

1R - 455

Annual GW Mon. Report

Year:
2012



PLAINS
ALL AMERICAN

RECEIVED 007
2013 APR -1 A 11:08

March 19, 2013

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

Re: Plains All American – 2012 Annual Monitoring Reports
4 Sites in Lea County, New Mexico

Dear Mr. Hansen:

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

<u>Vacuum to Jal 14" Mainline #3</u>	<u>1R-455</u>	<u>Section 35, T21S, R37E, Lea County</u>
<u>Vacuum to Jal 14" Mainline #5</u>	<u>1R-0464</u>	<u>Section 2, T22S, R37E, Lea County</u>
<u>DS Hugh</u>	<u>1R-0463</u>	<u>Section 26, T21S, R37E, Lea County</u>
<u>Hugh Gathering</u>	<u>AP-0041</u>	<u>Section 11, T21S, R37E, Lea County</u>

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

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

Sincerely,

Jason Henry
Remediation Coordinator
Plains All American

CC: Geoff Lelking, NMOCD, Hobbs, NM

Enclosures

**2012 ANNUAL GROUNDWATER
MONITORING REPORT
VACUUM TO JAL 14" MAINLINE #3
LEA COUNTY, NEW MEXICO
UL-A, SECTION 35, T21S, R37E
NMOCD NO.: 1R-455
PLAINS SRS NO.: 2003-00117**

PREPARED FOR



PLAINS
PIPELINE, L.P.

333 CLAY STREET, SUITE 1600
HOUSTON, TEXAS 77002

PREPARED BY
ENTECH CONSULTING CORPORATION
21 WATERWAY AVE., SUITE 300
THE WOODLANDS, TEXAS 77380
281.362.2714
PROJECT NO. PAA12014

MARCH 2013



CHAN PATEL
SENIOR PROJECT MANAGER



KATHLEEN BUXTON, P.G.
SENIOR PROJECT MANAGER

TABLE OF CONTENTS

1.0	INTRODUCTION AND OBJECTIVES	1
1.1	Objectives and Site Background	1
1.2	Previous Remedial Responses and Environmental Investigations	1
1.3	Regulatory Framework	2
1.4	Limitations	2
2.0	GROUNDWATER ASSESSMENT AND RESULTS	3
2.1	Groundwater Monitoring Methodology	3
2.2	Groundwater Gauging	3
2.3	Groundwater Gradient and Flow Direction	4
2.4	Groundwater Analytical Results	4
2.5	Groundwater Waste Disposal	5
3.0	PSH RECOVERY	6
3.1	PSH Recovery Methodology	6
3.2	PSH Recovery via Pumping and Manual Bailing	6
3.3	PSH Recovery via MDPE	7
3.4	PSH Waste Disposal	7
4.0	MONITORED NATURAL ATTENUATION	8
4.1	Regulatory Framework for Monitored Natural Attenuation	8
4.2	Plume Stability and Monitored Natural Attenuation	8
5.0	FINDINGS	10

FIGURES

Figure 1	Site Location Map
Figure 2	Site Layout Map
Figure 3A	1st Quarter 2012 – Groundwater Gradient Map, February 23, 2012
Figure 3B	2nd Quarter 2012 – Groundwater Gradient Map, May 23, 2012
Figure 3C	3rd Quarter 2012 – Groundwater Gradient Map, September 12, 2012
Figure 3D	4th Quarter 2012 – Groundwater Gradient Map, November 19, 2012
Figure 4A	1st Quarter 2012 – Groundwater Analytical Map, February 23, 2012
Figure 4B	2nd Quarter 2012 – Groundwater Analytical Map, May 23, 2012
Figure 4C	3rd Quarter 2012 – Groundwater Analytical Map, September 12, 2012
Figure 4D	4th Quarter 2012 – Groundwater Analytical Map, November 19, 2012
Figure 5	2008 – Benzene Isopleth Map

- Figure 6 2009 – Benzene Isopleth Map
Figure 7 2010 – Benzene Isopleth Map
Figure 8 2011 – Benzene Isopleth Map
Figure 9 2012 – Benzene Isopleth Map

TABLES

- Table 1 2012 Well Survey Data and Groundwater Elevations
Table 2 Historical Well Survey Data and Groundwater Elevations
Table 3 2012 Groundwater Analytical Results
Table 4 Historical Groundwater Analytical Results
Table 5 Groundwater Analytical Results for Polynuclear Aromatic Hydrocarbons (PAHs) from wells with PSH/Sheen
Table 6 2012 Monthly PSH and Dissolved Phase Groundwater Recovery Data

Appendix A 2012 Laboratory Analytical Data and Chain of Custody Documentation

1.0 INTRODUCTION AND OBJECTIVES

1.1 Objectives and Site Background

On May 8, 2003, a 14-inch steel pipeline at the EOTT Energy LLC (EOTT) Vacuum to Jal 14" Mainline # 3 Site (Vac to Jal #3, Site), SRS No. 2003-00117 released approximately three barrels of crude oil into the subsurface. The pipeline is currently owned by Plains Pipeline, L.P. (Plains). The site is located in unit letter A, NE¼ of the NE¼, Section 35, Township 21S, Range 37E, or more specifically at latitude 32°26'32.67" N and longitude 103°07'36.885" W in Lea County, New Mexico (Figure 1). The release was apparently caused by internal corrosion and the pipeline was repaired and a New Mexico Oil Conservation Division (NMOCD) Release Notification Form C-141 was submitted.

This report summarizes the weekly groundwater gauging activities, quarterly groundwater monitoring activities, and PSH recovery efforts that took place during 2012.

1.2 Previous Remedial Responses and Environmental Investigations

The previous environmental consultant for the site was EarthCon Consultants, Inc (EarthCon); as of July 1, 2012 EnTech Consulting Corporation (EnTech) was retained by Plains for consulting services for the site. Even though the environmental consultant for the site has changed, the same personnel were retained to complete work for the site.

The release was below the reportable quantity and was not initially reported to the NMOCD. The release was first investigated by Environmental Plus, Inc. (EPI) on May 23, 2003. Information was then reported to the NMOCD through the Release Notification Form C-141. The irregularly-shaped, spill-impacted area was approximately 566 square feet, according to Mr. Pat McCasland with Environmental Plus, Inc. (EPI). As part of the initial remediation activities, affected soil was removed and stockpiled on site in June 2003. A total of 676 cubic yards of stockpiled soil was then transported to the Lea Station Land Farm for treatment, as reported on the NMOCD Form C-138 in April 2004 by EPI.

EarthCon Consultants, Inc. (EarthCon; formerly Premier Environmental Services, Inc.) continued to investigate the hydrocarbon impact on soil and groundwater. The results of the 2005 soil and groundwater investigations are detailed in a March 2006 Site Investigation and Annual Report, which was submitted to the NMOCD on behalf of Plains. During 2006, the affected area was further assessed and groundwater monitoring continued on a quarterly basis.

In May 2006, a Soil Remediation Plan was submitted to the NMOCD to address soil impacts at the site. Objectives of this risk-based Soil Remediation Plan were to isolate and control chemicals of concern (COCs) in the soil and to prevent further impact to groundwater. The Soil Remediation Plan was approved by the NMOCD in a correspondence dated June 1, 2006 to Plains.

In October 2006, excavation of impacted soil was completed in accordance with the *Soil Remediation Plan* to satisfy soil remediation goals and meet regulatory requirements. The

excavation footprint and monitor well locations are shown on **Figure 2**. Details of soil remediation activities can be found in the *December 2006 Soil Closure Report* prepared by EarthCon and submitted to the NMOCD.

Groundwater activities at the site continued in 2010 with the installation of two recovery wells and one additional monitoring well. Quarterly groundwater sampling has continued at the site along with weekly phase separated hydrocarbon (PSH) recovery.

This report summarized the activities conducted in 2012 for groundwater sampling, analysis and PSH recovery activities.

1.3 Regulatory Framework

Based on standards outlined in New Mexico Administrative Code (NMAC), Title 20, Chapter 6, Part 2, the remediation criteria for groundwater at the site are as follows:

Chemical of Concern	Limit (mg/L)
Benzene	0.01
Ethylbenzene	0.75
Total Xylenes	0.62
PAHs ^(1,2)	0.03
Benzo-a-pyrene ⁽²⁾	0.0007

1 – PAHs: Total naphthalenes plus monomethylnaphthalenes

2 – PAH remediation standards will be used as target concentrations only upon PSH removal.

In addition to using the above values as the target cleanup goals for COC concentrations in groundwater at the site, PSH removal is also an integral part of ongoing remediation activities.

1.4 Limitations

EnTech has examined and relied upon the file information provided by Plains and their contractors, and conversations with Plains personnel and their contractors familiar with the site in question. EnTech has not conducted an independent examination of the information contained in external project files or that provided by Plains or their contract personnel. Furthermore, we assume the genuineness of the documents reviewed and that the information provided in these documents and during the interviews of Plains and contract personnel are true and accurate. EnTech has prepared this report using the level of care and professionalism in the industry for similar projects under similar conditions. EnTech will not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this report was prepared. EnTech believes the conclusions stated herein are factual, but no guarantee is made or implied.

2.0 GROUNDWATER ASSESSMENT AND RESULTS

2.1 Groundwater Monitoring Methodology

Activities conducted at the site in 2012 primarily consisted of gauging wells for groundwater levels, determining the presence or absence of PSH, recovery of product using Mobil Dual Phase Extraction (MDPE) and recovering PSH using absorbent socks, hand bailing, and submersible pumps in monitor wells. Groundwater sampling of wells not exhibiting PSH was also completed to evaluate the extent of the dissolved-phase hydrocarbon plume.

Measurements of the depth to groundwater and product thickness in wells with hydrocarbon sheen or PSH were completed during the weekly PSH recovery and groundwater sampling events. Eight groundwater monitor wells (MW-1 through MW-8) and five recovery wells (RW-1 through RW-5) were gauged using an oil/water interface probe. The well locations are shown on **Figure 2**.

Groundwater level elevations and the presence of PSH, if any, were noted for each well. In cases where no measurable PSH was detected by the interface probe, the downhole sensor of the probe was examined for the presence of PSH upon removal from the well. Five recovery wells RW-1, RW-2, RW-3, RW-4, and RW-5 and one monitor well MW-1 contained a measurable PSH thickness or hydrocarbon sheen during 2012 and were sampled annually. Starting in the second quarter of 2008 all recovery and monitor wells with PSH or sheen were required to be sampled annually and groundwater samples were analyzed for BTEX and PAHs to meet NMOCD requirements in the second quarter of 2012. Based on the review of the 2010 Annual Groundwater Monitoring Report, the NMOCD requested that any monitor wells which had a COC which exceeded NMOCD standards be sampled for PAHs. To meet this requirement an additional groundwater samples were collected during the second quarter of 2012 from monitor wells MW-3 and MW-8 will be sampled during the second quarter of 2013 for PAHs due to historical exceedances during the 2nd quarter of 2012.

Groundwater monitor wells not exhibiting PSH or hydrocarbon sheen were gauged monthly and sampled quarterly. After collecting and recording groundwater level, each well was purged with a clean electric submersible pump or hand bailed using a clean disposable bailer, and then groundwater samples were collected using a new dedicated disposable bailer.

Groundwater samples were poured directly from the disposable bailers into the appropriate laboratory-supplied sample containers. The sample containers were then packaged to prevent breakage, placed on ice in a cooler, and shipped to ALS Environmental of Houston, Texas for analysis. The groundwater samples were analyzed for BTEX by EPA Method SW 846-8021B and PAHs by EPA Method SW 8270.

2.2 Groundwater Gauging

Table 1 summarizes groundwater gauging (elevation and PSH thickness) measurements taken before each quarterly groundwater sampling event in 2012. In addition, weekly groundwater elevation and PSH thickness measurements were recorded prior to and after PSH recovery and

monthly measurements were taken from wells without PSH. Groundwater elevations and PSH thickness measurements were taken in one monitor well (MW-1) and five recovery wells (RW-1 through RW-5) during PSH recovery efforts. Groundwater elevation measurements were recorded monthly for seven monitor wells without PSH or hydrocarbon sheen (MW-2 through MW-8 with the exception of March, June and August as these wells were not gauged). Complete historical groundwater elevation and PSH thickness measurements since September 14, 2005 are presented in **Table 2**. The groundwater elevation calculations are based on the top of PVC well casing elevations, which were last surveyed on March 15, 2005 by EarthCon, the previous consultant.

2.3 Groundwater Gradient and Flow Direction

Using the groundwater gauging data summarized in **Table 1**, groundwater gradient maps were prepared and are included as **Figures 3A** through **3D**. The calculated groundwater gradient and estimated groundwater flow direction are based on the gauging data obtained on February 23, May 23, September 12, and November 19, 2012. The hydraulic gradient in 2012 ranged from 0.0044 to 0.0052 feet/feet (ft/ft), based on groundwater elevations measured between monitor wells MW-4 and MW-6. The groundwater flow direction was consistently to the east.

2.4 Groundwater Analytical Results

Groundwater samples were collected on February 23, May 23, September 12, and November 19 during 2012 from all wells that did not contain PSH (see **Table 3**). The monitor wells were purged by removing a minimum of three to five well volumes of groundwater, or depending on groundwater conditions, bailed dry three times using a disposable bailer and allowed to recover to at least 80% of the initial volume before collecting samples. Groundwater samples were collected and transferred into laboratory-supplied sample containers. The sample containers were placed on ice in a cooler and shipped to ALS Laboratory Group (ALS), in Houston, Texas for analysis. Groundwater samples were analyzed for BTEX using EPA Method SW-846 8021B.

Groundwater samples were collected in the second quarter from monitor well MW-1 and recovery wells RW-1 through RW-5 due to the presence of PSH and analyzed for BTEX and PAHs by EPA Method SW 8270, based on the request of the NMOCD to collect samples from wells with exceedances from the previous year. MW-1, MW-3, MW-8 and recovery wells RW-1 through RW-5 exceeded the NMOCD criteria for benzene during the second quarter. Analytical results reported for the groundwater samples collected at four wells (MW-4 through MW-7) displayed BTEX constituent concentrations below laboratory MDLs for all four quarters. Monitor well MW-2 exhibited concentrations of constituents above laboratory MDLs, but below NMOCD remediation criteria for all four quarters of groundwater monitoring.

The 2012 analytical results are presented in **Table 3**, and historical analytical results are presented in **Table 4**. **Table 2.1** below summarizes the BTEX concentrations in which NMOCD Remediation Criteria exceedances were observed in 2012. BTEX concentrations reported in exceedance of NMOCD standards are marked in **bold**.

Table 2.1				
2012 COC Detected Concentrations (mg/L)				
	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
	Benzene	Benzene	Benzene	Benzene
TRRC Remediation Criteria (mg/L)	0.01	0.01	0.01	0.01
MW-1	NS	2.2	NS	NS
MW-3	0.0024	0.022	0.0014	0.00051 J
MW-8	0.0011	0.030	<0.001	<0.001
RW-1	NS	0.084	NS	NS
RW-2	NS	0.020	NS	NS
RW-3	NS	0.89	NS	NS
RW-4	NS	0.060	NS	NS
RW-5	NS	0.017	NS	NS

Note: Concentrations in **bold** indicate exceedances of TRRC Remediation criteria.

J – Estimated. The analyte was detected and identified and associated numerical value is the approximate concentration of the analyte in the sample.

NS – Not sampled due to PSH sheen or a visible PSH sheen.

Historical analytical results are presented in **Table 4**. Laboratory analytical reports are provided in **Appendix A**. The groundwater analytical data and PSH thickness data for each quarterly sampling event are presented in **Figures 4A** through **4D**.

A copy of the laboratory analytical data package is included in **Appendix A**.

2.5 Groundwater Waste Disposal

Purge water from well sampling at wells MW-1 through MW-8 and recovery wells RW-1 through RW-5 is placed in the 1100-gallon above ground storage tank. These liquids are vacuumed from the tank and transported offsite disposal by Key Energy Services of Hobbs, New Mexico.

3.0 PSH RECOVERY

3.1 PSH Recovery Methodology

In addition to collecting groundwater samples, EnTech performed weekly visits to the site to gauge and periodically recover PSH from six wells with PSH/sheen (wells MW-1, RW-1, RW-2, RW-3, RW-4, and RW-5). Measurements to PSH and water levels were recorded during each site visit (see **Table 2**). PSH recovery activities were completed on a weekly basis using submersible pumps, hand bailer and/or absorbent socks. Routine weekly PSH recovery activities typically consisted of the removal of 10 to 20 gallons of groundwater from three of the above referenced well, with possible dissolved phase hydrocarbons and less than 1 gallon of PSH.

Two Mobile Dual Phase Extraction (MDPE) events were conducted at the site during 2012. MDPE is a remediation technique where vacuum is applied to the subsurface through existing monitor and recovery wells. This vacuum simultaneously removes vapors and fluids (groundwater and PSH) from the subsurface.

3.2 PSH Recovery via Pumping and Manual Bailing

During 2012, measurable PSH was observed in monitor well MW-1 and recovery wells RW-1 through RW-5. Monthly recovery data for PSH and dissolved phase groundwater are presented in **Table 6**.

A general decreasing trend in the PSH thickness in monitor well MW-1 was observed starting in early 2008. A thin PSH thickness was observed through most of 2012, with the maximum thickness of PSH reaching 0.17 ft.

PSH thicknesses in recovery well RW-1 indicated an increasing during the third and fourth quarters of 2008, however, a general decreasing trend was observed beginning 2009 and continued through the first two quarters of 2012. The maximum thickness in RW-1 during 2012 was observed to be 1.48 ft which occurred during the third and fourth quarters of 2012, possible a result of an increase in the depth to groundwater across the site.

The PSH thickness observed in recovery well RW-2 indicated an increase during the third and fourth quarters of 2012. A measurable thickness of 0.21 ft was observed during the third and fourth quarters of 2012 as part of the increasing depth to groundwater observed at the site.

The PSH thickness in recovery well RW-3 has been reduced to a small measurable thickness, sheen, or no detection at all, during the first half of 2012. An increase in product thickness was observed in the second half of 2012 as part of increasing depth to groundwater observed at the site. The maximum measurable thickness was observed in July 2012 with a thickness of 0.91 ft.

The PSH thickness observed in recovery well RW-4 indicated an increase during the third and fourth quarters of 2012. A maximum measurable thickness of 0.51 ft. was observed during the fourth quarters of 2012 as part of the increasing depth to groundwater observed at the site.

The PSH thickness observed in recovery well RW-5 indicated an increase during the third and fourth quarters of 2012. A measurable thickness of 2.56 ft. was observed during fourth quarters of 2012 as part of the increasing depth to groundwater observed at the site.

3.3 PSH Recovery via MDPE

PSH recovery via MDPE was conducted at the site during 2012 by Plains consultant Talon, LPE (Talon). MDPE events were conducted in February and November 2012 for duration of 12-hours for each event.

MDPE removes multiple phases of hydrocarbons (liquid, dissolved, absorbed and vapor phase) simultaneously by extracting liquids, vapors, and contaminated groundwater from multiple monitor and recovery wells. This is completed with a truck-mounted vacuum and liquid handling system integrated with a mobile hydrocarbon vapor treatment system. High vacuum is applied to multiple wells with down hole apparatuses to control the fluid elevation in each well. Therefore, the vacuum forcefully induces contaminant liquids and vapors to be simultaneously pulled into the extraction wells from the vadose zone, capillary fringe, and the saturated zone. Extracted contaminant liquids are collected in a designated tank at the site. Volatile vapor emissions are treated by the integrated vapor destruction systems. Fluids from the MDPE events were disposed of separately by Talon and stored in separate tanks at the facility.

During the February 2012 MDPE event, 1,108 gallons of total fluids were removed during the event, with 57 gallons of vapor PSH removed and 3 gallons of fluid PSH. In November 2012, a second event MDPE event was conducted at the site. 2,025 gallons of total fluids were removed during the November event, of which 40.78 gallons were vapor and 284 gallons of PSH.

3.4 PSH Waste Disposal

Approximately 40 gallons of PSH and 1350 gallons total of affected groundwater were recovered from the wells containing PSH or sheen during 2012 as part of weekly PSH recovery. These liquids are vacuumed from the tank and transported offsite disposal by Key Energy Services of Hobbs, New Mexico.

4.0 MONITORED NATURAL ATTENUATION

4.1 Regulatory Framework for Monitored Natural Attenuation

Monitored Natural Attenuation (MNA) is defined by the New Mexico Environmental Department in 20.5.13 NMAC as "a methodology for remediation that relies upon a variety of naturally occurring chemical, physical and biological processes to achieve target concentrations in a manner that is equally as protective of public health, safety and welfare, and the environment as other methods and that is accompanied by a program of monitoring to document the process and results of the above mentioned processes."

As part of the MNA process several lines of evidence need to be evaluated, the general lines of evidence are listed below:

- **Primary Lines of Evidence (PLOE).** Relies on use of historical groundwater data that demonstrate a clear trend of stable or decreasing COC concentrations over time and with distance away from the source at appropriate monitoring or sampling points.
- **Secondary Lines of Evidence (SLOE).** Uses geochemical indicators to document certain geochemical signatures or "footprints" in the groundwater that demonstrated (indirectly) the type of natural attenuation process(es) occurring at the affected property and the destruction of COCs; or uses distance-based/time-based/biodegradation rate calculations to demonstrate attenuation.
- **Other Lines of Evidence (OLOE).** Most often consists of predictive modeling studies and other lab/field studies that demonstrate an understanding of the natural attenuation process(es) occurring at the affected property and their effectiveness in controlling Protective Concentration Level Exceedance (PCLE) zone migration and decreasing COC concentrations.

4.2 Plume Stability and Monitored Natural Attenuation

Vac to Jal #3 site is currently undergoing Plume Stability Analysis. While samples are collected for monitored natural attenuation, insufficient data exists at this time to perform a reliable evaluation.

The dissolved phase plume was evaluated by analyzing groundwater samples collected quarterly from seven monitor wells which did not contain PSH. Benzene was detected above the NMOCD remediation criteria during at least one sampling event in 2012 in monitor wells MW-1, MW-3 and MW-8 and recovery wells RW-1, RW-2, RW-3, RW-4, and RW-5. Benzene concentrations in groundwater samples collected from monitor well MW-2 and MW-3 appear to be generally decreasing from maximum concentrations observed in 2008. The groundwater samples collected from the remaining wells on site reported benzene, toluene, ethylbenzene and total xylenes (BTEX) constituent concentrations either below the NMOCD remediation criteria or below the laboratory MDLs.

The benzene concentrations reported in the groundwater samples collected from the monitor well MW-8 had a single detection of Benzene above the regulatory limit all other detection were below or close to the laboratory MDL from 2010 to 2012.

Understanding plume stability is an important step in the remedial planning process for a site. For instance, an increasing plume could potentially migrate to human or environmental receptors, whereas a stable or decreasing plume may not pose an imminent threat to human health and the environment. An introduction to plume stability analysis and the basis for the plume evaluation at the site was presented in the 2009 Annual report.

This analysis was conducted in order to understand the overall stability of the benzene plume during 2008, 2009, 2010, 2011, and 2012. This study included the development of benzene concentration isopleths maps, an average of the benzene concentrations reported in the four quarterly groundwater sampling events was used for all the wells with no PSH, specifically monitor wells MW-2 through MW-8. Since the wells with PSH were sampled only during the second quarter groundwater sampling events from 2008 through 2012, the benzene concentrations reported during this sampling event were used in the plume evaluation. The plume characteristics such as the plume area, average concentration, mass, and centers of mass were calculated for each of the benzene plumes using numerical methods.

The benzene isopleths maps for 2008, 2009, 2010, 2011, and 2012 are presented in **Figures 5 through 9** respectively. Previous maps prepared by EarthCon are presented in **Figures 5 through 8**. The analytical data collected for the site used for the plume stability analysis indicated that the benzene plume emanating from the site has a decreasing trend in size and mass while the average concentration of benzene appears to be decreasing as well.

5.0 FINDINGS

Findings and recommendations resulting from 2012 groundwater monitoring at the Vac to Jal 3 site are summarized below.

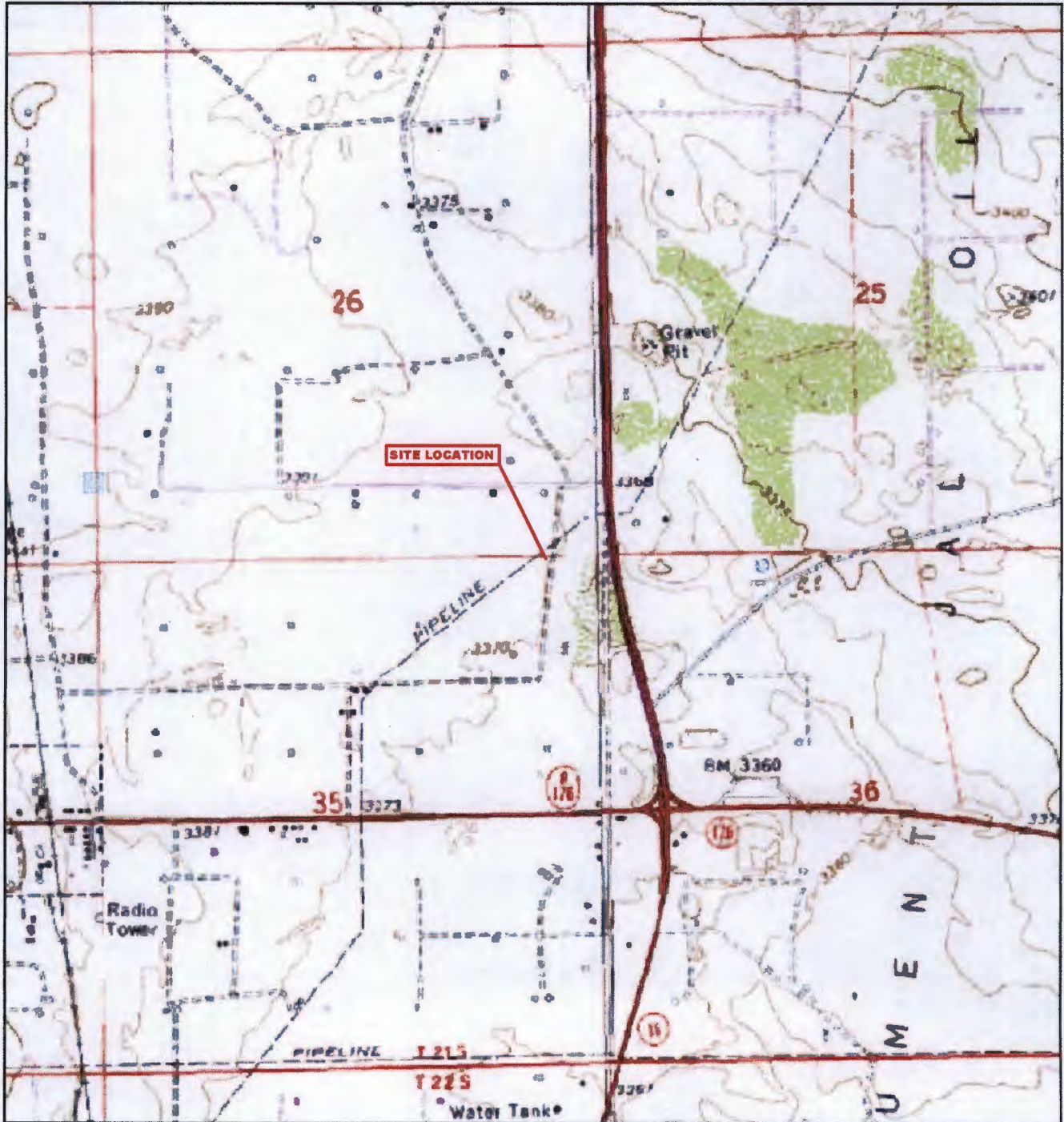
- Groundwater flow in the uppermost groundwater-bearing unit is to the east-southeast ranging from 0.0044 to 0.0052 ft/ft as measured between wells MW-4 and MW-6.
- Analytical results reported for the groundwater samples collected at four wells (MW-4 through MW-7) displayed BTEX constituent concentrations below laboratory MDLs for all four quarters. Monitor well MW-2 exhibited concentrations of constituents above laboratory MDLs, but below NMOCD remediation criteria for all four quarters of groundwater monitoring. MW-1, MW-3, MW-8 and recovery wells RW-1 through RW-5 exceeded the NMOCD criteria for benzene during the second quarter.
- Weekly PSH recovery from wells MW-1, RW-1, RW-2, RW-3, RW-4, and RW-5 continued during 2012, and the volume recovered appears to have significantly diminished during the first part of 2012 with increases observed during the 2nd half of 2012 as the depth to groundwater increased across the site. The estimated quantity of PSH recovered from wells exhibiting PSH during weekly PSH recovery efforts totaled approximately 40 gallons, with groundwater recovery totaling approximately 1350 gallons.
- Two MDPE events were conducted at the site during 2012. During the February 2012 MDPE event, 1,108 gallons of total fluids were removed during the event, with 57 gallons of vapor PSH removed and 3 gallons of fluid PSH. In November 2012, a second event MDPE event was conducted at the site. 2,025 gallons of total fluids were removed during the November event, of which 40.78 gallons were vapor and 284 gallons of PSH.
- The PSH plume has remained in the historical source area, located in the vicinity of well MW-1, and recovery wells RW-1 through RW-5, and does not appear to be migrating downgradient.

Based on PSH recovery data and groundwater sampling completed during 2012 (and previously) at the Vac to Jal 3 site, EnTech recommends the following:

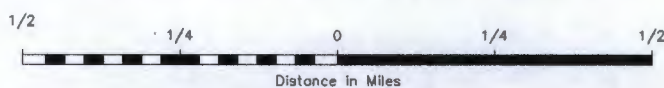
- PSH recovery from wells MW-1, RW-1 through RW-5 continues on a weekly basis.
- Groundwater monitoring continues on a quarterly basis.
- Obtain site access from property owner for installation of additional delineation and recovery system wells

FIGURES

- Figure 1 Site Location Map**
- Figure 2 Site Layout Map**
- Figure 3A 1st Quarter 2011 – Groundwater Gradient Map, March 23, 2012**
- Figure 3B 2nd Quarter 2011 – Groundwater Gradient Map, May 23, 2012**
- Figure 3C 3rd Quarter 2011 – Groundwater Gradient Map, September 12, 2012**
- Figure 3D 4th Quarter 2011 – Groundwater Gradient Map, November 19, 2012**
- Figure 4A 1st Quarter 2011 – Groundwater Analytical Map, March 23, 2012**
- Figure 4B 2nd Quarter 2011 – Groundwater Analytical Map, May 22, 2012**
- Figure 4C 3rd Quarter 2011 – Groundwater Analytical Map, September 12, 2012**
- Figure 4D 4th Quarter 2011 – Groundwater Analytical Map, November 19, 2012**
- Figure 5 2008 – Benzene Isopleth Map**
- Figure 6 2009 – Benzene Isopleth Map**
- Figure 7 2010 – Benzene Isopleth Map**
- Figure 8 2011 – Benzene Isopleth Map**
- Figure 9 2012 – Benzene Isopleth Map**



Eunice Quadrangle
32°26'32.75"N Latitude & 103°07'37.81"W Longitude

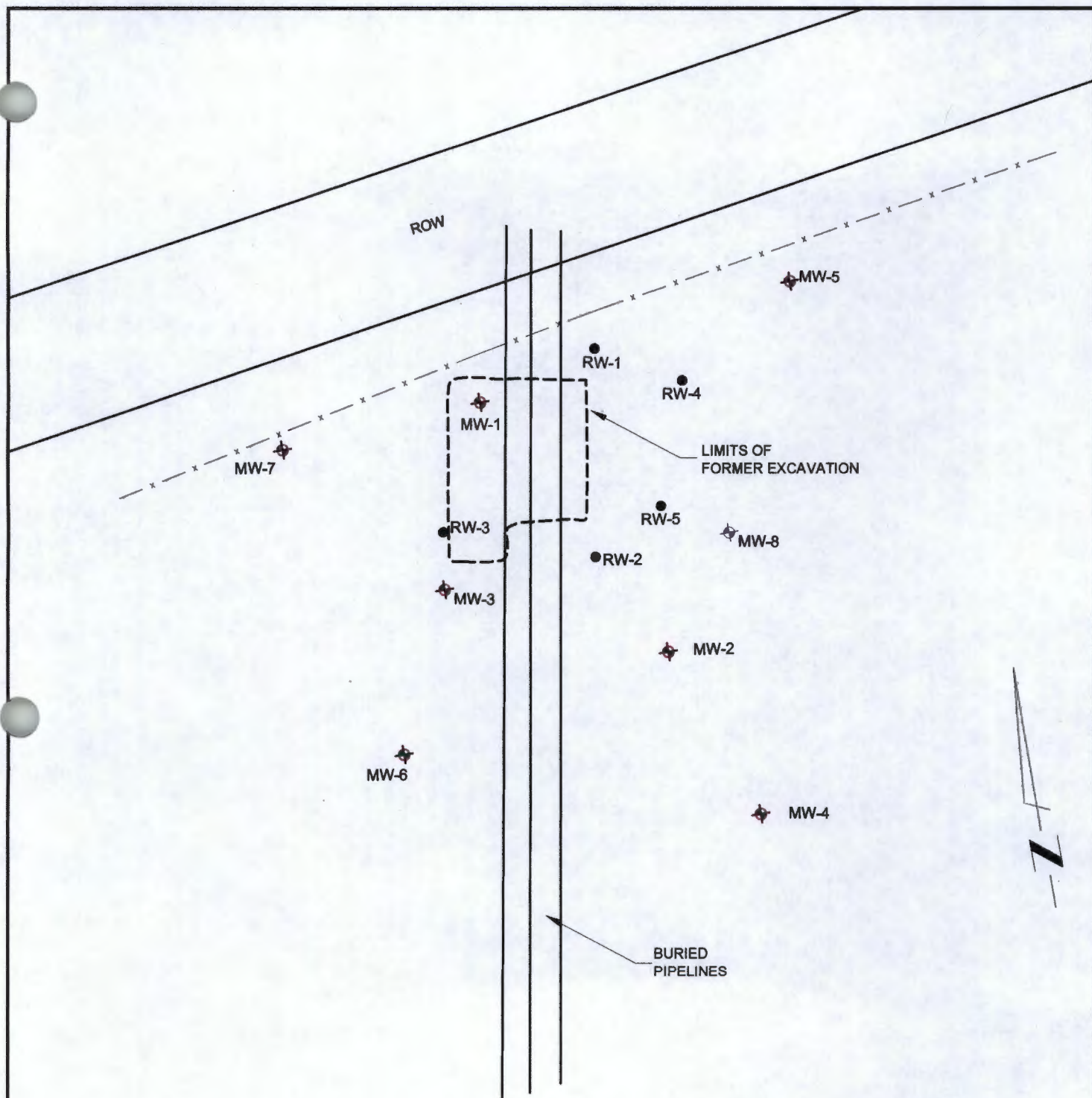


EnTech
 Houston, TX • (281) 362-2714

Figure 1
 Site Location Map
 Vacuum to Jal 14" Mainline #3
 SRS. No.: 2003-00117
 Plains Marketing, L.P.
 Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 10/12



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location

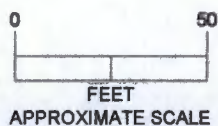
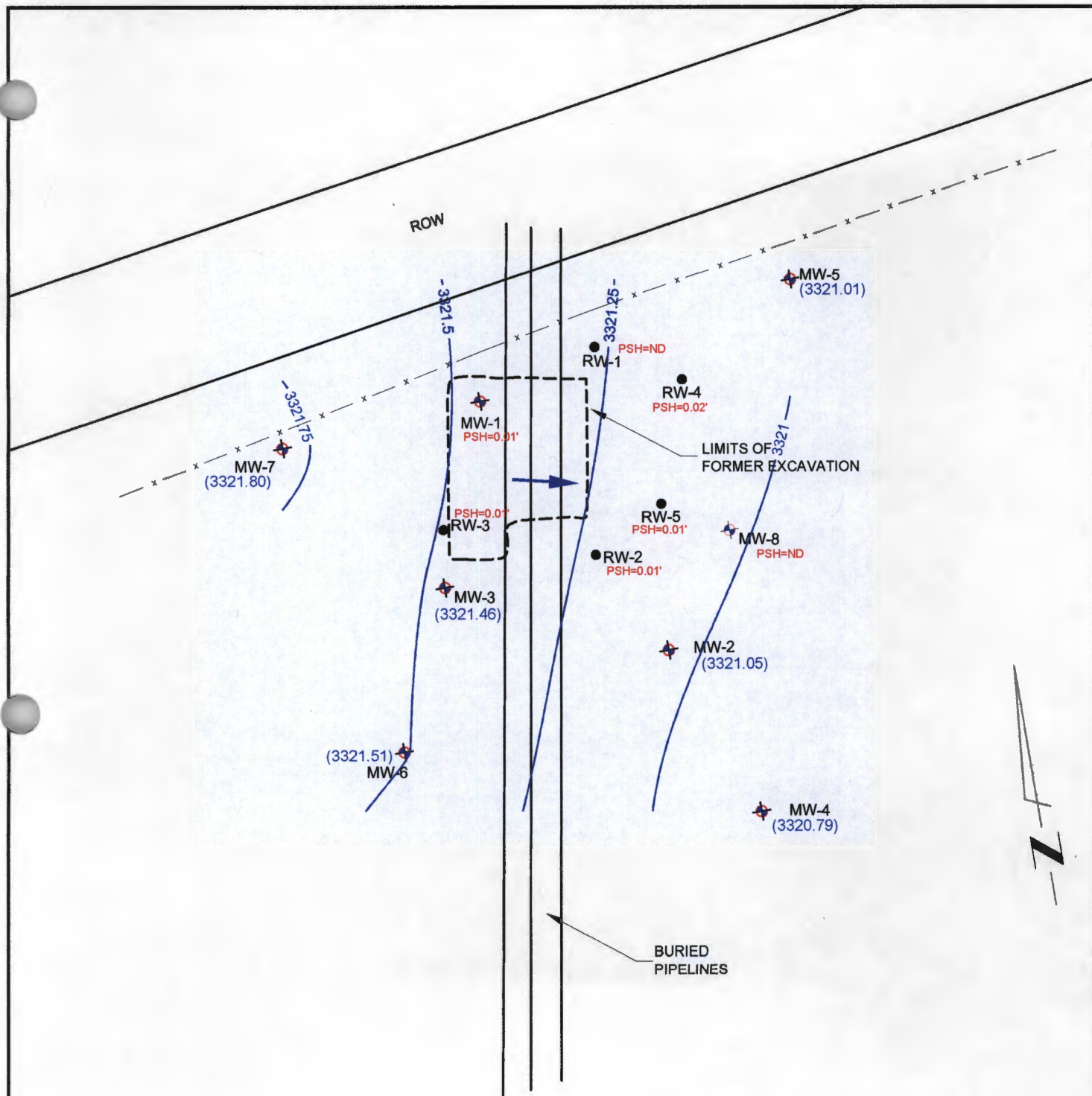


Figure 2
Site Map
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 7/12



LEGEND:

- RW-1 -Recovery Well Location
- ⬮ MW-1 -Monitor Well Location
- 2860.75- - Groundwater Elevation Contour, ft.
Contour Interval = 0.25'
- (2860.46) - Corrected Groundwater Elevation, ft.
- ➡ - Grounwater Flow Direction

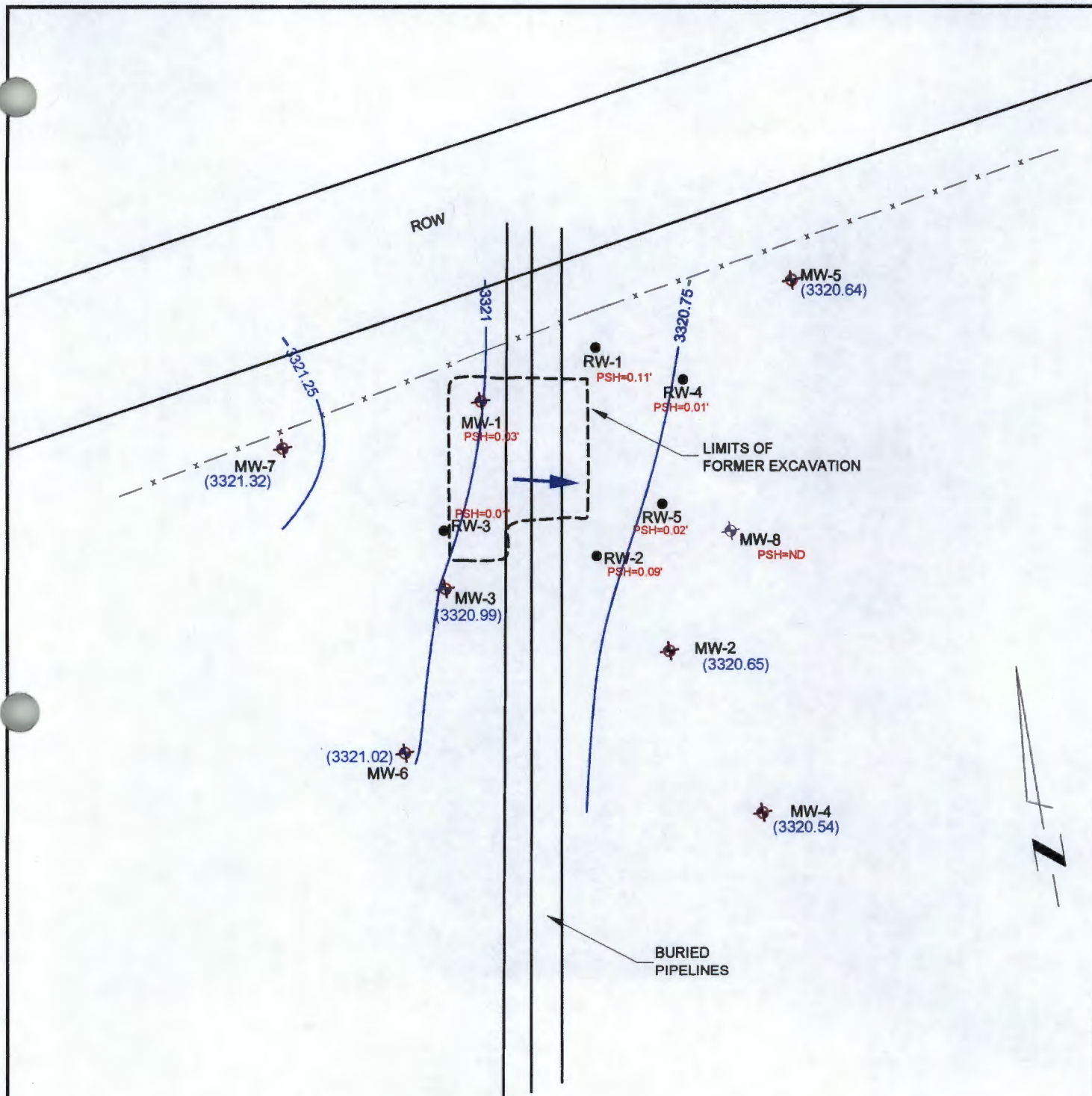
Note: MW-1, MW-8, & RW-1 through RW-5 are not used to prepare the contours.



