSH and Dissolved
Phase Extent Map
 (8/1/2013)
Plains Marketing, L.P.
HDO 90-23
Lea County, NM
NMOCD Reference # AP-009

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Lat. N32° 31' 12.10" Long. W103° 12' 02.86"		NW1/4 SE1/4 Sec 18 T18S R36E	



LEGEND:

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

Figure 3D
 Inferred PSH and Dissolved
 Phase Extent Map
 (11/5/2013)
 Plains Marketing, L.P.
 HDO 90-23
 Lea County, NM
 NMOCD Reference # AP-009

NOVA
 safety and environmental

2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720

www.novasafetyandenvironmental.com

December 20, 2013	Scale: 1" = 200'	CAD By: TA	Checked By: CS
Lat. N32° 31' 12.10" Long. W103° 12' 02.86" NW1/4 SE1/4 Sec 18 T18S R36E			

TABLE 1

2013 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	09/13/05	PLUGGED & ABANDONED				
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	46.10	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	46.00	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
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 - 3	02/06/13	3,464.68	-	45.36	0.00	3,419.32

TABLE 1

2013 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	02/20/13	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
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 - 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

TABLE 1

2013 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	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 - 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
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

TABLE 1

2013 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	12/17/13	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 - 7	09/13/05	PLUGGED & ABANDONED				
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 - 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 - 10	09/13/05	PLUGGED & ABANDONED				
MW - 11	09/13/05	PLUGGED & ABANDONED				
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 - 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
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 - 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

TABLE 1

2013 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	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
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 - 15	02/06/13	3466.10	-	46.86	0.00	3,419.24
MW - 14	06/05/13	3466.50	-	47.57	0.00	3,418.93
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 - 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 - 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
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

TABLE 1

2013 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	05/02/13	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
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 - 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

TABLE 1

2013 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	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
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

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

TABLE 2

2013 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 LIMIT		0.0100	0.75	0.7500	0.620	
MW - 1	09/13/05	Plugged and Abandoned				
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	Not Sampled due to PSH in Well				
MW - 3	02/06/13	<0.00100	<0.00100	0.00640	<0.00100	
MW - 3	05/08/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	08/01/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	11/05/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	02/06/13	Not Sampled on Current Sample Schedule				
MW - 4	05/09/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	08/01/13	Not Sampled on Current Sample Schedule				
MW - 4	11/05/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/06/13	Not Sampled on Current Sample Schedule				
MW - 5	05/09/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	08/01/13	Not Sampled on Current Sample Schedule				
MW - 5	11/05/13	<0.00100	<0.00100	<0.00100	<0.00100	
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 - 7	09/13/05	Plugged and Abandoned				
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	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	02/06/13	Not Sampled on Current Sample Schedule				
MW - 9	05/08/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	08/01/13	Not Sampled on Current Sample Schedule				
MW - 9	11/05/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	09/13/05	Plugged and Abandoned				
MW - 11	09/13/05	Plugged and Abandoned				

TABLE 2

2013 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 LIMIT		0.0100	0.75	0.7500	0.620	
MW - 12	02/06/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	05/08/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	08/01/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	11/05/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	02/06/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	05/08/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	08/01/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	11/05/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	02/06/13	<0.00500	<0.00500	<0.00500	<0.00500	
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	
MW - 15	02/06/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	05/08/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	08/01/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	11/05/13	<0.00100	<0.00100	<0.00100	<0.00100	
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	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	02/06/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	05/08/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	08/01/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	11/05/13	<0.00100	<0.00100	<0.00100	<0.00100	
RW - 1	02/06/13	0.111	<0.005	<0.005	<0.00500	
RW - 1	05/08/13	0.0517	<0.00100	<0.00100	<0.00100	
RW - 1	08/01/13	<0.00100	<0.00100	<0.00100	<0.00100	
RW - 1	11/05/13	0.2080	<0.00100	0.0266	0.0166	
RW - 2	02/06/13	<0.00100	<0.00100	<0.00100	<0.00100	
RW - 2	05/08/13	<0.00100	<0.00100	<0.00100	<0.00100	
RW - 2	08/01/13	<0.00100	<0.00100	<0.00100	<0.00100	
RW - 2	11/05/13	0.0088	<0.00100	<0.00100	<0.00100	

TABLE 3

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	Dibenz[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	0.001 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	0.0227	<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.																		
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.																		
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.																		
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.																		
	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.																		
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.																		

TABLE 3

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	Dibenz[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		--	
	11/05/13	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	
	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.																		
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	
	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.																		
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.																		
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.																		
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.																		

TABLE 3

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	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
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	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---	
	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.																	
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	0.000857	<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	0.000553	<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.																	
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
	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
	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.																	
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
	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.																	
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	0.00079	<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	0.00607	0.00394	0.00125	0.000618
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																	
	12/16/11	<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.																	
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	0.000774	<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

TABLE 3

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
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
	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.													

OIL CONSERVATION DIVISION

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

NAME OF OPERATOR		TEXAS-NEW MEXICO PIPE LINE CO		ADDRESS			
				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 RFY	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?	YES	NO	NOT RE-REQUIRED	IF YES, NMOCC - B. Pritchard TO WHOM SCC - D. Trujillo			
	X						
BY WHOM	NMOCC - M. Criswell			DATE 3/27/90: NMOCC - 3:35 P.M.			
	SCC - C. Johnson			AND HOUR 3/28/90: SCC - 9:05 a.m.			
TYPE OF FLUID LOST	Sour Crude			QUANTITY OF LOSS		VOLUME RECOVERED	
				750 BBLs		550 BBLs	
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO	QUANTITY				
		X					
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	<i>B.L. Lehnicky</i>			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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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
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 - 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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	05/18/07	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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	07/31/09	3,464.68	-		0.00	3,464.68
MW - 3	08/05/09	3,464.68	-		0.00	3,464.68
MW - 3	08/06/09	3,464.68	-		0.00	3,464.68
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	11/25/09	3,464.68	-		0.00	3,464.68
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
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

TABLE 1
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	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
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

TABLE 1
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	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 - 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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	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
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 - 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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	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
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 - 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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	05/20/03	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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	06/09/04	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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	06/09/05	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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	05/18/07	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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	09/07/11	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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	05/08/13	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
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 - 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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	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	
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	

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	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
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 - 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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	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
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

TABLE 1
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	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 - 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	
MW - 12	01/21/03	3466.69	-	47.75	0.00	3,418.94	

TABLE 1
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	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
MW - 12	08/10/12	3466.69	-	47.38	0.00	3,419.31

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	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 - 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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	08/10/10	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
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 - 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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	06/29/04	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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	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
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

TABLE 1
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	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
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	11/25/09	3466.50	-		0.00	3,466.50
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

TABLE 1
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	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
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 - 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

TABLE 1
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	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
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	10/24/08	3466.10	-	x	0.00	#VALUE!
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

TABLE 1
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	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
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

TABLE 1
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	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	11/25/09	3466.10	-		0.00	3,466.10
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 - 14	06/05/13	3466.50	-	47.57	0.00	3,418.93
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 - 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
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

TABLE 1
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	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 - 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

TABLE 1
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	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
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
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	02/10/03	3465.02	NM	NM	NM	NM
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOC D 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	07/13/04	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
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

TABLE 1
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	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
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	09/14/07	3465.02	new sock			
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

TABLE 1
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	05/08/08	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
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

TABLE 1
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	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
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

TABLE 1
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	05/05/11	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
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

TABLE 1
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	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
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

TABLE 1
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	12/23/13	3465.02	-	45.80	0.00	3,419.22
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	02/10/03	3465.21	NM	NM	NM	NM
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
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

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
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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	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
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

TABLE 1
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	07/27/06	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
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	09/14/07	3465.21	new sock			
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

TABLE 1
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	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
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

TABLE 1
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LEA COUNTY, NEW MEXICO
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WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 1
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	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
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

TABLE 1
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	07/29/13	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
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

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

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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	

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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 - 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
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

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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	
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 - 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

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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	
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	

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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 - 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	

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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				
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 - 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				
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				

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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 - 7	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
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	

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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
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				

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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 - 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	

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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				
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 - 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
MW - 11	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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	
MW - 12	11/09/10	<0.001	<0.001	<0.001	<0.001	

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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 - 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	
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	

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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 - 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	

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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	<.00100	<.00100	<.00100	<.00100	
MW - 14	08/01/13	<.00100	<.00100	<.00100	<.00100	
MW - 14	11/05/13	<.00100	<.00100	<.00100	<.00100	
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	05/08/09	<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	

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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	
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 - 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	
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	

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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 - 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	
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	

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620		
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		
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		

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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	
RW - 1	08/01/13	<0.00100	<.00100	<.00100	<.00100	
RW - 1	11/05/13	0.2080	<.00100	0.0266	0.0166	
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	
RW - 2	05/11/10	0.0560	<0.005	0.0487	0.0572	

TABLE 2

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 LIMIT		0.0100	0.75	0.7500	0.620	
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	

TABLE 3

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	Dibenz[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	0.001 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	0.0227	<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.																		
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.																		
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.																		
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.																		
	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.																		
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.																		

TABLE 3

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	Dibenz[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		--	
	11/05/13	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	
	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.																		
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	
	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.																		
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.																		
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.																		
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.																		