Figure 3A
1st Quarter 2012 - Groundwater Gradient Map
February 23, 2012
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 3/13



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location
- 2860.75- - Groundwater Elevation Contour, ft.
Contour Interval = 0.25'
- (2860.46) - Corrected Groundwater Elevation, ft.
- ➡ - Grounwater Flow Direction

Note: MW-1, MW-8, & RW-1 through RW-5 are not used to prepare the contours.

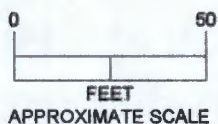
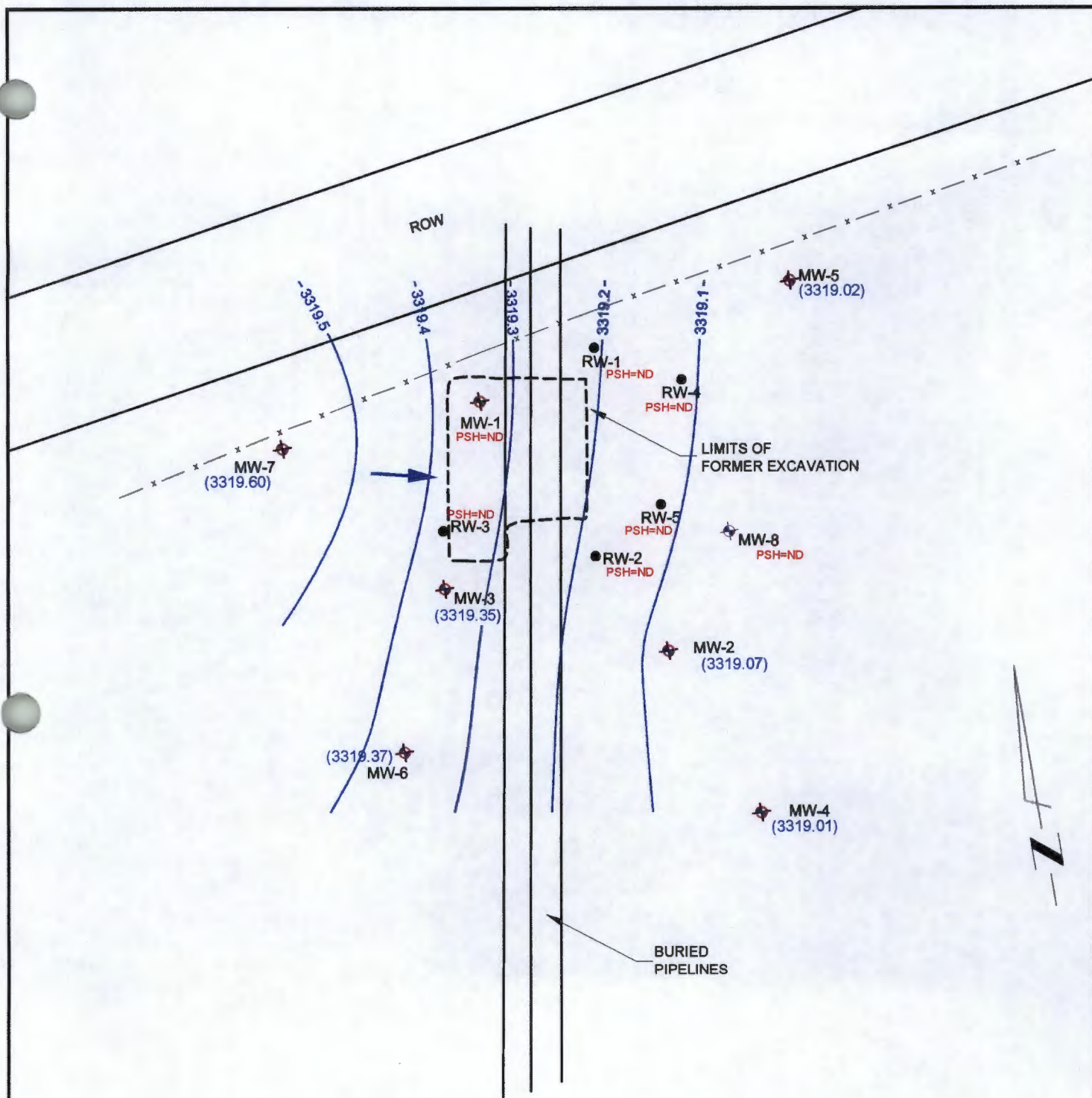


Figure 3B
2nd Quarter 2012 - Groundwater Gradient Map
May 23, 2012
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

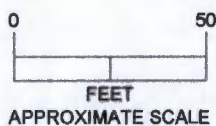
DATE: 3/13



LEGEND:

- RW-1 -Recovery Well Location
- ◆ MW-1 -Monitor Well Location
- 2860.75- - Groundwater Elevation Contour, ft.
Contour Interval = 0.10'
- (2860.46) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

Note: MW-1, MW-8, & RW-1 through RW-5 are not used to prepare the contours.

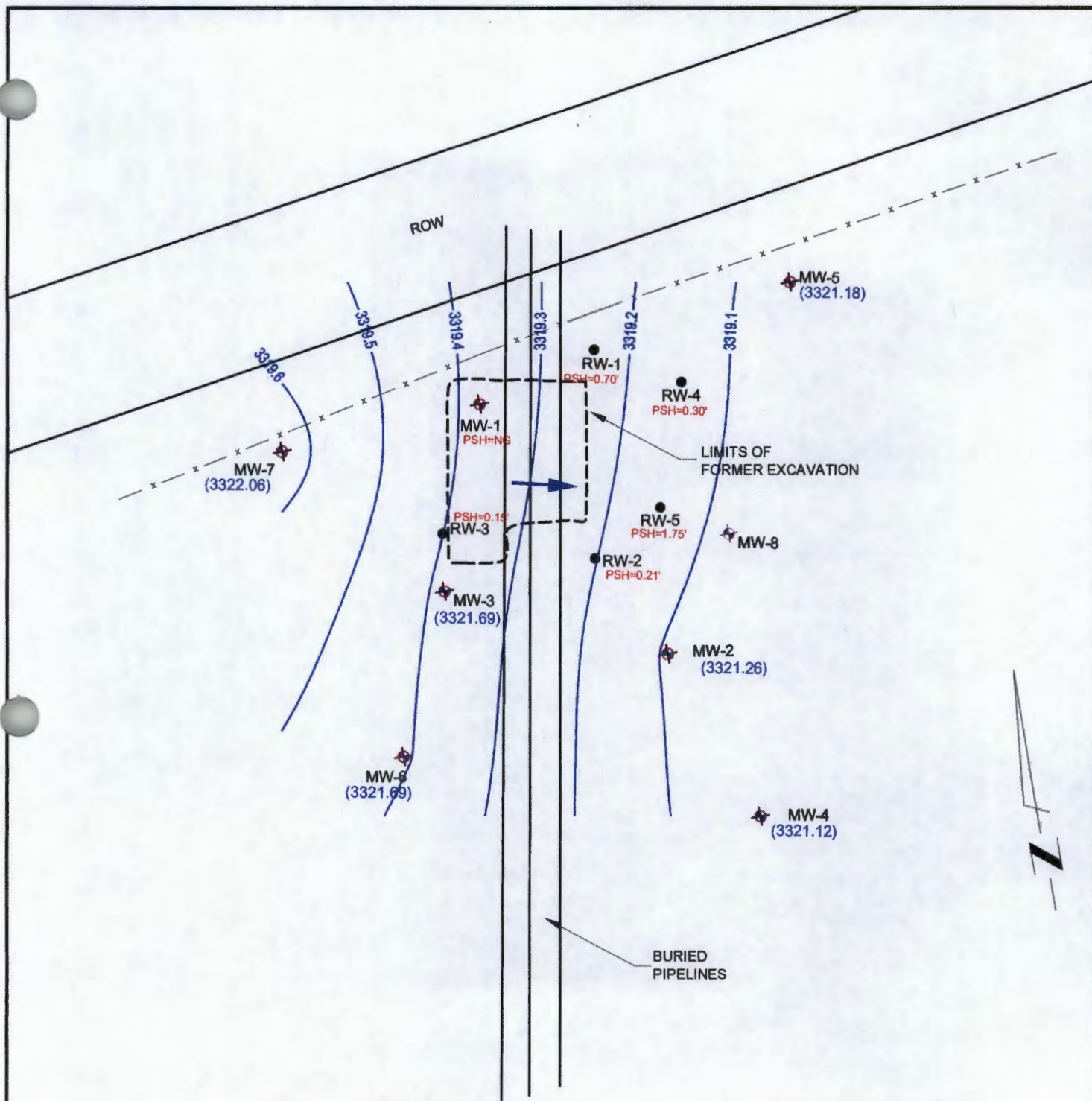


EnTech
Houston, TX • (281) 362-2714

Figure 3C
3rd Quarter 2012 - Groundwater Gradient Map
September 12, 2012
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

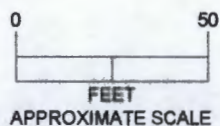
DATE: 3/13



LEGEND:

- RW-1 -Recovery Well Location
- ◆ MW-1 -Monitor Well Location
- 2860.75- - Groundwater Elevation Contour, ft.
Contour Interval = 0.10'
- (2860.46) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

Note: MW-1, MW-8, & RW-1 through RW-5 are not used to prepare the contours.

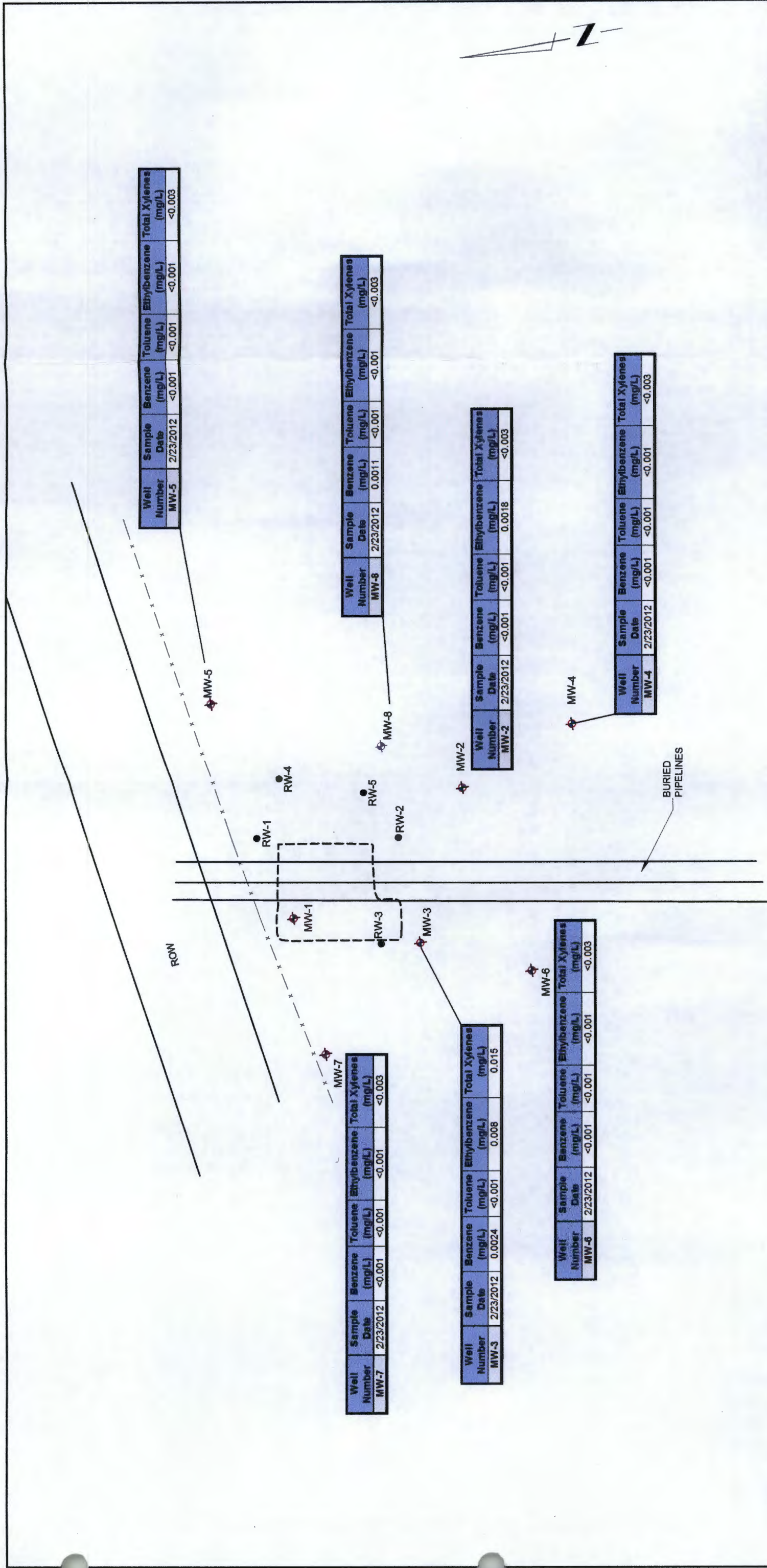


EnTech
Houston, TX • (281) 362-2714

Figure 3D
4th Quarter 2012 - Groundwater Gradient Map
November 19, 2012
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 1/13



Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	2/23/2012	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-8	2/23/2012	0.0011	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	2/23/2012	<0.001	<0.001	0.0018	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	2/23/2012	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	2/23/2012	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	2/23/2012	0.0024	<0.001	0.008	0.015

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	2/23/2012	<0.001	<0.001	<0.001	<0.003

LEGEND:

- RW-1 -Recovery Well Location
- ◆ MW-1 -Monitor Well Location

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
0.01	0.75	0.75	0.62
NM/OCD Remediation Criteria			

Concentrations in **BOLD** exceed the NM/OCD Remediation Criteria for the Site.

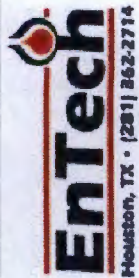


Figure 4A
1st Quarter 2012 Groundwater Analytical Map
February 23, 2012
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014 DATE: 3/13

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-1	5/23/2012	0.084	0.0035	0.039	0.049

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-1	5/22/2012	2.2	<0.020	0.54	0.19

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	5/23/2012	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-3	5/23/2012	0.89	<0.010	0.21	0.26

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	5/23/2012	0.022	0.0031	0.09	0.14

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	5/23/2012	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	5/23/2012	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-4	5/23/2012	0.060	0.0051	0.089	0.19

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-5	5/23/2012	0.017	0.011	0.031	0.033

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-8	5/23/2012	0.030	<0.001	0.0061	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-2	5/23/2012	0.020	0.015	0.081	0.22

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	5/23/2012	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	5/23/2012	<0.001	<0.001	<0.001	<0.003

LEGEND:

- RW-1 - Recovery Well Location
- ◆ MW-1 - Monitor Well Location

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
0.01	0.75	0.75	0.62
NMOCD Remediation Criteria			

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.

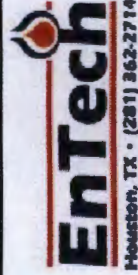
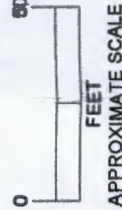
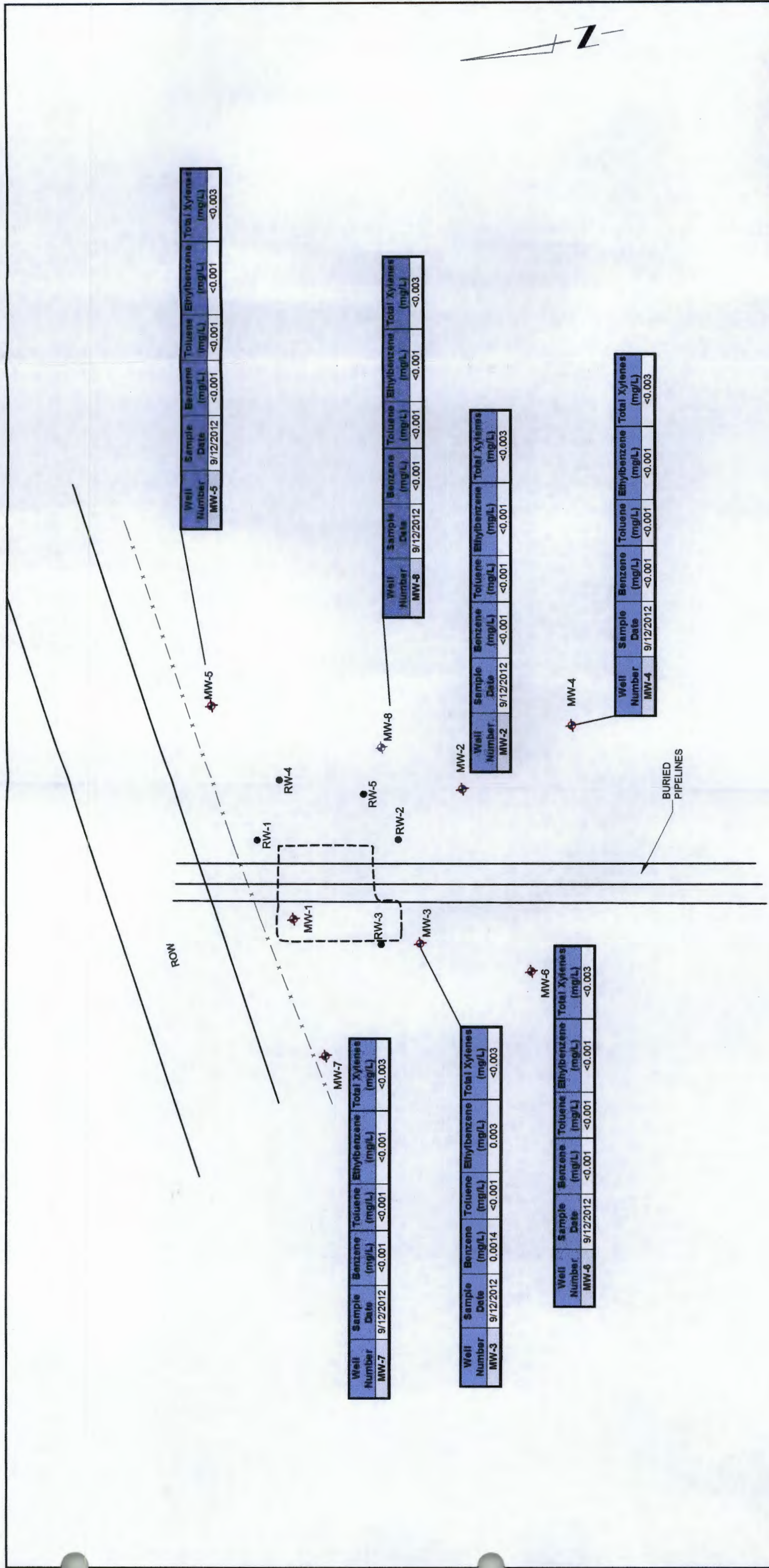


Figure 4B
2nd Quarter 2012 Groundwater Analytical Map
May 23, 2012
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014 DATE: 3/13

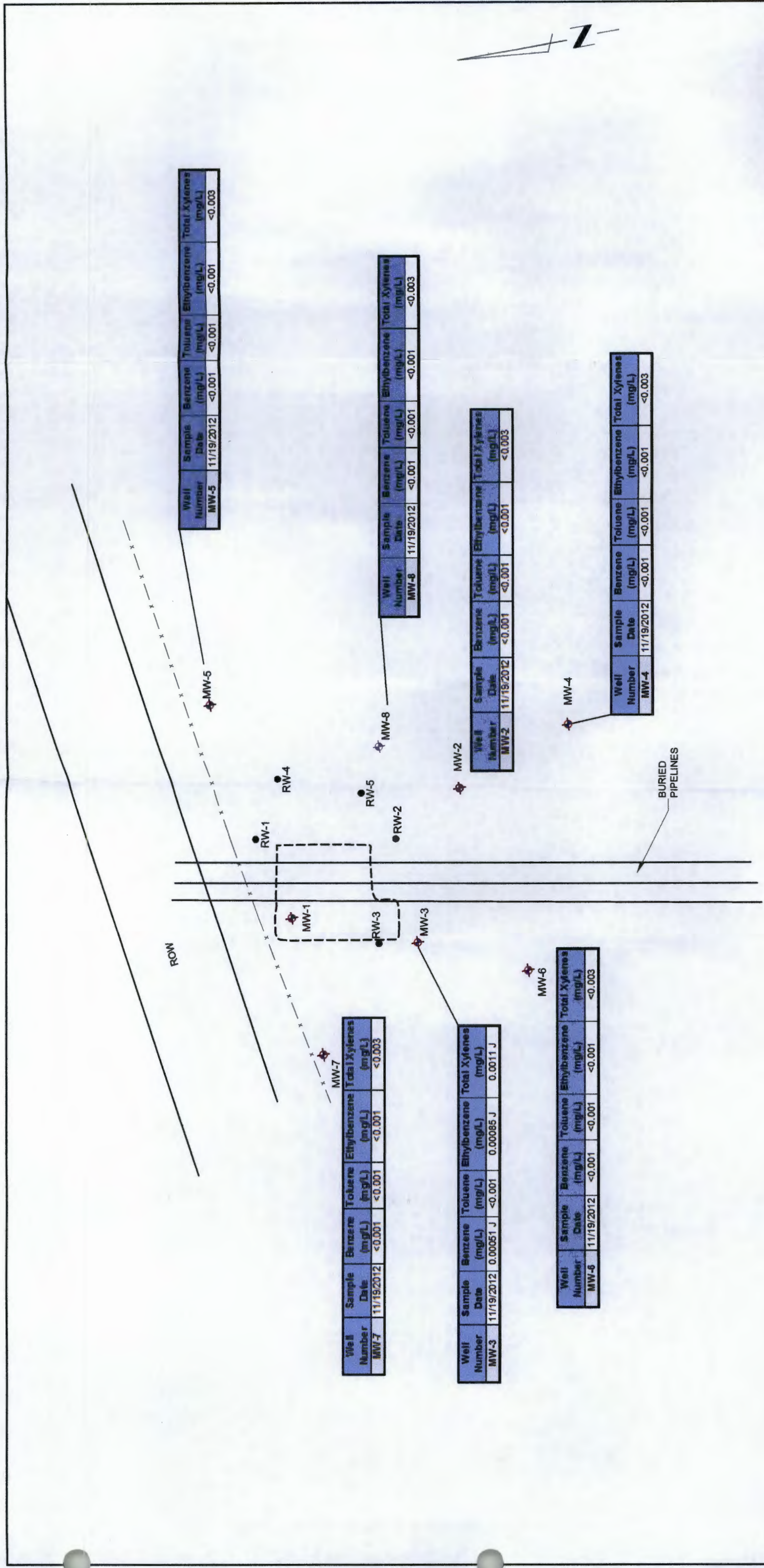




LEGEND:
 ● RW-1 - Recovery Well Location
 ◆ MW-1 - Monitor Well Location

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
0.01	0.75	0.75	0.62

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.



LEGEND:

- RW-1 - Recovery Well Location
- ⊕ MW-1 - Monitor Well Location

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
0.01	0.75	0.75	0.62
NMOCD Remediation Criteria			

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.

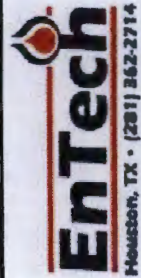


Figure 4D
4th Quarter 2012 Groundwater Analytical Map
November 19, 2012
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014 | DATE: 3/13



Insufficient data to complete contours

ROW

MW-5

[1]

RW-1

[1,200]

RW-4

[NS (797)]

LIMITS OF
FORMER EXCAVATION

MW-1

[4,360]

RW-3

[2,170]

RW-5

[NS (799)]

MW-8

[NS (<1)]

MW-3

[213]

RW-2

[63]

MW-2

[116]

MW-6

[<1]

MW-4

[<1]

BURIED
PIPELINES

Concentration
ug/L

4000

3000

2000

1000

500

250

100

50

25

5

LEGEND:

RW ■ RW - Recovery Wells

MW ● MW - Monitor Wells

⊕ Plume Center of Mass

[2] Benzene Concentration (ug/L)

[NS (803)] Well Not Sampled,
Assumed Concentration (ug/L)

0 FT 50 FT 100 FT

EARTHCON™

Environmental Challenges
BUSINESS SOLUTIONS

Figure 5
2008 - Benzene Isopleth Map
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00 | DN: KMC | DATE: 1/12



Insufficient data to complete contours

ROW

MW-5
[<1]

RW-1
[263]

RW-4
[NS (797)]

LIMITS OF
FORMER EXCAVATION

MW-7
[<1]

MW-1
[3,420]

RW-3
[834]

RW-5
[NS (799)]

MW-8
[NS (<1)]

MW-3
[48]

RW-2
[276]

MW-2
[43]

MW-6
[<1]

MW-4
[<1]

BURIED
PIPELINES

Concentration
ug/L

4000
3000
2000
1000
500
250
100
50
25
5

LEGEND:

RW ■ RW - Recovery Wells

MW ⊕ MW - Monitor Wells

+ Plume Center of Mass

[2] Benzene Concentration (ug/L)

[NS (803)] Well Not Sampled,
Assumed Concentration (ug/L)

0 FT 50 FT 100 FT

EARTHCON

Environmental Challenges
BUSINESS SOLUTIONS

Figure 6
2009 - Benzene Isopleth Map
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00 DN: KMC DATE: 1/12



Insufficient data to complete contours

ROW

MW-5
[<1]

RW-1
[780]

RW-4
[797]

MW-1
[2,800]

LIMITS OF
FORMER EXCAVATION

MW-7
[<1]

RW-3
[480]

RW-5
[799]

MW-8
[<1]

MW-3
[7]

RW-2
[370]

MW-2
[<1]

MW-6
[<1]

MW-4
[<1]

BURIED
PIPELINES

Concentration
ug/L

4000
3000
2000
1000
500
250
100
50
25
5

LEGEND:

RW ■ RW - Recovery Wells

MW ● MW - Monitor Wells

+ Plume Center of Mass

[2] Benzene Concentration (ug/L)

[NS (803)] Well Not Sampled,
Assumed Concentration (ug/L)

0 FT 50 FT 100 FT

EARTHCON

Environmental Challenges
BUSINESS SOLUTIONS

Figure 7
2010 - Benzene Isopleth Map
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00 DN: KMC DATE: 1/12



Insufficient data to complete contours

ROW

MW-5
[<1]

RW-1
[150]

RW-4
[170]

MW-1
[2,700]

LIMITS OF
FORMER EXCAVATION

MW-7
[<1]

RW-3
[1,000]

RW-5
[28]

MW-8
[<1]

MW-3
[5]

RW-2
[9]

MW-2
[<1]

MW-6
[<1]

MW-4
[<1]

BURIED
PIPELINES

Concentration
ug/L

4000
3000
2000
1000
500
250
100
50
25
5

LEGEND:

RW ■ RW - Recovery Wells

MW ● MW - Monitor Wells

+ Plume Center of Mass

[2] Benzene Concentration (ug/L)

[NS (803)] Well Not Sampled,
Assumed Concentration (ug/L)

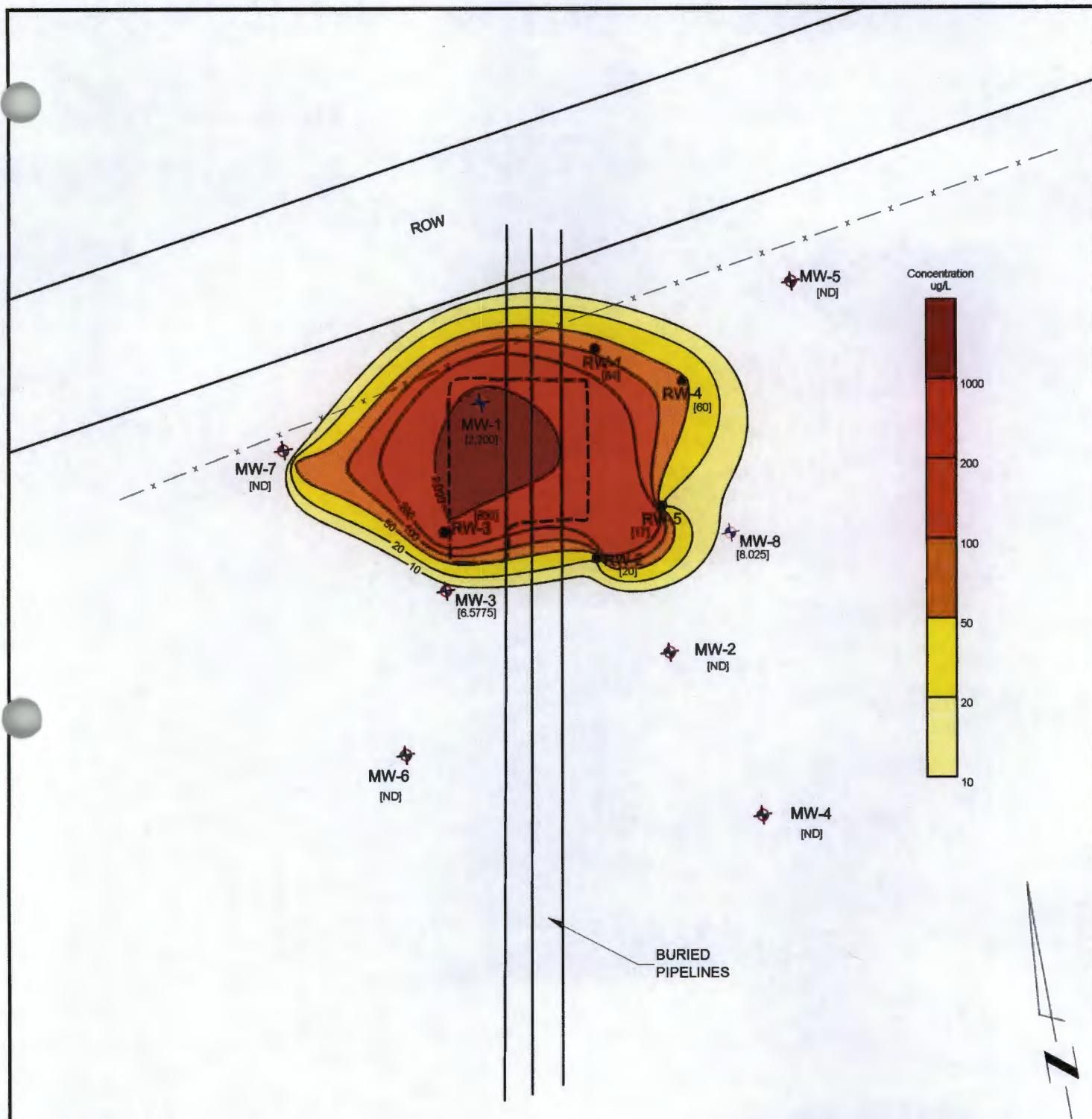
0 FT 50 FT 100 FT

EARTHCON

Environmental Challenges
BUSINESS SOLUTIONS

Figure 8
2011 - Benzene Isopleth Map
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Lea County, New Mexico

PROJ. NO: 205068.00 DN: KMG DATE: 1/12



LEGEND:

- RW-1 -Recovery Well Location
- ◆ MW-1 -Monitor Well Location
- [550] -Benzene Concentration in ug/L
- ND -Not Detected

NOTE:

The benzene concentrations presented on this map represent average of the concentrations reported in the groundwater samples collected during each quarterly sampling event during 2012. The only exception is the concentrations reported in groundwater sample collected from RW-1 through RW-5 & MW-1. This wells were only sampled during the 2nd Quarter 2012.



EnTech
Houston, TX • (281) 362-2714

Figure 9
2012 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 3/13

TABLES

Table 1	2012 Well Survey Data and Groundwater Elevations
Table 2	Historical Well Survey Data and Groundwater Elevations
Table 3	2012 Groundwater Analytical Results
Table 4	Historical Groundwater Analytical Results
Table 5	Groundwater Analytical Results for Polynuclear Aromatic Hydrocarbons (PAHs) from wells with PSH/Sheen
Table 6	2012 Monthly PSH and Dissolved Phase Groundwater Recovery Data

2012 WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.

Vacuum to Jal 14" Mainline #3

NMOCD NO.: 1R-455

SRS #2003-00117

Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	02/23/12	3362.64	55.60	48.29	48.30	0.01	NA	NA	NA	3314.35	
MW-1	05/23/12	3362.64	55.60	48.72	48.75	0.03	NA	NA	NA	3313.92	
MW-1	09/12/12	3362.64	55.60	ND	50.30	ND	NA	NA	NA	3312.34	
MW-1	11/19/12	3362.64	NG	NG	NG	NG	NG	NG	NG	NG	
MW-2	02/23/12	3367.00	56.30	NA	45.95	NA	NA	NA	NA	3321.05	
MW-2	05/23/12	3367.00	56.30	NA	46.35	NA	NA	NA	NA	3320.65	
MW-2	09/12/12	3367.00	56.30	NA	47.93	NA	NA	NA	NA	3319.07	
MW-2	11/19/12	3367.00	56.36	ND	47.91	ND	NA	NA	NA	3319.09	
MW-3	02/23/12	3369.10	56.18	NA	47.64	NA	NA	NA	NA	3321.46	
MW-3	05/23/12	3369.10	56.18	NA	48.11	NA	NA	NA	NA	3320.99	
MW-3	09/12/12	3369.10	56.18	NA	49.75	NA	NA	NA	NA	3319.35	
MW-3	11/19/12	3369.10	55.00	NA	49.72	NA	NA	NA	NA	3319.38	
MW-4	02/23/12	3365.12	59.40	NA	44.24	0.60	NA	NA	NA	3320.79	
MW-4	05/23/12	3365.12	59.40	NA	44.58	NA	NA	NA	NA	3320.54	
MW-4	09/12/12	3365.12	59.40	NA	46.11	NA	NA	NA	NA	3319.01	
MW-4	11/19/12	3365.12	59.50	NA	46.10	NA	NA	NA	NA	3319.02	
MW-5	02/23/12	3364.74	53.03	NA	43.73	NA	NA	NA	NA	3321.01	
MW-5	05/23/12	3364.74	53.03	NA	44.10	NA	NA	NA	NA	3320.64	
MW-5	09/12/12	3364.74	53.03	NA	45.72	NA	NA	NA	NA	3319.02	
MW-5	11/19/12	3364.74	52.90	NA	45.69	NA	NA	NA	NA	3319.05	
MW-6	02/23/12	3368.96	59.21	NA	47.45	NA	NA	NA	NA	3321.51	
MW-6	05/23/12	3368.96	59.21	NA	47.94	NA	NA	NA	NA	3321.02	
MW-6	09/12/12	3368.96	59.21	NA	49.59	NA	NA	NA	NA	3319.37	
MW-6	11/19/12	3368.96	59.33	NA	49.55	NA	NA	NA	NA	3319.41	
MW-7	02/23/12	3370.25	59.69	NA	48.45	NA	NA	NA	NA	3321.80	
MW-7	05/23/12	3370.25	59.69	NA	48.93	NA	NA	NA	NA	3321.32	
MW-7	09/12/12	3370.25	59.69	NA	50.65	NA	NA	NA	NA	3319.60	
MW-7	11/19/12	3370.25	59.69	NA	50.61	NA	NA	NA	NA	3319.64	
MW-8	02/23/12	NS	59.53	NA	44.04	NA	NA	NA	NA	NS	
MW-8	05/23/12	NS	59.53	NA	44.40	NA	NA	NA	NA	NS	
MW-8	09/12/12	NS	59.53	NA	46.01	NA	NA	NA	NA	NS	
MW-8	11/19/12	NS	59.60	NA	46.02	NA	NA	NA	NA	NS	

Tk. 1
2012 WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Vacuum to Jal 14" Mainline #3
 NMOCD NO.: 1R-455
 SRS #2003-00117
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	02/23/12	3368.12	58.70	ND	46.90	ND	NA	NA	NA	3321.22	
RW-1	05/23/12	3368.12	58.70	47.30	47.41	0.11	NA	NA	NA	3320.80	
RW-1	09/12/12	3368.12	58.70	ND	48.66	ND	NA	1.00	9.00	3319.46	
RW-1	11/19/12	3368.12	58.70	48.74	49.44	0.70	NA	NA	NA	3319.28	
RW-2	02/23/12	3398.32	58.98	47.21	47.22	0.01	NA	NA	NA	3351.11	
RW-2	05/23/12	3398.32	58.98	47.61	47.70	0.09	NA	NA	NA	3350.70	
RW-2	09/12/12	3398.32	58.98	ND	49.19	ND	NA	NA	NA	3349.13	
RW-2	11/19/12	3398.32	58.98	49.09	49.30	0.21	NA	NA	NA	3349.20	
RW-3	02/23/12	3369.05	59.57	47.66	47.67	0.01	NA	NA	NA	3321.39	
RW-3	05/23/12	3369.05	59.57	48.12	48.13	0.01	NA	NA	NA	3320.93	
RW-3	09/12/12	3369.05	59.57	ND	49.60	ND	NA	NA	NA	3319.45	
RW-3	11/19/12	3369.05	59.57	49.61	49.76	0.15	NA	NA	NA	3319.42	
RW-4	02/23/12	NS	57.63	46.36	46.38	0.02	NA	NA	NA	NS	
RW-4	05/23/12	NS	57.63	46.74	46.75	0.01	NA	NA	NA	NS	
RW-4	09/12/12	NS	57.63	ND	48.26	ND	NA	NA	NA	NS	
RW-4	11/19/12	NS	57.63	48.21	48.51	0.30	NA	NA	NA	NS	
RW-5	02/23/12	NS	59.73	47.20	47.21	0.01	NA	NA	NA	NS	
RW-5	05/23/12	NS	59.73	47.59	47.61	0.02	NA	NA	NA	NS	
RW-5	09/12/12	NS	59.73	ND	48.85	ND	NA	NA	NA	NS	
RW-5	11/19/12	NS	59.73	48.80	50.55	1.75	NA	NA	NA	NS	

NA: Not applicable
 ND: Not detected
 NS: Not surveyed

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOC D NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	09/14/05	3362.64	NG	ND	36.42	ND	NA	NA	NA	3326.22	Installed Sock
MW-1	09/20/05	3362.64	46.81	ND	40.37	ND	NA	NA	NA	3322.27	Flipped Sock
MW-1	09/21/05	3362.64	NG	41.00	41.02	0.02	NA	NA	NA	3321.64	New Sock
MW-1	10/05/05	3362.64	NG	41.00	41.15	0.15	NA	NA	NA	3321.62	Flipped Sock
MW-1	10/27/05	3362.64	NG	41.23	41.24	0.01	NA	NA	NA	3321.41	New Sock
MW-1	11/10/05	3362.64	NG	41.22	41.23	0.01	NA	NA	NA	3321.42	Flipped Sock
MW-1	12/21/05	3362.64	NG	ND	40.95	ND	NA	NA	NA	3321.69	New Sock
MW-1	12/29/05	3362.64	NG	ND	40.77	ND	NA	NA	NA	3321.87	Flipped Sock
MW-1	01/05/06	3362.64	NG	41.03	41.05	0.02	NA	NA	NA	3321.61	New Sock
MW-1	02/09/06	3362.64	NG	40.87	40.88	0.01	NA	NA	NA	3321.77	New Sock
MW-1	02/22/06	3362.64	NG	40.77	40.78	0.01	NA	NA	NA	3321.87	Flipped Sock
MW-1	03/28/06	3362.64	NG	ND	41.23	ND	NA	NA	NA	3321.41	Sock
MW-1	04/13/06	3362.64	NG	ND	41.40	ND	NA	NA	NA	3321.24	New Sock
MW-1	04/25/06	3362.64	NG	ND	41.30	ND	NA	NA	NA	3321.34	Flipped Sock
MW-1	05/11/06	3362.64	NG	ND	41.55	ND	NA	NA	NA	3321.09	New Sock
MW-1	05/24/06	3362.64	NG	ND	41.20	ND	NA	NA	NA	3321.44	New Sock
MW-1	06/07/06	3362.64	NG	ND	41.77	ND		0.00	5.00	3320.87	New Sock
MW-1	06/07/06	3362.64	NG	ND	41.63	ND	NA	NA	NA	3321.01	New Sock
MW-1	06/15/06	3362.64	NG	ND	41.50	ND	NA	NA	NA	3321.14	New Sock
MW-1	06/29/06	3362.64	NG	41.73	42.18	0.45	NA	NA	NA	3320.84	New Sock
MW-1	06/29/06	3362.64	NG	41.95	41.97	0.02	NA	NA	NA	3320.69	New Sock
MW-1	07/11/06	3362.64	NG	41.82	42.03	0.21	NA	NA	NA	3320.79	Flipped Sock
MW-1	07/25/06	3362.64	NG	42.41	42.60	0.19	NA	NA	NA	3320.20	New Sock
MW-1	08/09/06	3362.64	48.75	41.95	42.76	0.81	NA	NA	NA	3320.57	Sock
MW-1	08/09/06	3362.64	NG	ND	45.50	ND	NA	NA	NA	3317.14	Flipped Sock
MW-1	09/12/06	3362.64	48.93	41.92	43.92	2.00	NA	NA	NA	3320.42	Removed Sock
MW-1	09/19/06	3362.64	NG	41.45	43.35	1.90	Hand Bailed	3.00	7.00	3320.91	
MW-1	09/19/06	3362.64	NG	46.50	46.55	0.05	NA	NA	NA	3316.13	
MW-1	10/03/06	3362.64	NG	41.52	42.53	1.01	Hand Bailed	1.50	7.00	3320.97	
MW-1	10/03/06	3362.64	NG	48.35	48.37	0.02	NA	NA	NA	3314.29	No Sock
MW-1	10/17/06	3362.64	NG	48.43	49.43	1.00	Hand Bailed	1.50	3.50	3314.06	
MW-1	10/17/06	3362.64	NG	54.20	54.21	0.01	NA	NA	NA	3308.44	No Sock
MW-1	10/31/06	3362.64	NG	48.48	49.56	1.08	Hand Bailed	1.50	3.50	3314.00	
MW-1	10/31/06	3362.64	NG	51.77	51.85	0.08	NA	NA	NA	3310.86	No Sock
MW-1	11/15/06	3362.64	NG	48.50	49.51	1.01	Hand Bailed	1.00	9.00	3313.99	
MW-1	11/15/06	3362.64	NG	51.40	51.55	0.15	NA	NA	NA	3311.22	No Sock
MW-1	12/06/06	3362.64	NG	48.35	49.62	1.27	Hand Bailed	1.00	9.00	3314.10	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	12/13/06	3362.64	NG	48.32	49.68	1.36	Hand Bailed	1.50	3.50	3314.12	
MW-1	12/13/06	3362.64	NG	52.09	52.11	0.02	NA	NA	NA	3310.55	No Sock
MW-1	12/20/06	3362.64	NG	48.08	49.62	1.54	Hand Bailed	1.50	6.50	3314.33	
MW-1	12/20/06	3362.64	NG	53.00	53.06	0.06	NA	NA	NA	3309.63	No Sock
MW-1	12/27/06	3362.64	NG	48.25	49.11	0.86	Hand Bailed	1.00	4.00	3314.26	
MW-1	12/27/06	3362.64	NG	52.28	52.31	0.03	NA	NA	NA	3310.36	No Sock
MW-1	01/03/07	3362.64	NG	48.28	49.12	0.84	Hand Bailed	1.50	8.50	3314.23	
MW-1	01/03/07	3362.64	NG	53.62	53.65	0.03	NA	NA	NA	3309.02	No Sock
MW-1	01/09/07	3362.64	NG	47.81	49.12	1.31	Hand Bailed	1.25	8.50	3314.63	
MW-1	01/09/07	3362.64	NG	53.49	53.51	0.02	NA	NA	NA	3309.15	No Sock
MW-1	01/18/07	3362.64	NG	48.26	49.12	0.86	Hand Bailed	1.50	8.50	3314.25	
MW-1	01/18/07	3362.64	NG	52.30	52.34	0.04	NA	NA	NA	3310.33	No Sock
MW-1	01/25/07	3362.64	NG	48.16	48.82	0.66	Hand Bailed	1.00	5.00	3314.38	
MW-1	01/25/07	3362.64	NG	52.20	52.25	0.05	NA	NA	NA	3310.43	No Sock
MW-1	01/31/07	3362.64	NG	48.03	48.53	0.50	Hand Bailed	0.25	5.50	3314.54	
MW-1	01/31/07	3362.64	NG	DRY	DRY	DRY	NA	NA	NA	DRY	No Sock
MW-1	02/07/07	3362.64	NG	48.10	48.64	0.54	Hand Bailed	0.25	6.00	3314.46	
MW-1	02/07/07	3362.64	NG	DRY	DRY	DRY	NA	NA	NA	DRY	No Sock
MW-1	02/14/07	3362.64	NG	48.14	48.69	0.55	Hand Bailed	0.25	7.00	3314.42	
MW-1	02/14/07	3362.64	NG	DRY	DRY	DRY	NA	NA	NA	DRY	No Sock
MW-1	02/21/07	3362.64	NG	48.15	49.05	0.90	Hand Bailed	0.75	9.00	3314.36	
MW-1	02/21/07	3362.64	NG	DRY	DRY	DRY	NA	NA	NA	DRY	No Sock
MW-1	03/07/07	3362.64	NG	48.09	49.28	1.19	Hand Bailed	2.00	5.50	3314.37	Bailed Dry
MW-1	03/07/07	3362.64	NG	52.80	52.85	0.05	NA	NA	NA	3309.83	No Sock
MW-1	03/14/07	3362.64	NG	48.16	48.84	0.68	Hand Bailed	0.75	2.25	3314.38	
MW-1	03/14/07	3362.64	NG	50.50	50.54	0.04	NA	NA	NA	3312.13	No Sock
MW-1	03/21/07	3362.64	NG	48.24	48.30	0.06	Hand Bailed	0.50	1.50	3314.39	
MW-1	03/21/07	3362.64	NG	49.65	49.69	0.04	NA	NA	NA	3312.98	No Sock
MW-1	03/28/07	3362.64	NG	48.06	49.14	1.08	Hand Bailed	1.50	1.50	3314.42	
MW-1	03/28/07	3362.64	NG	50.80	50.86	0.06	NA	NA	NA	3311.83	No Sock
MW-1	04/04/07	3362.64	NG	48.32	49.08	0.76	NA	NA	NA	3314.21	
MW-1	04/10/07	3362.64	NG	48.06	49.06	1.00	Hand Bailed	1.00	4.00	3314.43	
MW-1	04/10/07	3362.64	NG	50.72	50.76	0.04	NA	NA	NA	3311.91	No Sock
MW-1	04/18/07	3362.64	NG	48.10	49.58	1.48	Hand Bailed	1.75	8.00	3314.32	
MW-1	04/18/07	3362.64	NG	50.68	50.76	0.08	NA	NA	NA	3311.95	No Sock
MW-1	04/24/07	3362.64	NG	48.10	49.64	1.54	Hand Bailed	1.75	8.00	3314.31	
MW-1	04/24/07	3362.64	NG	50.60	50.68	0.08	NA	NA	NA	3312.03	No Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	05/03/07	3362.64	NG	48.04	48.84	0.80	Hand Bailed	1.00	7.00	3314.48	
MW-1	05/03/07	3362.64	NG	53.03	53.05	0.02	NA	NA	NA	3309.61	No Sock
MW-1	05/11/07	3362.64	NG	48.13	48.66	0.53	Hand Bailed	0.50	6.00	3314.43	
MW-1	05/11/07	3362.64	NG	53.08	53.10	0.02	NA	NA	NA	3309.56	No Sock
MW-1	05/16/07	3362.64	NG	48.13	48.61	0.48	Hand Bailed	0.50	7.00	3314.44	
MW-1	05/16/07	3362.64	NG	ND	53.02	ND	NA	NA	NA	3309.62	No Sock
MW-1	05/23/07	3362.64	NG	48.00	48.23	0.23	Hand Bailed	0.25	7.00	3314.61	
MW-1	05/23/07	3362.64	NG	52.85	52.87	0.02	NA	NA	NA	3309.79	Installed Sock
MW-1	05/31/07	3362.64	NG	48.15	48.28	0.13	NA	NA	NA	3314.47	New Sock
MW-1	06/06/07	3362.64	55.67	48.04	48.06	0.02	Hand Bailed	0.10	7.40	3314.60	
MW-1	06/06/07	3362.64	55.67	ND	52.81	ND	NA	NA	NA	3309.83	Sock
MW-1	06/13/07	3362.64	55.67	48.30	48.32	0.02	Hand Bailed	0.10	7.40	3314.34	
MW-1	06/13/07	3362.64	55.67	ND	53.08	ND	NA	NA	NA	3309.56	New Sock
MW-1	06/19/07	3362.64	55.67	ND	48.31	ND	Hand Bailed	0.10	7.90	3314.33	
MW-1	06/19/07	3362.64	55.67	ND	51.76	ND	NA	NA	NA	3310.88	New Sock
MW-1	06/27/07	3362.64	55.67	48.37	48.39	0.02	Hand Bailed	NA	NA	3314.27	
MW-1	06/27/07	3362.64	55.67	ND	51.80	ND	NA	0.10	7.90	3310.84	New Sock
MW-1	07/05/07	3362.64	55.65	48.45	48.81	0.36	Hand Bailed	0.75	6.50	3314.14	
MW-1	07/05/07	3362.64	55.65	ND	53.69	ND	NA	NA	NA	3308.95	New Sock
MW-1	07/11/07	3362.64	55.65	ND	48.45	ND	Hand Bailed	0.10	7.40	3314.19	
MW-1	07/11/07	3362.64	55.65	ND	51.84	ND	NA	NA	NA	3310.80	New Sock
MW-1	07/19/07	3362.64	55.65	49.05	49.25	0.20	Hand Bailed	0.50	6.50	3313.56	
MW-1	07/19/07	3362.64	55.65	ND	52.56	ND	NA	NA	NA	3310.08	New Sock
MW-1	07/24/07	3362.64	55.65	ND	49.07	ND	Hand Bailed	5.00	7.50	3313.57	
MW-1	07/24/07	3362.64	55.65	ND	52.50	ND	NA	NA	NA	3310.14	Removed Sock
MW-1	07/31/07	3362.64	55.68	ND	49.12	ND	Hand Bailed	0.10	7.40	3313.52	
MW-1	07/31/07	3362.64	55.68	ND	52.63	ND	NA	NA	NA	3310.01	Installed Sock
MW-1	08/09/07	3362.64	55.68	ND	48.96	ND	Hand Bailed	0.10	7.40	3313.68	
MW-1	08/09/07	3362.64	55.68	ND	52.61	ND	NA	NA	NA	3310.03	New Sock
MW-1	08/16/07	3362.64	55.68	ND	48.94	ND	Hand Bailed	0.10	7.40	3313.70	
MW-1	08/16/07	3362.64	55.68	ND	52.48	ND	NA	NA	NA	3310.16	New Sock
MW-1	08/22/07	3362.64	55.68	ND	48.85	ND	Hand Bailed	0.10	7.40	3313.79	
MW-1	08/22/07	3362.64	55.68	ND	52.38	ND	NA	NA	NA	3310.26	New Sock
MW-1	08/28/07	3362.64	55.68	49.08	49.12	0.04	Hand Bailed	0.10	7.40	3313.55	
MW-1	08/28/07	3362.64	55.68	ND	52.98	ND	NA	NA	NA	3309.66	New Sock
MW-1	09/07/07	3362.64	55.68	ND	49.16	ND	NA	NA	NA	3313.48	
MW-1	09/13/07	3362.64	55.68	48.80	49.14	0.34	Hand Bailed	5.00	7.50	3313.79	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	09/13/07	3362.64	55.68	52.75	52.76	0.01	NA	NA	NA	3309.89	New Sock
MW-1	09/18/07	3362.64	55.68	48.76	48.80	0.04	Hand Bailed	0.10	7.50	3313.87	
MW-1	09/18/07	3362.64	55.68	ND	52.68	ND	NA	NA	NA	3309.96	New Sock
MW-1	09/26/07	3362.64	55.68	ND	48.90	ND	Hand Bailed	0.10	7.40	3313.74	
MW-1	09/26/07	3362.64	55.68	ND	52.70	ND	NA	NA	NA	3309.94	New Sock
MW-1	10/04/07	3362.64	55.68	ND	48.95	ND	Hand Bailed	0.10	7.40	3313.69	
MW-1	10/04/07	3362.64	55.68	ND	52.62	ND	NA	NA	NA	3310.02	New Sock
MW-1	10/10/07	3362.64	55.69	49.00	49.03	0.03	Hand Bailed	0.10	7.40	3313.64	
MW-1	10/10/07	3362.64	55.69	ND	52.81	ND	NA	NA	NA	3309.83	New Sock
MW-1	10/17/07	3362.64	55.69	ND	49.04	ND	Hand Bailed	0.10	7.40	3313.60	
MW-1	10/17/07	3362.64	55.69	ND	52.79	ND	NA	NA	NA	3309.85	Sock
MW-1	10/24/07	3362.64	55.69	48.76	49.68	0.92	Hand Bailed	1.00	30.00	3313.74	
MW-1	10/24/07	3362.64	55.69	49.38	49.39	0.01	NA	NA	NA	3313.26	New Sock
MW-1	10/31/07	3362.64	55.69	48.65	48.90	0.25	Hand Bailed	1.00	30.00	3313.95	
MW-1	10/31/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	New Sock
MW-1	11/07/07	3362.64	55.69	48.82	48.95	0.13	Hand Bailed	1.00	30.00	3313.80	
MW-1	11/07/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	Sock
MW-1	11/20/07	3362.64	55.69	48.60	49.70	1.10	NA	NA	NA	3313.88	Sock
MW-1	11/27/07	3362.64	55.69	48.56	49.69	1.13	Hand Bailed	1.00	8.00	3313.91	
MW-1	11/27/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	New Sock
MW-1	12/05/07	3362.64	55.69	48.61	49.66	1.05	Hand Bailed	1.00	8.00	3313.87	
MW-1	12/05/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	Removed Sock
MW-1	12/12/07	3362.64	55.69	48.72	49.60	0.88	Hand Bailed	1.00	8.00	3313.79	
MW-1	12/12/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	No Sock
MW-1	12/18/07	3362.64	55.69	48.20	48.97	0.77	Hand Bailed	1.00	9.00	3314.32	
MW-1	12/18/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	No Sock
MW-1	12/28/07	3362.64	55.69	48.00	48.55	0.55	Hand Bailed	0.75	8.00	3314.56	
MW-1	12/28/07	3362.64	55.69	DRY	DRY	DRY	NA	NA	NA	DRY	No Sock
MW-1	01/03/08	3362.64	55.69	48.21	48.61	0.40	Hand Bailed	0.50	8.00	3314.37	
MW-1	01/03/08	3362.64	55.69	ND	53.81	ND	NA	NA	NA	3308.83	No Sock
MW-1	01/09/08	3362.64	55.69	48.05	49.10	1.05	Hand Bailed	0.75	9.00	3314.43	
MW-1	01/09/08	3362.64	55.69	ND	55.18	ND	NA	NA	NA	3307.46	No Sock
MW-1	01/17/08	3362.64	58.55	ND	46.91	ND	Hand Bailed	0.00	10.00	3315.73	
MW-1	01/17/08	3362.64	58.55	ND	46.83	ND	NA	NA	NA	3315.81	New Sock
MW-1	01/23/08	3362.64	55.69	48.22	48.52	0.30		0.75	9.00	3314.38	
MW-1	01/23/08	3362.64	55.69	50.54	50.56	0.02	NA	NA	NA	3312.10	No Sock
MW-1	01/30/08	3362.64	55.69	48.08	48.27	0.19		0.50	19.00	3314.53	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOC D NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	01/30/08	3362.64	55.69	ND	50.06	ND	NA	NA	NA	3312.58	No Sock
MW-1	02/06/08	3362.64	55.69	48.18	48.40	0.22	NA	0.50	19.00	3314.43	
MW-1	02/06/08	3362.64	55.69	ND	50.75	ND	NA	NA	NA	3311.89	No Sock
MW-1	02/13/08	3362.64	55.69	48.11	48.25	0.14	NA	0.10	14.90	3314.51	
MW-1	02/13/08	3362.64	55.69	ND	50.00	ND	NA	NA	NA	3312.64	No Sock
MW-1	02/19/08	3362.64	55.69	48.15	48.33	0.18	NA	0.10	19.90	3314.46	
MW-1	02/19/08	3362.64	55.69	ND	51.15	ND	NA	NA	NA	3311.49	Installed Sock
MW-1	02/27/08	3362.64	55.69	48.53	48.56	0.03	NA	0.10	19.90	3314.11	
MW-1	02/27/08	3362.64	55.69	ND	49.51	ND	NA	NA	NA	3313.13	Flipped Sock
MW-1	03/04/08	3362.64	55.69	48.50	48.55	0.05	NA	0.25	20.00	3314.13	
MW-1	03/04/08	3362.64	55.69	ND	52.46	ND	NA	NA	NA	3310.18	New Sock
MW-1	03/12/08	3362.64	55.69	48.34	48.38	0.04	NA	1.00	20.00	3314.29	
MW-1	03/12/08	3362.64	55.69	ND	52.00	ND	NA	NA	NA	3310.64	New Sock
MW-1	03/19/08	3362.64	55.69	48.57	48.59	0.02	NA	0.25	19.00	3314.07	
MW-1	03/19/08	3362.64	55.69	ND	52.54	ND	NA	NA	NA	3310.10	New Sock
MW-1	03/26/08	3362.64	55.69	48.46	48.55	0.09	Hand Bailed	0.25	19.00	3314.17	
MW-1	03/26/08	3362.64	55.69	ND	51.60	ND	NA	NA	NA	3311.04	Flipped Sock
MW-1	04/02/08	3362.64	55.69	48.53	48.68	0.15	NA	0.25	19.00	3314.09	
MW-1	04/02/08	3362.64	55.69	ND	50.18	ND	NA	NA	NA	3312.46	New Sock
MW-1	04/09/08	3362.64	55.69	48.32	48.35	0.03	NA	0.25	19.00	3314.32	
MW-1	04/09/08	3362.64	55.69	ND	51.23	ND	NA	NA	NA	3311.41	Flipped Sock
MW-1	04/16/08	3362.64	55.69	48.34	48.37	0.03	NA	0.25	19.00	3314.30	
MW-1	04/16/08	3362.64	55.69	ND	50.96	ND	NA	NA	NA	3311.68	Sock
MW-1	04/24/08	3362.64	55.69	48.38	48.85	0.47	NA	NA	NA	3314.19	
MW-1	04/30/08	3362.64	55.69	48.22	48.75	0.53	NA	0.25	19.00	3314.34	
MW-1	04/30/08	3362.64	55.69	ND	53.98	ND	NA	NA	NA	3308.66	Sock
MW-1	05/07/08	3362.64	55.69	48.25	48.81	0.56	NA	0.50	19.00	3314.31	
MW-1	05/07/08	3362.64	55.69	ND	52.61	ND	NA	NA	NA	3310.03	Sock
MW-1	05/14/08	3362.64	55.69	48.27	48.90	0.63	NA	0.50	19.00	3314.28	
MW-1	05/14/08	3362.64	55.69	ND	52.00	ND	NA	0.50	13.00	3310.64	New Sock
MW-1	05/20/08	3362.64	55.69	48.80	49.21	0.41	NA	0.50	13.00	3313.78	
MW-1	05/20/08	3362.64	55.69	ND	52.31	ND	NA	NA	NA	3310.33	New Sock
MW-1	05/22/08	3362.64	55.71	ND	49.25	ND	NA	0.00	13.00	3313.39	
MW-1	05/28/08	3362.64	55.71	ND	49.23	ND	NA	0.00	20.00	3313.41	
MW-1	05/28/08	3362.64	55.71	ND	51.62	ND	NA	NA	NA	3311.02	
MW-1	06/04/08	3362.64	55.71	ND	49.27	ND	NA	0.00	20.00	3313.37	
MW-1	06/04/08	3362.64	55.71	ND	51.50	ND	NA	NA	NA	3311.14	New Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	06/11/08	3362.64	55.71	ND	49.30	ND		0.00	20.00	3313.34	
MW-1	06/11/08	3362.64	55.71	ND	51.31	ND	NA	NA	NA	3311.33	New Sock
MW-1	06/18/08	3362.64	55.71	49.35	49.36	0.01	NA	NA	NA	3313.29	New Sock
MW-1	06/18/08	3362.64	55.71	ND	50.89	ND		0.00	20.00	3311.75	
MW-1	06/26/08	3362.64	55.71	ND	49.40	ND		0.00	20.00	3313.24	New Sock
MW-1	06/26/08	3362.64	55.71	ND	50.27	ND	NA	NA	NA	3312.37	
MW-1	07/02/08	3362.64	55.71	ND	49.38	ND		0.00	20.00	3313.26	New Sock
MW-1	07/02/08	3362.64	55.71	ND	50.67	ND	NA	NA	NA	3311.97	
MW-1	07/07/08	3362.64	55.71	ND	49.31	ND		0.00	20.00	3313.33	New Sock
MW-1	07/07/08	3362.64	55.71	ND	53.10	ND	NA	NA	NA	3309.54	
MW-1	07/16/08	3362.64	55.71	ND	49.36	ND		0.00	20.00	3313.28	Flipped Sock
MW-1	07/16/08	3362.64	55.71	ND	52.79	ND	NA	NA	NA	3309.85	
MW-1	07/22/08	3362.64	55.71	ND	49.40	ND		0.00	20.00	3313.24	New Sock
MW-1	07/22/08	3362.64	55.71	ND	51.98	ND	NA	NA	NA	3310.66	
MW-1	07/29/08	3362.64	55.71	ND	49.46	ND		0.00	20.00	3313.18	Sock
MW-1	07/29/08	3362.64	55.71	ND	51.49	ND	NA	NA	NA	3311.15	
MW-1	08/05/08	3362.64	55.71	49.45	49.50	0.05		0.00	20.00	3313.18	New Sock
MW-1	08/05/08	3362.64	55.71	ND	50.46	ND	NA	NA	NA	3312.18	
MW-1	08/13/08	3362.64	55.71	49.48	49.61	0.13		0.00	20.00	3313.14	New Sock
MW-1	08/13/08	3362.64	55.71	ND	51.26	ND	NA	NA	NA	3311.38	
MW-1	08/20/08	3362.64	55.71	49.00	49.10	0.10	NA	NA	NA	3313.63	
MW-1	08/27/08	3362.64	55.71	49.15	49.19	0.04		0.00	20.00	3313.48	New Sock
MW-1	08/27/08	3362.64	55.71	ND	50.03	ND	NA	NA	NA	3312.61	
MW-1	09/02/08	3362.64	55.71	ND	49.22	ND		0.00	20.00	3313.42	New Sock
MW-1	09/09/08	3362.64	55.71	ND	49.26	ND	NA	NA	NA	3313.38	Sock
MW-1	09/17/08	3362.64	55.71	47.62	49.43	1.81	NA	NA	NA	3314.75	Sock
MW-1	09/17/08	3362.64	55.71	49.40	49.43	0.03		0.50	9.50	3313.24	Pump
MW-1	09/24/08	3362.64	55.71	ND	49.25	ND	NA	NA	NA	3313.39	Flipped Sock
MW-1	10/01/08	3362.64	55.71	ND	49.27	ND	NA	NA	NA	3313.37	Sock
MW-1	10/08/08	3362.64	55.71	49.48	49.51	0.03		0.50	11.50	3313.16	Pump
MW-1	10/08/08	3362.64	55.71	ND	54.98	ND	NA	NA	NA	3307.66	New Sock
MW-1	10/15/08	3362.64	55.71	ND	49.22	ND	NA	0.00	10.00	3313.42	Pump
MW-1	10/15/08	3362.64	55.71	ND	53.60	ND	NA	NA	NA	3309.04	
MW-1	10/22/08	3362.64	55.71	ND	49.09	ND		0.00	20.00	3313.55	Pump
MW-1	10/22/08	3362.64	55.71	ND	49.45	ND	NA	NA	NA	3313.19	Flipped Sock
MW-1	10/29/08	3362.64	55.71	ND	49.50	ND	NA	NA	NA	3313.14	Sock
MW-1	11/05/08	3362.64	55.71	ND	49.35	ND	NA	NA	NA	3313.29	Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	11/12/08	3362.64	55.71	49.49	49.62	0.13	NA	NA	NA	3313.13	Sock
MW-1	11/20/08	3362.64	55.71	49.62	49.70	0.08	NA	NA	NA	3313.01	New Sock
MW-1	11/26/08	3362.64	55.71	ND	49.38	ND	NA	0.00	4.00	3313.26	Flipped Sock
MW-1	11/26/08	3362.64	55.71	DRY	DRY	DRY	NA	NA	NA	DRY	
MW-1	12/03/08	3362.64	55.71	ND	49.42	ND	NA	NA	NA	3313.22	New Sock
MW-1	12/10/08	3362.64	55.71	ND	49.22	ND	NA	NA	NA	3313.42	New Sock
MW-1	12/17/08	3362.64	55.71	ND	49.36	ND	NA	NA	NA	3313.28	Flipped Sock
MW-1	12/21/08	3362.64	55.71	ND	49.51	ND	NA	NA	NA	3313.13	Flipped Sock
MW-1	12/31/08	3362.64	55.71	ND	49.37	ND	NA	NA	NA	3313.27	
MW-1	01/07/09	3362.64	55.55	49.10	49.21	0.11	Hand Bailed	0.05	9.95	3313.52	
MW-1	01/07/09	3362.64	55.55	ND	51.56	ND	NA	NA	NA	3311.08	
MW-1	01/15/09	3362.64	55.55	ND	49.33	ND	NA	NA	NA	3313.31	New Sock
MW-1	01/22/09	3362.64	55.55	ND	49.09	ND	NA	NA	NA	3313.55	
MW-1	01/28/09	3362.64	55.55	ND	49.21	ND	NA	NA	NA	3313.43	
MW-1	02/04/09	3362.64	65.63	ND	49.27	ND	NA	NA	NA	3313.37	
MW-1	02/18/09	3362.64	65.63	ND	49.22	ND	Pumped	0.00	20.00	3313.42	New Sock
MW-1	02/18/09	3362.64	65.63	ND	51.62	ND	NA	NA	NA	3311.02	
MW-1	02/25/09	3362.64	65.63	ND	49.14	ND	NA	NA	NA	3313.50	New Sock
MW-1	03/04/09	3362.64	55.60	ND	49.07	ND	NA	NA	NA	3313.57	Flipped Sock
MW-1	03/11/09	3362.64	55.60	ND	49.24	ND	NA	NA	NA	3313.40	New Sock
MW-1	03/18/09	3362.64	55.60	ND	49.13	ND	NA	NA	NA	3313.51	Sock
MW-1	03/25/09	3362.64	55.60	ND	49.10	ND	NA	NA	NA	3313.54	New Sock
MW-1	04/01/09	3362.64	55.60	ND	48.94	ND	NA	NA	NA	3313.70	Flipped Sock
MW-1	04/08/09	3362.64	55.60	ND	49.09	ND	NA	NA	NA	3313.55	
MW-1	04/15/09	3362.64	55.60	ND	49.05	ND	NA	NA	NA	3313.59	
MW-1	04/22/09	3362.64	55.60	ND	49.10	ND	NA	NA	NA	3313.54	
MW-1	05/06/09	3362.64	55.60	ND	49.17	ND	NA	NA	NA	3313.47	
MW-1	05/14/09	3362.64	55.60	ND	49.34	ND	NA	NA	NA	3313.30	
MW-1	05/20/09	3362.64	55.60	ND	49.21	ND	NA	NA	NA	3313.43	
MW-1	05/28/09	3362.64	55.60	ND	49.26	ND	NA	NA	NA	3313.38	
MW-1	06/03/09	3362.64	55.60	ND	49.49	ND	NA	NA	NA	3313.15	
MW-1	06/11/09	3362.64	55.60	ND	49.42	ND	NA	NA	NA	3313.22	
MW-1	06/17/09	3362.64	55.60	ND	49.38	ND	NA	NA	NA	3313.26	
MW-1	06/23/09	3362.64	55.60	ND	49.35	ND	NA	NA	NA	3313.29	
MW-1	07/01/09	3362.64	55.60	ND	48.19	ND	NA	NA	NA	3314.45	New Sock
MW-1	07/07/09	3362.64	55.60	ND	49.18	ND	NA	NA	NA	3313.46	
MW-1	07/15/09	3362.64	55.60	ND	49.20	ND	NA	NA	NA	3313.44	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	07/29/09	3362.64	55.60	ND	49.20	ND	NA	NA	NA	3313.44	
MW-1	07/29/09	3362.64	55.60	ND	53.00	ND		0.00	10.00	3309.64	
MW-1	08/05/09	3362.64	55.60	ND	49.24	ND	NA	NA	NA	3313.40	New Sock
MW-1	08/12/09	3362.64	55.60	ND	49.10	ND	NA	NA	NA	3313.54	Flipped Sock
MW-1	08/19/09	3362.64	55.60	ND	49.00	ND	NA	NA	NA	3313.64	New Sock