TABLE 3

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	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
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	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---	
	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.																	
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	0.000857	<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	0.000553	<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.																	
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
	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
	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.																	
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
	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.																	
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	0.00079	<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	0.00607	0.00394	0.00125	0.000618
	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																	
	12/16/11	<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.																	
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	0.000774	<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

TABLE 3

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	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene
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		--
	11/09/10	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.																	

Summary Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: February 12, 2013

Work Order: 13020702



Project Location: New Mexico
Project Name: HDO
Project Number: TNM-HDO-90-23

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
320430	MW-12	water	2013-02-06	14:51	2013-02-07
320431	MW-17	water	2013-02-06	15:20	2013-02-07
320432	MW-13	water	2013-02-06	14:45	2013-02-07
320433	MW-15	water	2013-02-06	15:19	2013-02-07
320434	MW-14	water	2013-02-06	15:25	2013-02-07
320435	RW-2	water	2013-02-06	14:01	2013-02-07
320436	MW-3	water	2013-02-06	14:55	2013-02-07
320437	RW-1	water	2013-02-06	14:12	2013-02-07

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
320430 - MW-12	<0.00100	<0.00100	<0.00100	<0.00100
320431 - MW-17	<0.00100	<0.00100	<0.00100	<0.00100
320432 - MW-13	<0.00100	<0.00100	<0.00100	<0.00100
320433 - MW-15	<0.00100	<0.00100	<0.00100	<0.00100
320434 - MW-14	<0.00500 ¹	<0.00500	<0.00500	<0.00500
320435 - RW-2	<0.00100	<0.00100	<0.00100	<0.00100
320436 - MW-3	<0.00100	<0.00100	0.00640	<0.00100
320437 - RW-1	0.111	<0.00500 ²	<0.00500	<0.00500

¹Dilution due to surfactant.

²Dilution due to surfactant.



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Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: February 12, 2013

Work Order: 13020702



Project Location: New Mexico
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
320430	MW-12	water	2013-02-06	14:51	2013-02-07
320431	MW-17	water	2013-02-06	15:20	2013-02-07
320432	MW-13	water	2013-02-06	14:45	2013-02-07
320433	MW-15	water	2013-02-06	15:19	2013-02-07
320434	MW-14	water	2013-02-06	15:25	2013-02-07
320435	RW-2	water	2013-02-06	14:01	2013-02-07
320436	MW-3	water	2013-02-06	14:55	2013-02-07
320437	RW-1	water	2013-02-06	14:12	2013-02-07

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

This report consists of a total of 16 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

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

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Case Narrative

Samples for project HDO were received by TraceAnalysis, Inc. on 2013-02-07 and assigned to work order 13020702. Samples for work order 13020702 were received intact without headspace and at a temperature of 3.7 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	83745	2013-02-11 at 12:00	98837	2013-02-11 at 12:00
BTEX	S 8021B	83768	2013-02-11 at 12:00	98865	2013-02-11 at 12:00

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 13020702 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: 320430 - MW-12

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-02-11	Analyzed By: YG
QC Batch: 98865	Sample Preparation: 2013-02-11	Prepared By: YG
Prep Batch: 83768		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr	0.114	mg/L	1	0.100	114	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.100	mg/L	1	0.100	100	68.1 - 109

Sample: 320431 - MW-17

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-02-11	Analyzed By: YG
QC Batch: 98837	Sample Preparation: 2013-02-11	Prepared By: YG
Prep Batch: 83745		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr	0.115	mg/L	1	0.100	115	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.101	mg/L	1	0.100	101	68.1 - 109

Sample: 320432 - MW-13

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-02-11	Analyzed By: YG
QC Batch: 98837	Sample Preparation: 2013-02-11	Prepared By: YG
Prep Batch: 83745		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr	0.117	mg/L	1	0.100	117	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.102	mg/L	1	0.100	102	68.1 - 109

Sample: 320433 - MW-15

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-02-11	Analyzed By: YG
QC Batch: 98837	Sample Preparation: 2013-02-11	Prepared By: YG
Prep Batch: 83745		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr	0.115	mg/L	1	0.100	115	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.0998	mg/L	1	0.100	100	68.1 - 109

Sample: 320434 - MW-14

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-02-11	Analyzed By: YG
QC Batch: 98865	Sample Preparation: 2013-02-11	Prepared By: YG
Prep Batch: 83768		

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	1	<0.00500	mg/L	5	0.00100
Toluene	U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene	U	1	<0.00500	mg/L	5	0.00100
Xylene	U	1	<0.00500	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr	0.576	mg/L	5	0.500	115	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.509	mg/L	5	0.500	102	68.1 - 109

Sample: 320435 - RW-2

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-02-11	Analyzed By: YG
QC Batch: 98837	Sample Preparation: 2013-02-11	Prepared By: YG
Prep Batch: 83745		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr	0.113	mg/L	1	0.100	113	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.0992	mg/L	1	0.100	99	68.1 - 109

Sample: 320436 - MW-3

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-02-11	Analyzed By: YG
QC Batch: 98837	Sample Preparation: 2013-02-11	Prepared By: YG
Prep Batch: 83745		

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	1	<0.00100	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene		1	0.00640	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr	0.115	mg/L	1	0.100	115	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.103	mg/L	1	0.100	103	68.1 - 109

Sample: 320437 - RW-1

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-02-11	Analyzed By: YG
QC Batch: 98865	Sample Preparation: 2013-02-11	Prepared By: YG
Prep Batch: 83768		

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	0.111	mg/L	5	0.00100
Toluene	2	U	<0.00500	mg/L	5	0.00100
Ethylbenzene	U	1	<0.00500	mg/L	5	0.00100
Xylene	U	1	<0.00500	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr	0.568	mg/L	5	0.500	114	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.503	mg/L	5	0.500	101	68.1 - 109

Method Blanks

Method Blank (1) QC Batch: 98837

QC Batch: 98837 Date Analyzed: 2013-02-11 Analyzed By: YG
 Prep Batch: 83745 QC Preparation: 2013-02-11 Prepared By: YG

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Q _{sr}	Q _{sr}	0.120	mg/L	1	0.100	120	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.103	mg/L	1	0.100	103	68.1 - 109

Method Blank (1) QC Batch: 98865

QC Batch: 98865 Date Analyzed: 2013-02-11 Analyzed By: YG
 Prep Batch: 83768 QC Preparation: 2013-02-11 Prepared By: YG

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Q _{sr}	Q _{sr}	0.116	mg/L	1	0.100	116	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.101	mg/L	1	0.100	101	68.1 - 109

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 98837
 Prep Batch: 83745

Date Analyzed: 2013-02-11
 QC Preparation: 2013-02-11

Analyzed By: YG
 Prepared By: YG

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.108	mg/L	1	0.100	<0.000200	108	80 - 120
Toluene		1	0.109	mg/L	1	0.100	<0.000300	109	80 - 120
Ethylbenzene		1	0.113	mg/L	1	0.100	<0.000400	113	70.6 - 120
Xylene		1	0.349	mg/L	1	0.300	<0.00120	116	79.2 - 120

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	0.106	mg/L	1	0.100	<0.000200	106	80 - 120	2	20
Toluene		1	0.108	mg/L	1	0.100	<0.000300	108	80 - 120	1	20
Ethylbenzene		1	0.112	mg/L	1	0.100	<0.000400	112	70.6 - 120	1	20
Xylene		1	0.345	mg/L	1	0.300	<0.00120	115	79.2 - 120	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	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	Q _{sr}	Q _{sr}	0.119	0.119	mg/L	1	0.100	119	119	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.106	0.106	mg/L	1	0.100	106	106	68.1 - 109

Laboratory Control Spike (LCS-1)

QC Batch: 98865
 Prep Batch: 83768

Date Analyzed: 2013-02-11
 QC Preparation: 2013-02-11

Analyzed By: YG
 Prepared By: YG

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.106	mg/L	1	0.100	<0.000200	106	80 - 120
Toluene		1	0.107	mg/L	1	0.100	<0.000300	107	80 - 120
Ethylbenzene		1	0.111	mg/L	1	0.100	<0.000400	111	70.6 - 120
Xylene		1	0.345	mg/L	1	0.300	<0.00120	115	79.2 - 120

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	0.102	mg/L	1	0.100	<0.000200	102	80 - 120	4	20
Toluene		1	0.104	mg/L	1	0.100	<0.000300	104	80 - 120	3	20
Ethylbenzene		1	0.108	mg/L	1	0.100	<0.000400	108	70.6 - 120	3	20
Xylene		1	0.335	mg/L	1	0.300	<0.00120	112	79.2 - 120	3	20

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

Surrogate			LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	Q _{sr}	Q _{sr}	0.116	0.115	mg/L	1	0.100	116	115	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.103	0.102	mg/L	1	0.100	103	102	68.1 - 109

Matrix Spike (MS-1) Spiked Sample: 320217

QC Batch: 98837
Prep Batch: 83745

Date Analyzed: 2013-02-11
QC Preparation: 2013-02-11

Analyzed By: YG
Prepared By: YG

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.107	mg/L	1	0.100	<0.000200	107	25.7 - 139
Toluene		1	0.108	mg/L	1	0.100	<0.000300	108	32.7 - 134
Ethylbenzene		1	0.113	mg/L	1	0.100	<0.000400	113	45.9 - 120
Xylene		1	0.346	mg/L	1	0.300	<0.00120	115	34.9 - 128