MW-1	08/27/09	3362.64	55.60	ND	48.97	ND	NA	NA	NA	3313.67	Flipped Sock
MW-1	09/02/09	3362.64	55.60	ND	48.93	ND	NA	NA	NA	3313.71	
MW-1	09/09/09	3362.64	55.60	ND	49.12	ND	NA	NA	NA	3313.52	
MW-1	09/16/09	3362.64	55.60	ND	48.95	ND	NA	NA	NA	3313.69	
MW-1	09/23/09	3362.64	55.60	ND	49.04	ND	NA	NA	NA	3313.60	
MW-1	09/30/09	3362.64	55.60	ND	48.96	ND		0.00	6.00	3313.68	New Sock, Dry After Recovery
MW-1	09/30/09	3362.64	55.60	ND	53.55	ND	NA	NA	NA	3309.09	
MW-1	10/07/09	3362.64	55.60	ND	49.10	ND	NA	NA	NA	3313.54	
MW-1	10/14/09	3362.64	55.60	ND	48.94	ND	NA	NA	NA	3313.70	Flipped Sock
MW-1	10/21/09	3362.64	55.60	ND	48.83	ND	NA	NA	NA	3313.81	New Sock
MW-1	10/28/09	3362.64	55.60	ND	48.70	ND		0.00	20.00	3313.94	
MW-1	10/28/09	3362.64	55.60	ND	49.72	ND	NA	NA	NA	3312.92	
MW-1	11/04/09	3362.64	55.60	48.91	49.00	0.09		0.10	9.90	3313.72	
MW-1	11/04/09	3362.64	55.60	ND	52.01	ND	NA	NA	NA	3310.63	
MW-1	11/11/09	3362.64	55.60	48.91	48.97	0.06		0.10	9.90	3313.72	
MW-1	11/11/09	3362.64	55.60	ND	52.05	ND	NA	NA	NA	3310.59	
MW-1	11/18/09	3362.64	55.60	48.76	48.81	0.05		0.10	9.90	3313.87	
MW-1	11/18/09	3362.64	55.60	ND	49.43	ND	NA	NA	NA	3313.21	
MW-1	11/25/09	3362.64	55.60	48.91	48.99	0.08		0.10	9.90	3313.72	
MW-1	11/25/09	3362.64	55.60	ND	53.54	ND	NA	NA	NA	3309.10	
MW-1	12/02/09	3362.64	55.60	48.94	49.00	0.06		0.10	9.90	3313.69	
MW-1	12/02/09	3362.64	55.60	ND	51.20	ND	NA	NA	NA	3311.44	
MW-1	12/09/09	3362.64	55.60	48.91	48.96	0.05		0.10	9.90	3313.72	
MW-1	12/09/09	3362.64	55.60	ND	51.18	ND	NA	NA	NA	3311.46	
MW-1	12/16/09	3362.64	55.60	48.87	48.95	0.08		0.10	14.90	3313.76	
MW-1	12/16/09	3362.64	55.60	ND	53.30	ND	NA	NA	NA	3309.34	
MW-1	12/23/09	3362.64	55.60	48.68	48.73	0.05		0.10	9.90	3313.95	
MW-1	12/23/09	3362.64	55.60	ND	51.60	ND	NA	NA	NA	3311.04	
MW-1	12/30/09	3362.64	55.60	48.75	48.84	0.09		0.10	9.90	3313.88	
MW-1	12/30/09	3362.64	55.60	ND	52.61	ND	NA	NA	NA	3310.03	
MW-1	01/06/10	3362.64	55.60	48.62	48.65	0.03		0.10	14.90	3314.02	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	01/06/10	3362.64	55.60	ND	55.30	ND	NA	NA	NA	3307.34	
MW-1	01/13/10	3362.64	55.60	48.70	48.76	0.06	NA	0.10	9.90	3313.93	
MW-1	01/13/10	3362.64	55.60	ND	52.41	ND	NA	NA	NA	3310.23	
MW-1	01/27/10	3362.64	55.60	48.64	48.69	0.05	NA	NA	NA	3313.99	
MW-1	02/17/10	3362.64	55.60	48.58	48.83	0.25	Pumped	0.50	19.50	3314.02	
MW-1	02/17/10	3362.64	55.60	ND	50.81	ND	NA	NA	NA	3311.83	
MW-1	03/02/10	3362.64	55.60	48.58	48.60	0.02	NA	NA	NA	3314.06	
MW-1	03/10/10	3362.64	55.60	48.50	48.55	0.05	Pumped	0.10	4.90	3314.13	
MW-1	03/10/10	3362.64	55.60	ND	51.82	ND	NA	NA	NA	3310.82	
MW-1	03/17/10	3362.64	55.60	48.64	48.67	0.03	NA	NA	NA	3314.00	
MW-1	03/24/10	3362.64	55.60	48.58	48.70	0.12	NA	NA	NA	3314.04	
MW-1	03/31/10	3362.64	55.60	48.51	48.65	0.14	Pumped	0.10	14.90	3314.11	
MW-1	03/31/10	3362.64	55.60	ND	55.12	ND	NA	NA	NA	3307.52	
MW-1	04/07/10	3362.64	55.60	48.63	48.73	0.10	NA	NA	NA	3314.00	
MW-1	04/14/10	3362.64	55.60	48.55	48.62	0.07	NA	NA	NA	3314.08	
MW-1	04/21/10	3362.64	55.60	48.42	48.50	0.08	NA	NA	NA	3314.21	
MW-1	04/28/10	3362.64	55.60	48.55	48.72	0.17	NA	NA	NA	3314.06	
MW-1	04/28/10	3362.64	55.60	ND	53.55	ND	Hand Bailed	0.10	7.40	3309.09	Bailed Dry
MW-1	05/05/10	3362.64	55.60	48.55	48.64	0.09	NA	NA	NA	3314.08	
MW-1	05/05/10	3362.64	55.60	ND	52.70	ND	Hand Bailed	0.10	7.90	3309.94	Bailed Dry
MW-1	05/11/10	3362.64	55.60	48.53	48.58	0.05	Pumped	0.10	14.90	3314.10	
MW-1	05/11/10	3362.64	55.60	ND	51.57	ND	NA	NA	NA	3311.07	
MW-1	05/19/10	3362.64	55.60	48.56	48.57	0.01	NA	NA	NA	3314.08	
MW-1	05/29/10	3362.64	55.60	48.60	48.69	0.09	Pumped	<0.25	10.00	3314.03	
MW-1	05/29/10	3362.64	55.60	ND	54.60	ND	NA	NA	NA	3308.04	
MW-1	06/01/10	3362.64	55.60	48.55	48.56	0.01	NA	NA	NA	3314.09	Sampled
MW-1	06/12/10	3362.64	55.60	48.62	48.65	0.03	NA	NA	NA	3314.02	
MW-1	06/15/10	3362.64	55.60	48.58	48.71	0.13	Pumped	<0.25	10.00	3314.04	
MW-1	06/15/10	3362.64	55.60	ND	52.82	ND	NA	NA	NA	3309.82	
MW-1	06/25/10	3362.64	55.60	48.63	48.67	0.04	NA	NA	NA	3314.00	
MW-1	06/30/10	3362.64	55.60	48.65	48.73	0.08	NA	NA	NA	3313.98	
MW-1	07/07/10	3362.64	55.60	48.64	48.75	0.11	NA	NA	NA	3313.98	
MW-1	07/14/10	3362.64	55.60	48.60	48.71	0.11	NA	NA	NA	3314.02	
MW-1	07/21/10	3362.64	55.60	48.63	48.82	0.19	NA	NA	NA	3313.98	
MW-1	07/28/10	3362.64	55.60	48.62	48.86	0.24	NA	NA	NA	3313.98	
MW-1	08/03/10	3362.64	55.60	48.61	48.83	0.22	NA	NA	NA	3314.00	
MW-1	08/11/10	3362.64	55.60	48.59	48.89	0.30	NA	NA	NA	3314.01	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	08/18/10	3362.64	55.60	48.62	48.96	0.34	Pumped	0.10	14.90	3313.97	
MW-1	08/18/10	3362.64	55.60	ND	55.48	ND	NA	NA	NA	3307.16	
MW-1	08/25/10	3362.64	55.60	48.70	48.76	0.06	NA	NA	NA	3313.93	
MW-1	09/01/10	3362.64	55.60	48.55	48.60	0.05	NA	NA	NA	3314.08	
MW-1	09/08/10	3362.64	55.60	48.57	48.67	0.10	Pumped	0.10	14.90	3314.06	
MW-1	09/08/10	3362.64	55.60	ND	55.56	ND	NA	NA	NA	3307.08	
MW-1	09/15/10	3362.64	55.60	48.55	48.56	0.01	Pumped	0.10	4.90	3314.09	
MW-1	09/15/10	3362.64	55.60	ND	49.95	ND	NA	NA	NA	3312.69	
MW-1	09/21/10	3362.64	55.60	48.48	48.50	0.02	NA	NA	NA	3314.16	
MW-1	10/01/10	3362.64	55.60	48.53	48.57	0.04	NA	NA	NA	3314.10	
MW-1	10/06/10	3362.64	55.60	48.51	48.52	0.01	NA	NA	NA	3314.13	
MW-1	10/13/10	3362.64	55.60	48.57	48.63	0.06	Pumped	0.10	9.90	3314.06	
MW-1	10/13/10	3362.64	55.60	ND	50.41	ND	NA	NA	NA	3312.23	
MW-1	10/22/10	3362.64	55.60	48.38	48.40	0.02	NA	NA	NA	3314.26	
MW-1	10/27/10	3362.64	55.60	48.38	48.40	0.02	NA	NA	NA	3314.26	
MW-1	11/03/10	3362.64	55.60	48.44	48.45	0.01	NA	NA	NA	3314.20	
MW-1	11/10/10	3362.64	55.60	48.22	48.23	0.01	Pumped	0.10	14.90	3314.42	
MW-1	11/10/10	3362.64	55.60	ND	51.95	ND	NA	NA	NA	3310.69	
MW-1	11/16/10	3362.64	55.60	48.30	48.31	0.01	NA	NA	NA	3314.34	
MW-1	11/24/10	3362.64	55.60	48.25	48.26	0.01	NA	NA	NA	3314.39	
MW-1	12/01/10	3362.64	55.60	48.18	48.19	0.01	Pumped	0.10	7.90	3314.46	Pumped Dry
MW-1	12/01/10	3362.64	55.60	ND	50.82	ND	NA	NA	NA	3311.82	
MW-1	12/08/10	3362.64	55.60	48.25	48.26	0.01	NA	NA	NA	3314.39	
MW-1	12/15/10	3362.64	55.60	48.06	48.07	0.01	NA	NA	NA	3314.58	
MW-1	12/21/10	3362.64	55.60	48.18	48.19	0.01	NA	NA	NA	3314.46	
MW-1	01/08/11	3362.64	55.60	48.09	48.10	0.01	NA	NA	NA	3314.55	
MW-1	01/12/11	3362.64	55.60	48.15	48.16	0.01	Handball	0.10	4.90	3314.49	
MW-1	01/12/11	3362.64	55.60	ND	51.53	ND	NA	NA	NA	3311.11	
MW-1	01/19/11	3362.64	55.60	48.03	48.04	0.01	NA	NA	NA	3314.61	
MW-1	01/25/11	3362.64	55.60	48.04	48.05	0.01	NA	NA	NA	3314.60	
MW-1	02/04/11	3362.64	55.60	Sheen	48.04	Sheen	NA	NA	NA	3314.60	
MW-1	02/08/11	3362.64	55.60	47.95	47.96	0.01	NA	NA	NA	3314.69	
MW-1	02/16/11	3362.64	55.60	47.98	47.99	0.01	Pumped	0.10	9.90	3314.66	
MW-1	02/16/11	3362.64	55.60	ND	53.46	ND	NA	NA	NA	3309.18	
MW-1	02/23/11	3362.64	55.60	47.98	47.99	0.01	Hand Bailed	0.10	9.90	3314.66	
MW-1	02/23/11	3362.64	55.60	ND	52.58	ND	NA	NA	NA	3310.06	
MW-1	03/02/11	3362.64	55.60	48.02	48.03	0.01	Hand Bailed	0.00	8.00	3314.62	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	03/02/11	3362.64	55.60	ND	52.18	ND	NA	NA	NA	3310.46	
MW-1	03/08/11	3362.64	55.60	Sheen	48.00	Sheen	NA	NA	NA	3314.64	
MW-1	03/16/11	3362.64	55.60	47.99	48.00	0.01	Hand Bailed	0.10	4.90	3314.65	
MW-1	03/16/11	3362.64	55.60	ND	51.01	ND	NA	NA	NA	3311.63	
MW-1	03/23/11	3362.64	55.60	48.02	48.03	0.01	NA	NA	NA	3314.62	
MW-1	03/30/11	3362.64	55.60	47.94	47.95	0.01	NA	NA	NA	3314.70	
MW-1	04/08/11	3362.64	55.60	47.93	47.94	0.01	NA	NA	NA	3314.71	
MW-1	04/13/11	3362.64	55.60	47.93	47.94	0.01	NA	NA	NA	3314.71	
MW-1	04/20/11	3362.64	55.60	ND	47.91	ND	NA	NA	NA	3314.73	
MW-1	04/27/11	3362.64	55.60	48.05	48.06	0.01	NA	NA	NA	3314.59	
MW-1	05/04/11	3362.64	55.60	Sheen	47.95	Sheen	NA	NA	NA	3314.69	
MW-1	05/11/11	3362.64	55.60	47.99	48.00	0.01	NA	NA	NA	3314.65	
MW-1	05/19/11	3362.64	55.60	Heavy Sheen	47.91	Heavy Sheen	NA	NA	NA	3314.73	
MW-1	05/24/11	3362.64	55.60	Heavy Sheen	47.94	Heavy Sheen		0.10	9.90	3314.70	
MW-1	05/24/11	3362.64	55.60	ND	52.75	ND	NA	NA	NA	3309.89	
MW-1	06/02/11	3362.64	55.60	48.13	48.14	0.01	NA	NA	NA	3314.51	
MW-1	06/08/11	3362.64	55.60	48.15	48.16	0.01	NA	NA	NA	3314.49	
MW-1	06/17/11	3362.64	55.60	48.10	48.11	0.01		0.10	9.90	3314.54	
MW-1	06/17/11	3362.64	55.60	ND	53.38	ND	NA	NA	NA	3309.26	
MW-1	06/21/11	3362.64	55.60	48.08	48.09	0.01		0.10	0.00	3314.56	
MW-1	06/29/11	3362.64	55.60	48.23	48.24	0.01		0.10	0.00	3314.41	
MW-1	07/06/11	3362.64	55.60	48.26	48.28	0.02		0.10	4.90	3314.38	
MW-1	07/06/11	3362.64	55.60	ND	51.77	ND	NA	NA	NA	3310.87	
MW-1	07/13/11	3362.64	55.60	48.24	48.25	0.01	NA	NA	NA	3314.40	
MW-1	07/21/11	3362.64	55.60	48.27	48.28	0.01	NA	NA	NA	3314.37	
MW-1	07/27/11	3362.64	55.60	48.29	48.31	0.02	Hand Bailed	0.10	9.90	3314.35	
MW-1	07/27/11	3362.64	55.60	ND	53.85	ND	NA	NA	NA	3308.79	
MW-1	08/03/11	3362.64	55.60	Sheen	48.31	Sheen	NA	NA	NA	3314.33	
MW-1	08/11/11	3362.64	55.60	48.36	48.37	0.01	NA	NA	NA	3314.28	
MW-1	08/17/11	3362.64	55.60	48.34	48.35	0.01	NA	NA	NA	3314.30	
MW-1	08/24/11	3362.64	55.60	48.42	48.43	0.01	NA	NA	NA	3314.22	
MW-1	08/30/11	3362.64	55.60	48.35	48.36	0.01	NA	NA	NA	3314.29	
MW-1	09/07/11	3362.64	55.60	48.49	48.50	0.01		0.10	4.90	3314.15	
MW-1	09/07/11	3362.64	55.60	ND	51.45	ND	NA	NA	NA	3311.19	
MW-1	09/14/11	3362.64	55.60	48.46	48.47	0.01	NA	NA	NA	3314.18	
MW-1	09/21/11	3362.64	55.60	48.50	48.51	0.01	NA	NA	NA	3314.14	
MW-1	09/28/11	3362.64	55.60	47.49	47.50	0.01		0.10	4.90	3315.15	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	09/28/11	3362.64	55.60	ND	52.11	ND	NA	NA	NA	3310.53	
MW-1	10/05/11	3362.64	55.60	ND	48.43	ND	NA	NA	NA	3314.21	
MW-1	10/12/11	3362.64	55.60	Sheen	48.49	Sheen	NA	NA	NA	3314.15	
MW-1	10/18/11	3362.64	55.60	48.59	48.60	0.01	NA	NA	NA	3314.05	
MW-1	10/28/11	3362.64	55.60	48.63	48.64	0.01	NA	NA	NA	3314.01	
MW-1	11/02/11	3362.64	55.60	48.50	48.51	0.01	NA	NA	NA	3314.14	
MW-1	11/09/11	3362.64	55.60	48.66	48.67	0.01	Hand Bailed	0.10	4.90	3313.98	
MW-1	11/09/11	3362.64	55.60	ND	51.85	ND	NA	NA	NA	3310.79	
MW-1	11/18/11	3362.64	55.60	48.46	48.47	0.01	NA	NA	NA	3314.18	
MW-1	11/23/11	3362.64	55.60	48.58	48.59	0.01	NA	NA	NA	3314.06	
MW-1	11/29/11	3362.64	55.60	48.57	48.58	0.01	NA	NA	NA	3314.07	
MW-1	12/13/11	3362.64	55.60	48.45	48.47	0.02	NA	NA	NA	3314.19	
MW-1	12/20/11	3362.64	55.60	48.52	48.53	0.01	NA	NA	NA	3314.12	
MW-1	12/27/11	3362.64	55.60	48.54	48.55	0.01	NA	NA	NA	3314.10	
MW-1	01/04/12	3362.64	55.60	48.56	48.57	0.01	NA	0.10	4.90	3314.08	
MW-1	01/13/12	3362.64	55.60	48.50	48.51	0.01	Hand Bailed	0.10	4.90	3314.14	
MW-1	01/13/12	3362.64	55.60	ND	51.52	ND	NA	NA	NA	3311.12	
MW-1	01/18/12	3362.64	55.60	48.49	48.50	0.01	NA	NA	NA	3314.15	
MW-1	01/27/12	3362.64	55.60	48.41	48.42	0.01	NA	NA	NA	3314.23	
MW-1	02/02/12	3362.64	55.60	48.37	48.38	0.01	NA	0.10	4.90	3314.27	
MW-1	02/02/12	3362.64	55.60	ND	51.23	ND	NA	NA	NA	3311.41	
MW-1	02/08/12	3362.64	55.60	48.51	48.52	0.01	NA	NA	NA	3314.13	
MW-1	02/15/12	3362.64	55.60	48.42	48.43	0.01	NA	NA	NA	3314.22	
MW-1	02/23/12	3362.64	55.60	48.29	48.30	0.01	NA	NA	NA	3314.35	
MW-1	02/29/12	3362.64	55.60	48.44	48.46	0.02	NA	0.10	4.90	3314.20	
MW-1	02/29/12	3362.64	55.60	ND	50.75	ND	NA	NA	NA	3311.89	
MW-1	03/06/12	3362.64	55.60	48.36	48.37	0.01	NA	NA	NA	3314.28	
MW-1	03/14/12	3362.64	55.60	48.45	48.46	0.01	NA	NA	NA	3314.19	
MW-1	03/21/12	3362.64	55.60	48.30	48.31	0.01	NA	NA	NA	3314.34	
MW-1	03/29/12	3362.64	55.60	48.36	48.44	0.08	NA	NA	NA	3314.21	
MW-1	04/03/12	3362.64	55.60	48.43	48.45	0.02	NA	NA	NA	3314.24	
MW-1	04/11/12	3362.64	55.60	48.40	48.41	0.01	NA	NA	NA	3314.16	
MW-1	04/20/12	3362.64	55.60	48.48	48.50	0.02	NA	NA	NA	3315.26	
MW-1	04/26/12	3362.64	55.60	47.38	47.39	0.01	NA	NA	NA	3314.22	
MW-1	05/02/12	3362.64	55.60	48.41	48.49	0.08	NA	NA	NA	3314.08	
MW-1	05/09/12	3362.64	55.60	48.56	48.59	0.03	NA	0.00	5.00	3314.08	
MW-1	05/09/12	3362.64	55.60	ND	52.00	ND	NA	NA	NA	3310.64	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	05/16/12	3362.64	55.60	48.60	48.62	0.02	NA	NA	NA	3314.04	
MW-1	05/23/12	3362.64	55.60	48.72	48.75	0.03	NA	NA	NA	3313.92	
MW-1	05/29/12	3362.64	55.60	49.02	49.04	0.02	NA	NA	NA	3313.62	
MW-1	06/06/12	3362.64	55.60	48.57	48.58	0.01	NA	NA	NA	3314.07	
MW-1	06/13/12	3362.64	55.60	48.42	48.49	0.07	NA	NA	NA	3314.21	
MW-1	06/19/12	3362.64	55.60	49.51	49.68	0.17		0.10	4.90	3313.10	
MW-1	06/19/12	3362.64	55.60	ND	58.50	ND	NA	NA	NA	3304.14	
MW-1	06/27/12	3362.64	55.60	49.72	49.73	0.01	NA	NA	NA	3312.92	
MW-1	07/05/12	3362.64	55.60	49.93	49.95	0.02	NA	NA	NA	3312.71	
MW-1	07/11/12	3362.64	55.60	50.03	50.09	0.06	NA	NA	NA	3312.60	
MW-1	07/18/12	3362.64	55.60	50.18	50.24	0.06	NA	NA	NA	3312.45	
MW-1	07/25/12	3362.64	55.60	50.23	50.31	0.08	NA	NA	10.00	3312.40	
MW-1	07/25/12	3362.64	55.60	ND	52.16	ND	NA	NA	NA	3310.48	
MW-1	07/31/12	3362.64	55.60	50.41	50.51	0.10	NA	0.10	10.00	3312.22	
MW-1	07/31/12	3362.64	55.60	ND	52.20	ND	NA	NA	NA	3310.44	
MW-1	08/08/12	3362.64	55.60	50.46	50.57	0.11	NA	NA	NA	3312.16	
MW-1	08/13/12	3362.64	55.60	50.41	50.48	0.07	NA	NA	NA	3312.22	
MW-1	08/13/12	3362.64	55.60	50.41	50.48	0.07	NA	NA	NA	3312.22	
MW-1	08/20/12	3362.64	55.60	50.38	50.48	0.10	NA	NA	NA	3312.25	
MW-1	09/05/12	3362.64	55.60	50.42	50.54	0.12	NA	NA	NA	3312.20	
MW-1	09/12/12	3362.64	55.60	ND	50.30	ND	NA	NA	NA	3312.34	
MW-1	09/19/12	3362.64	55.60	50.27	50.32	0.05	NA	NA	NA	3312.36	
MW-1	09/25/12	3362.64	55.60	50.19	50.28	0.09	NA	NA	NA	3312.44	
MW-1	10/02/12	3362.64	55.60	50.24	50.31	0.07	NA	NA	NA	3312.39	
MW-1	10/10/12	3362.64	55.60	50.28	50.32	0.04	NA	NA	NA	3312.35	
MW-1	10/16/12	3362.64	55.60	50.07	50.14	0.07	NA	NA	NA	3312.56	
MW-1	10/24/12	3362.64	55.60	50.10	50.21	0.11	NA	NA	NA	3312.52	
MW-1	10/30/12	3362.64	55.60	50.18	50.27	0.09	NA	NA	NA	3312.45	
MW-1	11/06/12	3362.64	55.60	50.22	50.35	0.13	NA	NA	NA	3312.40	
MW-1	11/13/12	3362.64	55.60	50.30	50.45	0.15	NA	NA	NA	3312.32	
MW-1	11/19/12	3362.64	NG	NG	NG	NG	NG	NG	NG	NG	
MW-1	12/05/12	3362.64	55.60	50.31	50.46	0.15	NA	NA	NA	3312.31	
MW-1	12/11/12	3362.64	55.60	50.36	50.50	0.14	NA	NA	NA	3312.26	
MW-2	09/14/05	3367.00	NG	NA	43.42	NA	NA	NA	NA	3323.58	
MW-2	09/20/05	3367.00	58.30	NA	45.76	NA	NA	NA	NA	3321.24	
MW-2	09/21/05	3367.00	NG	NA	45.74	NA	NA	NA	NA	3321.26	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-2	10/05/05	3367.00	NG	NA	45.68	NA	NA	NA	NA	3321.32	
MW-2	10/27/05	3367.00	NG	NA	45.74	NA	NA	NA	NA	3321.26	
MW-2	11/10/05	3367.00	NG	NA	45.74	NA	NA	NA	NA	3321.26	
MW-2	12/21/05	3367.00	56.25	NA	45.64	NA	NA	NA	NA	3321.36	
MW-2	12/29/05	3367.00	NG	NA	45.46	NA	NA	NA	NA	3321.54	
MW-2	01/05/06	3367.00	NG	NA	45.76	NA	NA	NA	NA	3321.24	
MW-2	02/09/06	3367.00	NG	NA	45.58	NA	NA	NA	NA	3321.42	
MW-2	02/22/06	3367.00	NG	NA	45.48	NA	NA	NA	NA	3321.52	
MW-2	03/28/06	3367.00	56.38	NA	45.68	NA	NA	NA	NA	3321.32	Sampled
MW-2	04/13/06	3367.00	NG	NA	45.77	NA	NA	NA	NA	3321.23	
MW-2	04/25/06	3367.00	NG	NA	45.83	NA	NA	NA	NA	3321.17	
MW-2	05/11/06	3367.00	NG	NA	45.83	NA	NA	NA	NA	3321.17	
MW-2	05/24/06	3367.00	NG	NA	45.95	NA	NA	NA	NA	3321.05	
MW-2	06/07/06	3367.00	NG	NA	46.04	NA	NA	NA	NA	3320.96	
MW-2	06/15/06	3367.00	NG	NA	45.95	NA	NA	NA	NA	3321.05	Sampled
MW-2	06/29/06	3367.00	NG	NA	46.23	NA	NA	NA	NA	3320.77	
MW-2	07/11/06	3367.00	NG	NA	46.22	NA	NA	NA	NA	3320.78	
MW-2	07/25/06	3367.00	NG	NA	46.32	NA	NA	NA	NA	3320.68	
MW-2	08/09/06	3367.00	55.93	NA	46.37	NA	NA	NA	NA	3320.63	
MW-2	08/22/06	3367.00	NG	NA	46.48	NA	NA	NA	NA	3320.52	
MW-2	09/12/06	3367.00	56.00	NA	46.42	NA	NA	NA	NA	3320.58	Sampled
MW-2	09/19/06	3367.00	NG	NA	46.35	NA	NA	NA	NA	3320.65	
MW-2	10/03/06	3367.00	NG	NA	46.30	NA	NA	NA	NA	3320.70	
MW-2	10/17/06	3367.00	NG	NA	46.25	NA	NA	NA	NA	3320.75	
MW-2	11/15/06	3367.00	NG	NA	46.30	NA	NA	NA	NA	3320.70	
MW-2	12/06/06	3367.00	55.82	NA	46.15	NA	NA	NA	NA	3320.85	Sampled
MW-2	12/13/06	3367.00	NG	NA	46.21	NA	NA	NA	NA	3320.79	
MW-2	12/27/06	3367.00	NG	NA	46.44	NA	NA	NA	NA	3320.56	
MW-2	01/03/07	3367.00	NG	NA	46.02	NA	NA	NA	NA	3320.98	
MW-2	01/09/07	3367.00	NG	NA	46.17	NA	NA	NA	NA	3320.83	
MW-2	01/18/07	3367.00	NG	NA	45.99	NA	NA	NA	NA	3321.01	
MW-2	01/25/07	3367.00	NG	NA	45.92	NA	NA	NA	NA	3321.08	
MW-2	01/31/07	3367.00	NG	NA	45.73	NA	NA	NA	NA	3321.27	
MW-2	02/07/07	3367.00	NG	NA	45.89	NA	NA	NA	NA	3321.11	
MW-2	02/14/07	3367.00	NG	NA	45.93	NA	NA	NA	NA	3321.07	
MW-2	02/28/07	3367.00	55.70	NA	45.68	NA	NA	NA	NA	3321.32	Sampled
MW-2	03/07/07	3367.00	NG	NA	45.95	NA	NA	NA	NA	3321.05	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-2	04/04/07	3367.00	NG	NA	46.02	NA	NA	NA	NA	3320.98	
MW-2	05/03/07	3367.00	NG	NA	45.80	NA	NA	NA	NA	3321.20	
MW-2	05/30/07	3367.00	55.67	NA	45.73	NA	NA	NA	NA	3321.27	Sampled
MW-2	06/06/07	3367.00	55.66	NA	45.68	NA	NA	NA	NA	3321.32	
MW-2	07/05/07	3367.00	55.63	NA	45.32	NA	NA	NA	NA	3321.68	
MW-2	07/31/07	3367.00	55.65	NA	45.37	NA	NA	NA	NA	3321.63	
MW-2	09/07/07	3367.00	55.65	NA	46.07	NA	NA	NA	NA	3320.93	Sampled
MW-2	10/10/07	3367.00	55.65	NA	46.08	NA	NA	NA	NA	3320.92	
MW-2	11/13/07	3367.00	55.73	NA	46.01	NA	NA	NA	NA	3320.99	Sampled
MW-2	12/05/07	3367.00	55.73	NA	45.96	NA	NA	NA	NA	3321.04	
MW-2	01/09/08	3367.00	55.83	NA	45.89	NA	NA	NA	NA	3321.11	
MW-2	02/06/08	3367.00	55.83	NA	45.90	NA	NA	NA	NA	3321.10	
MW-2	02/27/08	3367.00	55.84	NA	45.95	NA	NA	NA	NA	3321.05	Sampled
MW-2	04/02/08	3367.00	55.60	NA	45.90	NA	NA	NA	NA	3321.10	
MW-2	05/20/08	3367.00	55.60	NA	46.17	NA	NA	NA	NA	3320.83	Sampled
MW-2	06/04/08	3367.00	55.60	NA	46.20	NA	NA	NA	NA	3320.80	
MW-2	06/18/08	3367.00	55.60	NA	46.24	NA	NA	NA	NA	3320.76	
MW-2	07/07/08	3367.00	55.60	NA	46.30	NA	NA	NA	NA	3320.70	
MW-2	08/18/08	3367.00	56.32	NA	46.56	NA	NA	NA	NA	3320.44	Sampled
MW-2	10/15/08	3367.00	56.32	NA	46.68	NA	NA	NA	NA	3320.32	
MW-2	11/20/08	3367.00	56.31	NA	46.84	NA	NA	NA	NA	3320.16	Sampled
MW-2	12/21/08	3367.00	56.31	NA	46.88	NA	NA	NA	NA	3320.12	
MW-2	01/07/09	3367.00	56.28	NA	46.71	NA	NA	NA	NA	3320.29	
MW-2	02/04/09	3367.00	56.28	NA	46.86	NA	NA	NA	NA	3320.14	
MW-2	02/18/09	3367.00	56.50	NA	46.83	NA	NA	NA	NA	3320.17	Sampled
MW-2	03/04/09	3367.00	56.51	NA	46.68	NA	NA	NA	NA	3320.32	
MW-2	04/08/09	3367.00	56.51	NA	46.58	NA	NA	NA	NA	3320.42	
MW-2	05/06/09	3367.00	56.51	NA	46.65	NA	NA	NA	NA	3320.35	
MW-2	05/20/09	3367.00	56.51	NA	46.83	NA	NA	NA	NA	3320.17	Sampled
MW-2	06/03/09	3367.00	56.51	NA	46.85	NA	NA	NA	NA	3320.15	
MW-2	07/15/09	3367.00	56.51	NA	46.66	NA	NA	NA	NA	3320.34	
MW-2	08/05/09	3367.00	56.51	NA	46.59	NA	NA	NA	NA	3320.41	
MW-2	08/27/09	3367.00	56.30	NA	46.55	NA		0.00	5.00	3320.45	Sampled
MW-2	09/02/09	3367.00	56.30	NA	46.58	NA	NA	NA	NA	3320.42	
MW-2	10/07/09	3367.00	56.30	NA	46.52	NA	NA	NA	NA	3320.48	
MW-2	11/04/09	3367.00	56.30	NA	46.63	NA	NA	NA	NA	3320.37	
MW-2	11/18/09	3367.00	56.30	NA	46.48	NA	NA	NA	NA	3320.52	Sampled