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		1	0.108	mg/L	1	0.100	<0.000200	108	25.7 - 139	1	20
Toluene		1	0.109	mg/L	1	0.100	<0.000300	109	32.7 - 134	1	20
Ethylbenzene		1	0.114	mg/L	1	0.100	<0.000400	114	45.9 - 120	1	20
Xylene		1	0.354	mg/L	1	0.300	<0.00120	118	34.9 - 128	2	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)	Q _{sr}	Q _{sr}	0.118	0.119	mg/L	1	0.1	118	119	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.104	0.105	mg/L	1	0.1	104	105	68.1 - 109

Matrix Spike (MS-1) Spiked Sample: 320428

QC Batch: 98865
 Prep Batch: 83768

Date Analyzed: 2013-02-11
 QC Preparation: 2013-02-11

Analyzed By: YG
 Prepared By: YG

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	3	1	0.104	mg/L	1	0.100	<0.000200	104	25.7 - 139
Toluene		1	0.105	mg/L	1	0.100	<0.000300	105	32.7 - 134
Ethylbenzene		1	0.108	mg/L	1	0.100	<0.000400	108	45.9 - 120
Xylene		1	0.334	mg/L	1	0.300	<0.00120	111	34.9 - 128

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. Limit	RPD	RPD Limit
Benzene		1	0.106	mg/L	1	0.100	<0.000200	106	25.7 - 139	20
Toluene		1	0.108	mg/L	1	0.100	<0.000300	108	32.7 - 134	20
Ethylbenzene		1	0.112	mg/L	1	0.100	<0.000400	112	45.9 - 120	20
Xylene		1	0.341	mg/L	1	0.300	<0.00120	114	34.9 - 128	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)	Q _{sr}	Q _{sr}	0.113	0.114	mg/L	1	0.1	113	114	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.100	0.102	mg/L	1	0.1	100	102	68.1 - 109

Calibration Standards

Standard (CCV-1)

QC Batch: 98837

Date Analyzed: 2013-02-11

Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.105	105	80 - 120	2013-02-11
Toluene		1	mg/L	0.100	0.107	107	80 - 120	2013-02-11
Ethylbenzene		1	mg/L	0.100	0.111	111	80 - 120	2013-02-11
Xylene		1	mg/L	0.300	0.343	114	80 - 120	2013-02-11

Standard (CCV-2)

QC Batch: 98837

Date Analyzed: 2013-02-11

Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.105	105	80 - 120	2013-02-11
Toluene		1	mg/L	0.100	0.106	106	80 - 120	2013-02-11
Ethylbenzene		1	mg/L	0.100	0.110	110	80 - 120	2013-02-11
Xylene		1	mg/L	0.300	0.339	113	80 - 120	2013-02-11

Standard (CCV-3)

QC Batch: 98837

Date Analyzed: 2013-02-11

Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.106	106	80 - 120	2013-02-11
Toluene		1	mg/L	0.100	0.107	107	80 - 120	2013-02-11
Ethylbenzene		1	mg/L	0.100	0.110	110	80 - 120	2013-02-11
Xylene		1	mg/L	0.300	0.345	115	80 - 120	2013-02-11

Standard (CCV-1)

QC Batch: 98865

Date Analyzed: 2013-02-11

Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.104	104	80 - 120	2013-02-11
Toluene		1	mg/L	0.100	0.105	105	80 - 120	2013-02-11
Ethylbenzene		1	mg/L	0.100	0.110	110	80 - 120	2013-02-11
Xylene		1	mg/L	0.300	0.340	113	80 - 120	2013-02-11

Standard (CCV-2)

QC Batch: 98865

Date Analyzed: 2013-02-11

Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.104	104	80 - 120	2013-02-11
Toluene		1	mg/L	0.100	0.105	105	80 - 120	2013-02-11
Ethylbenzene		1	mg/L	0.100	0.110	110	80 - 120	2013-02-11
Xylene		1	mg/L	0.300	0.340	113	80 - 120	2013-02-11

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	T104704392-12-4	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 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

Result Comments

- 1 Dilution due to surfactant.
- 2 Dilution due to surfactant.
- 3 pH >2 per client.

Attachments

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

TraceAnalysis, Inc.

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

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

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

email: lab@traceanalysis.com

Company Name: Novo Phone #: 432 520 7720
 Address: 2057 Commerce Drive Fax #: 7701
 Contact Person: Camille Bryant E-mail:
 Invoice to: Camille Bryant
 (If different from above)
 Project #: HDO

Project Location (including state): New Mexico
 Sampler Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD					SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
320430	MW 12	3	Vol X	X				X					2/6	14:51
431	MW 17													15:20
432	MW 13													14:45
433	MW 15													15:19
434	MW 14													15:25
435	RW 2													14:01
436	MW 3													14:55
437	RW 1													14:12

Relinquished by: [Signature] Company: Novo Date: 08 Feb 2015 Time: 08:20
 Received by: [Signature] Company: TA Date: 2/13 Time: 8:20
 INST: 08:37
 OBS: 08:37
 COR: 08:37

Relinquished by: _____ Company: _____ Date: _____ Time: _____
 Received by: _____ Company: _____ Date: _____ Time: _____
 INST: _____
 OBS: _____
 COR: _____

ANALYSIS REQUEST
(Circle or Specify Method No.)

<input type="checkbox"/>	MTBE 8021 / 602 / 8260 / 624
<input checked="" type="checkbox"/>	BTX 8022 / 602 / 8260 / 624
<input type="checkbox"/>	TPH 418.1 / TX1005 / TX1005 Ext(C35)
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC
<input type="checkbox"/>	PAH 8270 / 625
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260 / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270 / 625
<input type="checkbox"/>	PCB's 8082 / 608
<input type="checkbox"/>	Pesticides 8081 / 608
<input type="checkbox"/>	BOD, TSS, pH
<input type="checkbox"/>	Moisture Content
<input type="checkbox"/>	Cl, F1, S04, NO3, NO2, Alkalinity
<input type="checkbox"/>	Na, Ca, Mg, K, TDS, EC
<input type="checkbox"/>	Turn Around Time if different from standard
<input type="checkbox"/>	Hold

REMARKS: Muddled at

LAB USE ONLY

Impact Y, N
 Headspace Y, N, N/A
 Log-in-Review

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

Carrier # Carly

Summary Report

Camille Bryant
 Nova Safety & Environmental
 2057 Commerce St.
 Midland, TX 79703

Report Date: May 16, 2013

Work Order: 13050906



Project Location: New Mexico
 Project Name: HDO
 SRS #: TNM-HDO-90-23

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
328543	MW-9	water	2013-05-08	14:00	2013-05-09
328544	MW-5	water	2013-05-08	15:11	2013-05-09
328545	MW-12	water	2013-05-08	15:34	2013-05-09
328546	MW-17	water	2013-05-08	14:42	2013-05-09
328547	MW-13	water	2013-05-08	15:20	2013-05-09
328548	MW-15	water	2013-05-08	14:16	2013-05-09
328549	MW-14	water	2013-05-08	14:56	2013-05-09
328550	RW-2	water	2013-05-08	13:45	2013-05-09
328551	MW-3	water	2013-05-08	13:08	2013-05-09
328552	RW-1	water	2013-05-08	13:26	2013-05-09

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
328543 - MW-9	<0.00100	<0.00100	<0.00100	<0.00100
328544 - MW-5	<0.00100	<0.00100	<0.00100	<0.00100
328545 - MW-12	<0.00100	<0.00100	<0.00100	<0.00100
328546 - MW-17	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs
328547 - MW-13	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs
328548 - MW-15	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs
328549 - MW-14	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs
328550 - RW-2	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs
328551 - MW-3	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs
328552 - RW-1	0.0517 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
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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

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: May 16, 2013

Work Order: 13050906



Project Location: New Mexico
Project Name: HDO
Project Number: TNM-HDO-90-23
SRS #: 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
328543	MW-9	water	2013-05-08	14:00	2013-05-09
328544	MW-5	water	2013-05-08	15:11	2013-05-09
328545	MW-12	water	2013-05-08	15:34	2013-05-09
328546	MW-17	water	2013-05-08	14:42	2013-05-09
328547	MW-13	water	2013-05-08	15:20	2013-05-09
328548	MW-15	water	2013-05-08	14:16	2013-05-09
328549	MW-14	water	2013-05-08	14:56	2013-05-09
328550	RW-2	water	2013-05-08	13:45	2013-05-09
328551	MW-3	water	2013-05-08	13:08	2013-05-09
328552	RW-1	water	2013-05-08	13:26	2013-05-09

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

This report consists of a total of 17 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

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

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Case Narrative

Samples for project HDO were received by TraceAnalysis, Inc. on 2013-05-09 and assigned to work order 13050906. Samples for work order 13050906 were received intact without headspace and at a temperature of 1.7 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	85917	2013-05-09 at 15:25	101375	2013-05-14 at 15:46
BTEX	S 8021B	85958	2013-05-15 at 11:00	101437	2013-05-15 at 11:00

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 13050906 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: 328543 - MW-9

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-05-14	Analyzed By: AH
QC Batch: 101375	Sample Preparation: 2013-05-09	Prepared By: AH
Prep Batch: 85917		

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

Surrogate	Flag	Cert	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)			0.0953	mg/L	1	0.100	95	70 - 130