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-2	12/02/09	3367.00	56.30	NA	46.56	NA	NA	NA	NA	3320.44	
MW-2	01/06/10	3367.00	56.30	NA	46.33	NA	NA	NA	NA	3320.67	
MW-2	02/09/10	3367.00	56.30	NA	46.42	NA	NA	NA	NA	3320.58	Sampled
MW-2	03/10/10	3367.00	56.30	NA	46.13	NA	NA	NA	NA	3320.87	
MW-2	04/07/10	3367.00	56.30	NA	46.27	NA	NA	NA	NA	3320.73	
MW-2	05/05/10	3367.00	56.30	NA	46.22	NA	NA	NA	NA	3320.78	
MW-2	05/11/10	3367.00	56.30	NA	46.20	NA	NA	NA	NA	3320.80	Sampled
MW-2	06/02/10	3367.00	56.30	NA	46.21	NA	NA	NA	NA	3320.79	
MW-2	07/07/10	3367.00	56.30	NA	46.32	NA	NA	NA	NA	3320.68	
MW-2	08/03/10	3367.00	56.30	NA	46.25	NA	NA	NA	NA	3320.75	
MW-2	08/26/10	3367.00	56.30	NA	46.23	NA	NA	NA	NA	3320.77	Sampled
MW-2	09/01/10	3367.00	56.30	NA	46.18	NA	NA	NA	NA	3320.82	
MW-2	10/13/10	3367.00	56.30	NA	46.26	NA	NA	NA	NA	3320.74	
MW-2	11/18/10	3367.00	56.30	NA	46.07	NA	NA	NA	NA	3320.93	Sampled
MW-2	11/24/10	3367.00	56.30	NA	46.03	NA	NA	NA	NA	3320.97	
MW-2	12/08/10	3367.00	56.30	NA	46.03	NA	NA	NA	NA	3320.97	
MW-2	01/12/11	3367.00	56.30	NA	45.94	NA	NA	NA	NA	3321.06	
MW-2	02/08/11	3367.00	56.30	NA	45.70	NA	NA	NA	NA	3321.30	
MW-2	02/23/11	3367.00	56.30	NA	45.74	NA	NA	NA	NA	3321.26	Sampled
MW-2	03/08/11	3367.00	56.30	NA	45.75	NA	NA	NA	NA	3321.25	
MW-2	04/13/11	3367.00	56.30	NA	45.74	NA	NA	NA	NA	3321.26	
MW-2	06/02/11	3367.00	56.30	NA	45.89	NA	NA	NA	NA	3321.11	Sampled
MW-2	07/27/11	3367.00	56.30	NA	46.00	NA	NA	NA	NA	3321.00	
MW-2	08/30/11	3367.00	56.30	NA	46.06	NA	NA	NA	NA	3320.94	Sampled
MW-2	09/14/11	3367.00	56.30	NA	46.18	NA	NA	NA	NA	3320.82	
MW-2	10/12/11	3367.00	56.30	NA	46.23	NA	NA	NA	NA	3320.77	
MW-2	11/29/11	3367.00	56.30	NA	46.32	NA	NA	NA	NA	3320.68	Sampled
MW-2	12/27/11	3367.00	56.30	NA	46.20	NA	NA	NA	NA	3320.80	
MW-2	01/18/12	3367.00	56.30	NA	46.16	NA	NA	NA	NA	3320.84	
MW-2	02/02/12	3367.00	56.30	ND	46.01	ND	NA	NA	NA	3320.99	
MW-2	02/15/12	3367.00	56.30	ND	46.11	ND	NA	NA	NA	3320.89	
MW-2	02/23/12	3367.00	56.30	ND	45.95	ND	NA	NA	NA	3321.05	
MW-2	04/20/12	3367.00	56.30	ND	46.13	ND	NA	NA	NA	3320.87	
MW-2	05/23/12	3367.00	56.30	ND	46.35	ND	NA	NA	NA	3320.65	
MW-2	07/18/12	3367.00	56.30	ND	47.73	ND	NA	NA	NA	3319.27	
MW-2	09/12/12	3367.00	56.30	ND	47.93	ND	NA	NA	NA	3319.07	
MW-2	10/16/12	3367.00	56.30	ND	47.74	ND	NA	NA	NA	3319.26	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-2	11/19/12	3367.00	56.36	ND	47.91	ND	NA	NA	NA	3319.09	
MW-3	09/14/05	3369.10	NG	NA	43.84	NA	NA	NA	NA	3325.26	
MW-3	09/20/05	3369.1	58.42	NA	47.58	NA	NA	NA	NA	3321.52	
MW-3	09/21/05	3369.1	NG	NA	47.52	NA	NA	NA	NA	3321.58	
MW-3	10/05/05	3369.1	NG	NA	47.50	NA	NA	NA	NA	3321.60	
MW-3	10/27/05	3369.1	NG	NA	47.55	NA	NA	NA	NA	3321.55	
MW-3	11/10/05	3369.1	NG	NA	47.55	NA	NA	NA	NA	3321.55	
MW-3	12/21/05	3369.1	55.90	NA	47.43	NA	NA	NA	NA	3321.67	
MW-3	12/29/05	3369.1	NG	NA	47.23	NA	NA	NA	NA	3321.87	
MW-3	01/05/06	3369.1	NG	NA	47.50	NA	NA	NA	NA	3321.60	
MW-3	02/09/06	3369.1	NG	NA	47.33	NA	NA	NA	NA	3321.77	
MW-3	02/22/06	3369.1	NG	NA	47.24	NA	NA	NA	NA	3321.86	
MW-3	02/28/06	3369.1	55.95	NA	47.41	NA	NA	NA	NA	3321.69	
MW-3	04/13/06	3369.1	NG	NA	47.53	NA	NA	NA	NA	3321.57	
MW-3	04/25/06	3369.1	NG	NA	47.64	NA	NA	NA	NA	3321.46	
MW-3	05/11/06	3369.1	NG	NA	47.69	NA	NA	NA	NA	3321.41	
MW-3	05/24/06	3369.1	NG	NA	47.72	NA	NA	NA	NA	3321.38	
MW-3	06/07/06	3369.1	NG	NA	47.83	NA	NA	NA	NA	3321.27	
MW-3	06/15/06	3369.1	NG	NA	47.76	NA	NA	NA	NA	3321.34	Sampled
MW-3	06/29/06	3369.1	NG	NA	48.02	NA	NA	NA	NA	3321.08	
MW-3	07/11/06	3369.1	NG	NA	48.02	NA	NA	NA	NA	3321.08	
MW-3	07/25/06	3369.1	NG	NA	48.11	NA	NA	NA	NA	3320.99	
MW-3	08/09/06	3369.1	55.67	NA	48.17	NA	NA	NA	NA	3320.93	
MW-3	08/22/06	3369.1	NG	NA	48.28	NA	NA	NA	NA	3320.82	
MW-3	09/12/06	3369.1	55.58	NA	48.46	NA	NA	NA	NA	3320.64	Sampled
MW-3	09/19/06	3369.1	NG	NA	48.20	NA	NA	NA	NA	3320.90	
MW-3	10/03/06	3369.1	NG	NA	48.16	NA	NA	NA	NA	3320.94	
MW-3	10/17/06	3369.1	NG	NA	48.07	NA	NA	NA	NA	3321.03	
MW-3	10/31/06	3369.1	NG	NA	48.11	NA	NA	NA	NA	3320.99	
MW-3	11/15/06	3369.1	NG	NA	48.09	NA	NA	NA	NA	3321.01	
MW-3	12/06/06	3369.1	55.52	NA	47.94	NA	NA	NA	NA	3321.16	Sampled
MW-3	12/13/06	3369.1	NG	NA	47.98	NA	NA	NA	NA	3321.12	
MW-3	12/27/06	3369.1	NG	NA	47.75	NA	NA	NA	NA	3321.35	
MW-3	01/03/07	3369.1	NG	NA	47.83	NA	NA	NA	NA	3321.27	
MW-3	01/09/07	3369.1	NG	NA	47.96	NA	NA	NA	NA	3321.14	
MW-3	01/18/07	3369.1	NG	NA	47.78	NA	NA	NA	NA	3321.32	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-3	01/25/07	3369.1	NG	NA	47.71	NA	NA	NA	NA	3321.39	
MW-3	01/31/07	3369.1	NG	NA	47.52	NA	NA	NA	NA	3321.58	
MW-3	02/07/07	3369.1	NG	NA	47.66	NA	NA	NA	NA	3321.44	
MW-3	02/14/07	3369.1	NG	NA	47.70	NA	NA	NA	NA	3321.40	
MW-3	02/28/07	3369.1	55.48	NA	47.49	NA	NA	NA	NA	3321.61	Sampled
MW-3	03/07/07	3369.1	NG	NA	47.74	NA	NA	NA	NA	3321.36	
MW-3	04/04/07	3369.1	NG	NA	47.82	NA	NA	NA	NA	3321.28	
MW-3	05/03/07	3369.1	NG	NA	47.56	NA	NA	NA	NA	3321.54	
MW-3	05/30/07	3369.1	55.22	NA	47.49	NA	NA	NA	NA	3321.61	Sampled
MW-3	06/06/07	3369.1	55.22	NA	47.56	NA	NA	NA	NA	3321.54	
MW-3	07/05/07	3369.1	55.32	NA	47.63	NA	NA	NA	NA	3321.47	
MW-3	07/31/07	3369.1	55.34	NA	47.68	NA	NA	NA	NA	3321.42	
MW-3	09/07/07	3369.1	55.34	NA	47.92	NA	NA	NA	NA	3321.18	Sampled
MW-3	10/10/07	3369.1	55.32	NA	47.83	NA	NA	NA	NA	3321.27	
MW-3	11/13/07	3369.1	55.32	NA	47.78	NA	NA	NA	NA	3321.32	Sampled
MW-3	12/05/07	3369.1	55.32	NA	47.74	NA	NA	NA	NA	3321.36	
MW-3	01/09/08	3369.1	55.25	NA	47.63	NA	NA	NA	NA	3321.47	
MW-3	02/06/08	3369.1	55.25	NA	47.63	NA	NA	NA	NA	3321.47	Sampled
MW-3	02/27/08	3369.1	55.18	NA	47.63	NA	NA	NA	NA	3321.47	
MW-3	04/02/08	3369.1	55.20	NA	47.62	NA	NA	NA	NA	3321.48	Sampled
MW-3	05/20/08	3369.1	55.20	NA	47.92	NA	NA	NA	NA	3321.15	Sampled
MW-3	06/04/08	3369.1	55.20	NA	47.95	NA	NA	NA	NA	3321.10	
MW-3	06/18/08	3369.1	55.20	NA	48.00	NA	NA	NA	NA	3321.08	
MW-3	07/07/08	3369.1	55.20	NA	48.02	NA	NA	NA	NA	3321.08	Sampled
MW-3	08/18/08	3369.1	55.35	NA	48.29	NA	NA	NA	NA	3320.81	
MW-3	10/15/08	3369.1	55.35	NA	48.41	NA	NA	NA	NA	3320.69	
MW-3	11/20/08	3369.1	55.33	NA	48.60	NA	NA	NA	NA	3320.50	Sampled
MW-3	12/21/08	3369.1	55.33	NA	48.65	NA	NA	NA	NA	3320.45	
MW-3	01/07/09	3369.1	55.28	NA	48.49	NA	NA	NA	NA	3320.61	
MW-3	02/04/09	3369.1	55.27	NA	48.64	NA	NA	NA	NA	3320.46	
MW-3	02/18/09	3369.1	55.28	NA	48.59	NA	NA	NA	NA	3320.51	Sampled
MW-3	03/04/09	3369.1	55.24	NA	48.47	NA	NA	NA	NA	3320.63	
MW-3	04/08/09	3369.1	55.24	NA	48.31	NA	NA	NA	NA	3320.79	
MW-3	05/06/09	3369.1	55.24	NA	48.38	NA	NA	NA	NA	3320.72	
MW-3	05/20/09	3369.1	55.24	NA	48.59	NA	NA	NA	NA	3320.51	Sampled
MW-3	06/03/09	3369.1	55.24	NA	48.55	NA	NA	NA	NA	3320.55	
MW-3	07/15/09	3369.1	55.24	NA	48.33	NA	NA	NA	NA	3320.77	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-3	08/05/09	3369.1	55.24	NA	48.26	NA	NA	NA	NA	3320.84	
MW-3	08/27/09	3369.1	56.18	NA	48.21	NA		0.00	4.00	3320.89	Sampled
MW-3	09/02/09	3369.1	56.18	NA	48.23	NA	NA	NA	NA	3320.87	
MW-3	10/07/09	3369.1	56.18	NA	48.14	NA	NA	NA	NA	3320.96	
MW-3	11/04/09	3369.1	56.18	NA	48.30	NA	NA	NA	NA	3320.80	
MW-3	11/18/09	3369.1	56.18	NA	48.14	NA	NA	NA	NA	3320.96	Sampled
MW-3	12/02/09	3369.1	56.18	NA	48.25	NA	NA	NA	NA	3320.85	
MW-3	01/06/10	3369.1	56.18	NA	47.99	NA	NA	NA	NA	3321.11	
MW-3	02/09/10	3369.1	56.18	NA	48.06	NA	NA	NA	NA	3321.04	Sampled
MW-3	03/10/10	3369.1	56.18	NA	47.85	NA	NA	NA	NA	3321.25	
MW-3	04/07/10	3369.1	56.18	NA	48.00	NA	NA	NA	NA	3321.10	
MW-3	05/05/10	3369.1	56.18	NA	47.95	NA	NA	NA	NA	3321.15	
MW-3	05/11/10	3369.1	56.18	NA	47.92	NA	NA	NA	NA	3321.18	Sampled
MW-3	06/02/10	3369.1	56.18	NA	47.90	NA	NA	NA	NA	3321.20	
MW-3	07/07/10	3369.1	56.18	NA	47.90	NA	NA	NA	NA	3321.20	
MW-3	08/03/10	3369.1	56.18	NA	47.96	NA	NA	NA	NA	3321.14	
MW-3	08/26/10	3369.1	56.18	NA	47.97	NA	NA	NA	NA	3321.13	Sampled
MW-3	09/01/10	3369.1	56.18	NA	47.90	NA	NA	NA	NA	3321.20	
MW-3	10/13/10	3369.1	56.18	NA	47.90	NA	NA	NA	NA	3321.20	
MW-3	11/18/10	3369.1	56.18	NA	47.75	NA	NA	NA	NA	3321.35	Sampled
MW-3	11/24/10	3369.1	56.18	NA	47.67	NA	NA	NA	NA	3321.43	
MW-3	12/08/10	3369.1	56.18	NA	47.68	NA	NA	NA	NA	3321.42	
MW-3	01/12/11	3369.1	56.18	NA	47.58	NA	NA	NA	NA	3321.52	
MW-3	02/08/11	3369.1	56.18	NA	47.39	NA	NA	NA	NA	3321.71	
MW-3	02/23/11	3369.1	56.18	NA	47.41	NA	NA	NA	NA	3321.69	Sampled
MW-3	03/08/11	3369.1	56.18	NA	47.41	NA	NA	NA	NA	3321.69	
MW-3	04/13/11	3369.1	56.18	NA	47.38	NA	NA	NA	NA	3321.72	
MW-3	06/02/11	3369.1	56.18	NA	47.51	NA	NA	NA	NA	3321.59	Sampled
MW-3	07/27/11	3369.1	56.18	NA	47.66	NA	NA	NA	NA	3321.44	
MW-3	08/30/11	3369.1	56.18	NA	47.73	NA	NA	NA	NA	3321.37	Sampled
MW-3	09/14/11	3369.1	56.18	NA	47.82	NA	NA	NA	NA	3321.28	
MW-3	10/12/11	3369.1	56.18	NA	47.86	NA	NA	NA	NA	3321.24	
MW-3	11/29/11	3369.1	56.18	NA	47.94	NA	NA	NA	NA	3321.16	Sampled
MW-3	12/27/11	3369.1	56.18	NA	47.88	NA	NA	NA	NA	3321.22	
MW-3	01/18/12	3369.1	56.18	NA	47.83	NA	NA	NA	NA	3321.27	
MW-3	02/02/12	3369.1	56.18	NA	47.72	NA	NA	NA	NA	3321.38	
MW-3	02/15/12	3369.1	56.18	NA	47.77	NA	NA	NA	NA	3321.33	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-3	02/23/12	3369.1	56.18	NA	47.64	NA	NA	NA	NA	3321.46	
MW-3	04/20/12	3369.1	56.18	NA	47.79	NA	NA	NA	NA	3321.31	
MW-3	05/23/12	3369.1	56.18	NA	48.11	NA	NA	NA	NA	3320.99	
MW-3	07/18/12	3369.1	56.18	NA	49.64	NA	NA	NA	NA	3319.46	
MW-3	09/12/12	3369.1	56.18	NA	49.75	NA	NA	NA	NA	3319.35	
MW-3	10/16/12	3369.1	56.18	NA	49.54	NA	NA	NA	NA	3319.56	
MW-3	11/19/12	3369.1	55.00	NA	49.72	NA	NA	NA	NA	3319.38	
MW-4	12/21/05	3365.12	59.50	NA	43.93	NA	NA	NA	NA	3321.19	
MW-4	12/29/05	3365.12	NG	NA	43.76	NA	NA	NA	NA	3321.36	
MW-4	01/05/06	3365.12	NG	NA	44.02	NA	NA	NA	NA	3321.10	
MW-4	02/09/06	3365.12	NG	NA	43.82	NA	NA	NA	NA	3321.30	
MW-4	02/22/06	3365.12	NG	NA	43.80	NA	NA	NA	NA	3321.32	
MW-4	03/28/06	3365.12	59.43	NA	43.91	NA	NA	NA	NA	3321.21	Sampled
MW-4	04/13/06	3365.12	NG	NA	44.02	NA	NA	NA	NA	3321.10	
MW-4	04/25/06	3365.12	NG	NA	44.13	NA	NA	NA	NA	3320.99	
MW-4	05/11/06	3365.12	NG	NA	44.20	NA	NA	NA	NA	3320.92	
MW-4	05/24/06	3365.12	NG	NA	44.21	NA	NA	NA	NA	3320.91	
MW-4	06/07/06	3365.12	NG	NA	44.35	NA	NA	NA	NA	3320.77	
MW-4	06/15/06	3365.12	NG	NA	44.23	NA	NA	NA	NA	3320.89	Sampled
MW-4	06/29/06	3365.12	NG	NA	44.48	NA	NA	NA	NA	3320.64	
MW-4	07/11/06	3365.12	NG	NA	44.49	NA	NA	NA	NA	3320.63	
MW-4	07/25/06	3365.12	NG	NA	44.53	NA	NA	NA	NA	3320.59	
MW-4	08/09/06	3365.12	59.50	NA	44.66	NA	NA	NA	NA	3320.46	
MW-4	08/22/06	3365.12	NG	NA	44.75	NA	NA	NA	NA	3320.37	
MW-4	09/12/06	3365.12	59.46	NA	44.66	NA	NA	NA	NA	3320.46	Sampled
MW-4	09/19/06	3365.12	NG	NA	44.60	NA	NA	NA	NA	3320.52	
MW-4	10/03/06	3365.12	NG	NA	44.55	NA	NA	NA	NA	3320.57	
MW-4	10/17/06	3365.12	NG	NA	44.48	NA	NA	NA	NA	3320.64	
MW-4	10/31/06	3365.12	NG	NA	44.53	NA	NA	NA	NA	3320.59	
MW-4	11/15/06	3365.12	NG	NA	44.53	NA	NA	NA	NA	3320.59	
MW-4	12/06/06	3365.12	59.42	NA	44.32	NA	NA	NA	NA	3320.80	Sampled
MW-4	12/13/06	3365.12	NG	NA	44.37	NA	NA	NA	NA	3320.75	
MW-4	12/27/06	3365.12	NG	NA	44.18	NA	NA	NA	NA	3320.94	
MW-4	01/03/07	3365.12	NG	NA	44.27	NA	NA	NA	NA	3320.85	
MW-4	01/09/07	3365.12	NG	NA	44.43	NA	NA	NA	NA	3320.69	
MW-4	01/18/07	3365.12	NG	NA	44.23	NA	NA	NA	NA	3320.89	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-4	01/25/07	3365.12	NG	NA	44.18	NA	NA	NA	NA	3320.94	
MW-4	01/31/07	3365.12	NG	NA	44.00	NA	NA	NA	NA	3321.12	
MW-4	02/07/07	3365.12	NG	NA	44.14	NA	NA	NA	NA	3320.98	
MW-4	02/14/07	3365.12	NG	NA	44.19	NA	NA	NA	NA	3320.93	
MW-4	02/28/07	3365.12	59.40	NA	43.92	NA	NA	NA	NA	3321.20	Sampled
MW-4	03/07/07	3365.12	NG	NA	43.64	NA	NA	NA	NA	3321.48	
MW-4	04/04/07	3365.12	NG	NA	44.23	NA	NA	NA	NA	3320.89	
MW-4	05/03/07	3365.12	NG	NA	44.06	NA	NA	NA	NA	3321.06	
MW-4	05/30/07	3365.12	59.50	NA	44.00	NA	NA	NA	NA	3321.12	Sampled
MW-4	06/06/07	3365.12	59.50	NA	43.85	NA	NA	NA	NA	3321.27	
MW-4	07/05/07	3365.12	59.47	NA	44.06	NA	NA	NA	NA	3321.06	
MW-4	07/31/07	3365.12	59.47	NA	44.10	NA	NA	NA	NA	3321.02	
MW-4	09/07/07	3365.12	59.47	NA	44.35	NA	NA	NA	NA	3320.77	Sampled
MW-4	10/10/07	3365.12	59.47	NA	44.83	NA	NA	NA	NA	3320.29	
MW-4	11/13/07	3365.12	59.36	NA	44.29	NA	NA	NA	NA	3320.83	Sampled
MW-4	12/05/07	3365.12	59.36	NA	44.24	NA	NA	NA	NA	3320.88	
MW-4	01/09/08	3365.12	59.46	NA	44.17	NA	NA	NA	NA	3320.95	
MW-4	02/06/08	3365.12	59.46	NA	44.16	NA	NA	NA	NA	3320.96	
MW-4	02/27/08	3365.12	59.47	NA	44.18	NA	NA	NA	NA	3320.94	Sampled
MW-4	04/02/08	3365.12	59.40	NA	44.15	NA	NA	NA	NA	3320.97	
MW-4	05/20/08	3365.12	59.40	NA	44.44	NA	NA	NA	NA	3320.68	Sampled
MW-4	06/18/08	3365.12	59.40	NA	44.51	NA	NA	NA	NA	3320.61	
MW-4	07/07/08	3365.12	59.40	NA	44.60	NA	NA	NA	NA	3320.52	
MW-4	08/18/08	3365.12	59.35	NA	44.80	NA	NA	NA	NA	3320.32	Sampled
MW-4	10/15/08	3365.12	59.35	NA	44.93	NA	NA	NA	NA	3320.19	
MW-4	11/20/08	3365.12	59.44	NA	45.08	NA	NA	NA	NA	3320.04	Sampled
MW-4	12/21/08	3365.12	59.44	NA	45.12	NA	NA	NA	NA	3320.00	
MW-4	01/07/09	3365.12	59.44	NA	44.94	NA	NA	NA	NA	3320.18	
MW-4	02/04/09	3365.12	59.43	NA	45.08	NA	NA	NA	NA	3320.04	
MW-4	02/18/09	3365.12	59.38	NA	45.00	NA	NA	NA	NA	3320.12	Sampled
MW-4	03/04/09	3365.12	59.21	NA	44.93	NA	NA	NA	NA	3320.19	
MW-4	04/08/09	3365.12	59.21	NA	44.79	NA	NA	NA	NA	3320.33	
MW-4	05/06/09	3365.12	59.21	NA	44.88	NA	NA	NA	NA	3320.24	
MW-4	05/20/09	3365.12	59.21	NA	45.06	NA	NA	NA	NA	3320.06	Sampled
MW-4	06/03/09	3365.12	59.21	NA	45.08	NA	NA	NA	NA	3320.04	
MW-4	07/15/09	3365.12	59.21	NA	44.93	NA	NA	NA	NA	3320.19	
MW-4	08/05/09	3365.12	59.21	NA	44.84	NA	NA	NA	NA	3320.28	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Vacuum to Jal 14" Mainline #3
 NMOCD NO.: 1R-455
 SRS #2003-00117
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-4	08/27/09	3365.12	59.40	NA	44.81	NA		0.00	29.00	3320.31	Sampled
MW-4	09/02/09	3365.12	59.40	NA	44.83	NA	NA	NA	NA	3320.29	
MW-4	10/07/09	3365.12	59.40	NA	44.78	NA	NA	NA	NA	3320.34	
MW-4	11/04/09	3365.12	59.40	NA	44.89	NA	NA	NA	NA	3320.23	
MW-4	11/18/09	3365.12	59.40	NA	44.73	NA	NA	NA	NA	3320.39	Sampled
MW-4	12/02/09	3365.12	59.40	NA	44.84	NA	NA	NA	NA	3320.28	
MW-4	01/06/10	3365.12	59.40	NA	44.57	NA	NA	NA	NA	3320.55	
MW-4	02/09/10	3365.12	59.40	NA	44.63	NA	NA	NA	NA	3320.49	Sampled
MW-4	03/10/10	3365.12	59.40	NA	44.36	NA	NA	NA	NA	3320.76	
MW-4	04/07/10	3365.12	59.40	NA	44.50	NA	NA	NA	NA	3320.62	
MW-4	05/05/10	3365.12	59.40	NA	44.46	NA	NA	NA	NA	3320.66	
MW-4	05/11/10	3365.12	59.40	NA	44.45	NA	NA	NA	NA	3320.67	Sampled
MW-4	06/02/10	3365.12	59.40	NA	44.43	NA	NA	NA	NA	3320.69	
MW-4	07/07/10	3365.12	59.40	NA	44.55	NA	NA	NA	NA	3320.57	
MW-4	08/03/10	3365.12	59.40	NA	44.52	NA	NA	NA	NA	3320.60	
MW-4	08/26/10	3365.12	59.40	NA	44.52	NA	NA	NA	NA	3320.60	Sampled
MW-4	09/01/10	3365.12	59.40	NA	44.43	NA	NA	NA	NA	3320.69	
MW-4	10/13/10	3365.12	59.40	NA	44.51	NA	NA	NA	NA	3320.61	
MW-4	11/18/10	3365.12	59.40	NA	44.36	NA	NA	NA	NA	3320.76	Sampled
MW-4	11/24/10	3365.12	59.40	NA	44.29	NA	NA	NA	NA	3320.83	
MW-4	12/08/10	3365.12	59.40	NA	44.28	NA	NA	NA	NA	3320.84	
MW-4	01/12/11	3365.12	59.40	NA	44.20	NA	NA	NA	NA	3320.92	
MW-4	02/08/11	3365.12	59.40	NA	43.97	NA	NA	NA	NA	3321.15	
MW-4	02/23/11	3365.12	59.40	NA	44.00	NA	NA	NA	NA	3321.12	Sampled
MW-4	03/08/11	3365.12	59.40	NA	44.05	NA	NA	NA	NA	3321.07	
MW-4	04/13/11	3365.12	59.40	NA	43.99	NA	NA	NA	NA	3321.13	
MW-4	06/01/11	3365.12	59.40	NA	44.11	NA	NA	NA	NA	3321.01	
MW-4	06/02/11	3365.12	59.40	NA	44.14	NA	NA	NA	NA	3320.98	Sampled
MW-4	07/27/11	3365.12	59.40	NA	44.30	NA	NA	NA	NA	3320.82	
MW-4	08/30/11	3365.12	59.40	NA	44.35	NA	NA	NA	NA	3320.77	Sampled
MW-4	09/14/11	3365.12	59.40	NA	44.48	NA	NA	NA	NA	3320.64	
MW-4	10/12/11	3365.12	59.40	NA	44.44	NA	NA	NA	NA	3320.68	
MW-4	11/29/11	3365.12	59.40	NA	44.57	NA	NA	NA	NA	3320.55	Sampled
MW-4	12/27/11	3365.12	59.40	NA	44.49	NA	NA	NA	NA	3320.63	
MW-4	01/18/12	3365.12	59.40	NA	44.39	NA	NA	NA	NA	3320.73	
MW-4	02/02/12	3365.12	59.40	NA	44.28	NA	NA	NA	NA	3320.84	
MW-4	02/15/12	3365.12	59.40	NA	44.40	NA	NA	NA	NA	3320.72	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-4	02/23/12	3365.12	59.40	NA	44.24	NA	NA	NA	NA	3320.88	
MW-4	04/20/12	3365.12	59.40	NA	44.40	NA	NA	NA	NA	3320.72	
MW-4	05/23/12	3365.12	59.40	NA	44.58	NA	NA	NA	NA	3320.54	
MW-4	07/18/12	3365.12	59.40	NA	45.92	NA	NA	NA	NA	3319.20	
MW-4	09/12/12	3365.12	59.40	NA	46.11	NA	NA	NA	NA	3319.01	
MW-4	10/16/12	3365.12	59.40	NA	45.94	NA	NA	NA	NA	3319.18	
MW-4	11/19/12	3365.12	59.50	NA	45.69	NA	NA	NA	NA	3319.43	
MW-5	12/21/05	3364.74	53.88	NA	43.25	NA	NA	NA	NA	3321.49	
MW-5	12/29/05	3364.74	NG	NA	43.05	NA	NA	NA	NA	3321.69	
MW-5	01/05/06	3364.74	NG	NA	43.36	NA	NA	NA	NA	3321.38	
MW-5	02/08/06	3364.74	NG	NA	43.13	NA	NA	NA	NA	3321.61	
MW-5	02/22/06	3364.74	NG	NA	43.12	NA	NA	NA	NA	3321.62	
MW-5	03/28/06	3364.74	53.60	NA	43.25	NA	NA	NA	NA	3321.49	Sampled
MW-5	04/13/06	3364.74	NG	NA	43.40	NA	NA	NA	NA	3321.34	
MW-5	04/25/06	3364.74	NG	NA	43.50	NA	NA	NA	NA	3321.24	
MW-5	05/11/06	3364.74	NG	NA	43.58	NA	NA	NA	NA	3321.16	
MW-5	05/24/06	3364.74	NG	NA	43.87	NA	NA	NA	NA	3320.87	
MW-5	06/07/06	3364.74	NG	NA	43.68	NA	NA	NA	NA	3321.06	
MW-5	06/15/06	3364.74	NG	NA	43.61	NA	NA	NA	NA	3321.13	Sampled
MW-5	06/29/06	3364.74	NG	NA	43.86	NA	NA	NA	NA	3320.88	
MW-5	07/11/06	3364.74	NG	NA	43.87	NA	NA	NA	NA	3320.87	
MW-5	07/25/06	3364.74	NG	NA	43.95	NA	NA	NA	NA	3320.79	
MW-5	08/09/06	3364.74	53.44	NA	44.04	NA	NA	NA	NA	3320.70	
MW-5	08/22/06	3364.74	NG	NA	44.13	NA	NA	NA	NA	3320.61	
MW-5	09/12/06	3364.74	53.37	NA	44.10	NA	NA	NA	NA	3320.64	Sampled
MW-5	09/19/06	3364.74	NG	NA	44.00	NA	NA	NA	NA	3320.74	
MW-5	10/03/06	3364.74	NG	NA	43.98	NA	NA	NA	NA	3320.76	
MW-5	10/17/06	3364.74	NG	NA	43.93	NA	NA	NA	NA	3320.81	
MW-5	10/31/06	3364.74	NG	NA	43.95	NA	NA	NA	NA	3320.79	
MW-5	11/15/06	3364.74	NG	NA	43.99	NA	NA	NA	NA	3320.75	
MW-5	12/06/06	3364.74	53.35	NA	43.85	NA	NA	NA	NA	3320.89	Sampled
MW-5	12/13/06	3364.74	NG	NA	43.88	NA	NA	NA	NA	3320.86	
MW-5	12/27/06	3364.74	NG	NA	43.65	NA	NA	NA	NA	3321.09	
MW-5	01/03/07	3364.74	NG	NA	43.73	NA	NA	NA	NA	3321.01	
MW-5	01/09/07	3364.74	NG	NA	43.88	NA	NA	NA	NA	3320.86	
MW-5	01/18/07	3364.74	NG	NA	43.71	NA	NA	NA	NA	3321.03	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-5	01/25/07	3364.74	NG	NA	43.66	NA	NA	NA	NA	3321.08	
MW-5	01/31/07	3364.74	NG	NA	43.45	NA	NA	NA	NA	3321.29	
MW-5	02/07/07	3364.74	NG	NA	43.58	NA	NA	NA	NA	3321.16	
MW-5	02/14/07	3364.74	NG	NA	43.61	NA	NA	NA	NA	3321.13	
MW-5	02/28/07	3364.74	53.25	NA	43.41	NA	NA	NA	NA	3321.33	Sampled
MW-5	03/07/07	3364.74	NG	NA	43.64	NA	NA	NA	NA	3321.10	
MW-5	04/04/07	3364.74	NG	NA	43.75	NA	NA	NA	NA	3320.99	
MW-5	05/03/07	3364.74	NG	NA	43.55	NA	NA	NA	NA	3321.19	
MW-5	05/30/07	3364.74	53.23	NA	43.45	NA	NA	NA	NA	3321.29	Sampled
MW-5	06/06/07	3364.74	53.23	NA	43.30	NA	NA	NA	NA	3321.44	
MW-5	07/05/07	3364.74	53.13	NA	43.52	NA	NA	NA	NA	3321.22	
MW-5	07/31/07	3364.74	53.13	NA	43.56	NA	NA	NA	NA	3321.18	
MW-5	09/07/07	3364.74	53.13	NA	43.91	NA	NA	NA	NA	3320.83	Sampled
MW-5	10/10/07	3364.74	53.13	NA	43.81	NA	NA	NA	NA	3320.93	
MW-5	11/13/07	3364.74	53.19	NA	43.78	NA	NA	NA	NA	3320.96	Sampled
MW-5	12/05/07	3364.74	53.19	NA	43.72	NA	NA	NA	NA	3321.02	
MW-5	01/09/08	3364.74	53.08	NA	43.67	NA	NA	NA	NA	3321.07	
MW-5	02/06/08	3364.74	53.08	NA	43.63	NA	NA	NA	NA	3321.11	
MW-5	02/27/08	3364.74	53.10	NA	43.70	NA	NA	NA	NA	3321.04	Sampled
MW-5	04/02/08	3364.74	53.02	NA	43.66	NA	NA	NA	NA	3321.08	
MW-5	05/20/08	3364.74	53.02	NA	43.90	NA	NA	NA	NA	3320.84	Sampled
MW-5	06/18/08	3364.74	53.02	NA	43.97	NA	NA	NA	NA	3320.77	
MW-5	07/07/08	3364.74	53.02	NA	43.96	NA	NA	NA	NA	3320.78	
MW-5	08/18/08	3364.74	53.06	NA	44.32	NA	NA	NA	NA	3320.42	Sampled
MW-5	10/15/08	3364.74	53.06	NA	44.42	NA	NA	NA	NA	3320.32	
MW-5	11/20/08	3364.74	53.00	NA	44.55	NA	NA	NA	NA	3320.19	Sampled
MW-5	12/21/08	3364.74	53.00	NA	44.62	NA	NA	NA	NA	3320.12	
MW-5	01/07/09	3364.74	55.03	NA	44.46	NA	NA	NA	NA	3320.28	
MW-5	02/04/09	3364.74	53.01	NA	44.61	NA	NA	NA	NA	3320.13	
MW-5	02/18/09	3364.74	52.96	NA	44.59	NA	NA	NA	NA	3320.15	Sampled
MW-5	03/04/09	3364.74	53.04	NA	44.45	NA	NA	NA	NA	3320.29	
MW-5	04/08/09	3364.74	53.04	NA	44.79	NA	NA	NA	NA	3319.95	
MW-5	05/06/09	3364.74	53.04	NA	44.44	NA	NA	NA	NA	3320.30	
MW-5	05/20/09	3364.74	53.04	NA	44.60	NA	NA	NA	NA	3320.14	Sampled
MW-5	06/03/09	3364.74	53.04	NA	44.60	NA	NA	NA	NA	3320.14	
MW-5	07/15/09	3364.74	53.04	NA	44.45	NA	NA	NA	NA	3320.29	
MW-5	08/05/09	3364.74	53.04	NA	44.35	NA	NA	NA	NA	3320.39	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-5	08/27/09	3364.74	53.03	NA	44.36	NA		0.00	5.00	3320.38	Sampled
MW-5	09/02/09	3364.74	53.03	NA	44.34	NA	NA	NA	NA	3320.40	
MW-5	10/07/09	3364.74	53.03	NA	44.28	NA	NA	NA	NA	3320.46	
MW-5	11/04/09	3364.74	53.03	NA	44.79	NA	NA	NA	NA	3319.95	
MW-5	11/18/09	3364.74	53.03	NA	44.25	NA	NA	NA	NA	3320.49	Sampled
MW-5	12/02/09	3364.74	53.03	NA	44.32	NA	NA	NA	NA	3320.42	
MW-5	01/06/10	3364.74	53.03	NA	44.11	NA	NA	NA	NA	3320.63	
MW-5	02/09/10	3364.74	53.03	NA	44.20	NA	NA	NA	NA	3320.54	Sampled
MW-5	03/10/10	3364.74	53.03	NA	43.95	NA	NA	NA	NA	3320.79	
MW-5	04/07/10	3364.74	53.03	NA	44.06	NA	NA	NA	NA	3320.68	
MW-5	05/05/10	3364.74	53.03	NA	44.04	NA	NA	NA	NA	3320.70	
MW-5	05/11/10	3364.74	53.03	NA	44.02	NA	NA	NA	NA	3320.72	Sampled
MW-5	06/02/10	3364.74	53.03	NA	44.02	NA	NA	NA	NA	3320.72	
MW-5	07/07/10	3364.74	53.03	NA	44.10	NA	NA	NA	NA	3320.64	
MW-5	08/03/10	3364.74	53.03	NA	44.07	NA	NA	NA	NA	3320.67	
MW-5	08/26/10	3364.74	53.03	NA	44.08	NA	NA	NA	NA	3320.66	Sampled
MW-5	09/01/10	3364.74	53.03	NA	43.98	NA	NA	NA	NA	3320.76	
MW-5	10/13/10	3364.74	53.03	NA	44.02	NA	NA	NA	NA	3320.72	
MW-5	11/18/10	3364.74	53.03	NA	43.87	NA	NA	NA	NA	3320.87	Sampled
MW-5	11/24/10	3364.74	53.03	NA	43.81	NA	NA	NA	NA	3320.93	
MW-5	12/08/10	3364.74	53.03	NA	43.81	NA	NA	NA	NA	3320.93	
MW-5	01/12/11	3364.74	53.03	NA	43.74	NA	NA	NA	NA	3321.00	
MW-5	02/08/11	3364.74	53.03	NA	43.49	NA	NA	NA	NA	3321.25	
MW-5	02/23/11	3364.74	53.03	NA	43.56	NA	NA	NA	NA	3321.18	Sampled
MW-5	03/08/11	3364.74	53.03	NA	43.55	NA	NA	NA	NA	3321.19	
MW-5	04/13/11	3364.74	53.03	NA	43.52	NA	NA	NA	NA	3321.22	
MW-5	06/01/11	3364.74	53.03	NA	43.60	NA	NA	NA	NA	3321.14	
MW-5	06/02/11	3364.74	53.03	NA	43.64	NA	NA	NA	NA	3321.10	Sampled
MW-5	07/27/11	3364.74	53.03	NA	43.78	NA	NA	NA	NA	3320.96	
MW-5	08/30/11	3364.74	53.03	NA	43.86	NA	NA	NA	NA	3320.88	Sampled
MW-5	09/14/11	3364.74	53.03	NA	43.96	NA	NA	NA	NA	3320.78	
MW-5	10/12/11	3364.74	53.03	NA	43.98	NA	NA	NA	NA	3320.76	
MW-5	11/29/11	3364.74	53.03	NA	44.15	NA	NA	NA	NA	3320.59	Sampled
MW-5	12/27/11	3364.74	53.03	NA	43.96	NA	NA	NA	NA	3320.78	
MW-5	01/18/12	3364.74	53.03	NA	43.95	NA	NA	NA	NA	3320.79	
MW-5	02/02/12	3364.74	53.03	NA	43.82	NA	NA	NA	NA	3320.92	
MW-5	02/15/12	3364.74	53.03	NA	43.89	NA	NA	NA	NA	3320.85	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-5	02/23/12	3364.74	53.03	NA	43.73	NA	NA	NA	NA	3321.01	
MW-5	04/20/12	3364.74	53.03	NA	43.91	NA	NA	NA	NA	3320.83	
MW-5	05/23/12	3364.74	53.03	NA	44.10	NA	NA	NA	NA	3320.64	
MW-5	07/18/12	3364.74	53.03	NA	45.42	NA	NA	NA	NA	3319.32	
MW-5	09/12/12	3364.74	53.03	NA	45.72	NA	NA	NA	NA	3319.02	
MW-5	10/16/12	3364.74	53.03	NA	45.50	NA	NA	NA	NA	3319.24	
MW-5	11/19/12	3364.74	52.90	NA	45.69	NA	NA	NA	NA	3319.05	
MW-6	12/21/05	3368.96	59.44	NA	47.31	NA	NA	NA	NA	3321.65	
MW-6	12/29/05	3368.96	NG	NA	47.16	NA	NA	NA	NA	3321.80	
MW-6	01/05/06	3368.96	NG	NA	47.40	NA	NA	NA	NA	3321.56	
MW-6	02/09/06	3368.96	NG	NA	47.15	NA	NA	NA	NA	3321.81	
MW-6	02/22/06	3368.96	NG	NA	47.12	NA	NA	NA	NA	3321.84	
MW-6	03/28/06	3368.96	59.45	NA	47.35	NA	NA	NA	NA	3321.61	Sampled
MW-6	04/13/06	3368.96	NG	NA	47.42	NA	NA	NA	NA	3321.54	
MW-6	04/25/06	3368.96	NG	NA	47.50	NA	NA	NA	NA	3321.46	
MW-6	05/11/06	3368.96	NG	NA	47.57	NA	NA	NA	NA	3321.39	
MW-6	05/24/06	3368.96	NG	NA	47.57	NA	NA	NA	NA	3321.39	
MW-6	06/07/06	3368.96	NG	NA	47.72	NA	NA	NA	NA	3321.24	
MW-6	06/15/06	3368.96	NG	NA	47.63	NA	NA	NA	NA	3321.33	Sampled
MW-6	06/29/06	3368.96	NG	NA	47.89	NA	NA	NA	NA	3321.07	
MW-6	07/11/06	3368.96	NG	NA	47.90	NA	NA	NA	NA	3321.06	
MW-6	07/25/06	3368.96	NG	NA	47.97	NA	NA	NA	NA	3320.99	
MW-6	08/09/06	3368.96	59.49	NA	48.02	NA	NA	NA	NA	3320.94	
MW-6	08/22/06	3368.96	NG	NA	48.15	NA	NA	NA	NA	3320.81	
MW-6	09/12/06	3368.96	59.43	NA	48.07	NA	NA	NA	NA	3320.89	Sampled
MW-6	09/19/06	3368.96	NG	NA	48.07	NA	NA	NA	NA	3320.89	
MW-6	10/03/06	3368.96	NG	NA	48.03	NA	NA	NA	NA	3320.93	
MW-6	10/17/06	3368.96	NG	NA	47.90	NA	NA	NA	NA	3321.06	
MW-6	10/30/06	3368.96	NG	NA	47.95	NA	NA	NA	NA	3321.01	
MW-6	11/15/06	3368.96	NG	NA	47.96	NA	NA	NA	NA	3321.00	
MW-6	12/06/06	3368.96	59.39	NA	47.81	NA	NA	NA	NA	3321.15	Sampled
MW-6	12/13/06	3368.96	NG	NA	47.88	NA	NA	NA	NA	3321.08	
MW-6	12/27/06	3368.96	NG	NA	47.63	NA	NA	NA	NA	3321.33	
MW-6	01/03/07	3368.96	NG	NA	47.68	NA	NA	NA	NA	3321.28	
MW-6	01/09/07	3368.96	NG	NA	47.80	NA	NA	NA	NA	3321.16	
MW-6	01/18/07	3368.96	NG	NA	47.65	NA	NA	NA	NA	3321.31	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-6	01/25/07	3368.96	NG	NA	47.67	NA	NA	NA	NA	3321.29	
MW-6	01/31/07	3368.96	NG	NA	47.40	NA	NA	NA	NA	3321.56	
MW-6	02/07/07	3368.96	NG	NA	47.51	NA	NA	NA	NA	3321.45	
MW-6	02/14/07	3368.96	NG	NA	47.54	NA	NA	NA	NA	3321.42	
MW-6	02/28/07	3368.96	59.50	NA	47.31	NA	NA	NA	NA	3321.65	Sampled
MW-6	03/07/07	3368.96	NG	NA	47.56	NA	NA	NA	NA	3321.40	
MW-6	04/04/07	3368.96	NG	NA	47.65	NA	NA	NA	NA	3321.31	
MW-6	05/03/07	3368.96	NG	NA	47.44	NA	NA	NA	NA	3321.52	
MW-6	05/30/07	3368.96	59.47	NA	47.35	NA	NA	NA	NA	3321.61	Sampled
MW-6	06/06/07	3368.96	59.47	NA	47.22	NA	NA	NA	NA	3321.74	
MW-6	07/05/07	3368.96	59.46	NA	47.55	NA	NA	NA	NA	3321.41	
MW-6	07/31/07	3368.96	59.47	NA	47.58	NA	NA	NA	NA	3321.38	
MW-6	09/07/07	3368.96	59.47	NA	47.70	NA	NA	NA	NA	3321.26	Sampled
MW-6	10/10/07	3368.96	59.48	NA	47.67	NA	NA	NA	NA	3321.29	
MW-6	11/13/07	3368.96	59.41	NA	47.65	NA	NA	NA	NA	3321.31	Sampled