Sample: 328544 - MW-5

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-05-14	Analyzed By: AH
QC Batch: 101375	Sample Preparation: 2013-05-09	Prepared By: AH
Prep Batch: 85917		

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	1	<0.00100	mg/L	1	0.00100
Toluene	u	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	u	1	<0.00100	mg/L	1	0.00100
Xylene	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)			0.0996	mg/L	1	0.100	100	70 - 130

Sample: 328545 - MW-12

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-05-14	Analyzed By: AH
QC Batch: 101375	Sample Preparation: 2013-05-09	Prepared By: AH
Prep Batch: 85917		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0961	mg/L	1	0.100	96	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0955	mg/L	1	0.100	96	70 - 130

Sample: 328546 - MW-17

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-05-15	Analyzed By: AH
QC Batch: 101437	Sample Preparation: 2013-05-15	Prepared By: AH
Prep Batch: 85958		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0906	mg/L	1	0.100	91	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0893	mg/L	1	0.100	89	70 - 130

Sample: 328547 - MW-13

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-05-15	Analyzed By: AH
QC Batch: 101437	Sample Preparation: 2013-05-15	Prepared By: AH
Prep Batch: 85958		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0988	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0983	mg/L	1	0.100	98	70 - 130

Sample: 328548 - MW-15

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-05-15	Analyzed By: AH
QC Batch: 101437	Sample Preparation: 2013-05-15	Prepared By: AH
Prep Batch: 85958		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0997	mg/L	1	0.100	100	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0969	mg/L	1	0.100	97	70 - 130

Sample: 328549 - MW-14

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-05-15	Analyzed By: AH
QC Batch: 101437	Sample Preparation: 2013-05-15	Prepared By: AH
Prep Batch: 85958		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0918	mg/L	1	0.100	92	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0952	mg/L	1	0.100	95	70 - 130

Sample: 328550 - RW-2

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-05-15	Analyzed By: AH
QC Batch: 101437	Sample Preparation: 2013-05-15	Prepared By: AH
Prep Batch: 85958		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0904	mg/L	1	0.100	90	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0895	mg/L	1	0.100	90	70 - 130

Sample: 328551 - MW-3

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-05-15	Analyzed By: AH
QC Batch: 101437	Sample Preparation: 2013-05-15	Prepared By: AH
Prep Batch: 85958		

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

Surrogate	Flag	Cert	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)			0.0973	mg/L	1	0.100	97	70 - 130

Sample: 328552 - RW-1

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-05-15	Analyzed By: AH
QC Batch: 101437	Sample Preparation: 2013-05-15	Prepared By: AH
Prep Batch: 85958		

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qr, Qs	1	0.0517	mg/L	1	0.00100
Toluene	Qr, Qs, U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qr, Qs, U	1	<0.00100	mg/L	1	0.00100
Xylene	Qr, Qs, U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.104	mg/L	1	0.100	104	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0975	mg/L	1	0.100	98	70 - 130

Method Blanks

Method Blank (1) QC Batch: 101375

QC Batch: 101375 Date Analyzed: 2013-05-14 Analyzed By: AH
 Prep Batch: 85917 QC Preparation: 2013-05-09 Prepared By: AH

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

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)			0.0974	mg/L	1	0.100	97	70 - 130

Method Blank (1) QC Batch: 101437

QC Batch: 101437 Date Analyzed: 2013-05-15 Analyzed By: AH
 Prep Batch: 85958 QC Preparation: 2013-05-15 Prepared By: AH

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

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)			0.0955	mg/L	1	0.100	96	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 101375
 Prep Batch: 85917

Date Analyzed: 2013-05-14
 QC Preparation: 2013-05-09

Analyzed By: AH
 Prepared By: AH

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0945	mg/L	1	0.100	<0.000200	94	70 - 130
Toluene		1	0.0963	mg/L	1	0.100	<0.000300	96	70 - 130
Ethylbenzene		1	0.0947	mg/L	1	0.100	<0.000400	95	70 - 130
Xylene		1	0.278	mg/L	1	0.300	<0.00120	93	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	0.0968	mg/L	1	0.100	<0.000200	97	70 - 130	2	20
Toluene		1	0.0988	mg/L	1	0.100	<0.000300	99	70 - 130	3	20
Ethylbenzene		1	0.0962	mg/L	1	0.100	<0.000400	96	70 - 130	2	20
Xylene		1	0.283	mg/L	1	0.300	<0.00120	94	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	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.101	0.0961	mg/L	1	0.100	101	96	70 - 130
4-Bromofluorobenzene (4-BFB)	0.100	0.0970	mg/L	1	0.100	100	97	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 101437
 Prep Batch: 85958

Date Analyzed: 2013-05-15
 QC Preparation: 2013-05-15

Analyzed By: AH
 Prepared By: AH

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.102	mg/L	1	0.100	<0.000200	102	70 - 130
Toluene		1	0.104	mg/L	1	0.100	<0.000300	104	70 - 130
Ethylbenzene		1	0.103	mg/L	1	0.100	<0.000400	103	70 - 130
Xylene		1	0.306	mg/L	1	0.300	<0.00120	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Benzene		1	0.102	mg/L	1	0.100	<0.000200	102	70 - 130	0	20
Toluene		1	0.106	mg/L	1	0.100	<0.000300	106	70 - 130	2	20
Ethylbenzene		1	0.106	mg/L	1	0.100	<0.000400	106	70 - 130	3	20
Xylene		1	0.309	mg/L	1	0.300	<0.00120	103	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	0.100	0.0999	mg/L	1	0.100	100	100	70 - 130

Matrix Spike (MS-1) Spiked Sample: 327993

QC Batch: 101375
Prep Batch: 85917

Date Analyzed: 2013-05-14
QC Preparation: 2013-05-09

Analyzed By: AH
Prepared By: AH

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Benzene		1	0.0991	mg/L	1	0.100	<0.000200	99	70 - 130
Toluene		1	0.0998	mg/L	1	0.100	<0.000300	100	70 - 130
Ethylbenzene		1	0.0956	mg/L	1	0.100	<0.000400	96	70 - 130
Xylene		1	0.280	mg/L	1	0.300	<0.00120	93	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 Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Benzene		1	0.104	mg/L	1	0.100	<0.000200	104	70 - 130	5	20
Toluene		1	0.107	mg/L	1	0.100	<0.000300	107	70 - 130	7	20
Ethylbenzene		1	0.104	mg/L	1	0.100	<0.000400	104	70 - 130	8	20
Xylene		1	0.301	mg/L	1	0.300	<0.00120	100	70 - 130	7	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
4-Bromofluorobenzene (4-BFB)	0.102	0.0961	mg/L	1	0.1	102	96	70 - 130

Matrix Spike (MS-1) Spiked Sample: 328546

QC Batch: 101437
 Prep Batch: 85958

Date Analyzed: 2013-05-15
 QC Preparation: 2013-05-15

Analyzed By: AH
 Prepared By: AH

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	¹ Qs	Qs	1	0.0130	mg/L	1	0.100	<0.000200	13	70 - 130
Toluene	Qs	Qs	1	0.0143	mg/L	1	0.100	<0.000300	14	70 - 130
Ethylbenzene	Qs	Qs	1	0.0191	mg/L	1	0.100	<0.000400	19	70 - 130
Xylene	Qs	Qs	1	0.0568	mg/L	1	0.300	<0.00120	19	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	² Qr,Qs	Qr,Qs	1	0.0247	mg/L	1	0.100	<0.000200	25	70 - 130	62	20
Toluene	Qr,Qs	Qr,Qs	1	0.0256	mg/L	1	0.100	<0.000300	26	70 - 130	57	20
Ethylbenzene	Qr,Qs	Qr,Qs	1	0.0280	mg/L	1	0.100	<0.000400	28	70 - 130	38	20
Xylene	Qr,Qs	Qr,Qs	1	0.0828	mg/L	1	0.300	<0.00120	28	70 - 130	37	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)	0.0949	0.0938	mg/L	1	0.1	95	94	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0945	0.0941	mg/L	1	0.1	94	94	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 101375

Date Analyzed: 2013-05-14

Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0964	96	80 - 120	2013-05-14
Toluene		1	mg/L	0.100	0.0991	99	80 - 120	2013-05-14
Ethylbenzene		1	mg/L	0.100	0.0970	97	80 - 120	2013-05-14
Xylene		1	mg/L	0.300	0.285	95	80 - 120	2013-05-14

Standard (CCV-2)

QC Batch: 101375

Date Analyzed: 2013-05-14

Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.100	100	80 - 120	2013-05-14
Toluene		1	mg/L	0.100	0.103	103	80 - 120	2013-05-14
Ethylbenzene		1	mg/L	0.100	0.102	102	80 - 120	2013-05-14
Xylene		1	mg/L	0.300	0.298	99	80 - 120	2013-05-14

Standard (CCV-3)

QC Batch: 101375

Date Analyzed: 2013-05-14

Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.103	103	80 - 120	2013-05-14
Toluene		1	mg/L	0.100	0.106	106	80 - 120	2013-05-14
Ethylbenzene		1	mg/L	0.100	0.103	103	80 - 120	2013-05-14
Xylene		1	mg/L	0.300	0.303	101	80 - 120	2013-05-14

Standard (CCV-1)

QC Batch: 101437

Date Analyzed: 2013-05-15

Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0970	97	80 - 120	2013-05-15
Toluene		1	mg/L	0.100	0.0996	100	80 - 120	2013-05-15
Ethylbenzene		1	mg/L	0.100	0.0989	99	80 - 120	2013-05-15
Xylene		1	mg/L	0.300	0.291	97	80 - 120	2013-05-15

Standard (CCV-2)

QC Batch: 101437

Date Analyzed: 2013-05-15

Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0971	97	80 - 120	2013-05-15
Toluene		1	mg/L	0.100	0.100	100	80 - 120	2013-05-15
Ethylbenzene		1	mg/L	0.100	0.0994	99	80 - 120	2013-05-15
Xylene		1	mg/L	0.300	0.292	97	80 - 120	2013-05-15

Standard (CCV-3)

QC Batch: 101437

Date Analyzed: 2013-05-15

Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.100	100	80 - 120	2013-05-15
Toluene		1	mg/L	0.100	0.102	102	80 - 120	2013-05-15
Ethylbenzene		1	mg/L	0.100	0.102	102	80 - 120	2013-05-15
Xylene		1	mg/L	0.300	0.298	99	80 - 120	2013-05-15

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	T104704392-12-4	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 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

Result Comments

- 1 Prep error, LCS LCSD within range show spikes to be under control.
- 2 Prep error, LCS LCSD within range show spikes to be under control.

Attachments

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: **Nova**
Phone #: **432-520-7720**

Address: **(Street, City, Zip)
2057 Commerce Drive**
Fax #:

Contact Person: **Camille Bryant**
E-mail:

Invoice to:

Project #: **TVM-HDO-40-23**
Project Name: **HDO**

Project Location (including state): **new Mexico**
Sampler Signature: *[Signature]*

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD					SAMPLING		TIME	Turn Around Time if different from standard	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE			DATE
328543	MW-9	3	6A	X				X			X			5/8/13	200	
544	MW-5	3												311		
545	MW-12	3												334		
546	MW-17	3												242		
547	MW-13	3												320		
548	MW-15	3												216		
549	MW-14	3												256		
550	RW-2	3												145		
551	MW-3	3												108		
552	RW-1	3												126		

ANALYSIS REQUEST

(Circle or Specify Method No.)

<input type="checkbox"/>	TPH 418.1 / TX1005 / TX1005 Ex(C35)
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC
<input type="checkbox"/>	PAH 8270 / 625
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260 / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270 / 625
<input type="checkbox"/>	PCB's 8082 / 608
<input type="checkbox"/>	Pesticides 8081 / 608
<input type="checkbox"/>	BOD, TSS, pH
<input type="checkbox"/>	Moisture Content
<input type="checkbox"/>	Cl, F, SO ₄ , NO ₃ -N, NO ₂ -N, PO ₄ -P, Alkalinity
<input type="checkbox"/>	Na, Ca, Mg, K, TDS, EC

REMARKS: *Midland. all*

LAB USE ONLY

Relinquished by: *John Flores* Company: *Nova* Date: *5/9/13* Time: *856*

Relinquished by: *[Signature]* Company: *TA* Date: *5/9/13* Time: *856*

Relinquished by: _____ Company: _____ Date: _____ Time: _____

INST: *17* OBS: _____ COR: _____

INST: _____ OBS: _____ COR: _____

INST: _____ OBS: _____ COR: _____

Received by: _____ Company: _____ Date: _____ Time: _____

Received by: _____ Company: _____ Date: _____ Time: _____

Received by: _____ Company: _____ Date: _____ Time: _____

Imaging: Headspace: Log-in-Review:

Dry Weight Basis Required: TRRP Report Required: Check if Special Reporting Limits Are Needed:

Carrier: *[Signature]*

Summary Report

Camille Bryant
 Nova Safety & Environmental
 2057 Commerce St.
 Midland, TX 79703

Report Date: May 16, 2013

Work Order: 13051006



Project Location: New Mexico
 Project Name: HDO
 SRS #: TNM-HDO-90-23

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
328901	MW-4	water	2013-05-09	16:45	2013-05-10

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
328901 - MW-4	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs



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 5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
 (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

Camille Bryant
 Nova Safety & Environmental
 2057 Commerce St.
 Midland, TX, 79703

Report Date: May 16, 2013

Work Order: 13051006



Project Location: New Mexico
 Project Name: HDO
 Project Number: TNM-HDO-90-23
 SRS #: 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
328901	MW-4	water	2013-05-09	16:45	2013-05-10

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

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

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

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Case Narrative

Samples for project HDO were received by TraceAnalysis, Inc. on 2013-05-10 and assigned to work order 13051006. Samples for work order 13051006 were received intact without headspace and at a temperature of 3.1 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	85958	2013-05-15 at 11:00	101437	2013-05-15 at 11:00

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 13051006 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: 328901 - MW-4

Laboratory: Midland
Analysis: BTEX
QC Batch: 101437
Prep Batch: 85958

Analytical Method: S 8021B
Date Analyzed: 2013-05-15
Sample Preparation: 2013-05-15

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

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0976	mg/L	1	0.100	98	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0953	mg/L	1	0.100	95	70 - 130

Method Blanks

Method Blank (1) QC Batch: 101437

QC Batch: 101437
Prep Batch: 85958

Date Analyzed: 2013-05-15
QC Preparation: 2013-05-15

Analyzed By: AH
Prepared By: AH

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

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)			0.0955	mg/L	1	0.100	96	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 101437
 Prep Batch: 85958

Date Analyzed: 2013-05-15
 QC Preparation: 2013-05-15

Analyzed By: AH
 Prepared By: AH

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.102	mg/L	1	0.100	<0.000200	102	70 - 130
Toluene		1	0.104	mg/L	1	0.100	<0.000300	104	70 - 130
Ethylbenzene		1	0.103	mg/L	1	0.100	<0.000400	103	70 - 130
Xylene		1	0.306	mg/L	1	0.300	<0.00120	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	0.102	mg/L	1	0.100	<0.000200	102	70 - 130	0	20
Toluene		1	0.106	mg/L	1	0.100	<0.000300	106	70 - 130	2	20
Ethylbenzene		1	0.106	mg/L	1	0.100	<0.000400	106	70 - 130	3	20
Xylene		1	0.309	mg/L	1	0.300	<0.00120	103	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0998	0.0995	mg/L	1	0.100	100	100	70 - 130
4-Bromofluorobenzene (4-BFB)	0.100	0.0999	mg/L	1	0.100	100	100	70 - 130

Matrix Spike (MS-1) Spiked Sample: 328546

QC Batch: 101437
 Prep Batch: 85958

Date Analyzed: 2013-05-15
 QC Preparation: 2013-05-15

Analyzed By: AH
 Prepared By: AH

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1 ^{Qs}	Qs	0.0130	mg/L	1	0.100	<0.000200	13	70 - 130
Toluene	Qs	Qs	0.0143	mg/L	1	0.100	<0.000300	14	70 - 130
Ethylbenzene	Qs	Qs	0.0191	mg/L	1	0.100	<0.000400	19	70 - 130
Xylene	Qs	Qs	0.0568	mg/L	1	0.300	<0.00120	19	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 Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit	
			Result	Units								
Benzene	² Qr,Qs	Qr,Qs	1	0.0247	mg/L	1	0.100	<0.000200	25	70 - 130	62	20
Toluene	Qr,Qs	Qr,Qs	1	0.0256	mg/L	1	0.100	<0.000300	26	70 - 130	57	20
Ethylbenzene	Qr,Qs	Qr,Qs	1	0.0280	mg/L	1	0.100	<0.000400	28	70 - 130	38	20
Xylene	Qr,Qs	Qr,Qs	1	0.0828	mg/L	1	0.300	<0.00120	28	70 - 130	37	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
4-Bromofluorobenzene (4-BFB)	0.0945	0.0941	mg/L	1	0.1	94	94	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 101437

Date Analyzed: 2013-05-15

Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0970	97	80 - 120	2013-05-15
Toluene		1	mg/L	0.100	0.0996	100	80 - 120	2013-05-15
Ethylbenzene		1	mg/L	0.100	0.0989	99	80 - 120	2013-05-15
Xylene		1	mg/L	0.300	0.291	97	80 - 120	2013-05-15

Standard (CCV-2)

QC Batch: 101437

Date Analyzed: 2013-05-15

Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0971	97	80 - 120	2013-05-15
Toluene		1	mg/L	0.100	0.100	100	80 - 120	2013-05-15
Ethylbenzene		1	mg/L	0.100	0.0994	99	80 - 120	2013-05-15
Xylene		1	mg/L	0.300	0.292	97	80 - 120	2013-05-15

Standard (CCV-3)

QC Batch: 101437

Date Analyzed: 2013-05-15

Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.100	100	80 - 120	2013-05-15
Toluene		1	mg/L	0.100	0.102	102	80 - 120	2013-05-15
Ethylbenzene		1	mg/L	0.100	0.102	102	80 - 120	2013-05-15
Xylene		1	mg/L	0.300	0.298	99	80 - 120	2013-05-15

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	T104704392-12-4	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 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

Result Comments

- 1 Prep error, LCS LCSD within range show spikes to be under control.
- 2 Prep error, LCS LCSD within range show spikes to be under control.

Attachments

The scanned attachments will follow this page.