MW-6	12/05/07	3368.96	59.41	NA	47.60	NA	NA	NA	NA	3321.36	
MW-6	01/09/08	3368.96	59.40	NA	47.46	NA	NA	NA	NA	3321.50	
MW-6	02/06/08	3368.96	59.40	NA	47.48	NA	NA	NA	NA	3321.48	
MW-6	02/27/08	3368.96	59.42	NA	47.43	NA	NA	NA	NA	3321.53	Sampled
MW-6	04/02/08	3368.96	59.41	NA	47.47	NA	NA	NA	NA	3321.49	
MW-6	05/20/08	3368.96	59.41	NA	47.74	NA	NA	NA	NA	3321.22	Sampled
MW-6	06/18/08	3368.96	59.41	NA	47.54	NA	NA	NA	NA	3321.42	
MW-6	07/07/08	3368.96	59.41	NA	47.86	NA	NA	NA	NA	3321.10	
MW-6	08/18/08	3368.96	59.42	NA	48.16	NA	NA	NA	NA	3320.80	Sampled
MW-6	10/15/08	3368.96	59.42	NA	48.24	NA	NA	NA	NA	3320.72	
MW-6	11/20/08	3368.96	59.45	NA	48.43	NA	NA	NA	NA	3320.53	Sampled
MW-6	12/21/08	3368.96	59.45	NA	48.48	NA	NA	NA	NA	3320.48	
MW-6	01/07/09	3368.96	59.47	NA	48.29	NA	NA	NA	NA	3320.67	
MW-6	02/04/09	3368.96	59.23	NA	48.44	NA	NA	NA	NA	3320.52	
MW-6	02/18/09	3368.96	59.43	NA	48.40	NA	NA	NA	NA	3320.56	Sampled
MW-6	03/04/09	3368.96	59.22	NA	48.24	NA	NA	NA	NA	3320.72	
MW-6	04/08/09	3368.96	59.22	NA	48.15	NA	NA	NA	NA	3320.81	
MW-6	05/06/09	3368.96	59.22	NA	48.23	NA	NA	NA	NA	3320.73	
MW-6	05/20/09	3368.96	59.22	NA	48.40	NA	NA	NA	NA	3320.56	Sampled
MW-6	06/03/09	3368.96	59.22	NA	48.38	NA	NA	NA	NA	3320.58	
MW-6	07/15/09	3368.96	59.22	NA	48.18	NA	NA	NA	NA	3320.78	
MW-6	08/05/09	3368.96	59.22	NA	48.10	NA	NA	NA	NA	3320.86	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-6	08/27/09	3368.96	59.21	NA	48.07	NA		0.00	22.00	3320.89	Sampled
MW-6	09/02/09	3368.96	59.21	NA	48.10	NA	NA	NA	NA	3320.86	
MW-6	10/07/09	3368.96	59.21	NA	48.99	NA	NA	NA	NA	3319.97	
MW-6	11/04/09	3368.96	59.21	NA	49.12	NA	NA	NA	NA	3319.84	
MW-6	11/18/09	3368.96	59.21	NA	48.00	NA	NA	NA	NA	3320.96	Sampled
MW-6	12/02/09	3368.96	59.21	NA	48.10	NA	NA	NA	NA	3320.86	
MW-6	01/06/10	3368.96	59.21	NA	47.83	NA	NA	NA	NA	3321.13	
MW-6	02/09/10	3368.96	59.21	NA	47.87	NA	NA	NA	NA	3321.09	Sampled
MW-6	03/10/10	3368.96	59.21	NA	47.66	NA	NA	NA	NA	3321.30	
MW-6	04/07/10	3368.96	59.21	NA	47.83	NA	NA	NA	NA	3321.13	
MW-6	05/05/10	3368.96	59.21	NA	47.74	NA	NA	NA	NA	3321.22	
MW-6	05/11/10	3368.96	59.21	NA	47.75	NA	NA	NA	NA	3321.21	Sampled
MW-6	06/02/10	3368.96	59.21	NA	47.73	NA	NA	NA	NA	3321.23	
MW-6	07/07/10	3368.96	59.21	NA	47.81	NA	NA	NA	NA	3321.15	
MW-6	08/03/10	3368.96	59.21	NA	47.80	NA	NA	NA	NA	3321.16	
MW-6	08/26/10	3368.96	59.21	NA	47.79	NA	NA	NA	NA	3321.17	Sampled
MW-6	09/01/10	3368.96	59.21	NA	47.68	NA	NA	NA	NA	3321.28	
MW-6	10/13/10	3368.96	59.21	NA	47.75	NA	NA	NA	NA	3321.21	
MW-6	11/18/10	3368.96	59.21	NA	47.58	NA	NA	NA	NA	3321.38	Sampled
MW-6	11/24/10	3368.96	59.21	NA	47.51	NA	NA	NA	NA	3321.45	
MW-6	12/08/10	3368.96	59.21	NA	47.53	NA	NA	NA	NA	3321.43	
MW-6	01/12/11	3368.96	59.21	NA	47.44	NA	NA	NA	NA	3321.52	
MW-6	02/08/11	3368.96	59.21	NA	47.20	NA	NA	NA	NA	3321.76	
MW-6	02/23/11	3368.96	59.21	NA	47.27	NA	NA	NA	NA	3321.69	Sampled
MW-6	03/08/11	3368.96	59.21	NA	47.26	NA	NA	NA	NA	3321.70	
MW-6	04/13/11	3368.96	59.21	NA	47.26	NA	NA	NA	NA	3321.70	
MW-6	06/01/11	3368.96	59.21	NA	47.36	NA	NA	NA	NA	3321.60	
MW-6	06/02/11	3368.96	59.21	NA	47.35	NA	NA	NA	NA	3321.61	Sampled
MW-6	07/27/11	3368.96	59.21	NA	47.53	NA	NA	NA	NA	3321.43	
MW-6	08/30/11	3368.96	59.21	NA	47.61	NA	NA	NA	NA	3321.35	Sampled
MW-6	09/14/11	3368.96	59.21	NA	47.70	NA	NA	NA	NA	3321.26	
MW-6	10/12/11	3368.96	59.21	NA	47.71	NA	NA	NA	NA	3321.25	
MW-6	11/29/11	3368.96	59.21	NA	47.81	NA	NA	NA	NA	3321.15	Sampled
MW-6	12/27/11	3368.96	59.21	NA	47.73	NA	NA	NA	NA	3321.23	
MW-6	01/18/12	3368.96	59.21	NA	47.71	NA	NA	NA	NA	3321.25	
MW-6	02/02/12	3368.96	59.21	NA	47.56	NA	NA	NA	NA	3321.40	
MW-6	02/15/12	3368.96	59.21	NA	47.65	NA	NA	NA	NA	3321.31	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-6	02/23/12	3368.96	59.21	NA	47.45	NA	NA	NA	NA	3321.51	
MW-6	04/20/12	3368.96	59.21	NA	47.63	NA	NA	NA	NA	3321.33	
MW-6	05/23/12	3368.96	59.21	NA	47.94	NA	NA	NA	NA	3321.02	
MW-6	07/18/12	3368.96	59.21	NA	49.46	NA	NA	NA	NA	3319.50	
MW-6	09/12/12	3368.96	59.21	NA	49.59	NA	NA	NA	NA	3319.37	
MW-6	10/16/12	3368.96	59.21	NA	49.38	NA	NA	NA	NA	3319.58	
MW-6	11/19/12	3368.96	59.33	NA	49.55	NA	NA	NA	NA	3319.41	
MW-7	12/21/05	3370.25	59.35	NA	48.26	NA	NA	NA	NA	3321.99	
MW-7	12/29/05	3370.25	NG	NA	48.05	NA	NA	NA	NA	3322.20	
MW-7	01/05/06	3370.25	NG	NA	48.31	NA	NA	NA	NA	3321.94	
MW-7	02/09/06	3370.25	NG	NA	48.09	NA	NA	NA	NA	3322.16	
MW-7	02/22/06	3370.25	NG	NA	48.06	NA	NA	NA	NA	3322.19	
MW-7	03/28/06	3370.25	58.77	NA	48.25	NA	NA	NA	NA	3322.00	Sampled
MW-7	04/13/06	3370.25	NG	NA	48.38	NA	NA	NA	NA	3321.87	
MW-7	04/25/06	3370.25	NG	NA	48.48	NA	NA	NA	NA	3321.77	
MW-7	05/11/06	3370.25	NG	NA	48.53	NA	NA	NA	NA	3321.72	
MW-7	05/24/06	3370.25	NG	NA	48.55	NA	NA	NA	NA	3321.70	
MW-7	06/07/06	3370.25	NG	NA	48.68	NA	NA	NA	NA	3321.57	
MW-7	06/15/06	3370.25	NG	NA	48.60	NA	NA	NA	NA	3321.65	Sampled
MW-7	06/29/06	3370.25	NG	NA	48.86	NA	NA	NA	NA	3321.39	
MW-7	07/11/06	3370.25	NG	NA	48.86	NA	NA	NA	NA	3321.39	
MW-7	07/25/06	3370.25	NG	NA	48.97	NA	NA	NA	NA	3321.28	
MW-7	08/09/06	3370.25	58.78	NA	49.04	NA	NA	NA	NA	3321.21	
MW-7	08/22/06	3370.25	NG	NA	49.13	NA	NA	NA	NA	3321.12	
MW-7	09/12/06	3370.25	58.73	NA	49.14	NA	NA	NA	NA	3321.11	Sampled
MW-7	09/19/06	3370.25	NG	NA	49.05	NA	NA	NA	NA	3321.20	
MW-7	10/03/06	3370.25	NG	NA	49.03	NA	NA	NA	NA	3321.22	
MW-7	10/17/06	3370.25	NG	NA	48.92	NA	NA	NA	NA	3321.33	
MW-7	10/31/06	3370.25	NG	NA	48.95	NA	NA	NA	NA	3321.30	
MW-7	11/15/06	3370.25	NG	NA	48.96	NA	NA	NA	NA	3321.29	
MW-7	12/06/06	3370.25	58.72	NA	48.80	NA	NA	NA	NA	3321.45	Sampled
MW-7	12/13/06	3370.25	NG	NA	48.85	NA	NA	NA	NA	3321.65	
MW-7	12/27/06	3370.25	NG	NA	48.60	NA	NA	NA	NA	3321.59	
MW-7	01/03/07	3370.25	NG	NA	48.66	NA	NA	NA	NA	3321.45	
MW-7	01/09/07	3370.25	NG	NA	48.80	NA	NA	NA	NA	3321.45	
MW-7	01/18/07	3370.25	NG	NA	48.63	NA	NA	NA	NA	3321.62	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-7	01/25/07	3370.25	NG	NA	48.55	NA	NA	NA	NA	3321.70	
MW-7	01/31/07	3370.25	NG	NA	48.34	NA	NA	NA	NA	3321.91	
MW-7	02/07/07	3370.25	NG	NA	48.50	NA	NA	NA	NA	3321.75	
MW-7	02/14/07	3370.25	NG	NA	48.52	NA	NA	NA	NA	3321.73	
MW-7	02/28/07	3370.25	58.80	NA	48.30	NA	NA	NA	NA	3321.95	Sampled
MW-7	03/07/07	3370.25	NG	NA	48.57	NA	NA	NA	NA	3321.68	
MW-7	04/04/07	3370.25	NG	NA	48.65	NA	NA	NA	NA	3321.60	
MW-7	05/03/07	3370.25	NG	NA	48.38	NA	NA	NA	NA	3321.87	
MW-7	05/30/07	3370.25	58.71	NA	48.41	NA	NA	NA	NA	3321.84	Sampled
MW-7	06/06/07	3370.25	58.71	NA	48.21	NA	NA	NA	NA	3322.04	
MW-7	07/05/07	3370.25	58.73	NA	48.48	NA	NA	NA	NA	3321.77	
MW-7	07/31/07	3370.25	58.73	NA	48.51	NA	NA	NA	NA	3321.74	
MW-7	09/07/07	3370.25	58.73	NA	48.91	NA	NA	NA	NA	3321.34	Sampled
MW-7	10/10/07	3370.25	58.73	NA	48.69	NA	NA	NA	NA	3321.56	
MW-7	11/13/07	3370.25	58.88	NA	48.64	NA	NA	NA	NA	3321.61	Sampled
MW-7	12/05/07	3370.25	58.88	NA	48.59	NA	NA	NA	NA	3321.66	
MW-7	01/09/08	3370.25	58.85	NA	48.47	NA	NA	NA	NA	3321.78	
MW-7	02/06/08	3370.25	58.85	NA	48.45	NA	NA	NA	NA	3321.80	
MW-7	02/27/08	3370.25	58.66	NA	48.44	NA	NA	NA	NA	3321.81	Sampled
MW-7	04/02/08	3370.25	58.64	NA	48.45	NA	NA	NA	NA	3321.80	
MW-7	05/20/08	3370.25	58.64	NA	48.76	NA	NA	NA	NA	3321.49	Sampled
MW-7	06/18/08	3370.25	58.64	NA	48.85	NA	NA	NA	NA	3321.40	
MW-7	07/07/08	3370.25	58.64	NA	48.85	NA	NA	NA	NA	3321.40	
MW-7	08/18/08	3370.25	58.83	NA	49.11	NA	NA	NA	NA	3321.14	Sampled
MW-7	10/15/08	3370.25	58.83	NA	49.23	NA	NA	NA	NA	3321.02	
MW-7	11/20/08	3370.25	58.74	NA	49.46	NA	NA	NA	NA	3320.79	Sampled
MW-7	12/21/08	3370.25	58.74	NA	49.48	NA	NA	NA	NA	3320.77	
MW-7	01/07/09	3370.25	58.72	NA	49.33	NA	NA	NA	NA	3320.92	
MW-7	02/04/09	3370.25	58.73	NA	49.46	NA	NA	NA	NA	3320.79	
MW-7	02/18/09	3370.25	58.69	NA	49.43	NA	NA	NA	NA	3320.82	Sampled
MW-7	03/04/09	3370.25	58.75	NA	49.27	NA	NA	NA	NA	3320.98	
MW-7	04/08/09	3370.25	58.75	NA	49.14	NA	NA	NA	NA	3321.11	
MW-7	05/06/09	3370.25	58.75	NA	49.22	NA	NA	NA	NA	3321.03	
MW-7	05/20/09	3370.25	58.75	NA	49.48	NA	NA	NA	NA	3320.77	Sampled
MW-7	06/03/09	3370.25	58.75	NA	49.36	NA	NA	NA	NA	3320.89	
MW-7	07/15/09	3370.25	58.75	NA	49.12	NA	NA	NA	NA	3321.13	
MW-7	08/05/09	3370.25	58.75	NA	49.02	NA	NA	NA	NA	3321.23	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-7	08/27/09	3370.25	59.69	NA	49.01	NA		0.00	5.00	3321.24	Sampled
MW-7	09/02/09	3370.25	59.69	NA	49.02	NA	NA	NA	NA	3321.23	
MW-7	10/07/09	3370.25	59.69	NA	48.91	NA	NA	NA	NA	3321.34	
MW-7	11/04/09	3370.25	59.69	NA	49.07	NA	NA	NA	NA	3321.18	
MW-7	11/18/09	3370.25	59.69	NA	48.92	NA	NA	NA	NA	3321.33	Sampled
MW-7	12/02/09	3370.25	59.69	NA	49.05	NA	NA	NA	NA	3321.20	
MW-7	01/06/10	3370.25	59.69	NA	48.77	NA	NA	NA	NA	3321.48	
MW-7	02/09/10	3370.25	59.69	NA	48.85	NA	NA	NA	NA	3321.40	Sampled
MW-7	03/10/10	3370.25	59.69	NA	48.67	NA	NA	NA	NA	3321.58	
MW-7	04/07/10	3370.25	59.69	NA	48.81	NA	NA	NA	NA	3321.44	
MW-7	05/05/10	3370.25	59.69	NA	48.78	NA	NA	NA	NA	3321.47	
MW-7	05/11/10	3370.25	59.69	NA	48.75	NA	NA	NA	NA	3321.50	Sampled
MW-7	06/02/10	3370.25	59.69	NA	48.72	NA	NA	NA	NA	3321.53	
MW-7	07/07/10	3370.25	59.69	NA	48.78	NA	NA	NA	NA	3321.47	
MW-7	08/03/10	3370.25	59.69	NA	48.79	NA	NA	NA	NA	3321.46	
MW-7	08/26/10	3370.25	59.69	NA	48.78	NA	NA	NA	NA	3321.47	Sampled
MW-7	09/01/10	3370.25	59.69	NA	48.66	NA	NA	NA	NA	3321.59	
MW-7	10/13/10	3370.25	59.69	NA	48.69	NA	NA	NA	NA	3321.56	
MW-7	11/18/10	3370.25	59.69	NA	48.51	NA	NA	NA	NA	3321.74	Sampled
MW-7	11/24/10	3370.25	59.69	NA	48.46	NA	NA	NA	NA	3321.79	
MW-7	12/08/10	3370.25	59.69	NA	48.46	NA	NA	NA	NA	3321.79	
MW-7	01/12/11	3370.25	59.69	NA	48.36	NA	NA	NA	NA	3321.89	
MW-7	02/08/11	3370.25	59.69	NA	48.15	NA	NA	NA	NA	3322.10	
MW-7	02/23/11	3370.25	59.69	NA	48.19	NA	NA	NA	NA	3322.06	Sampled
MW-7	03/08/11	3370.25	59.69	NA	48.20	NA	NA	NA	NA	3322.05	
MW-7	04/13/11	3370.25	59.69	NA	48.17	NA	NA	NA	NA	3322.08	
MW-7	06/02/11	3370.25	59.69	NA	48.27	NA	NA	NA	NA	3321.98	Sampled
MW-7	07/27/11	3370.25	59.69	NA	48.39	NA	NA	NA	NA	3321.86	
MW-7	08/30/11	3370.25	59.69	NA	48.50	NA	NA	NA	NA	3321.75	Sampled
MW-7	09/14/11	3370.25	59.69	NA	48.58	NA	NA	NA	NA	3321.67	
MW-7	10/12/11	3370.25	59.69	NA	48.61	NA	NA	NA	NA	3321.64	
MW-7	11/29/11	3370.25	59.69	NA	48.70	NA	NA	NA	NA	3321.55	Sampled
MW-7	12/27/11	3370.25	59.69	NA	48.64	NA	NA	NA	NA	3321.61	
MW-7	01/18/12	3370.25	59.69	NA	48.59	NA	NA	NA	NA	3321.66	
MW-7	02/02/12	3370.25	59.69	NA	48.47	NA	NA	NA	NA	3321.78	
MW-7	02/15/12	3370.25	59.69	NA	48.56	NA	NA	NA	NA	3321.69	
MW-7	02/23/12	3370.25	59.69	NA	48.45	NA	NA	NA	NA	3321.80	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-7	04/20/12	3370.25	59.69	NA	48.56	NA	NA	NA	NA	3321.69	
MW-7	05/23/12	3370.25	59.69	NA	48.93	NA	NA	NA	NA	3321.32	
MW-7	07/18/12	3370.25	59.69	NA	50.60	NA	NA	NA	NA	3319.65	
MW-7	09/12/12	3370.25	59.69	NA	50.65	NA	NA	NA	NA	3319.60	
MW-7	10/16/12	3370.25	59.69	NA	50.40	NA	NA	NA	NA	3319.85	
MW-7	11/19/12	3370.25	59.69	NA	50.61	NA	NA	NA	NA	3319.64	
MW-8	01/27/10	NS	59.53	NA	44.41	NA	NA	NA	NA	NS	
MW-8	02/09/10	NS	59.53	NA	44.50	NA	NA	NA	NA	NS	
MW-8	03/10/10	NS	59.53	NA	44.22	NA	NA	NA	NA	NS	
MW-8	04/07/10	NS	59.53	NA	44.36	NA	NA	NA	NA	NS	
MW-8	05/05/10	NS	59.53	NA	44.35	NA	NA	NA	NA	NS	
MW-8	05/11/10	NS	59.53	NA	44.30	NA	NA	NA	NA	NS	Sampled
MW-8	06/02/10	NS	59.53	NA	44.32	NA	NA	NA	NA	NS	
MW-8	07/07/10	NS	59.53	NA	44.41	NA	NA	NA	NA	NS	
MW-8	08/03/10	NS	59.53	NA	44.36	NA	NA	NA	NA	NS	
MW-8	08/26/10	NS	59.53	NA	44.35	NA	NA	NA	NA	NS	Sampled
MW-8	09/01/10	NS	59.53	NA	44.25	NA	NA	NA	NA	NS	
MW-8	10/13/10	NS	59.53	NA	44.33	NA	NA	NA	NA	NS	
MW-8	11/18/10	NS	59.53	NA	44.18	NA	NA	NA	NA	NS	Sampled
MW-8	11/24/10	NS	59.53	NA	44.11	NA	NA	NA	NA	NS	
MW-8	12/08/10	NS	59.53	NA	44.12	NA	NA	NA	NA	NS	
MW-8	01/12/11	NS	59.53	NA	44.04	NA	NA	NA	NA	NS	
MW-8	02/08/11	NS	59.53	NA	43.85	NA	NA	NA	NA	NS	
MW-8	02/23/11	NS	59.53	NA	43.84	NA	NA	NA	NA	NS	Sampled
MW-8	03/08/11	NS	59.53	NA	43.86	NA	NA	NA	NA	NS	
MW-8	04/13/11	NS	59.53	NA	43.83	NA	NA	NA	NA	NS	
MW-8	06/01/11	NS	59.53	NA	43.95	NA	NA	NA	NA	NS	
MW-8	06/02/11	NS	59.53	NA	43.94	NA	NA	NA	NA	NS	Sampled
MW-8	07/27/11	NS	59.53	NA	44.13	NA	NA	NA	NA	NS	
MW-8	08/30/11	NS	59.53	NA	44.19	NA	NA	NA	NA	NS	Sampled
MW-8	09/14/11	NS	59.53	NA	44.30	NA	NA	NA	NA	NS	
MW-8	10/12/11	NS	59.53	NA	44.31	NA	NA	NA	NA	NS	
MW-8	11/29/11	NS	59.53	NA	44.39	NA	NA	NA	NA	NS	Sampled
MW-8	12/27/11	NS	59.53	NA	44.30	NA	NA	NA	NA	NS	
MW-8	01/18/12	NS	59.53	NA	44.24	NA	NA	NA	NA	NS	
MW-8	02/02/12	NS	59.53	NA	44.09	NA	NA	NA	NA	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-8	02/15/12	NS	59.53	NA	44.20	NA	NA	NA	NA	NS	
MW-8	02/23/12	NS	59.53	NA	44.04	NA	NA	NA	NA	NS	
MW-8	04/20/12	NS	59.53	NA	44.23	NA	NA	NA	NA	NS	
MW-8	05/23/12	NS	59.53	NA	44.40	NA	NA	NA	NA	NS	
MW-8	07/18/12	NS	59.53	NA	45.78	NA	NA	NA	NA	NS	
MW-8	09/12/12	NS	59.53	NA	46.01	NA	NA	NA	NA	NS	
MW-8	10/16/12	NS	59.53	NA	45.85	NA	NA	NA	NA	NS	
MW-8	11/19/12	NS	59.60	ND	46.02	ND	NA	NA	NA	NS	
RW-1	12/21/05	3368.12	60.50	ND	46.52	ND	NA	NA	NA	3321.60	Installed Sock
RW-1	12/29/05	3368.12	NG	ND	46.28	ND	NA	NA	NA	3321.84	Sock
RW-1	01/05/06	3368.12	NG	ND	46.60	ND	NA	NA	NA	3321.52	Sock
RW-1	02/09/06	3368.12	NG	ND	46.35	ND	NA	NA	NA	3321.77	Sock
RW-1	02/22/06	3368.12	NG	ND	46.30	ND	NA	NA	NA	3321.82	Sock
RW-1	03/28/06	3368.12	NG	ND	46.42	ND		0.10	0.00	3321.70	Sock
RW-1	04/13/06	3368.12	NG	ND	46.60	ND		0.10	0.00	3321.52	Sock
RW-1	04/25/06	3368.12	NG	ND	46.78	ND		0.10	0.00	3321.34	Sock
RW-1	05/11/06	3368.12	NG	ND	46.82	ND		0.10	0.00	3321.30	Sock
RW-1	05/24/06	3368.12	NG	ND	46.80	ND		0.10	0.00	3321.32	Sock
RW-1	06/07/06	3368.12	NG	ND	46.91	ND		0.10	4.90	3321.21	Sock
RW-1	06/15/06	3368.12	NG	ND	47.10	ND		0.10	0.00	3321.02	Sock
RW-1	06/29/06	3368.12	NG	ND	46.96	ND		0.10	0.00	3321.16	Sock
RW-1	07/11/06	3368.12	NG	ND	47.26	ND		0.10	0.00	3320.86	Sock
RW-1	07/25/06	3368.12	NG	47.17	47.22	0.05		0.10	0.00	3320.94	Sock
RW-1	08/09/06	3368.12	NG	47.43	47.60	0.17		0.10	0.00	3320.66	Sock
RW-1	08/09/06	3368.12	58.48	47.02	48.96	1.94		10.00	0.00	3320.81	Flipped Sock
RW-1	08/09/06	3368.12	NG	48.33	48.43	0.10	NA	NA	NA	3319.78	NA
RW-1	08/09/06	3368.12	NG	47.20	47.60	0.40	NA	NA	NA	3320.86	2 hours later
RW-1	08/22/06	3368.12	NG	47.30	48.77	1.47	Hand Bailed	2.50	7.50	3320.60	
RW-1	08/22/06	3368.12	NG	48.20	48.25	0.05	NA	NA	NA	3319.91	New Sock
RW-1	09/12/06	3368.12	58.52	47.10	48.82	1.72	NA	NA	NA	3320.76	Removed Sock
RW-1	09/19/06	3368.12	NG	46.86	49.54	2.68	Hand Bailed	5.00	5.00	3320.86	
RW-1	09/19/06	3368.12	NG	48.53	49.40	0.07	NA	NA	NA	3319.58	
RW-1	10/03/06	3368.12	NG	46.80	49.42	2.62	Hand Bailed	4.50	5.50	3320.93	
RW-1	10/03/06	3368.12	NG	47.70	47.74	0.04	NA	NA	NA	3320.41	No Sock
RW-1	10/17/06	3368.12	NG	46.70	49.45	2.75	Hand Bailed	3.50	1.50	3321.01	
RW-1	10/17/06	3368.12	NG	47.52	47.58	0.06	NA	NA	NA	3320.59	No Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOC D NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	10/31/06	3368.12	NG	46.75	49.63	2.88	Hand Bailed	3.50	1.50	3320.94	
RW-1	10/31/06	3368.12	NG	47.88	47.99	0.11	NA	NA	NA	3320.22	No Sock
RW-1	11/15/06	3368.12	NG	47.88	47.99	0.11	Hand Bailed	3.00	7.00	3320.22	
RW-1	11/15/06	3368.12	NG	48.33	48.51	0.18	NA	NA	NA	3319.76	No Sock
RW-1	12/06/06	3368.12	NG	46.64	49.41	2.77	NA	NA	NA	3321.06	
RW-1	12/13/06	3368.12	NG	46.59	49.50	2.91	Hand Bailed	3.50	1.50	3321.09	
RW-1	12/13/06	3368.12	NG	47.10	47.12	0.02	NA	NA	NA	3321.02	No Sock
RW-1	12/20/06	3368.12	NG	46.41	49.05	2.64	Hand Bailed	2.50	7.50	3321.31	
RW-1	12/20/06	3368.12	NG	47.51	47.70	0.19	NA	NA	NA	3320.58	No Sock
RW-1	12/27/06	3368.12	NG	46.21	48.33	2.12	Hand Bailed	3.50	1.50	3321.59	
RW-1	12/27/06	3368.12	NG	52.28	52.31	0.03	NA	NA	NA	3315.84	No Sock
RW-1	01/03/07	3368.12	NG	46.60	48.88	2.28	Hand Bailed	3.50	6.50	3321.18	
RW-1	01/03/07	3368.12	NG	48.00	48.06	0.06	NA	NA	NA	3320.11	No Sock
RW-1	01/09/07	3368.12	NG	46.92	47.24	0.32	Hand Bailed	3.00	6.00	3321.15	
RW-1	01/09/07	3368.12	NG	47.05	47.11	0.06	NA	NA	NA	3321.06	No Sock
RW-1	01/18/07	3368.12	NG	46.73	48.35	1.62	Hand Bailed	2.00	8.00	3321.15	
RW-1	01/18/07	3368.12	NG	49.10	49.15	0.05	NA	NA	NA	3319.01	No Sock
RW-1	01/25/07	3368.12	NG	46.70	47.55	0.85	Hand Bailed	2.50	7.50	3321.29	
RW-1	01/25/07	3368.12	NG	48.55	48.82	0.27	NA	NA	NA	3319.53	No Sock
RW-1	01/31/07	3368.12	NG	46.60	47.05	0.45	Hand Bailed	0.50	9.50	3321.45	
RW-1	01/31/07	3368.12	NG	48.15	48.20	0.05	NA	NA	NA	3319.96	No Sock
RW-1	02/07/07	3368.12	NG	46.52	47.19	0.67	Hand Bailed	0.75	9.00	3321.50	
RW-1	02/07/07	3368.12	NG	48.36	48.42	0.06	NA	NA	NA	3319.75	No Sock
RW-1	02/14/07	3368.12	NG	46.51	47.23	0.72	Hand Bailed	0.75	9.00	3321.50	
RW-1	02/14/07	3368.12	NG	48.42	48.46	0.04	NA	NA	NA	3319.69	No Sock
RW-1	02/21/07	3368.12	NG	46.77	47.40	0.63	Hand Bailed	0.75	9.00	3321.26	
RW-1	02/21/07	3368.12	NG	ND	48.94	ND	NA	NA	NA	3319.18	No Sock
RW-1	03/07/07	3368.12	NG	46.78	47.33	0.55	Hand Bailed	1.00	9.00	3321.26	
RW-1	03/07/07	3368.12	NG	ND	48.55	ND	NA	NA	NA	3319.57	No Sock
RW-1	03/14/07	3368.12	NG	46.75	47.12	0.37	Hand Bailed	0.50	1.25	3321.31	
RW-1	03/14/07	3368.12	NG	47.20	47.24	0.04	NA	NA	NA	3320.91	Installed Sock
RW-1	03/21/07	3368.12	NG	47.02	47.18	0.16	Hand Bailed	0.25	1.25	3321.08	
RW-1	03/21/07	3368.12	NG	47.10	47.12	0.02	NA	NA	NA	3321.02	Sock
RW-1	03/28/07	3368.12	NG	47.01	47.21	0.20	NA	NA	NA	3321.08	Sock
RW-1	04/04/07	3368.12	NG	47.20	47.40	0.20	NA	NA	NA	3320.89	New Sock
RW-1	04/10/07	3368.12	NG	46.80	46.83	0.03	Hand Bailed	0.10	4.90	3321.32	
RW-1	04/10/07	3368.12	NG	ND	46.96	ND	NA	NA	NA	3321.16	New Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	04/18/07	3368.12	NG	ND	46.92	ND	Hand Bailed	0.10	9.90	3321.20	
RW-1	04/18/07	3368.12	NG	ND	47.00	ND	NA	NA	NA	3321.12	New Sock
RW-1	04/24/07	3368.12	NG	46.87	46.88	0.01	Hand Bailed	0.10	9.90	3321.25	
RW-1	04/24/07	3368.12	NG	ND	46.93	ND	NA	NA	NA	3321.19	New Sock
RW-1	05/03/07	3368.12	NG	46.96	46.98	0.02	Hand Bailed	0.10	9.90	3321.16	
RW-1	05/03/07	3368.12	NG	ND	48.00	ND	NA	NA	NA	3320.12	New Sock
RW-1	05/11/07	3368.12	NG	ND	47.00	ND	NA	NA	NA	3321.12	New Sock
RW-1	05/16/07	3368.12	NG	ND	46.86	ND	Hand Bailed	0.10	9.90	3321.26	
RW-1	05/16/07	3368.12	NG	ND	48.81	ND	NA	NA	NA	3319.31	New Sock
RW-1	05/23/07	3368.12	NG	ND	46.62	ND	Hand Bailed	0.10	9.90	3321.50	
RW-1	05/23/07	3368.12	NG	ND	48.05	ND	NA	NA	NA	3320.07	New Sock
RW-1	05/31/07	3368.12	NG	ND	46.56	ND	NA	NA	NA	3321.56	Flipped Sock
RW-1	06/06/07	3368.12	58.41	ND	46.55	ND	Hand Bailed	0.10	9.90	3321.57	
RW-1	06/06/07	3368.12	58.41	ND	48.30	ND	NA	NA	NA	3319.82	Sock
RW-1	06/13/07	3368.12	58.41	ND	46.67	ND	Hand Bailed	0.10	9.90	3321.45	
RW-1	06/13/07	3368.12	58.41	ND	48.10	ND	NA	NA	NA	3320.02	New Sock
RW-1	06/19/07	3368.12	58.41	ND	46.68	ND	Hand Bailed	0.10	9.90	3321.44	
RW-1	06/19/07	3368.12	58.41	ND	47.71	ND	NA	NA	NA	3320.41	Flipped Sock
RW-1	06/27/07	3368.12	58.41	ND	46.70	ND	Hand Bailed	0.10	9.90	3321.42	
RW-1	06/27/07	3368.12	58.41	ND	47.93	ND	NA	NA	NA	3320.19	Sock
RW-1	07/05/07	3368.12	58.55	ND	46.78	ND	Hand Bailed	0.10	9.90	3321.34	
RW-1	07/05/07	3368.12	58.55	ND	48.72	ND	NA	NA	NA	3319.40	New Sock
RW-1	07/11/07	3368.12	58.55	ND	46.75	ND	Hand Bailed	0.10	9.90	3321.37	
RW-1	07/11/07	3368.12	58.55	ND	47.86	ND	NA	NA	NA	3320.26	Sock
RW-1	07/19/07	3368.12	58.55	ND	47.10	ND	Hand Bailed	0.10	9.90	3321.02	
RW-1	07/19/07	3368.12	58.55	ND	49.06	ND	NA	NA	NA	3319.06	Flipped Sock
RW-1	07/24/07	3368.12	58.55	ND	47.21	ND	Hand Bailed	0.10	9.90	3320.91	
RW-1	07/24/07	3368.12	58.55	ND	48.92	ND	NA	NA	NA	3319.20	Sock
RW-1	07/31/07	3368.12	58.53	ND	47.24	ND	Hand Bailed	0.10	9.90	3320.88	
RW-1	07/31/07	3368.12	58.53	ND	48.86	ND	NA	NA	NA	3319.26	New Sock
RW-1	08/09/07	3368.12	58.53	ND	47.14	ND	Hand Bailed	0.10	9.90	3320.98	
RW-1	08/09/07	3368.12	58.53	ND	48.82	ND	NA	NA	NA	3319.30	New Sock
RW-1	08/16/07	3368.12	58.53	ND	47.15	ND	Hand Bailed	0.10	9.90	3320.97	
RW-1	08/16/07	3368.12	58.53	48.71	48.82	0.11	NA	NA	NA	3319.39	Sock
RW-1	08/22/07	3368.12	58.53	ND	46.99	ND	Hand Bailed	0.10	9.90	3321.13	
RW-1	08/22/07	3368.12	58.53	ND	48.61	ND	NA	NA	NA	3319.51	New Sock
RW-1	08/28/07	3368.12	58.53	ND	47.08	ND	Hand Bailed	0.10	9.90	3321.04	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	08/28/07	3368.12	58.53	ND	48.92	ND	NA	NA	NA	3319.20	New Sock
RW-1	09/07/07	3368.12	58.53	ND	47.10	ND	NA	NA	NA	3321.02	New Sock
RW-1	09/13/07	3368.12	58.53	ND	47.21	ND	Hand Bailed	0.10	9.90	3320.91	
RW-1	09/13/07	3368.12	58.53	ND	48.77	ND	NA	NA	NA	3319.35	New Sock
RW-1	09/18/07	3368.12	58.53	ND	47.18	ND	Hand Bailed	0.10	9.90	3320.94	
RW-1	09/18/07	3368.12	58.53	ND	48.70	ND	NA	NA	NA	3319.42	New Sock
RW-1	09/26/07	3368.12	58.53	ND	47.23	ND	Hand Bailed	0.10	9.90	3320.89	
RW-1	09/26/07	3368.12	58.53	ND	48.60	ND	NA	NA	NA	3319.52	New Sock
RW-1	10/04/07	3368.12	58.53	ND	47.30	ND	Hand Bailed	0.10	8.90	3320.82	
RW-1	10/04/07	3368.12	58.53	ND	48.58	ND	NA	NA	NA	3319.54	New Sock
RW-1	10/10/07	3368.12	58.55	ND	47.37	ND	Hand Bailed	0.10	8.90	3320.75	
RW-1	10/10/07	3368.12	58.55	ND	52.81	ND	NA	NA	NA	3315.31	New Sock
RW-1	10/17/07	3368.12	58.55	ND	47.39	ND	Hand Bailed	0.10	8.90	3320.73	
RW-1	10/17/07	3368.12	58.55	ND	52.79	ND	NA	NA	NA	3315.33	Sock
RW-1	10/24/07	3368.12	58.55	47.25	47.32	0.07	Hand Bailed	1.00	90.00	3320.86	
RW-1	10/24/07	3368.12	58.55	ND	48.20	ND	NA	NA	NA	3319.92	Flipped Sock
RW-1	10/31/07	3368.12	58.55	47.14	47.20	0.06	Hand Bailed	1.00	10.00	3320.97	
RW-1	10/31/07	3368.12	58.55	ND	47.30	ND	NA	NA	NA	3320.82	New Sock
RW-1	11/07/07	3368.12	58.55	47.16	47.28	0.12	Hand Bailed	0.25	9.00	3320.94	
RW-1	11/07/07	3368.12	58.55	47.24	47.28	0.04	NA	NA	NA	3320.87	Sock
RW-1	11/13/07	3368.12	58.55	47.02	47.11	0.09	NA	NA	NA	3321.09	New Sock
RW-1	11/20/07	3368.12	58.55	47.14	47.15	0.01	NA	NA	NA	3320.98	Flipped Sock
RW-1	11/27/07	3368.12	58.55	ND	47.13	ND	Hand Bailed	1.00	8.00	3320.99	
RW-1	11/27/07	3368.12	58.55	ND	47.20	ND	NA	NA	NA	3320.92	New Sock
RW-1	12/05/07	3368.12	58.55	47.10	47.18	0.08	Hand Bailed	0.10	8.00	3321.01	
RW-1	12/05/07	3368.12	58.55	ND	47.11	ND	NA	NA	NA	3321.01	New Sock
RW-1	12/12/07	3368.12	58.55	47.08	47.12	0.04	Hand Bailed	0.10	8.00	3321.03	
RW-1	12/12/07	3368.12	58.55	ND	47.10	ND	NA	NA	NA	3321.02	New Sock
RW-1	12/18/07	3368.12	58.55	ND	46.98	ND	Hand Bailed	0.00	10.00	3321.14	
RW-1	12/18/07	3368.12	58.55	ND	47.39	ND	NA	NA	NA	3320.73	New Sock
RW-1	12/28/07	3368.12	58.55	ND	46.96	ND	Hand Bailed	0.00	9.00	3321.16	
RW-1	12/28/07	3368.12	58.55	ND	47.02	ND	NA	NA	NA	3321.10	New Sock
RW-1	01/03/08	3368.12	58.55	ND	47.07	ND	Hand Bailed	0.00	5.00	3321.05	
RW-1	01/09/08	3368.12	58.55	ND	47.02	ND	NA	NA	NA	3321.10	New Sock
RW-1	01/09/08	3368.12	58.55	ND	47.15	ND	Hand Bailed	0.00	5.00	3320.97	
RW-1	01/09/08	3368.12	58.55	ND	46.83	ND	NA	NA	NA	3321.29	New Sock
RW-1	01/17/08	3368.12	58.55	ND	46.91	ND	Hand Bailed	0.00	10.00	3321.21	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	01/17/08	3368.12	58.55	ND	46.83	ND	NA	NA	NA	3321.29	New Sock
RW-1	01/23/08	3368.12	58.55	ND	46.85	ND	Hand Bailed	0.00	10.00	3321.27	
RW-1	01/23/08	3368.12	58.55	ND	49.28	ND	NA	NA	NA	3318.84	Flipped Sock
RW-1	01/30/08	3368.12	58.55	ND	46.93	ND	Hand Bailed	0.00	10.00	3321.19	
RW-1	01/30/08	3368.12	58.55	ND	48.83	ND	NA	NA	NA	3319.29	Flipped Sock
RW-1	02/06/08	3368.12	58.55	ND	46.96	ND	Hand Bailed	0.00	20.00	3321.16	
RW-1	02/06/08	3368.12	58.55	ND	48.34	ND	NA	NA	NA	3319.78	Flipped Sock
RW-1	02/13/08	3368.12	58.55	ND	46.88	ND	Hand Bailed	0.00	20.00	3321.24	
RW-1	02/13/08	3368.12	58.55	ND	49.12	ND	NA	NA	NA	3319.00	New Sock
RW-1	02/19/08	3368.12	58.55	ND	46.91	ND	Hand Bailed	0.00	20.00	3321.21	
RW-1	02/19/08	3368.12	58.55	ND	48.60	ND	NA	NA	NA	3319.52	Flipped Sock
RW-1	02/27/08	3368.12	58.55	ND	47.14	ND	Hand Bailed	0.00	20.00	3320.98	
RW-1	02/27/08	3368.12	58.55	ND	48.19	ND	NA	NA	NA	3319.93	New Sock
RW-1	03/04/08	3368.12	58.55	ND	46.78	ND	Hand Bailed	0.00	20.00	3321.34	
RW-1	03/04/08	3368.12	58.55	ND	48.46	ND	NA	NA	NA	3319.66	Flipped Sock
RW-1	03/12/08	3368.12	58.55	ND	46.92	ND	Hand Bailed	0.00	20.00	3321.20	
RW-1	03/12/08	3368.12	58.55	ND	49.05	ND	NA	NA	NA	3319.07	New Sock
RW-1	03/19/08	3368.12	58.55	ND	46.95	ND	Hand Bailed	0.00	20.00	3321.17	
RW-1	03/19/08	3368.12	58.55	ND	48.58	ND	NA	NA	NA	3319.54	Flipped Sock
RW-1	03/26/08	3368.12	58.55	ND	47.12	ND	Hand Bailed	0.00	20.00	3321.00	
RW-1	03/26/08	3368.12	58.55	ND	48.40	ND	NA	NA	NA	3319.72	Sock
RW-1	04/02/08	3368.12	58.55	46.94	46.98	0.04	Hand Bailed	0.00	20.00	3321.17	
RW-1	04/02/08	3368.12	58.55	ND	48.00	ND	NA	NA	NA	3320.12	New Sock
RW-1	04/09/08	3368.12	58.55	ND	47.02	ND	Hand Bailed	0.00	20.00	3321.10	
RW-1	04/09/08	3368.12	58.55	ND	47.89	ND	NA	NA	NA	3320.23	Flipped Sock
RW-1	04/16/08	3368.12	58.55	ND	47.05	ND	Hand Bailed	0.00	20.00	3321.07	
RW-1	04/16/08	3368.12	58.55	ND	47.96	ND	NA	NA	NA	3320.16	Sock
RW-1	04/24/08	3368.12	58.55	47.03	47.13	0.10	NA	NA	NA	3321.08	Sock
RW-1	04/30/08	3368.12	58.55	46.82	46.90	0.08	Hand Bailed	0.00	20.00	3321.29	
RW-1	04/30/08	3368.12	58.55	ND	50.70	ND	NA	NA	NA	3317.42	Sock
RW-1	05/07/08	3368.12	58.55	46.84	46.96	0.12	Hand Bailed	0.25	20.00	3321.26	
RW-1	05/07/08	3368.12	58.55	ND	47.63	ND	NA	NA	NA	3320.49	Sock
RW-1	05/14/08	3368.12	58.55	46.89	47.07	0.18	Hand Bailed	0.25	20.00	3321.20	
RW-1	05/14/08	3368.12	58.55	ND	47.96	ND	NA	NA	NA	3320.16	New Sock
RW-1	05/20/08	3368.12	58.55	ND	47.25	ND	Hand Bailed	0.25	23.00	3320.87	
RW-1	05/20/08	3368.12	58.55	ND	48.44	ND	NA	NA	NA	3319.68	New Sock
RW-1	05/22/08	3368.12	58.22	ND	47.27	ND	NA	0.00	22.50	3320.85	New Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	05/28/08	3368.12	58.22	ND	47.26	ND	Hand Bailed	0.00	20.00	3320.86	
RW-1	05/28/08	3368.12	58.22	ND	48.12	ND	NA	NA	NA	3320.00	New Sock
RW-1	06/04/08	3368.12	58.22	ND	47.30	ND	Pumped	0.00	20.00	3320.82	New Sock