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

Summary Report

Camille Bryant
 Nova Safety & Environmental
 2057 Commerce St.
 Midland, TX 79703

Report Date: August 8, 2013

Work Order: 13080208



Project Location: New Mexico
 Project Name: HDO
 SRS #: TNM-HDO-90-23

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
337375	MW 12	water	2013-08-01	11:39	2013-08-02
337376	MW 13	water	2013-08-01	12:08	2013-08-02
337377	MW 14	water	2013-08-01	12:30	2013-08-02
337378	MW 15	water	2013-08-01	12:54	2013-08-02
337379	MW 17	water	2013-08-01	13:25	2013-08-02
337380	MW 3	water	2013-08-01	13:49	2013-08-02
337381	RW 2	water	2013-08-01	14:09	2013-08-02
337382	RW 1	water	2013-08-01	14:27	2013-08-02

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
337375 - MW 12	<0.00100	<0.00100	<0.00100	<0.00100
337376 - MW 13	<0.00100	<0.00100	<0.00100	<0.00100
337377 - MW 14	<0.00100	<0.00100	<0.00100	<0.00100
337378 - MW 15	<0.00100	<0.00100	<0.00100	<0.00100
337379 - MW 17	<0.00100	<0.00100	<0.00100	<0.00100
337380 - MW 3	<0.00100	<0.00100	<0.00100	<0.00100
337381 - RW 2	<0.00100 ¹	<0.00100	<0.00100	<0.00100
337382 - RW 1	<0.00100 ²	<0.00100	<0.00100	<0.00100

¹pH >2.

²pH >2.



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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

Camille Bryant
 Nova Safety & Environmental
 2057 Commerce St.
 Midland, TX, 79703

Report Date: August 8, 2013

Work Order: 13080208



Project Location: New Mexico
 Project Name: HDO
 Project Number: TNM-HDO-90-23
 SRS #: 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
337375	MW 12	water	2013-08-01	11:39	2013-08-02
337376	MW 13	water	2013-08-01	12:08	2013-08-02
337377	MW 14	water	2013-08-01	12:30	2013-08-02
337378	MW 15	water	2013-08-01	12:54	2013-08-02
337379	MW 17	water	2013-08-01	13:25	2013-08-02
337380	MW 3	water	2013-08-01	13:49	2013-08-02
337381	RW 2	water	2013-08-01	14:09	2013-08-02
337382	RW 1	water	2013-08-01	14:27	2013-08-02

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

This report consists of a total of 14 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

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

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Case Narrative

Samples for project HDO were received by TraceAnalysis, Inc. on 2013-08-02 and assigned to work order 13080208. Samples for work order 13080208 were received intact without headspace and at a temperature of 3.5 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	87952	2013-08-07 at 16:30	103804	2013-08-08 at 09:39

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 13080208 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: 337375 - MW 12

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-08-08	Analyzed By: KC
QC Batch: 103804	Sample Preparation: 2013-08-07	Prepared By: KC
Prep Batch: 87952		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0988	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0987	mg/L	1	0.100	99	70 - 130

Sample: 337376 - MW 13

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-08-08	Analyzed By: KC
QC Batch: 103804	Sample Preparation: 2013-08-07	Prepared By: KC
Prep Batch: 87952		

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	1	<0.00100	mg/L	1	0.00100
Toluene	u	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	u	1	<0.00100	mg/L	1	0.00100
Xylene	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)			0.104	mg/L	1	0.100	104	70 - 130

Sample: 337377 - MW 14

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-08-08	Analyzed By: KC
QC Batch: 103804	Sample Preparation: 2013-08-07	Prepared By: KC
Prep Batch: 87952		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0932	mg/L	1	0.100	93	70 - 130
4-Bromofluorobenzene (4-BFB)			0.103	mg/L	1	0.100	103	70 - 130

Sample: 337378 - MW 15

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-08-08	Analyzed By: KC
QC Batch: 103804	Sample Preparation: 2013-08-07	Prepared By: KC
Prep Batch: 87952		

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

Surrogate	Flag	Cert	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)			0.0984	mg/L	1	0.100	98	70 - 130

Sample: 337379 - MW 17

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-08-08	Analyzed By: KC
QC Batch: 103804	Sample Preparation: 2013-08-07	Prepared By: KC
Prep Batch: 87952		

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

Surrogate	Flag	Cert	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)			0.102	mg/L	1	0.100	102	70 - 130

Sample: 337380 - MW 3

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-08-08	Analyzed By: KC
QC Batch: 103804	Sample Preparation: 2013-08-07	Prepared By: KC
Prep Batch: 87952		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0956	mg/L	1	0.100	96	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0989	mg/L	1	0.100	99	70 - 130

Sample: 337381 - RW 2

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-08-08	Analyzed By: KC
QC Batch: 103804	Sample Preparation: 2013-08-07	Prepared By: KC
Prep Batch: 87952		

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

Surrogate	Flag	Cert	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)			0.0968	mg/L	1	0.100	97	70 - 130

Sample: 337382 - RW 1

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-08-08	Analyzed By: KC
QC Batch: 103804	Sample Preparation: 2013-08-07	Prepared By: KC
Prep Batch: 87952		

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	2	u	1	<0.00100	mg/L	1 0.00100
Toluene	u	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	u	1	<0.00100	mg/L	1	0.00100
Xylene	u	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	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)			0.101	mg/L	1	0.100	101	70 - 130

Method Blanks

Method Blank (1) QC Batch: 103804

QC Batch: 103804
Prep Batch: 87952

Date Analyzed: 2013-08-08
QC Preparation: 2013-08-07

Analyzed By: KC
Prepared By: KC

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	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)			0.0964	mg/L	1	0.100	96	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 103804
 Prep Batch: 87952

Date Analyzed: 2013-08-08
 QC Preparation: 2013-08-07

Analyzed By: KC
 Prepared By: KC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.115	mg/L	1	0.100	<0.000200	115	70 - 130
Toluene		1	0.113	mg/L	1	0.100	<0.000300	113	70 - 130
Ethylbenzene		1	0.113	mg/L	1	0.100	<0.000400	113	70 - 130
Xylene		1	0.341	mg/L	1	0.300	<0.00120	114	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	0.116	mg/L	1	0.100	<0.000200	116	70 - 130	1	20
Toluene		1	0.115	mg/L	1	0.100	<0.000300	115	70 - 130	2	20
Ethylbenzene		1	0.114	mg/L	1	0.100	<0.000400	114	70 - 130	1	20
Xylene		1	0.344	mg/L	1	0.300	<0.00120	115	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0963	0.0989	mg/L	1	0.100	96	99	70 - 130
4-Bromofluorobenzene (4-BFB)	0.103	0.105	mg/L	1	0.100	103	105	70 - 130

Matrix Spike (MS-1) Spiked Sample: 337375

QC Batch: 103804
 Prep Batch: 87952

Date Analyzed: 2013-08-08
 QC Preparation: 2013-08-07

Analyzed By: KC
 Prepared By: KC

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.113	mg/L	1	0.100	<0.000200	113	70 - 130
Toluene		1	0.112	mg/L	1	0.100	<0.000300	112	70 - 130
Ethylbenzene		1	0.111	mg/L	1	0.100	<0.000400	111	70 - 130
Xylene		1	0.331	mg/L	1	0.300	<0.00120	110	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		1	0.113	mg/L	1	0.100	<0.000200	113	70 - 130	0	20
Toluene		1	0.113	mg/L	1	0.100	<0.000300	113	70 - 130	1	20
Ethylbenzene		1	0.112	mg/L	1	0.100	<0.000400	112	70 - 130	1	20
Xylene		1	0.333	mg/L	1	0.300	<0.00120	111	70 - 130	1	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0941	0.0936	mg/L	1	0.1	94	94	70 - 130
4-Bromofluorobenzene (4-BFB)	0.101	0.100	mg/L	1	0.1	101	100	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 103804

Date Analyzed: 2013-08-08

Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.116	116	80 - 120	2013-08-08
Toluene		1	mg/L	0.100	0.114	114	80 - 120	2013-08-08
Ethylbenzene		1	mg/L	0.100	0.114	114	80 - 120	2013-08-08
Xylene		1	mg/L	0.300	0.343	114	80 - 120	2013-08-08

Standard (CCV-2)

QC Batch: 103804

Date Analyzed: 2013-08-08

Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.112	112	80 - 120	2013-08-08
Toluene		1	mg/L	0.100	0.111	111	80 - 120	2013-08-08
Ethylbenzene		1	mg/L	0.100	0.111	111	80 - 120	2013-08-08
Xylene		1	mg/L	0.300	0.332	111	80 - 120	2013-08-08

Standard (CCV-3)

QC Batch: 103804

Date Analyzed: 2013-08-08

Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.112	112	80 - 120	2013-08-08
Toluene		1	mg/L	0.100	0.111	111	80 - 120	2013-08-08
Ethylbenzene		1	mg/L	0.100	0.110	110	80 - 120	2013-08-08
Xylene		1	mg/L	0.300	0.330	110	80 - 120	2013-08-08

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	T104704392-12-4	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 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

Result Comments

- 1 pH >2.
- 2 pH >2.

Attachments

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

Trace Analysis, Inc.

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
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200 East Sunset Rd., Suite E
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1 (888) 588-3443

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

email: lab@traceanalysis.com

Company Name: **NOVA**
 Address: **2057 COMMERCE DRIVE**
 Contact Person: **CAMILLE BRYANT**
 Invoice to: (If different from above)
 Project #: **TNM-HDO-90-23**
 Project Location (including state): **NEW MEXICO**

Phone #: **432 520 7720**
 Fax #: **432 520 7720**
 E-mail:
 Project Name: **HDO**
 Sampler Signature: *[Signature]*

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD					SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
37375	mw 12	3	Vol A	X				X					8/1	1139
376	mw 13													1208
377	mw 14													1230
378	mw 15													1254
379	mw 17													1325
380	mw 3													1349
381	RW 2													1409
382	RW 4													1427
383														
384														

Relinquished by: **JAMES GENTRY NOVA** Company: **NOVA** Date: **8/2/13** Time: **9:11**
 Received by: *[Signature]* Company: **TA** Date: **8/2/13** Time: **9:11**
 INST: **36** OBS: **36** COR: **35**
 INST: **35** OBS: **35** COR: **35**

LAB USE ONLY
 Infect Y/N
 Headspace Y/N
 Log-in-Review

REMARKS: *Mud Lake All*

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

Carrier # *Large*

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	MTBE 8021 / 602 / 8260 / 624
<input type="checkbox"/>	BTEX 8021 / 602 / 8260 / 624
<input type="checkbox"/>	TPH 418.1 / TX1005 / TX1005 Ext(C35)
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC
<input type="checkbox"/>	PAH 8270 / 625
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260 / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270 / 625
<input type="checkbox"/>	PCB's 8082 / 608
<input type="checkbox"/>	Pesticides 8081 / 608
<input type="checkbox"/>	BOD, TSS, pH
<input type="checkbox"/>	Moisture Content
<input type="checkbox"/>	Cl, F, SO ₄ , NO ₃ , N, NO ₂ , N, PO ₄ , P, Alkalinity
<input type="checkbox"/>	Na, Ca, Mg, K, TDS, EC
<input type="checkbox"/>	Turn Around Time if different from standard

Summary Report

Curt Stanley
 Nova Safety & Environmental
 2057 Commerce St.
 Midland, TX 79703

Report Date: November 7, 2013

Work Order: 13110602



Project Location: New Mexico
 Project Name: HDO
 SRS #: TNM-HDO-90-23

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
345855	MW-12	water	2013-11-05	11:30	2013-11-06
345856	MW-13	water	2013-11-05	11:39	2013-11-06
345857	MW-14	water	2013-11-05	11:55	2013-11-06
345858	MW-15	water	2013-11-05	12:30	2013-11-06
345859	MW-16	water	2013-11-05	12:52	2013-11-06
345860	MW-17	water	2013-11-05	13:06	2013-11-06
345861	MW-3	water	2013-11-05	13:27	2013-11-06
345862	MW-4	water	2013-11-05	13:55	2013-11-06
345863	MW-5	water	2013-11-05	14:16	2013-11-06
345864	MW-8	water	2013-11-05	14:37	2013-11-06
345865	MW-9	water	2013-11-05	14:55	2013-11-06
345866	RW-2	water	2013-11-05	15:10	2013-11-06
345867	RW-1	water	2013-11-05	15:25	2013-11-06

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
345855 - MW-12	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
345856 - MW-13	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
345857 - MW-14	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
345858 - MW-15	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
345859 - MW-16	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
345860 - MW-17	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
345861 - MW-3	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
345862 - MW-4	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
345863 - MW-5	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
345864 - MW-8	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
345865 - MW-9	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
345866 - RW-2	0.00880 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs

continued ...

... continued

Sample - Field Code	Benzene	Toluene	BTEX	Ethylbenzene	Xylene
	(mg/L)	(mg/L)		(mg/L)	(mg/L)
345867 - RW-1	0.208 Qs	<0.00100 Qs		0.0266 Qs	0.0166 Qs



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
(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
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: November 7, 2013

Work Order: 13110602



Project Location: New Mexico
Project Name: HDO
Project Number: TNM-HDO-90-23
SRS #: 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
345855	MW-12	water	2013-11-05	11:30	2013-11-06
345856	MW-13	water	2013-11-05	11:39	2013-11-06
345857	MW-14	water	2013-11-05	11:55	2013-11-06
345858	MW-15	water	2013-11-05	12:30	2013-11-06
345859	MW-16	water	2013-11-05	12:52	2013-11-06
345860	MW-17	water	2013-11-05	13:06	2013-11-06
345861	MW-3	water	2013-11-05	13:27	2013-11-06
345862	MW-4	water	2013-11-05	13:55	2013-11-06
345863	MW-5	water	2013-11-05	14:16	2013-11-06
345864	MW-8	water	2013-11-05	14:37	2013-11-06
345865	MW-9	water	2013-11-05	14:55	2013-11-06
345866	RW-2	water	2013-11-05	15:10	2013-11-06
345867	RW-1	water	2013-11-05	15:25	2013-11-06

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

This report consists of a total of 17 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in black ink that reads "Michael Abel". The signature is written in a cursive, slightly slanted style.

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

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Case Narrative

Samples for project HDO were received by TraceAnalysis, Inc. on 2013-11-06 and assigned to work order 13110602. Samples for work order 13110602 were received intact without headspace and at a temperature of 2.8 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	90232	2013-11-06 at 09:36	106590	2013-11-07 at 07:28

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 13110602 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: 345855 - MW-12

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-11-07	Analyzed By: AK
QC Batch: 106590	Sample Preparation: 2013-11-06	Prepared By: AK
Prep Batch: 90232		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.107	mg/L	1	0.100	107	70 - 130
4-Bromofluorobenzene (4-BFB)			0.103	mg/L	1	0.100	103	70 - 130

Sample: 345856 - MW-13

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-11-07	Analyzed By: AK
QC Batch: 106590	Sample Preparation: 2013-11-06	Prepared By: AK
Prep Batch: 90232		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.106	mg/L	1	0.100	106	70 - 130
4-Bromofluorobenzene (4-BFB)			0.104	mg/L	1	0.100	104	70 - 130

Sample: 345857 - MW-14

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-11-07	Analyzed By: AK
QC Batch: 106590	Sample Preparation: 2013-11-06	Prepared By: AK
Prep Batch: 90232		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.106	mg/L	1	0.100	106	70 - 130
4-Bromofluorobenzene (4-BFB)			0.102	mg/L	1	0.100	102	70 - 130

Sample: 345858 - MW-15

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-11-07	Analyzed By: AK
QC Batch: 106590	Sample Preparation: 2013-11-06	Prepared By: AK
Prep Batch: 90232		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.108	mg/L	1	0.100	108	70 - 130
4-Bromofluorobenzene (4-BFB)			0.102	mg/L	1	0.100	102	70 - 130

Sample: 345859 - MW-16

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-11-07	Analyzed By: AK
QC Batch: 106590	Sample Preparation: 2013-11-06	Prepared By: AK
Prep Batch: 90232		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.108	mg/L	1	0.100	108	70 - 130
4-Bromofluorobenzene (4-BFB)			0.105	mg/L	1	0.100	105	70 - 130

Sample: 345860 - MW-17

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-11-07	Analyzed By: AK
QC Batch: 106590	Sample Preparation: 2013-11-06	Prepared By: AK
Prep Batch: 90232		

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qs,U	1	<0.00100	mg/L	1	0.00100
Toluene	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qs,U	1	<0.00100	mg/L	1	0.00100
Xylene	Qs,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: 345861 - MW-3

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-11-07	Analyzed By: AK
QC Batch: 106590	Sample Preparation: 2013-11-06	Prepared By: AK
Prep Batch: 90232		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.104	mg/L	1	0.100	104	70 - 130
4-Bromofluorobenzene (4-BFB)			0.105	mg/L	1	0.100	105	70 - 130

Sample: 345862 - MW-4

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-11-07	Analyzed By: AK
QC Batch: 106590	Sample Preparation: 2013-11-06	Prepared By: AK
Prep Batch: 90232		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.108	mg/L	1	0.100	108	70 - 130
4-Bromofluorobenzene (4-BFB)			0.105	mg/L	1	0.100	105	70 - 130

Sample: 345863 - MW-5

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-11-07	Analyzed By: AK
QC Batch: 106590	Sample Preparation: 2013-11-06	Prepared By: AK
Prep Batch: 90232		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.104	mg/L	1	0.100	104	70 - 130
4-Bromofluorobenzene (4-BFB)			0.103	mg/L	1	0.100	103	70 - 130

Sample: 345864 - MW-8

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-11-07	Analyzed By: AK
QC Batch: 106590	Sample Preparation: 2013-11-06	Prepared By: AK
Prep Batch: 90232		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.110	mg/L	1	0.100	110	70 - 130
4-Bromofluorobenzene (4-BFB)			0.106	mg/L	1	0.100	106	70 - 130

Sample: 345865 - MW-9

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-11-07	Analyzed By: AK
QC Batch: 106590	Sample Preparation: 2013-11-06	Prepared By: AK
Prep Batch: 90232		

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.108	mg/L	1	0.100	108	70 - 130
4-Bromofluorobenzene (4-BFB)			0.105	mg/L	1	0.100	105	70 - 130

Sample: 345866 - RW-2

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-11-07	Analyzed By: AK
QC Batch: 106590	Sample Preparation: 2013-11-06	Prepared By: AK
Prep Batch: 90232		

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qs	1	0.00880	mg/L	1	0.00100
Toluene	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qs,U	1	<0.00100	mg/L	1	0.00100
Xylene	Qs,U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.104	mg/L	1	0.100	104	70 - 130
4-Bromofluorobenzene (4-BFB)			0.101	mg/L	1	0.100	101	70 - 130