RW-1	06/04/08	3368.12	58.22	ND	51.50	ND	NA	NA	NA	3316.62	
RW-1	06/11/08	3368.12	58.22	ND	47.32	ND	Pumped	0.00	20.00	3320.80	New Sock
RW-1	06/11/08	3368.12	58.22	ND	49.96	ND	NA	NA	NA	3318.16	
RW-1	06/18/08	3368.12	58.22	47.35	49.96	2.61	Pumped	0.00	20.00	3320.38	
RW-1	06/18/08	3368.12	58.22	ND	48.99	ND	NA	NA	NA	3319.13	New Sock
RW-1	06/26/08	3368.12	58.22	ND	47.41	ND	Pumped	0.00	20.00	3320.71	
RW-1	06/26/08	3368.12	58.22	ND	47.53	ND	NA	NA	NA	3320.59	New Sock
RW-1	07/02/08	3368.12	58.22	ND	47.43	ND	Pumped	0.00	20.00	3320.69	
RW-1	07/02/08	3368.12	58.22	ND	48.26	ND	NA	NA	NA	3319.86	New Sock
RW-1	07/07/08	3368.12	58.22	ND	47.40	ND	Pumped	0.00	20.00	3320.72	
RW-1	07/07/08	3368.12	58.22	ND	48.31	ND	NA	NA	NA	3319.81	New Sock
RW-1	07/16/08	3368.12	58.22	ND	47.44	ND	Pumped	0.00	20.00	3320.68	
RW-1	07/16/08	3368.12	58.22	ND	49.01	ND	NA	NA	NA	3319.11	Flipped Sock
RW-1	07/22/08	3368.12	58.22	ND	47.49	ND	Pumped	0.00	20.00	3320.63	
RW-1	07/22/08	3368.12	58.22	ND	48.91	ND	NA	NA	NA	3319.21	New Sock
RW-1	07/29/08	3368.12	58.22	ND	47.53	ND	Pumped	0.00	20.00	3320.59	
RW-1	07/29/08	3368.12	58.22	ND	58.99	ND	NA	NA	NA	3309.13	Sock
RW-1	08/05/08	3368.12	58.22	47.52	47.57	0.05	Pumped	0.00	20.00	3320.59	
RW-1	08/05/08	3368.12	58.22	ND	48.31	ND	NA	NA	NA	3319.81	New Sock
RW-1	08/13/08	3368.12	58.22	47.60	47.70	0.10	Pumped	0.00	20.00	3320.51	
RW-1	08/13/08	3368.12	58.22	ND	48.92	ND	NA	NA	NA	3319.20	New Sock
RW-1	08/20/08	3368.12	58.22	47.30	47.69	0.39	NA	NA	NA	3320.76	Sock
RW-1	08/27/08	3368.12	58.22	47.35	47.71	0.36	Pumped	0.50	19.00	3320.72	
RW-1	08/27/08	3368.12	58.22	48.46	48.56	0.10	NA	NA	NA	3319.65	New Sock
RW-1	09/02/08	3368.12	58.22	47.51	47.88	0.37	NA	NA	NA	3320.55	New Sock
RW-1	09/09/08	3368.12	58.22	47.68	47.83	0.15	NA	NA	NA	3320.42	Sock
RW-1	09/12/08	3368.12	58.22	47.75	49.05	1.30	Pumped	2.00	8.00	3320.18	
RW-1	09/12/08	3368.12	58.22	ND	47.62	ND	NA	NA	NA	3320.50	New Sock
RW-1	09/17/08	3368.12	58.22	47.75	49.05	1.30	Pumped	0.50	9.50	3320.18	
RW-1	09/17/08	3368.12	58.22	ND	49.10	ND	NA	NA	NA	3319.02	New Sock
RW-1	10/01/08	3368.12	58.22	47.19	49.81	2.62	Pumped	1.00	9.00	3320.54	
RW-1	10/01/08	3368.12	58.22	ND	50.08	ND	NA	NA	NA	3318.04	Removed Sock
RW-1	10/08/08	3368.12	58.22	45.10	49.68	4.58	Pumped	4.00	16.00	3322.33	
RW-1	10/08/08	3368.12	58.22	48.75	48.77	0.02	NA	NA	NA	3319.37	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	10/15/08	3368.12	58.22	47.12	49.59	2.47	Pumped	3.00	37.00	3320.63	
RW-1	10/15/08	3368.12	58.22	ND	49.89	ND	NA	NA	NA	3318.23	
RW-1	10/22/08	3368.12	58.22	47.25	49.10	1.85	Pumped	6.00	34.00	3320.59	
RW-1	10/22/08	3368.12	58.22	48.26	49.10	0.84	NA	NA	NA	3319.73	
RW-1	10/29/08	3368.12	58.22	47.14	49.63	2.49	Pumped	3.00	27.00	3320.61	
RW-1	10/29/08	3368.12	58.22	ND	49.20	ND	NA	NA	NA	3318.92	
RW-1	11/05/08	3368.12	58.22	47.19	49.57	2.38	Pumped	3.00	27.00	3320.57	
RW-1	11/05/08	3368.12	58.22	48.34	49.02	0.68	NA	NA	NA	3319.68	
RW-1	11/12/08	3368.12	58.22	47.21	49.84	2.63	Pumped	3.00	37.00	3320.52	
RW-1	11/12/08	3368.12	58.22	ND	47.84	ND	NA	NA	NA	3320.28	
RW-1	11/20/08	3368.12	58.22	47.40	49.91	2.51	Pumped	3.00	37.00	3320.34	
RW-1	11/20/08	3368.12	58.22	ND	49.25	ND	NA	NA	NA	3318.87	
RW-1	11/26/08	3368.12	58.22	47.29	49.46	2.17	Pumped	3.00	15.00	3320.50	
RW-1	11/26/08	3368.12	58.22	48.06	48.16	0.10	NA	NA	NA	3320.05	New Sock
RW-1	12/03/08	3368.12	58.22	47.54	49.21	1.67	Pumped	2.00	13.00	3320.33	
RW-1	12/03/08	3368.12	58.22	48.06	48.08	0.02	NA	NA	NA	3320.06	New Sock
RW-1	12/10/08	3368.12	58.22	47.58	48.59	1.01		3.00	12.00	3320.39	New Sock
RW-1	12/10/08	3368.12	58.22	47.82	48.06	0.24	NA	NA	NA	3320.26	
RW-1	12/17/08	3368.12	58.22	47.49	48.31	0.82		2.50	12.50	3320.51	Flipped Sock
RW-1	12/17/08	3368.12	58.22	47.63	47.96	0.33	NA	NA	NA	3320.44	Flipped Sock
RW-1	12/21/08	3368.12	58.22	47.40	50.00	2.60	Hand Bailed	0.50	11.00	3320.33	No Sock
RW-1	12/21/08	3368.12	58.22	47.75	48.03	0.28	NA	NA	NA	3320.33	
RW-1	12/31/08	3368.12	58.22	47.36	49.93	2.57	Hand Bailed	6.00	9.00	3320.37	
RW-1	12/31/08	3368.12	58.22	47.81	47.89	0.08	NA	NA	NA	3320.30	
RW-1	01/07/09	3368.12	58.70	47.30	49.53	2.23	Hand Bailed	10.00	17.00	3320.49	
RW-1	01/07/09	3368.12	58.70	48.87	48.90	0.03	NA	NA	NA	3319.25	
RW-1	01/15/09	3368.12	58.70	47.43	49.81	2.38	Pumped	1.00	16.00	3320.33	
RW-1	01/15/09	3368.12	58.70	ND	48.56	ND	NA	NA	NA	3319.56	
RW-1	01/22/09	3368.12	58.70	47.31	49.49	2.18	Pumped	1.00	19.00	3320.48	
RW-1	01/22/09	3368.12	58.70	ND	48.00	ND	NA	NA	NA	3320.12	
RW-1	01/28/09	3368.12	58.70	47.39	49.29	1.90	Pumped	4.00	20.00	3320.45	
RW-1	01/28/09	3368.12	58.70	ND	48.31	ND	NA	NA	NA	3319.81	
RW-1	02/04/09	3368.12	58.70	47.48	49.57	2.09	Pumped	1.00	19.00	3320.33	
RW-1	02/04/09	3368.12	58.70	48.23	48.24	0.01	NA	NA	NA	3319.89	
RW-1	02/11/09	3368.12	58.70	47.52	49.37	1.85	Pumped	6.00	24.00	3320.32	
RW-1	02/11/09	3368.12	58.70	ND	48.18	ND	NA	NA	NA	3319.94	
RW-1	02/18/09	3368.12	58.70	47.44	49.46	2.02	Pumped	1.50	18.50	3320.38	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	02/18/09	3368.12	58.70	ND	48.34	ND	NA	NA	NA	3319.78	
RW-1	02/25/09	3368.12	58.70	47.38	49.25	1.87	Pumped	0.50	34.50	3320.46	
RW-1	02/25/09	3368.12	58.70	ND	48.57	ND	NA	NA	NA	3319.55	
RW-1	03/04/09	3368.12	58.70	47.36	49.00	1.64	Pumped	1.00	29.00	3320.51	
RW-1	03/04/09	3368.12	58.70	ND	48.55	ND	NA	NA	NA	3319.57	
RW-1	03/11/09	3368.12	58.70	47.56	48.93	1.37	Pumped	2.00	18.00	3320.35	
RW-1	03/11/09	3368.12	58.70	ND	48.17	ND	NA	NA	NA	3319.95	
RW-1	03/18/09	3368.12	58.70	47.34	48.79	1.45	Pumped	1.00	19.00	3320.56	
RW-1	03/18/09	3368.12	58.70	ND	48.14	ND	NA	NA	NA	3319.98	
RW-1	03/25/09	3368.12	58.70	47.33	48.59	1.26	Pumped	2.50	17.50	3320.60	
RW-1	03/25/09	3368.12	58.70	ND	48.29	ND	NA	NA	NA	3319.83	
RW-1	04/01/09	3368.12	58.70	47.24	48.25	1.01	Hand Bailed	1.00	9.75	3320.73	
RW-1	04/01/09	3368.12	58.70	ND	48.71	ND	NA	NA	NA	3319.41	
RW-1	04/08/09	3368.12	58.70	47.27	48.54	1.27	Pumped	1.00	19.00	3320.66	
RW-1	04/08/09	3368.12	58.70	ND	48.72	ND	NA	NA	NA	3319.40	
RW-1	04/15/09	3368.12	58.70	47.29	48.33	1.04	Pumped	1.00	19.00	3320.67	
RW-1	04/15/09	3368.12	58.70	ND	50.63	ND	NA	NA	NA	3317.49	
RW-1	04/22/09	3368.12	58.70	47.26	48.78	1.52	Pumped	2.25	27.50	3320.63	
RW-1	04/22/09	3368.12	58.70	ND	49.08	ND	NA	NA	NA	3319.04	
RW-1	04/29/09	3368.12	58.70	47.32	48.43	1.11	Pumped	1.50	18.50	3320.63	
RW-1	04/29/09	3368.12	58.70	ND	48.32	ND	NA	NA	NA	3319.80	
RW-1	05/06/09	3368.12	58.70	47.38	48.50	1.12	Pumped	1.50	18.50	3320.57	
RW-1	05/06/09	3368.12	58.70	ND	47.75	ND	NA	NA	NA	3320.37	
RW-1	05/14/09	3368.12	58.70	47.49	49.10	1.61	Pumped	1.00	19.00	3320.39	
RW-1	05/14/09	3368.12	58.70	ND	48.27	ND	NA	NA	NA	3319.85	
RW-1	05/20/09	3368.12	58.70	47.49	49.28	1.79	NA	NA	NA	3320.36	
RW-1	05/28/09	3368.12	58.70	47.47	49.18	1.71	Pumped	1.00	19.00	3320.39	
RW-1	05/28/09	3368.12	58.70	ND	48.39	ND	NA	NA	NA	3319.73	
RW-1	06/03/09	3368.12	58.70	47.47	49.38	1.91	Pumped	1.50	24.50	3320.36	
RW-1	06/03/09	3368.12	58.70	ND	49.03	ND	NA	NA	NA	3319.09	
RW-1	06/11/09	3368.12	58.70	47.39	49.50	2.11	Pumped	1.50	24.50	3320.41	
RW-1	06/11/09	3368.12	58.70	ND	49.41	ND	NA	NA	NA	3318.71	
RW-1	06/17/09	3368.12	58.70	47.38	49.10	1.72	Pumped	3.00	22.00	3320.48	
RW-1	06/17/09	3368.12	58.70	ND	49.25	ND	NA	NA	NA	3318.87	
RW-1	06/23/09	3368.12	58.70	47.52	48.50	0.98	Pumped	1.00	14.00	3320.45	
RW-1	06/23/09	3368.12	58.70	ND	49.50	ND	NA	NA	NA	3318.62	
RW-1	07/01/09	3368.12	58.70	47.41	48.60	1.19	Pumped	2.00	13.00	3320.53	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	07/01/09	3368.12	58.70	ND	49.35	ND	NA	NA	NA	3318.77	
RW-1	07/07/09	3368.12	58.70	47.40	48.35	0.95	Pumped	1.00	14.00	3320.58	
RW-1	07/07/09	3368.12	58.70	ND	48.94	ND	NA	NA	NA	3319.18	
RW-1	07/15/09	3368.12	58.70	47.36	48.64	1.28	Pumped	3.00	7.00	3320.57	
RW-1	07/15/09	3368.12	58.70	ND	48.02	ND	NA	NA	NA	3320.10	
RW-1	07/29/09	3368.12	58.70	47.34	48.31	0.97	Pumped	0.50	19.50	3320.63	
RW-1	08/05/09	3368.12	58.70	47.40	48.13	0.73	Pumped	1.00	9.00	3320.61	
RW-1	08/05/09	3368.12	58.70	ND	49.45	ND	NA	NA	NA	3318.67	
RW-1	08/12/09	3368.12	58.70	47.34	48.05	0.71	Pumped	1.50	18.50	3320.67	
RW-1	08/12/09	3368.12	58.70	ND	50.35	ND	NA	NA	NA	3317.77	
RW-1	08/19/09	3368.12	58.70	47.26	47.89	0.63	Pumped	0.50	14.75	3320.77	
RW-1	08/19/09	3368.12	58.70	ND	49.05	ND	NA	NA	NA	3319.07	
RW-1	08/27/09	3368.12	58.70	47.30	48.03	0.73	Pumped	0.50	14.50	3320.71	
RW-1	08/27/09	3368.12	58.70	ND	48.10	ND	NA	NA	NA	3320.02	
RW-1	09/02/09	3368.12	58.70	47.32	47.96	0.64	Pumped	1.00	15.00	3320.70	
RW-1	09/02/09	3368.12	58.70	ND	48.71	ND	NA	NA	NA	3319.41	
RW-1	09/09/09	3368.12	58.70	47.31	47.93	0.62	Pumped	0.25	14.75	3320.72	
RW-1	09/09/09	3368.12	58.70	ND	48.13	ND	NA	NA	NA	3319.99	
RW-1	09/16/09	3368.12	58.70	47.36	48.01	0.65	Pumped	0.50	14.50	3320.66	
RW-1	09/16/09	3368.12	58.70	ND	49.80	ND	NA	NA	NA	3318.32	
RW-1	09/23/09	3368.12	58.70	47.31	47.96	0.65	Pumped	0.50	9.50	3320.71	
RW-1	09/23/09	3368.12	58.70	ND	47.57	ND	NA	NA	NA	3320.55	
RW-1	09/23/09	3368.12	58.70	47.42	47.44	0.02	Pumped	NA	10.00	3320.70	
RW-1	09/23/09	3368.12	58.70	ND	50.13	ND	NA	NA	NA	3317.99	
RW-1	09/30/09	3368.12	58.70	47.25	47.85	0.60	Pumped	0.50	9.50	3320.78	
RW-1	09/30/09	3368.12	58.70	ND	50.20	ND	NA	NA	NA	3317.92	
RW-1	09/30/09	3368.12	58.70	47.25	47.36	0.11	Pumped	0.25	9.75	3320.85	
RW-1	09/30/09	3368.12	58.70	ND	48.70	ND	NA	NA	NA	3319.42	
RW-1	10/07/09	3368.12	58.70	47.30	47.91	0.61	Pumped	0.25	9.75	3320.73	
RW-1	10/07/09	3368.12	58.70	ND	49.08	ND	NA	NA	NA	3319.04	
RW-1	10/07/09	3368.12	58.70	47.30	47.41	0.11	Pumped	0.25	9.75	3320.80	
RW-1	10/07/09	3368.12	58.70	ND	49.92	ND	NA	NA	NA	3318.20	
RW-1	10/14/09	3368.12	58.70	47.32	47.86	0.54	Pumped	0.50	9.50	3320.72	
RW-1	10/14/09	3368.12	58.70	ND	48.96	ND	NA	NA	NA	3319.16	
RW-1	10/14/09	3368.12	58.70	47.29	47.33	0.04	Pumped	0.10	9.90	3320.82	
RW-1	10/14/09	3368.12	58.70	ND	48.57	ND	NA	NA	NA	3319.55	
RW-1	10/21/09	3368.12	58.70	47.28	47.65	0.37	Pumped	0.50	9.50	3320.78	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	10/21/09	3368.12	58.70	ND	49.01	ND	NA	NA	NA	3319.11	
RW-1	10/28/09	3368.12	58.70	47.20	47.65	0.45	Pumped	0.25	19.75	3320.85	
RW-1	10/28/09	3368.12	58.70	ND	48.73	ND	NA	NA	NA	3319.39	
RW-1	11/04/09	3368.12	58.70	47.43	48.13	0.70	Pumped	0.50	9.50	3320.59	
RW-1	11/04/09	3368.12	58.70	ND	49.24	ND	NA	AM	NA	3318.88	
RW-1	11/04/09	3368.12	58.70	47.49	47.53	0.04	Pumped	0.00	10.00	3320.62	
RW-1	11/04/09	3368.12	58.70	ND	48.88	ND	NA	NA	NA	3319.24	
RW-1	11/11/09	3368.12	58.70	47.46	47.96	0.50	Pumped	0.50	9.50	3320.59	
RW-1	11/11/09	3368.12	58.70	ND	49.59	ND	NA	NA	NA	3318.53	
RW-1	11/11/09	3368.12	58.70	47.45	47.51	0.06	Pumped	0.10	9.90	3320.66	
RW-1	11/11/09	3368.12	58.70	ND	48.70	ND	NA	NA	NA	3319.42	
RW-1	11/18/09	3368.12	58.70	48.31	48.76	0.45	Pumped	0.25	20.00	3319.74	
RW-1	11/18/09	3368.12	58.70	ND	49.45	ND	NA	NA	NA	3318.67	
RW-1	11/25/09	3368.12	58.70	47.45	48.01	0.56	Pumped	0.50	9.50	3320.59	
RW-1	11/25/09	3368.12	58.70	ND	49.30	ND	NA	NA	NA	3318.82	
RW-1	12/02/09	3368.12	58.70	47.45	47.95	0.50	Pumped	0.25	9.75	3320.60	
RW-1	12/02/09	3368.12	58.70	49.30	50.66	1.36	NA	NA	NA	3318.62	
RW-1	12/09/09	3368.12	58.70	47.46	48.00	0.54	Pumped	0.25	20.00	3320.58	
RW-1	12/09/09	3368.12	58.70	ND	49.54	ND	NA	NA	NA	3318.58	
RW-1	12/16/09	3368.12	58.70	47.43	48.06	0.63	Pumped	0.50	14.50	3320.60	
RW-1	12/16/09	3368.12	58.70	48.95	49.85	0.90	NA	NA	NA	3319.04	
RW-1	12/23/09	3368.12	58.70	47.23	47.60	0.37	Pumped	0.50	19.50	3320.83	
RW-1	12/23/09	3368.12	58.70	ND	50.22	ND	NA	NA	NA	3317.90	
RW-1	12/30/09	3368.12	58.70	47.27	47.81	0.54	Pumped	0.25	19.75	3320.77	
RW-1	12/30/09	3368.12	58.70	ND	49.28	ND	NA	NA	NA	3318.84	
RW-1	01/06/10	3368.12	58.70	47.13	47.63	0.50	Pumped	0.25	9.75	3320.92	
RW-1	01/06/10	3368.12	58.70	ND	49.54	ND	NA	NA	NA	3318.58	
RW-1	01/13/10	3368.12	58.70	47.22	47.80	0.58	Pumped	0.25	9.75	3320.81	
RW-1	01/13/10	3368.12	58.70	ND	48.44	ND	NA	NA	NA	3319.68	
RW-1	01/27/10	3368.12	58.70	47.15	47.76	0.61	Pumped	0.50	9.50	3320.88	
RW-1	01/27/10	3368.12	58.70	ND	48.70	ND	NA	NA	NA	3319.42	
RW-1	02/11/10	3368.12	58.70	47.10	47.59	0.49	Pumped	0.10	9.90	3320.95	
RW-1	02/11/10	3368.12	58.70	ND	48.42	ND	NA	NA	NA	3319.70	
RW-1	02/17/10	3368.12	58.70	47.17	47.75	0.58	Pumped	0.50	9.50	3320.86	
RW-1	02/17/10	3368.12	58.70	ND	48.80	ND	NA	NA	NA	3319.32	
RW-1	03/02/10	3368.12	58.70	47.13	47.65	0.52	Pumped	0.10	9.90	3320.91	
RW-1	03/02/10	3368.12	58.70	ND	48.54	ND	NA	NA	NA	3319.58	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	03/10/10	3368.12	58.70	47.05	47.38	0.33	Pumped	0.10	9.90	3321.02	
RW-1	03/10/10	3368.12	58.70	ND	48.44	ND	NA	NA	NA	3319.68	
RW-1	03/17/10	3368.12	58.70	47.16	47.74	0.58	Pumped	0.25	14.75	3320.87	
RW-1	03/17/10	3368.12	58.70	ND	48.98	ND	NA	NA	NA	3319.14	
RW-1	03/24/10	3368.12	58.70	47.12	47.52	0.40	Pumped	0.10	9.90	3320.94	
RW-1	03/24/10	3368.12	58.70	ND	48.61	ND	NA	NA	NA	3319.51	
RW-1	03/31/10	3368.12	58.70	47.06	47.45	0.39	Pumped	0.50	29.50	3321.00	
RW-1	03/31/10	3368.12	58.70	ND	48.10	ND	NA	NA	NA	3320.02	
RW-1	04/07/10	3368.12	58.70	47.15	47.69	0.54	Pumped	0.10	14.90	3320.89	
RW-1	04/07/10	3368.12	58.70	ND	48.52	ND	NA	NA	NA	3319.60	
RW-1	04/14/10	3368.12	58.70	47.12	47.55	0.43	Pumped	0.25	19.75	3320.94	
RW-1	04/14/10	3368.12	58.70	ND	48.11	ND	NA	NA	NA	3320.01	
RW-1	04/21/10	3368.12	58.70	47.03	47.18	0.15	Pumped	0.10	19.90	3321.07	
RW-1	04/21/10	3368.12	58.70	ND	47.90	ND	NA	NA	NA	3320.22	
RW-1	04/28/10	3368.12	58.70	47.12	47.34	0.22	Pumped	0.10	14.90	3320.97	
RW-1	04/28/10	3368.12	58.70	ND	49.13	ND	NA	NA	NA	3318.99	
RW-1	05/05/10	3368.12	58.70	47.10	47.46	0.36	Pumped	0.50	9.50	3320.97	
RW-1	05/05/10	3368.12	58.70	ND	50.25	ND	NA	NA	NA	3317.87	
RW-1	05/11/10	3368.12	58.70	47.10	47.38	0.28	Pumped	0.10	21.90	3320.98	
RW-1	05/11/10	3368.12	58.70	ND	48.82	ND	NA	NA	NA	3319.30	
RW-1	05/19/10	3368.12	58.70	47.11	47.42	0.31	Pumped	0.25	9.75	3320.96	
RW-1	05/19/10	3368.12	58.70	ND	48.45	ND	NA	NA	NA	3319.67	
RW-1	05/29/10	3368.12	58.70	47.15	47.60	0.45	Pumped	0.25	19.75	3320.90	
RW-1	05/29/10	3368.12	58.70	ND	48.05	ND	NA	NA	NA	3320.07	
RW-1	06/02/10	3368.12	58.70	47.15	47.35	0.20	Pump	0.10	14.90	3320.94	
RW-1	06/02/10	3368.12	58.70	ND	49.05	ND	NA	NA	NA	3319.07	
RW-1	06/12/10	3368.12	58.70	47.20	47.56	0.36	Pumped	<0.25	10.00	3320.87	
RW-1	06/12/10	3368.12	58.70	ND	48.95	ND	NA	NA	NA	3319.17	
RW-1	06/15/10	3368.12	58.70	47.18	47.48	0.30	Pumped	2.00	13.00	3320.90	
RW-1	06/15/10	3368.12	58.70	ND	49.26	ND	NA	NA	NA	3318.86	
RW-1	06/25/10	3368.12	58.70	47.20	47.60	0.40	Pumped	<0.25	10.00	3320.86	
RW-1	06/25/10	3368.12	58.70	ND	49.30	ND	NA	NA	NA	3318.82	
RW-1	06/30/10	3368.12	58.70	47.23	47.68	0.45	NA	NA	NA	3320.82	
RW-1	07/07/10	3368.12	58.70	47.21	47.67	0.46	Pumped	0.50	9.50	3320.84	
RW-1	07/07/10	3368.12	58.70	ND	48.56	ND	NA	NA	NA	3319.56	
RW-1	07/14/10	3368.12	58.70	47.19	47.50	0.31	Pumped	0.10	14.90	3320.88	
RW-1	07/14/10	3368.12	58.70	ND	49.06	ND	NA	NA	NA	3319.06	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	07/21/10	3368.12	58.70	47.20	47.55	0.35	Pumped	<0.25	15.00	3320.87	
RW-1	07/21/10	3368.12	58.70	ND	49.54	ND	NA	NA	NA	3318.58	
RW-1	07/28/10	3368.12	58.70	47.21	47.55	0.34	Pumped	<0.25	10.00	3320.86	
RW-1	07/28/10	3368.12	58.70	ND	49.59	ND	NA	NA	NA	3318.53	
RW-1	08/03/10	3368.12	58.70	47.20	47.50	0.30	Pumped	<0.25	10.00	3320.88	
RW-1	08/03/10	3368.12	58.70	ND	48.65	ND	NA	NA	NA	3319.47	
RW-1	08/11/10	3368.12	58.70	47.20	47.54	0.34	Pumped	<0.25	15.00	3320.87	
RW-1	08/11/10	3368.12	58.70	ND	48.75	ND	NA	NA	NA	3319.37	
RW-1	08/18/10	3368.12	58.70	47.21	47.58	0.37	Pumped	0.10	9.90	3320.85	
RW-1	08/18/10	3368.12	58.70	ND	49.10	ND	NA	NA	NA	3319.02	
RW-1	08/25/10	3368.12	58.70	47.28	47.67	0.39	Pumped	0.10	9.90	3320.78	
RW-1	08/25/10	3368.12	58.70	ND	48.28	ND	NA	NA	NA	3319.84	
RW-1	09/01/10	3368.12	58.70	47.12	47.28	0.16	Pumped	0.10	14.90	3320.98	
RW-1	09/01/10	3368.12	58.70	ND	49.31	ND	NA	NA	NA	3318.81	
RW-1	09/08/10	3368.12	58.70	47.15	47.34	0.19	Pumped	0.10	14.90	3320.94	
RW-1	09/08/10	3368.12	58.70	ND	49.66	ND	NA	NA	NA	3318.46	
RW-1	09/15/10	3368.12	58.70	47.14	47.33	0.19	Pumped	0.10	9.90	3320.95	
RW-1	09/15/10	3368.12	58.70	ND	49.15	ND	NA	NA	NA	3318.97	
RW-1	09/21/10	3368.12	58.70	47.09	47.20	0.11	Pumped	0.10	19.90	3321.01	
RW-1	09/21/10	3368.12	58.70	ND	48.93	ND	NA	NA	NA	3319.19	
RW-1	10/01/10	3368.12	58.70	47.14	47.34	0.20	Pumped	0.10	9.90	3320.95	
RW-1	10/01/10	3368.12	58.70	ND	48.55	ND	NA	NA	NA	3319.57	
RW-1	10/06/10	3368.12	58.70	47.11	47.25	0.14	Pumped	0.10	9.90	3320.99	
RW-1	10/06/10	3368.12	58.70	ND	48.50	ND	NA	NA	NA	3319.62	
RW-1	10/13/10	3368.12	58.70	47.16	47.33	0.17	Pumped	<0.25	10.00	3320.93	
RW-1	10/13/10	3368.12	58.70	ND	48.38	ND	NA	NA	NA	3319.74	
RW-1	10/22/10	3368.12	58.70	47.00	47.01	0.01	NA	NA	NA	3321.12	
RW-1	10/27/10	3368.12	58.70	47.00	47.01	0.01	Pumped	0.10	9.90	3321.12	
RW-1	10/27/10	3368.12	58.70	ND	50.10	ND	NA	NA	NA	3318.02	
RW-1	11/03/10	3368.12	58.70	47.05	47.06	0.01	NA	NA	NA	3321.07	
RW-1	11/10/10	3368.12	58.70	ND	46.84	ND	NA	NA	NA	3321.28	
RW-1	11/16/10	3368.12	58.70	ND	46.93	ND	Pumped	0.10	9.90	3321.19	
RW-1	11/16/10	3368.12	58.70	ND	49.57	ND	NA	NA	NA	3318.55	
RW-1	11/24/10	3368.12	58.70	ND	46.86	ND	NA	NA	NA	3321.26	
RW-1	12/01/10	3368.12	58.70	ND	46.80	ND	NA	NA	NA	3321.32	
RW-1	12/08/10	3368.12	58.70	ND	46.87	ND	NA	NA	NA	3321.25	
RW-1	12/15/10	3368.12	58.70	46.98	46.99	0.01	Pumped	0.10	4.90	3321.14	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	12/15/10	3368.12	58.70	ND	48.79	ND	NA	NA	NA	3319.33	
RW-1	12/21/10	3368.12	58.70	ND	46.50	ND	Pumped	0.10	9.90	3321.62	
RW-1	12/21/10	3368.12	58.70	ND	48.02	ND	NA	NA	NA	3320.10	
RW-1	01/08/11	3368.12	58.70	ND	46.70	ND	NA	NA	NA	3321.42	
RW-1	01/12/11	3368.12	58.70	ND	46.77	ND	NA	NA	NA	3321.35	
RW-1	01/19/11	3368.12	58.70	ND	46.65	ND	NA	NA	NA	3321.47	
RW-1	01/25/11	3368.12	58.70	ND	46.76	ND	NA	NA	NA	3321.36	
RW-1	02/04/11	3368.12	58.70	ND	46.64	ND	NA	NA	NA	3321.48	
RW-1	02/08/11	3368.12	58.70	ND	46.58	ND	NA	NA	NA	3321.54	
RW-1	02/16/11	3368.12	58.70	ND	46.60	ND	NA	NA	NA	3321.52	
RW-1	02/23/11	3368.12	58.70	ND	46.60	ND	NA	NA	NA	3321.52	
RW-1	03/02/11	3368.12	58.70	ND	46.66	ND	NA	NA	NA	3321.46	
RW-1	03/08/11	3368.12	58.70	Sheen	46.61	Sheen	NA	NA	NA	3321.51	
RW-1	03/16/11	3368.12	58.70	ND	46.61	ND	Pumped	0.10	4.90	3321.51	
RW-1	03/16/11	3368.12	58.70	ND	47.90	ND	NA	NA	NA	3320.22	
RW-1	03/23/11	3368.12	58.70	ND	46.04	ND	NA	NA	NA	3322.08	
RW-1	03/30/11	3368.12	58.70	ND	46.56	ND	NA	NA	NA	3321.56	
RW-1	04/08/11	3368.12	58.70	ND	46.54	ND	NA	NA	NA	3321.58	
RW-1	04/13/11	3368.12	58.70	ND	46.55	ND	NA	NA	NA	3321.57	
RW-1	04/20/11	3368.12	58.70	ND	46.63	ND	NA	NA	NA	3321.49	
RW-1	04/27/11	3368.12	58.70	ND	46.67	ND	NA	NA	NA	3321.45	
RW-1	05/04/11	3368.12	58.70	Sheen	46.56	Sheen	NA	NA	NA	3321.56	
RW-1	05/11/11	3368.12	58.70	ND	46.63	ND	NA	NA	NA	3321.49	
RW-1	05/19/11	3368.12	58.70	ND	46.56	ND	NA	NA	NA	3321.56	
RW-1	05/24/11	3368.12	58.70	Light Sheen	46.56	Light Sheen	NA	NA	NA	3321.56	
RW-1	06/02/11	3368.12	58.70	ND	46.16	ND	NA	NA	NA	3321.96	Sampled
RW-1	06/08/11	3368.12	58.70	ND	48.32	ND	NA	NA	NA	3319.80	
RW-1	06/17/11	3368.12	58.70	ND	46.28	ND	NA	NA	NA	3321.84	
RW-1	06/21/11	3368.12	58.70	ND	48.27	ND	NA	NA	NA	3319.85	
RW-1	06/29/11	3368.12	58.70	ND	46.86	ND	NA	NA	NA	3321.26	
RW-1	07/06/11	3368.12	58.70	Light Sheen	46.91	Light Sheen	NA	NA	NA	3321.21	
RW-1	07/13/11	3368.12	58.70	46.88	46.89	0.01		0.10	4.90	3321.24	
RW-1	07/13/11	3368.12	58.70	ND	47.22	ND	NA	NA	NA	3320.90	
RW-1	07/21/11	3368.12	58.70	ND	46.90	ND	NA	NA	NA	3321.22	
RW-1	07/27/11	3368.12	58.70	ND	46.91	ND	NA	NA	NA	3321.21	
RW-1	08/03/11	3368.12	58.70	ND	46.97	ND	NA	NA	NA	3321.15	
RW-1	08/11/11	3368.12	58.70	ND	46.98	ND	NA	NA	NA	3321.14	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	08/17/11	3368.12	58.70	Sheen	46.98	Sheen	NA	NA	NA	3321.14	
RW-1	08/24/11	3368.12	58.70	Sheen	47.05	Sheen	NA	NA	NA	3321.07	
RW-1	08/30/11	3368.12	58.70	Sheen	46.99	Sheen	NA	NA	NA	3321.13	
RW-1	09/07/11	3368.12	58.70	Sheen	47.11	Sheen	NA	NA	NA	3321.01	
RW-1	09/14/11	3368.12	58.70	Sheen	47.08	Sheen	NA	NA	NA	3321.04	
RW-1	09/21/11	3368.12	58.70	Sheen	47.17	Sheen	NA	NA	NA	3320.95	
RW-1	09/28/11	3368.12	58.70	Heavy Sheen	46.09	Heavy Sheen	NA	NA	NA	3322.03	
RW-1	10/05/11	3368.12	58.70	Sheen	47.05	Sheen	NA	NA	NA	3321.07	
RW-1	10/12/11	3368.12	58.70	ND	47.09	ND	NA	NA	NA	3321.03	
RW-1	10/18/11	3368.12	58.70	47.24	47.25	0.01	0.10	0.10	9.90	3320.88	
RW-1	10/18/11	3368.12	58.70	ND	48.20	ND	NA	NA	NA	3319.92	
RW-1	10/28/11	3368.12	58.70	46.24	46.25	0.01	NA	NA	NA	3321.88	
RW-1	11/02/11	3368.12	58.70	ND	47.11	ND	NA	NA	NA	3321.01	
RW-1	11/09/11	3368.12	58.70	47.29	47.30	0.01	Hand Bailed	0.10	4.90	3320.83	
RW-1	11/09/11	3368.12	58.70	ND	48.95	ND	NA	NA	NA	3319.17	
RW-1	11/18/11	3368.12	58.70	47.08	47.09	0.01	NA	NA	NA	3321.04	
RW-1	11/23/11	3368.12	58.70	47.20	47.21	0.01	NA	NA	NA	3320.92	
RW-1	11/29/11	3368.12	58.70	47.17	47.18	0.01	NA	NA	NA	3320.95	
RW-1	12/13/11	3368.12	58.70	47.07	47.08	0.01	NA	NA	NA	3321.05	
RW-1	12/20/11	3368.12	58.70	ND	47.15	ND	NA	NA	NA	3320.97	
RW-1	12/27/11	3368.12	58.70	ND	47.16	ND	NA	NA	NA	3320.96	
RW-1	01/04/11	3368.12	58.70	ND	47.19	ND	NA	NA	NA	3320.93	
RW-1	01/13/12	3368.12	58.70	ND	47.12	ND	NA	NA	NA	3321.00	
RW-1	01/18/12	3368.12	58.70	ND	47.10	ND	NA	NA	NA	3321.02	
RW-1	01/27/12	3368.12	58.70	Light Sheen	47.02	Light Sheen	NA	NA	NA	3321.10	
RW-1	02/02/12	3368.12	58.70	Sheen	46.97	Sheen	NA	NA	NA	3321.15	
RW-1	02/08/12	3368.12	58.70	ND	47.12	ND	NA	NA	NA	3321.00	
RW-1	02/15/12	3368.12	58.70	ND	47.08	ND	NA	NA	NA	3321.04	
RW-1	02/23/12	3368.12	58.70	ND	46.90	ND	NA	NA	NA	3321.22	
RW-1	02/29/12	3368.12	58.70	ND	47.03	ND	NA	NA	NA	3321.09	
RW-1	03/06/12	3368.12	58.70	46.96	46.97	0.01	NA	NA	NA	3321.16	
RW-1	03/14/12	3368.12	58.70	ND	47.05	ND	NA	NA	NA	3321.07	
RW-1	03/21/12	3368.12	58.70	ND	46.92	ND	NA	NA	NA	3321.20	
RW-1	03/29/12	3368.12	58.70	ND	46.96	ND	NA	NA	NA	3321.16	
RW-1	04/03/12	3368.12	58.70	ND	46.96	ND	NA	NA	NA	3321.16	
RW-1	04/11/12	3368.12	58.70	ND	46.90	ND	NA	NA	NA	3321.22	
RW-1	04/20/12	3368.12	58.70	ND	47.10	ND	NA	NA	NA	3321.02	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	04/26/12	3368.12	58.70	ND	47.00	ND	NA	NA	NA	3321.12	
RW-1	05/02/12	3368.12	58.70	ND	47.02	ND	NA	NA	NA	3321.10	
RW-1	05/09/12	3368.12	58.70	Sheen	47.18	Sheen	NA	NA	NA	3320.94	
RW-1	05/16/12	3368.12	58.70	ND	47.20	ND	NA	NA	NA	3320.92	
RW-1	05/23/12	3368.12	58.70	47.30	47.41	0.11	NA	NA	NA	3320.80	
RW-1	05/29/12	3368.12	58.70	47.56	47.67	0.11		0.20	9.80	3320.54	
RW-1	05/29/12	3368.12	58.70	ND	49.08	ND	NA	NA	NA	3319.04	
RW-1	06/06/12	3368.12	58.70	47.85	47.86	0.01	NA	NA	NA	3320.27	
RW-1	06/13/12	3368.12	58.70	47.90	47.91	0.01	NA	NA	NA	3320.22	
RW-1	06/19/12	3368.12	58.70	48.00	48.28	0.28		0.10	9.90	3320.08	
RW-1	06/19/12	3368.12	58.70	ND	48.95	ND	NA	NA	NA	3319.17	
RW-1	06/27/12	3368.12	58.70	48.22	48.24	0.02	NA	NA	NA	3319.90	
RW-1	07/05/12	3368.12	58.70	48.41	48.63	0.22	NA	NA	NA	3319.68	
RW-1	07/11/12	3368.12	58.70	48.06	48.56	0.50	NA	NA	10.00	3319.99	
RW-1	07/11/12	3368.12	58.70	ND	49.19	ND	NA	NA	NA	3318.93	
RW-1	07/18/12	3368.12	58.70	48.60	49.30	0.70	NA	NA	10.00	3319.42	
RW-1	07/18/12	3368.12	58.70	ND	51.60	ND	NA	NA	NA	3316.52	
RW-1	07/25/12	3368.12	58.70	48.71	49.16	0.45	NA	Heavy Sheen	10.00	3319.34	
RW-1	07/25/12	3368.12	58.70	ND	50.76	ND	NA	NA	NA	3317.36	
RW-1	07/31/12	3368.12	58.70	48.78	49.52	0.74	NA	0.10	15.00	3319.23	
RW-1	07/31/12	3368.12	58.70	ND	51.96	ND	NA	NA	NA	3316.16	
RW-1	08/08/12	3368.12	58.70	48.80	49.85	1.05	NA	NA	NA	3319.16	
RW-1	08/13/12	3368.12	58.70	48.77	49.91	1.14	NA	2.00	18.00	3319.18	
RW-1	08/13/12	3368.12	58.70	ND	51.00	ND	NA	NA	NA	3317.12	
RW-1	08/20/12	3368.12	58.70	48.84	49.40	0.56	NA	1.00	9.00	3319.20	
RW-1	08/20/12	3368.12	58.70	ND	50.58	ND	NA	NA	NA	3317.54	
RW-1	09/05/12	3368.12	58.70	48.69	50.05	1.36	NA	NA	NA	3319.23	
RW-1	09/12/12	3368.12	58.70	ND	48.66	ND	NA	1.00	9.00	3319.46	
RW-1	09/19/12	3368.12	58.70	48.62	50.10	1.48	NA	1.00	24.00	3319.28	
RW-1	09/19/12	3368.12	58.70	ND	51.70	ND	NA	NA	NA	3316.42	
RW-1	09/25/12	3368.12	58.70	48.66	49.28	0.62	NA	0.10	20.00	3319.37	
RW-1	09/25/12	3368.12	58.70	ND	50.96	ND	NA	NA	NA	3317.16	
RW-1	10/02/12	3368.12	58.70	48.70	49.39	0.69	NA	1.00	14.00	3319.32	
RW-1	10/02/12	3368.12	58.70	ND	49.95	ND	NA	NA	NA	3318.17	
RW-1	10/10/12	3368.12	58.70	48.70	49.40	0.70	NA	0.10	15.00	3319.32	
RW-1	10/10/12	3368.12	58.70	ND	51.22	ND	NA	NA	NA	3316.90	
RW-1	10/16/12	3368.12	58.70	48.48	49.52	1.04	NA	0.50	9.50	3319.48	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOC D NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-1	10/16/12	3368.12	58.70	ND	51.40	ND	NA	NA	NA	3316.72	
RW-1	10/24/12	3368.12	58.70	48.53	49.43	0.90	NA	NA	NA	3319.46	
RW-1	10/30/12	3368.12	58.70	48.55	49.75	1.20	NA	NA	NA	3319.39	
RW-1	11/06/12	3368.12	58.70	48.66	49.54	0.88	NA	0.50	19.50	3319.33	
RW-1	11/06/12	3368.12	58.70	ND	51.50	ND	NA	NA	NA	3316.62	
RW-1	11/13/12	3368.12	58.70	48.68	49.92	1.24	NA	0.10	10.00	3319.25	
RW-1	11/13/12	3368.12	58.70	ND	50.33	ND	NA	NA	NA	3317.79	
RW-1	11/19/12	3368.12	58.70	48.74	49.44	0.70	NA	NA	NA	3319.28	
RW-1	12/05/12	3368.12	58.70	48.70	49.95	1.25	NA	0.50	9.50	3319.23	
RW-1	12/05/12	3368.12	58.70	ND	50.18	ND	NA	0.50	9.50	3317.94	
RW-1	12/11/12	3368.12	58.70	48.87	49.50	0.63	NA	NA	NA	3319.16	
RW-2	12/21/05	3368.32	60.02	ND	46.85	ND	NA	NA	NA	3321.47	Installed Sock
RW-2	12/29/05	3368.32	NG	ND	46.63	ND	NA	NA	NA	3321.69	Sock
RW-2	01/05/06	3368.32	NG	ND	46.94	ND	NA	NA	NA	3321.38	Sock