Sample: 345867 - RW-1

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5030B
Analysis: BTEX	Date Analyzed: 2013-11-07	Analyzed By: AK
QC Batch: 106590	Sample Preparation: 2013-11-06	Prepared By: AK
Prep Batch: 90232		

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qs	1	0.208	mg/L	1	0.00100
Toluene	Qs	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qs	1	0.0266	mg/L	1	0.00100
Xylene	Qs	1	0.0166	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)			0.113	mg/L	1	0.100	113	70 - 130

Method Blanks

Method Blank (1) QC Batch: 106590

QC Batch: 106590
Prep Batch: 90232

Date Analyzed: 2013-11-07
QC Preparation: 2013-11-06

Analyzed By: AK
Prepared By: AK

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0982	mg/L	1	0.100	98	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0987	mg/L	1	0.100	99	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 106590
 Prep Batch: 90232

Date Analyzed: 2013-11-07
 QC Preparation: 2013-11-06

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	<0.000200	102	70 - 130
Toluene		1	0.100	mg/L	1	0.100	<0.000300	100	70 - 130
Ethylbenzene		1	0.0976	mg/L	1	0.100	<0.000400	98	70 - 130
Xylene		1	0.296	mg/L	1	0.300	<0.00120	99	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	0.104	mg/L	1	0.100	<0.000200	104	70 - 130	2	20
Toluene		1	0.103	mg/L	1	0.100	<0.000300	103	70 - 130	3	20
Ethylbenzene		1	0.0993	mg/L	1	0.100	<0.000400	99	70 - 130	2	20
Xylene		1	0.300	mg/L	1	0.300	<0.00120	100	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0970	0.0972	mg/L	1	0.100	97	97	70 - 130
4-Bromofluorobenzene (4-BFB)	0.103	0.102	mg/L	1	0.100	103	102	70 - 130

Matrix Spike (MS-1) Spiked Sample: 345409

QC Batch: 106590
 Prep Batch: 90232

Date Analyzed: 2013-11-07
 QC Preparation: 2013-11-06

Analyzed By: AK
 Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	
Benzene	Qs	Qs	1	0.528	mg/L	5	0.100	<0.00100	528	70 - 130
Toluene	Qs	Qs	1	0.511	mg/L	5	0.100	<0.00150	511	70 - 130
Ethylbenzene	Qs	Qs	1	0.472	mg/L	5	0.100	<0.00200	472	70 - 130
Xylene	Qs	Qs	1	1.42	mg/L	5	0.300	<0.00600	473	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	Qs	Qs	1	0.521	mg/L	5	0.100	<0.00100	521	70 - 130	1	20
Toluene	Qs	Qs	1	0.503	mg/L	5	0.100	<0.00150	503	70 - 130	2	20
Ethylbenzene	Qs	Qs	1	0.467	mg/L	5	0.100	<0.00200	467	70 - 130	1	20
Xylene	Qs	Qs	1	1.40	mg/L	5	0.300	<0.00600	467	70 - 130	1	20

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

Surrogate			MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	Qsr	Qsr	0.496	0.479	mg/L	5	0.1	496	479	70 - 130
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	0.508	0.505	mg/L	5	0.1	508	505	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 106590

Date Analyzed: 2013-11-07

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	0.105	105	80 - 120	2013-11-07
Toluene		1	mg/L	0.100	0.104	104	80 - 120	2013-11-07
Ethylbenzene		1	mg/L	0.100	0.101	101	80 - 120	2013-11-07
Xylene		1	mg/L	0.300	0.304	101	80 - 120	2013-11-07

Standard (CCV-2)

QC Batch: 106590

Date Analyzed: 2013-11-07

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	0.105	105	80 - 120	2013-11-07
Toluene		1	mg/L	0.100	0.103	103	80 - 120	2013-11-07
Ethylbenzene		1	mg/L	0.100	0.103	103	80 - 120	2013-11-07
Xylene		1	mg/L	0.300	0.309	103	80 - 120	2013-11-07

Standard (CCV-3)

QC Batch: 106590

Date Analyzed: 2013-11-07

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	0.102	102	80 - 120	2013-11-07
Toluene		1	mg/L	0.100	0.102	102	80 - 120	2013-11-07
Ethylbenzene		1	mg/L	0.100	0.0999	100	80 - 120	2013-11-07
Xylene		1	mg/L	0.300	0.301	100	80 - 120	2013-11-07

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	T104704392-12-4	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 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.

TraceAnalysis, Inc.

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
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Tel (915) 585-3443
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1 (888) 588-3443

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

email: lab@traceanalysis.com

Company Name: Nova Phone #: 432 520 7720
Address: 2051 Commerce Drive Fax #: _____
Contact Person: Kurt Stanley E-mail: _____

Invoice to: _____
(If different from above)
Project #: TNM HDO-90-23 Project Name: HDO
Project Location (including state): NM Sampler Signature: _____

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD					SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
8585	MW-12	3	VOL X	X				X					11/5/13	1130
8586	MW-13	3											11/39	
8587	MW-14	3											1155	
8588	MW-15	3											1230	
8589	MW-16	3											1252	
860	MW-17	3											1306	
861	MW-3	3											1327	
862	MW-4	3											1355	
863	MW-5	3											1416	
864	MW-8	3											1437	
865	MW-9	3											1453	

Relinquished by: John Flores Nova Company: Nova Date: 11/6/13 Time: 8:06
 Received by: [Signature] Company: TA Date: 11/6/13 Time: 8:06
 INST: 29 OBS: 29 COR: 28
 INST: _____ OBS: _____ COR: _____

Relinquished by: _____ Company: _____ Date: _____ Time: _____
 Received by: _____ Company: _____ Date: _____ Time: _____

Relinquished by: _____ Company: _____ Date: _____ Time: _____
 Received by: _____ Company: _____ Date: _____ Time: _____

ANALYSIS REQUEST
(Circle or Specify Method No.)

<input type="checkbox"/>	MTBE 8021 / 602 / 8260 / 624
<input checked="" type="checkbox"/>	ETEX 8021 / 602 / 8260 / 624
<input type="checkbox"/>	TPH 418.1 / TX1005 / TX1005 EX(C35)
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC
<input type="checkbox"/>	PAH 8270 / 625
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260 / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270 / 625
<input type="checkbox"/>	PCB's 8082 / 608
<input type="checkbox"/>	Pesticides 8081 / 608
<input type="checkbox"/>	BOD, TSS, pH
<input type="checkbox"/>	Moisture Content
<input type="checkbox"/>	Cl, F1, S04, NO3, NO2, Alkalinity
<input type="checkbox"/>	Na, Ca, Mg, K, TDS, EC

LAB USE ONLY

Intact: Y / / N
 Headspace: Y / N / NA
 Log-in-Review

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

REMARKS: Maldad - all

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Carrollton, Texas 75006
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email: lab@traceanalysis.com

Company Name: **NOVA** Phone #: **432 520 7720**

Address: **2057 Commerce Drive** Fax #:

Contact Person: **Kurt Stanley** E-mail:

Invoice to: (If different from above)

Project #: **TNm HDO-90-23** Project Name: **HDO**

Project Location (including state): **TNm** Sampler Signature: *[Signature]*

ANALYSIS REQUEST

(Circle or Specify Method No.)

<input type="checkbox"/>	MTBE 8021 / 602 / 8260 / 624	<input type="checkbox"/>	TPH 418.1 / TX1005 / TX1005 Ext(C35)	<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC	<input type="checkbox"/>	PAH 8270 / 625	<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	<input type="checkbox"/>	TCLP Volatiles	<input type="checkbox"/>	TCLP Semi Volatiles	<input type="checkbox"/>	TCLP Pesticides	<input type="checkbox"/>	RCI	<input type="checkbox"/>	GC/MS Vol. 8260 / 624	<input type="checkbox"/>	GC/MS Semi. Vol. 8270 / 625	<input type="checkbox"/>	PCBs 8082 / 608	<input type="checkbox"/>	Pesticides 8081 / 608	<input type="checkbox"/>	BOD, TSS, pH	<input type="checkbox"/>	Moisture Content	<input type="checkbox"/>	Cl, FI, S04, NO3, NO2, Alkalinity	<input type="checkbox"/>	Na, Ca, Mg, K, TDS, EC	<input type="checkbox"/>	Turn Around Time if different from standard			
<input type="checkbox"/>		<input checked="" type="checkbox"/>	ATEX 8021 / 602 / 8260 / 624	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>																														
<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>																														

REMARKS:

LAB USE ONLY

Relinquished by: John Flores Nova	Company: Nova	Date: 11/6/13	Time: 8:06	Received by: [Signature]	Company: TA	Date: 11/6/13	Time: 8:00	INST: <input type="checkbox"/>	OBS: <input checked="" type="checkbox"/>	COR: <input type="checkbox"/>
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST: <input type="checkbox"/>	OBS: <input type="checkbox"/>	COR: <input type="checkbox"/>
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST: <input type="checkbox"/>	OBS: <input type="checkbox"/>	COR: <input type="checkbox"/>

Intact Y N

Headspace Y N / NA

Dry Weight Basis Required

TRRP Report Required

Check if Special Reporting Limits Are Needed

Carrier # *[Signature]*