RW-2	02/09/06	3368.32	NG	ND	46.71	ND	NA	NA	NA	3321.61	Sock
RW-2	02/22/06	3368.32	NG	ND	46.68	ND	NA	NA	NA	3321.64	Sock
RW-2	03/28/06	3368.32	NG	ND	46.45	ND		0.10	0.00	3321.87	Sock
RW-2	04/13/06	3368.32	NG	ND	46.93	ND		0.10	0.00	3321.39	Sock
RW-2	04/25/06	3368.32	NG	ND	47.12	ND		0.10	0.00	3321.20	Sock
RW-2	05/11/06	3368.32	NG	ND	47.13	ND		0.10	0.00	3321.19	Sock
RW-2	05/24/06	3368.32	NG	ND	47.12	ND		0.10	0.00	3321.20	Sock
RW-2	06/07/06	3368.32	NG	ND	47.00	ND		0.10	4.90	3321.32	Sock
RW-2	06/07/06	3368.32	NG	ND	47.38	ND		0.10	0.00	3320.94	Sock
RW-2	06/15/06	3368.32	NG	ND	47.23	ND		0.10	0.00	3321.09	Sock
RW-2	06/29/06	3368.32	NG	ND	47.55	ND		0.10	0.00	3320.77	Sock
RW-2	07/11/06	3368.32	NG	ND	47.56	ND		0.10	0.00	3320.77	Sock
RW-2	07/25/06	3368.32	NG	ND	47.55	ND		0.10	0.00	3320.77	Sock
RW-2	08/09/06	3368.32	59.00	ND	47.78	ND	NA	NA	NA	3320.54	Sock
RW-2	08/22/06	3368.32	NG	ND	47.81	ND		0.00	10.00	3320.51	New Sock
RW-2	08/22/06	3368.32	NG	ND	47.90	ND	NA	NA	NA	3320.42	
RW-2	09/12/06	3368.32	58.80	ND	47.79	ND		NA	NA	3320.53	New Sock
RW-2	09/19/06	3368.32	NG	ND	47.62	ND		0.10	0.00	3320.70	
RW-2	10/03/06	3368.32	NG	ND	47.56	ND	Hand Bailed	0.10	9.90	3320.76	
RW-2	10/03/06	3368.32	NG	ND	48.60	ND		NA	NA	3319.72	Sock
RW-2	10/17/06	3368.32	NG	ND	47.45	ND	Hand Bailed	0.10	4.90	3320.87	
RW-2	10/17/06	3368.32	NG	ND	48.18	ND		NA	NA	3320.14	Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	10/31/06	3368.32	NG	ND	47.53	ND	Hand Bailed	0.10	4.90	3320.79	
RW-2	10/31/06	3368.32	NG	ND	48.40	ND	NA	NA	NA	3319.92	Sock
RW-2	11/15/06	3368.32	NG	ND	47.55	ND	NA	NA	NA	3320.77	
RW-2	12/06/06	3368.32	NG	ND	47.40	ND	NA	NA	NA	3320.92	Sock
RW-2	12/13/06	3368.32	NG	ND	47.44	ND	Hand Bailed	0.10	4.90	3320.88	
RW-2	12/13/06	3368.32	NG	ND	48.52	ND	NA	NA	NA	3319.80	Sock
RW-2	12/27/06	3368.32	NG	ND	47.20	ND	NA	NA	NA	3321.12	Sock
RW-2	01/03/07	3368.32	NG	ND	47.28	ND	NA	NA	NA	3321.04	Sock
RW-2	01/09/07	3368.32	NG	ND	47.43	ND	NA	NA	NA	3320.89	Sock
RW-2	01/18/07	3368.32	NG	ND	47.26	ND	Hand Bailed	0.10	9.90	3321.06	
RW-2	01/18/07	3368.32	NG	ND	48.25	ND	NA	NA	NA	3320.07	Sock
RW-2	01/25/07	3368.32	NG	ND	47.17	ND	NA	NA	NA	3321.15	Sock
RW-2	01/31/07	3368.32	NG	ND	46.98	ND	NA	NA	NA	3321.34	Sock
RW-2	02/07/07	3368.32	NG	ND	47.05	ND	NA	NA	NA	3321.27	Sock
RW-2	02/14/07	3368.32	NG	ND	47.08	ND	NA	NA	NA	3321.24	Sock
RW-2	02/21/07	3368.32	NG	ND	47.40	ND	NA	NA	NA	3320.92	Sock
RW-2	03/07/07	3368.32	NG	ND	47.15	ND	NA	NA	NA	3321.17	Sock
RW-2	03/14/07	3368.32	NG	ND	47.21	ND	NA	NA	NA	3321.11	Sock
RW-2	03/21/07	3368.32	NG	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	03/28/07	3368.32	NG	ND	47.13	ND	NA	NA	NA	3321.19	Sock
RW-2	04/04/07	3368.32	NG	ND	47.35	ND	NA	NA	NA	3320.97	Sock
RW-2	04/10/07	3368.32	NG	ND	47.32	ND	NA	NA	NA	3321.00	Sock
RW-2	04/18/07	3368.32	NG	ND	47.20	ND	NA	NA	NA	3321.12	Sock
RW-2	04/24/07	3368.32	NG	ND	47.12	ND	NA	NA	NA	3321.20	Sock
RW-2	05/03/07	3368.32	NG	ND	47.14	ND	NA	NA	NA	3321.18	Sock
RW-2	05/03/07	3368.32	NG	ND	48.25	ND	NA	NA	NA	3320.07	Sock
RW-2	05/11/07	3368.32	NG	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	05/16/07	3368.32	NG	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	05/23/07	3368.32	NG	ND	46.94	ND	NA	NA	NA	3321.38	Flipped Sock
RW-2	06/06/07	3368.32	58.95	ND	46.87	ND	NA	NA	NA	3321.45	Sock
RW-2	06/13/07	3368.32	58.95	ND	46.97	ND	NA	NA	NA	3321.35	Sock
RW-2	06/19/07	3368.32	58.95	ND	46.98	ND	NA	NA	NA	3321.34	New Sock
RW-2	06/27/07	3368.32	58.95	ND	47.01	ND	NA	NA	NA	3321.31	Sock
RW-2	07/05/07	3368.32	59.00	ND	47.04	ND	NA	NA	NA	3321.28	Sock
RW-2	07/11/07	3368.32	59.00	ND	47.03	ND	NA	NA	NA	3321.29	Sock
RW-2	07/19/07	3368.32	59.00	ND	47.13	ND	NA	NA	NA	3321.19	Removed Sock
RW-2	07/24/07	3368.32	59.00	ND	47.19	ND	NA	NA	NA	3321.13	No Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	07/31/07	3368.32	59.01	ND	47.21	ND	NA	NA	NA	3321.11	Installed Sock
RW-2	08/09/07	3368.32	59.01	ND	47.30	ND	NA	NA	NA	3321.02	Sock
RW-2	08/16/07	3368.32	59.01	ND	47.29	ND	NA	NA	NA	3321.03	Sock
RW-2	08/22/07	3368.32	59.01	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	08/28/07	3368.32	59.01	ND	47.30	ND	NA	NA	NA	3321.02	Sock
RW-2	09/07/07	3368.32	59.01	ND	47.33	ND	NA	NA	NA	3320.99	Sock
RW-2	09/13/07	3368.32	59.01	ND	47.30	ND	NA	NA	NA	3321.02	Sock
RW-2	09/18/07	3368.32	59.01	ND	47.28	ND	NA	NA	NA	3321.04	Sock
RW-2	09/26/07	3368.32	59.01	ND	47.33	ND	NA	NA	NA	3320.99	Sock
RW-2	10/04/07	3368.32	59.01	ND	47.39	ND	NA	NA	NA	3320.93	Sock
RW-2	10/10/07	3368.32	59.01	ND	47.33	ND	NA	NA	NA	3320.99	Sock
RW-2	10/17/07	3368.32	59.01	ND	47.32	ND	NA	NA	NA	3321.00	Sock
RW-2	10/24/07	3368.32	59.01	ND	47.42	ND	NA	NA	NA	3320.90	Sock
RW-2	10/31/07	3368.32	59.01	ND	47.30	ND	NA	NA	NA	3321.02	Sock
RW-2	11/07/07	3368.32	59.01	ND	47.33	ND	NA	NA	NA	3320.99	Sock
RW-2	11/13/07	3368.32	59.01	ND	47.30	ND	NA	NA	NA	3321.02	Sock
RW-2	11/20/07	3368.32	59.01	ND	47.35	ND	NA	NA	NA	3320.97	Sock
RW-2	11/27/07	3368.32	59.01	ND	47.33	ND	NA	NA	NA	3320.99	Sock
RW-2	12/05/07	3368.32	59.01	ND	47.26	ND	NA	NA	NA	3321.06	Sock
RW-2	12/12/07	3368.32	59.01	ND	47.21	ND	NA	NA	NA	3321.11	Sock
RW-2	12/18/07	3368.32	59.01	ND	47.24	ND	NA	NA	NA	3321.08	Sock
RW-2	12/28/07	3368.32	59.01	ND	47.21	ND	NA	NA	NA	3321.11	Sock
RW-2	01/03/08	3368.32	59.01	ND	47.28	ND	NA	NA	NA	3321.04	Sock
RW-2	01/09/08	3368.32	59.01	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	01/17/08	3368.32	59.01	ND	47.15	ND	NA	NA	NA	3321.17	Sock
RW-2	01/23/08	3368.32	59.01	ND	47.15	ND	NA	NA	NA	3321.17	Sock
RW-2	01/30/08	3368.32	59.01	ND	47.00	ND	NA	NA	NA	3321.32	New Sock
RW-2	02/06/08	3368.32	59.01	ND	47.12	ND	NA	NA	NA	3321.20	Sock
RW-2	02/13/08	3368.32	59.01	ND	47.05	ND	NA	NA	NA	3321.27	Sock
RW-2	02/19/08	3368.32	59.01	ND	47.17	ND	NA	NA	NA	3321.15	Sock
RW-2	02/19/08	3368.32	59.01	ND	48.73	ND	Hand Bailed	0.00	10.00	3319.59	
RW-2	02/27/08	3368.32	59.01	ND	47.21	ND	NA	NA	NA	3321.11	Sock
RW-2	03/04/08	3368.32	59.01	ND	47.46	ND	NA	NA	NA	3320.86	Sock
RW-2	03/12/08	3368.32	59.01	ND	47.08	ND	NA	NA	NA	3321.24	Sock
RW-2	03/19/08	3368.32	59.01	ND	47.09	ND	NA	NA	NA	3321.23	Sock
RW-2	03/26/08	3368.32	59.01	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	04/02/08	3368.32	59.01	ND	47.17	ND	NA	NA	NA	3321.15	Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	04/09/08	3368.32	59.01	ND	47.10	ND	NA	NA	NA	3321.22	Sock
RW-2	04/16/08	3368.32	59.01	ND	47.15	ND	NA	NA	NA	3321.17	Sock
RW-2	04/24/08	3368.32	59.01	ND	47.18	ND	NA	NA	NA	3321.14	Sock
RW-2	04/30/08	3368.32	59.01	ND	47.17	ND	NA	NA	NA	3321.15	Sock
RW-2	05/07/08	3368.32	59.01	ND	47.22	ND	NA	NA	NA	3321.10	Sock
RW-2	05/14/08	3368.32	59.01	ND	47.34	ND	NA	NA	NA	3320.98	New Sock
RW-2	05/20/08	3368.32	59.01	ND	47.43	ND	NA	NA	NA	3320.89	Sock
RW-2	05/28/08	3368.32	59.01	ND	47.48	ND	NA	NA	NA	3320.84	Sock
RW-2	06/04/08	3368.32	59.01	ND	47.50	ND	NA	NA	NA	3320.82	Sock
RW-2	06/11/08	3368.32	59.01	ND	47.54	ND	NA	NA	NA	3320.78	Sock
RW-2	06/18/08	3368.32	59.01	ND	47.59	ND	NA	NA	NA	3320.73	Sock
RW-2	06/26/08	3368.32	59.01	ND	47.53	ND	NA	NA	NA	3320.79	Sock
RW-2	07/02/08	3368.32	59.01	ND	47.52	ND	NA	NA	NA	3320.80	Sock
RW-2	07/07/08	3368.32	59.01	ND	47.55	ND	NA	NA	NA	3320.77	Sock
RW-2	07/16/08	3368.32	59.01	ND	47.60	ND	NA	NA	NA	3320.72	Sock
RW-2	07/22/08	3368.32	59.01	ND	47.63	ND	NA	NA	NA	3320.69	Sock
RW-2	07/29/08	3368.32	59.01	ND	47.66	ND	NA	NA	NA	3320.66	Sock
RW-2	08/06/08	3368.32	59.01	ND	47.72	ND	NA	NA	NA	3320.60	Sock
RW-2	08/13/08	3368.32	59.01	ND	47.84	ND	NA	NA	NA	3320.48	Flipped Sock
RW-2	08/20/08	3368.32	59.01	ND	47.79	ND	NA	NA	NA	3320.53	Sock
RW-2	08/27/08	3368.32	59.01	ND	47.81	ND	NA	NA	NA	3320.51	Sock
RW-2	09/02/08	3368.32	59.01	ND	47.86	ND	NA	NA	NA	3320.46	Sock
RW-2	09/09/08	3368.32	59.01	ND	47.90	ND	NA	NA	NA	3320.42	Sock
RW-2	09/17/08	3368.32	59.01	ND	48.01	ND	NA	NA	NA	3320.31	Sock
RW-2	09/24/08	3368.32	59.01	ND	48.15	ND	NA	NA	NA	3320.17	Sock
RW-2	10/01/08	3368.32	59.01	ND	48.17	ND	NA	NA	NA	3320.15	Sock
RW-2	10/15/08	3368.32	59.01	ND	47.87	ND	NA	NA	NA	3320.45	Sock
RW-2	10/22/08	3368.32	59.01	47.89	47.96	0.07	Pumped	0.50	19.50	3320.42	
RW-2	10/22/08	3368.32	59.01	48.37	48.38	0.01	NA	NA	NA	3319.95	
RW-2	10/29/08	3368.32	59.01	47.92	48.05	0.13	Pumped	0.50	10.00	3320.38	
RW-2	10/29/08	3368.32	59.01	ND	47.68	ND	NA	NA	NA	3320.64	
RW-2	11/05/08	3368.32	59.01	47.73	47.84	0.11	Pumped	0.00	20.00	3320.57	
RW-2	11/05/08	3368.32	59.01	48.39	48.40	0.01	NA	NA	NA	3319.93	
RW-2	11/12/08	3368.32	59.01	47.96	48.22	0.26	Pumped	0.50	12.50	3320.32	
RW-2	11/12/08	3368.32	59.01	ND	48.02	ND	NA	NA	NA	3320.30	
RW-2	11/20/08	3368.32	59.01	48.01	48.51	0.50	Pumped	1.00	9.00	3320.24	New Sock
RW-2	11/20/08	3368.32	59.01	ND	48.89	ND	NA	NA	NA	3319.43	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	11/26/08	3368.32	59.01	ND	48.04	ND	Pumped	0.00	10.00	3320.28	New Sock
RW-2	11/26/08	3368.32	59.01	ND	48.09	ND	NA	NA	NA	3320.23	
RW-2	12/03/08	3368.32	59.01	48.07	48.19	0.12	Pumped	0.25	9.75	3320.23	
RW-2	12/03/08	3368.32	59.01	ND	48.22	ND	NA	NA	NA	3320.10	
RW-2	12/10/08	3368.32	59.01	ND	48.12	ND	Pumped	0.00	10.00	3320.20	
RW-2	12/10/08	3368.32	59.01	ND	48.14	ND	NA	NA	NA	3320.18	
RW-2	12/17/08	3368.32	59.01	ND	48.09	ND	Pumped	0.00	10.00	3320.23	
RW-2	12/17/08	3368.32	59.01	ND	48.82	ND	NA	NA	NA	3319.50	
RW-2	12/21/08	3368.32	59.01	48.36	48.60	0.24	Pumped	0.25	10.00	3319.92	
RW-2	12/21/08	3368.32	59.01	ND	49.15	ND	NA	NA	NA	3319.17	
RW-2	12/31/08	3368.32	59.01	47.93	48.59	0.66	Pumped	0.50	14.50	3320.29	
RW-2	12/31/08	3368.32	59.01	ND	48.43	ND	NA	NA	NA	3319.89	
RW-2	01/07/09	3368.32	58.98	47.84	48.50	0.66	Hand bail	2.00	8.00	3320.38	
RW-2	01/07/09	3368.32	58.98	48.86	48.87	0.01	NA	NA	NA	3319.46	
RW-2	01/15/09	3368.32	58.98	47.96	48.77	0.81	Pumped	0.50	9.50	3320.24	
RW-2	01/15/09	3368.32	58.98	ND	48.33	ND	NA	NA	NA	3319.99	
RW-2	01/22/09	3368.32	58.98	47.81	48.53	0.72	Pumped	0.50	14.50	3320.40	
RW-2	01/22/09	3368.32	58.98	ND	48.25	ND	NA	NA	NA	3320.07	
RW-2	01/28/09	3368.32	58.98	47.88	48.57	0.69	Pumped	2.00	13.00	3320.34	
RW-2	01/28/09	3368.32	58.98	ND	48.29	ND	NA	NA	NA	3320.03	
RW-2	02/04/09	3368.32	58.98	47.96	48.67	0.71	Hand Bailed	0.25	9.75	3320.25	
RW-2	02/04/09	3368.32	58.98	48.23	48.32	0.09	NA	NA	NA	3320.08	
RW-2	02/11/09	3368.32	58.98	47.96	48.83	0.87	Hand Bailed	0.75	19.25	3320.23	
RW-2	02/11/09	3368.32	58.98	ND	48.24	ND	NA	NA	NA	3320.08	
RW-2	02/18/09	3368.32	58.98	47.90	48.81	0.91	Pumped	0.25	19.75	3320.28	
RW-2	02/18/09	3368.32	58.98	ND	49.33	ND	NA	NA	NA	3318.99	
RW-2	02/25/09	3368.32	58.98	47.82	48.60	0.78	Pumped	0.50	22.50	3320.38	
RW-2	02/25/09	3368.32	58.98	ND	48.21	ND	NA	NA	NA	3320.11	
RW-2	03/04/09	3368.32	58.98	47.78	48.61	0.83	Pumped	1.00	14.00	3320.42	
RW-2	03/11/09	3368.32	58.98	47.90	48.81	0.91	NA	NA	NA	3320.28	
RW-2	03/11/09	3368.32	58.98	47.63	47.64	0.01	Pumped	1.00	16.00	3320.69	
RW-2	03/18/09	3368.32	58.98	47.73	48.62	0.89	NA	NA	NA	3320.46	
RW-2	03/18/09	3368.32	58.98	ND	48.09	ND	Pumped	0.25	19.75	3320.23	
RW-2	03/25/09	3368.32	58.98	47.68	48.54	0.86	NA	NA	NA	3320.51	
RW-2	03/25/09	3368.32	58.98	48.33	48.34	0.01	Pumped	3.00	19.00	3319.99	
RW-2	04/01/09	3368.32	58.98	47.58	48.20	0.62	NA	NA	NA	3320.65	
RW-2	04/08/09	3368.32	58.98	47.27	48.64	1.37	NA	NA	NA	3320.84	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	04/08/09	3368.32	58.98	ND	48.18	ND	Pumped	1.00	19.00	3320.14	
RW-2	04/15/09	3368.32	58.98	47.63	48.42	0.79	NA	NA	NA	3320.57	
RW-2	04/15/09	3368.32	58.98	ND	49.78	ND	Pumped	1.00	19.00	3318.54	
RW-2	04/22/09	3368.32	58.98	47.61	48.69	1.08	NA	NA	NA	3320.55	
RW-2	04/22/09	3368.32	58.98	ND	48.60	ND	Pumped	1.00	19.00	3319.72	
RW-2	04/29/09	3368.32	58.98	47.66	48.42	0.76	NA	NA	NA	3320.55	
RW-2	04/29/09	3368.32	58.98	ND	48.14	ND	Pumped	1.00	19.00	3320.18	
RW-2	05/06/09	3368.32	58.98	47.76	48.53	0.77	NA	NA	NA	3320.44	
RW-2	05/06/09	3368.32	58.98	ND	48.59	ND	Pumped	1.00	19.00	3319.73	
RW-2	05/14/09	3368.32	58.98	47.90	48.76	0.86	NA	NA	NA	3320.29	
RW-2	05/14/09	3368.32	58.98	ND	48.87	ND	Pumped	1.00	19.00	3319.45	
RW-2	05/20/09	3368.32	58.98	47.96	48.64	0.68	Pumped	1.00	19.00	3320.26	
RW-2	05/28/09	3368.32	58.98	47.92	48.73	0.81	NA	NA	NA	3320.28	
RW-2	05/28/09	3368.32	58.98	ND	48.79	ND	Pumped	1.00	19.00	3319.53	
RW-2	06/03/09	3368.32	58.98	47.88	49.01	1.13	NA	NA	NA	3320.27	
RW-2	06/03/09	3368.32	58.98	ND	49.43	ND	Pumped	1.00	19.00	3318.89	
RW-2	06/11/09	3368.32	58.98	47.85	48.93	1.08	NA	NA	NA	3320.31	
RW-2	06/11/09	3368.32	58.98	ND	48.90	ND	Pumped	1.00	19.00	3319.42	
RW-2	06/17/09	3368.32	58.98	47.73	49.00	1.27	NA	NA	NA	3320.40	
RW-2	06/17/09	3368.32	58.98	ND	48.98	ND	Pumped	2.00	18.00	3319.34	
RW-2	06/23/09	3368.32	58.98	47.82	48.62	0.80	NA	NA	NA	3320.38	
RW-2	06/23/09	3368.32	58.98	ND	48.88	ND	Pumped	1.00	9.00	3319.44	
RW-2	07/01/09	3368.32	58.98	47.76	48.72	0.96	NA	NA	NA	3320.42	
RW-2	07/01/09	3368.32	58.98	ND	48.72	ND	Pumped	2.00	13.00	3319.60	
RW-2	07/07/09	3368.32	58.98	47.72	48.47	0.75	NA	NA	NA	3320.49	
RW-2	07/07/09	3368.32	58.98	ND	49.50	ND	NA	NA	NA	3318.82	
RW-2	07/15/09	3368.32	58.98	47.68	48.76	1.08	Pumped	2.00	8.00	3320.48	
RW-2	07/15/09	3368.32	58.98	ND	50.20	ND	NA	NA	NA	3318.12	
RW-2	07/29/09	3368.32	58.98	47.62	48.66	1.04	Pumped	1.00	19.00	3320.54	
RW-2	07/29/09	3368.32	58.98	ND	49.10	ND	NA	NA	NA	3319.22	
RW-2	08/05/09	3368.32	58.98	47.69	48.46	0.77	Pumped	1.00	14.00	3320.51	
RW-2	08/05/09	3368.32	58.98	ND	50.36	ND	NA	NA	NA	3317.96	
RW-2	08/12/09	3368.32	58.98	47.65	48.34	0.69	Pumped	0.50	14.50	3320.57	
RW-2	08/12/09	3368.32	58.98	ND	48.71	ND	NA	NA	NA	3319.61	
RW-2	08/19/09	3368.32	58.98	47.61	48.07	0.46	Pumped	0.50	14.50	3320.64	
RW-2	08/19/09	3368.32	58.98	ND	49.78	ND	NA	NA	NA	3318.54	
RW-2	08/27/09	3368.32	58.98	47.64	48.14	0.50	Pumped	0.50	14.50	3320.61	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	08/27/09	3368.32	58.98	ND	48.91	ND	NA		NA	3319.41	
RW-2	09/02/09	3368.32	58.98	47.65	48.16	0.51	Pumped	1.00	14.00	3320.59	
RW-2	09/02/09	3368.32	58.98	ND	48.55	ND	NA		NA	3319.77	
RW-2	09/09/09	3368.32	58.98	47.64	48.13	0.49	Pumped	0.25	14.75	3320.61	
RW-2	09/09/09	3368.32	58.98	ND	48.23	ND	NA		NA	3320.09	
RW-2	09/16/09	3368.32	58.98	47.69	48.28	0.59	Pumped	0.50	14.50	3320.54	
RW-2	09/16/09	3368.32	58.98	ND	48.31	ND	NA		NA	3320.01	
RW-2	09/23/09	3368.32	58.98	47.68	48.10	0.42	Pumped	0.50	9.50	3320.58	
RW-2	09/23/09	3368.32	58.98	ND	49.44	ND	NA		NA	3318.88	
RW-2	09/23/09	3368.32	58.98	47.71	47.72	0.01	Pumped	0.00	10.00	3320.61	
RW-2	09/23/09	3368.32	58.98	ND	49.80	ND	NA		NA	3318.52	
RW-2	09/30/09	3368.32	58.98	47.61	47.90	0.29	Pumped	0.25	9.75	3320.67	
RW-2	09/30/09	3368.32	58.98	ND	48.52	ND	NA		NA	3319.80	
RW-2	09/30/09	3368.32	58.98	47.58	47.62	0.04	Pumped	0.25	9.75	3320.73	
RW-2	09/30/09	3368.32	58.98	ND	48.75	ND	NA		NA	3319.57	
RW-2	10/07/09	3368.32	58.98	47.67	48.04	0.37	Pumped	0.25	9.75	3320.59	
RW-2	10/07/09	3368.32	58.98	ND	48.72	ND	NA		NA	3319.60	
RW-2	10/07/09	3368.32	58.98	47.63	47.65	0.02	Pumped	0.10	9.90	3320.69	
RW-2	10/07/09	3368.32	58.98	ND	49.14	ND	NA		NA	3319.18	
RW-2	10/14/09	3368.32	58.98	47.65	47.95	0.30	Pumped	0.50	9.50	3320.63	
RW-2	10/14/09	3368.32	58.98	ND	48.96	ND	NA		NA	3319.36	
RW-2	10/14/09	3368.32	58.98	47.61	47.64	0.03	Pumped	0.10	9.90	3320.71	
RW-2	10/14/09	3368.32	58.98	ND	48.75	ND	NA		NA	3319.57	
RW-2	10/21/09	3368.32	58.98	47.62	47.83	0.21	Pumped	0.50	9.50	3320.67	
RW-2	10/21/09	3368.32	58.98	ND	48.62	ND	NA		NA	3319.70	
RW-2	10/28/09	3368.32	58.98	47.55	47.73	0.18	Pumped	0.25	19.75	3320.74	
RW-2	10/28/09	3368.32	58.98	ND	48.98	ND	NA		NA	3319.34	
RW-2	11/04/09	3368.32	58.98	47.80	48.21	0.41	Pumped	0.50	9.50	3320.46	
RW-2	11/04/09	3368.32	58.98	ND	48.33	ND	NA		NA	3319.99	
RW-2	11/04/09	3368.32	58.98	47.81	47.83	0.02	Pumped	0.00	10.00	3320.51	
RW-2	11/04/09	3368.32	58.98	ND	48.86	ND	NA		NA	3319.46	
RW-2	11/11/09	3368.32	58.98	47.79	48.18	0.39	Pumped	0.50	9.50	3320.47	
RW-2	11/11/09	3368.32	58.98	ND	48.92	ND	NA		NA	3319.40	
RW-2	11/11/09	3368.32	58.98	47.76	47.80	0.04	Pumped	0.10	9.90	3320.55	
RW-2	11/11/09	3368.32	58.98	ND	48.60	ND	NA		NA	3319.72	
RW-2	11/18/09	3368.32	58.98	47.65	47.85	0.20	Pumped	0.25	20.00	3320.64	
RW-2	11/18/09	3368.32	58.98	ND	48.58	ND	NA		NA	3319.74	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	11/25/09	3368.32	58.98	47.80	48.20	0.40	Pumped	0.50	9.50	3320.46	
RW-2	11/25/09	3368.32	58.98	ND	48.38	ND	NA	NA	NA	3319.94	
RW-2	12/02/09	3368.32	58.98	47.77	48.17	0.40	Pumped	0.25	19.75	3320.49	
RW-2	12/02/09	3368.32	58.98	ND	49.67	ND	NA	NA	NA	3318.65	
RW-2	12/09/09	3368.32	58.98	47.79	48.11	0.32	Pumped	0.25	19.75	3320.48	
RW-2	12/09/09	3368.32	58.98	ND	49.19	ND	NA	NA	NA	3319.13	
RW-2	12/16/09	3368.32	58.98	47.75	48.10	0.35	Pumped	0.10	9.90	3320.52	
RW-2	12/16/09	3368.32	58.98	ND	48.90	ND	NA	NA	NA	3319.42	
RW-2	12/23/09	3368.32	58.98	47.58	47.66	0.08	Pumped	0.25	14.75	3320.73	
RW-2	12/23/09	3368.32	58.98	ND	48.15	ND	NA	NA	NA	3320.17	
RW-2	12/30/09	3368.32	58.98	47.67	47.75	0.08	Pumped	0.10	14.90	3320.64	
RW-2	12/30/09	3368.32	58.98	ND	48.93	ND	NA	NA	NA	3319.39	
RW-2	01/06/10	3368.32	58.98	47.55	47.63	0.08	Pumped	0.10	14.90	3320.76	
RW-2	01/06/10	3368.32	58.98	ND	48.36	ND	NA	NA	NA	3319.96	
RW-2	01/13/10	3368.32	58.98	47.58	47.66	0.08	Pumped	0.10	19.90	3320.73	
RW-2	01/13/10	3368.32	58.98	ND	49.00	ND	Pumped	0.10	9.90	3319.32	
RW-2	01/27/10	3368.32	58.98	47.54	47.57	0.03	NA	NA	NA	3320.78	
RW-2	02/11/10	3368.32	58.98	47.46	47.56	0.10	Pumped	0.10	9.90	3320.85	
RW-2	02/11/10	3368.32	58.98	ND	48.10	ND	NA	NA	NA	3320.22	
RW-2	02/17/10	3368.32	58.98	47.53	47.54	0.01	Pumped	0.10	19.90	3320.79	
RW-2	02/17/10	3368.32	58.98	ND	48.40	ND	NA	NA	NA	3319.92	
RW-2	03/02/10	3368.32	58.98	47.48	47.49	0.01	Pumped	0.10	14.90	3320.84	
RW-2	03/02/10	3368.32	58.98	ND	48.62	ND	NA	NA	NA	3319.70	
RW-2	03/10/10	3368.32	58.98	47.38	47.44	0.06	Pumped	0.10	14.90	3320.93	
RW-2	03/10/10	3368.32	58.98	ND	48.05	ND	NA	NA	NA	3320.27	
RW-2	03/17/10	3368.32	58.98	47.53	47.55	0.02	Pumped	0.10	14.90	3320.79	
RW-2	03/17/10	3368.32	58.98	ND	48.57	ND	NA	NA	NA	3319.75	
RW-2	03/24/10	3368.32	58.98	47.44	47.46	0.02	Pumped	0.10	19.90	3320.88	
RW-2	03/24/10	3368.32	58.98	ND	48.55	ND	NA	NA	NA	3319.77	
RW-2	03/31/10	3368.32	58.98	47.39	47.44	0.05	Pumped	0.10	14.90	3320.92	
RW-2	03/31/10	3368.32	58.98	ND	47.98	ND	NA	NA	NA	3320.34	
RW-2	04/07/10	3368.32	58.98	47.50	47.52	0.02	NA	NA	NA	3320.82	
RW-2	04/14/10	3368.32	58.98	47.43	47.52	0.09	Pumped	0.10	9.90	3320.88	
RW-2	04/21/10	3368.32	58.98	47.33	47.41	0.08	Pumped	0.25	24.75	3320.98	
RW-2	04/21/10	3368.32	58.98	ND	48.55	ND	NA	NA	NA	3319.77	
RW-2	04/28/10	3368.32	58.98	47.42	47.45	0.03	Pumped	0.10	19.90	3320.90	
RW-2	04/28/10	3368.32	58.98	ND	48.05	ND	NA	NA	NA	3320.27	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	05/05/10	3368.32	58.98	47.45	47.46	0.01	NA	NA	NA	3320.87	
RW-2	05/11/10	3368.32	58.98	47.40	47.46	0.06	Pumped	0.10	23.90	3320.91	
RW-2	05/11/10	3368.32	58.98	ND	48.72	ND	NA	NA	NA	3319.60	
RW-2	05/19/10	3368.32	58.98	47.45	47.55	0.10	Pumped	0.25	9.75	3320.86	
RW-2	05/19/10	3368.32	58.98	ND	48.33	ND	NA	NA	NA	3319.99	
RW-2	05/29/10	3368.32	58.98	47.48	47.58	0.10	Pumped	0.25	14.75	3320.83	
RW-2	05/29/10	3368.32	58.98	ND	48.15	ND	NA	NA	NA	3320.17	
RW-2	06/02/10	3368.32	58.98	47.45	47.48	0.03	NA	NA	NA	3320.87	
RW-2	06/12/10	3368.32	58.98	47.53	47.65	0.12	Pumped	<0.25	10.00	3320.77	
RW-2	06/12/10	3368.32	58.98	ND	48.48	ND	NA	NA	NA	3319.84	
RW-2	06/15/10	3368.32	58.98	47.48	47.52	0.04	Pumped	<0.25	10.00	3320.83	
RW-2	06/15/10	3368.32	58.98	ND	48.80	ND	NA	NA	NA	3319.52	
RW-2	06/25/10	3368.32	58.98	47.54	47.62	0.08	NA	NA	NA	3320.77	
RW-2	06/30/10	3368.32	58.98	47.56	47.68	0.12	NA	0.00	20.00	3320.74	
RW-2	07/07/10	3368.32	58.98	47.52	47.78	0.26	Pumped	0.25	9.75	3320.76	
RW-2	07/07/10	3368.32	58.98	ND	48.41	ND	NA	NA	NA	3319.91	
RW-2	07/14/10	3368.32	58.98	47.53	47.57	0.04	Pumped	0.10	14.90	3320.78	
RW-2	07/14/10	3368.32	58.98	ND	48.79	ND	NA	NA	NA	3319.53	
RW-2	07/21/10	3368.32	58.98	47.56	47.62	0.06	<0.25	0.10	19.90	3320.75	
RW-2	07/21/10	3368.32	58.98	ND	48.64	ND	NA	NA	NA	3319.68	
RW-2	07/28/10	3368.32	58.98	47.55	47.62	0.07	Pumped	<0.25	15.00	3320.76	
RW-2	07/28/10	3368.32	58.98	ND	48.36	ND	NA	NA	NA	3319.96	
RW-2	08/03/10	3368.32	58.98	47.55	47.56	0.01	Pumped	0.10	9.90	3320.77	
RW-2	08/03/10	3368.32	58.98	ND	48.20	ND	NA	NA	NA	3320.12	
RW-2	08/11/10	3368.32	58.98	47.42	47.48	0.06	Pumped	0.10	14.90	3320.89	
RW-2	08/11/10	3368.32	58.98	ND	48.63	ND	NA	NA	NA	3319.69	
RW-2	08/18/10	3368.32	58.98	47.55	47.61	0.06	Pumped	0.10	14.90	3320.76	
RW-2	08/18/10	3368.32	58.98	ND	49.07	ND	NA	NA	NA	3319.25	
RW-2	08/25/10	3368.32	58.98	47.63	47.69	0.06	Pumped	0.10	19.90	3320.68	
RW-2	08/25/10	3368.32	58.98	ND	48.34	ND	NA	NA	NA	3319.98	
RW-2	09/01/10	3368.32	58.98	47.44	47.49	0.05	Pumped	0.10	19.90	3320.87	
RW-2	09/01/10	3368.32	58.98	ND	48.35	ND	NA	NA	NA	3319.97	
RW-2	09/08/10	3368.32	58.98	47.47	47.51	0.04	Pumped	0.10	14.90	3320.84	
RW-2	09/08/10	3368.32	58.98	ND	49.05	ND	NA	NA	NA	3319.27	
RW-2	09/15/10	3368.32	58.98	47.46	47.55	0.09	Pumped	0.10	9.90	3320.85	
RW-2	09/15/10	3368.32	58.98	ND	48.96	ND	NA	NA	NA	3319.36	
RW-2	09/21/10	3368.32	58.98	47.40	47.43	0.03	Pumped	0.10	19.90	3320.92	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	09/21/10	3368.32	58.98	ND	48.44	ND	NA	NA	NA	3319.88	
RW-2	10/01/10	3368.32	58.98	47.47	47.51	0.04	Pumped	0.10	14.90	3320.84	
RW-2	10/01/10	3368.32	58.98	ND	48.80	ND	NA	NA	NA	3319.52	
RW-2	10/06/10	3368.32	58.98	47.44	47.45	0.01	Pumped	0.10	19.90	3320.88	
RW-2	10/06/10	3368.32	58.98	ND	49.22	ND	NA	NA	NA	3319.10	
RW-2	10/13/10	3368.32	58.98	47.51	47.53	0.02	Pumped	0.10	14.90	3320.81	
RW-2	10/13/10	3368.32	58.98	ND	49.05	ND	NA	NA	NA	3319.27	
RW-2	10/22/10	3368.32	58.98	47.31	47.34	0.03	Pumped	0.10	19.90	3321.01	
RW-2	10/22/10	3368.32	58.98	ND	48.55	ND	NA	NA	NA	3319.77	
RW-2	10/27/10	3368.32	58.98	47.33	47.35	0.02	Pumped	0.10	14.90	3320.99	
RW-2	10/27/10	3368.32	58.98	ND	47.37	ND	NA	NA	NA	3320.95	
RW-2	11/03/10	3368.32	58.98	47.28	47.40	0.12	Pumped	0.10	14.90	3321.02	
RW-2	11/03/10	3368.32	58.98	ND	48.98	ND	NA	NA	NA	3319.34	
RW-2	11/10/10	3368.32	58.98	47.13	47.15	0.02	Pumped	0.10	14.90	3321.19	
RW-2	11/10/10	3368.32	58.98	ND	48.33	ND	NA	NA	NA	3319.99	
RW-2	11/16/10	3368.32	58.98	47.23	47.25	0.02	NA	NA	NA	3351.09	
RW-2	11/24/10	3368.32	58.98	47.17	47.19	0.02	Pumped	0.10	14.90	3351.15	
RW-2	11/24/10	3368.32	58.98	ND	48.15	ND	NA	NA	NA	3350.17	
RW-2	12/01/10	3368.32	58.98	47.12	47.13	0.01	Pumped	0.10	14.90	3351.20	
RW-2	12/01/10	3368.32	58.98	ND	47.84	ND	NA	NA	NA	3350.48	
RW-2	12/08/10	3368.32	58.98	47.19	47.20	0.01	Pumped	0.10	9.90	3351.13	
RW-2	12/08/10	3368.32	58.98	ND	48.65	ND	NA	NA	NA	3349.67	
RW-2	12/15/10	3368.32	58.98	46.98	46.99	0.01	Pumped	0.10	14.90	3351.34	
RW-2	12/15/10	3368.32	58.98	ND	48.18	ND	NA	NA	NA	3350.14	
RW-2	12/21/10	3368.32	58.98	47.11	47.12	0.01	Pumped	0.10	9.90	3351.21	
RW-2	12/21/10	3368.32	58.98	ND	48.81	ND	NA	NA	NA	3349.51	
RW-2	01/08/11	3368.32	58.98	47.01	47.02	0.01	NA	NA	NA	3351.31	
RW-2	01/12/11	3368.32	58.98	47.09	47.10	0.01	NA	NA	NA	3351.23	
RW-2	01/19/11	3368.32	58.98	46.97	46.99	0.02	Pumped	0.20	14.80	3351.35	
RW-2	01/19/11	3368.32	58.98	ND	47.83	ND	NA	NA	NA	3350.49	
RW-2	01/25/11	3368.32	58.98	47.08	47.09	0.01	Pumped	0.10	9.90	3351.24	
RW-2	01/25/11	3368.32	58.98	ND	48.59	ND	NA	NA	NA	3349.73	
RW-2	02/04/11	3368.32	58.98	46.96	46.97	0.01	NA	NA	NA	3351.36	
RW-2	02/08/11	3368.32	58.98	46.89	46.90	0.01	Pumped	0.10	9.90	3351.43	
RW-2	02/08/11	3368.32	58.98	ND	48.32	ND	NA	NA	NA	3350.00	
RW-2	02/16/11	3368.32	58.98	46.92	46.93	0.01	Pumped	0.10	19.90	3351.40	
RW-2	02/16/11	3368.32	58.98	ND	47.25	ND	NA	NA	NA	3351.07	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	02/23/11	3398.32	58.98	46.91	46.92	0.01	NA	NA	NA	3351.41	
RW-2	03/02/11	3398.32	58.98	ND	46.95	ND	NA	NA	NA	3351.37	
RW-2	03/08/11	3398.32	58.98	46.93	46.94	0.01	Hand Bailed	0.10	4.90	3351.39	
RW-2	03/08/11	3398.32	58.98	ND	48.25	ND	NA	NA	NA	3350.07	
RW-2	03/16/11	3398.32	58.98	ND	46.93	ND	Hand Bailed	0.10	4.90	3351.39	
RW-2	03/16/11	3398.32	58.98	ND	47.63	ND	NA	NA	NA	3350.69	
RW-2	03/23/11	3398.32	58.98	46.95	46.96	0.01	Hand Bailed	0.10	4.90	3351.37	
RW-2	03/23/11	3398.32	58.98	ND	47.56	ND	NA	NA	NA	3350.76	
RW-2	03/30/11	3398.32	58.98	46.87	46.88	0.01	Pumped	NA	10.00	3351.45	
RW-2	03/30/11	3398.32	58.98	ND	47.35	ND	NA	NA	NA	3350.97	
RW-2	04/08/11	3398.32	58.98	46.86	46.87	0.01	Hand Bailed	0.10	4.90	3351.46	
RW-2	04/08/11	3398.32	58.98	ND	47.91	ND	NA	NA	NA	3350.41	
RW-2	04/13/11	3398.32	58.98	46.76	46.77	0.01	Hand Bailed	0.10	4.90	3351.56	
RW-2	04/13/11	3398.32	58.98	ND	47.01	ND	NA	NA	NA	3351.31	
RW-2	04/20/11	3398.32	58.98	ND	46.95	ND	NA	NA	NA	3351.37	
RW-2	04/27/11	3398.32	58.98	46.98	46.99	0.01	Pumped	0.10	9.90	3351.34	
RW-2	04/27/11	3398.32	58.98	ND	48.46	ND	NA	NA	NA	3349.86	
RW-2	05/04/11	3398.32	58.98	Sheen	46.89	Sheen	Pumped	0.10	9.90	3351.43	
RW-2	05/04/11	3398.32	58.98	ND	48.46	ND	NA	NA	NA	3349.86	
RW-2	05/11/11	3398.32	58.98	Sheen	46.94	Sheen	Pumped	0.10	9.90	3351.38	
RW-2	05/11/11	3398.32	58.98	ND	48.48	ND	NA	NA	NA	3349.84	
RW-2	05/19/11	3398.32	58.98	Heavy Sheen	46.88	Heavy Sheen		0.10	9.90	3351.44	
RW-2	05/19/11	3398.32	58.98	ND	47.50	ND	NA	NA	NA	3350.82	
RW-2	05/24/11	3398.32	58.98	46.89	46.90	0.01	NA	0.10	9.90	3351.43	
RW-2	05/24/11	3398.32	58.98	ND	47.53	ND	NA	NA	NA	3350.79	
RW-2	06/02/11	3398.32	58.98	Sheen	47.08	Sheen	NA	NA	NA	3351.24	Sampled
RW-2	06/08/11	3398.32	58.98	Heavy Sheen	47.10	Heavy Sheen		0.10	9.90	3351.22	
RW-2	06/08/11	3398.32	58.98	ND	48.19	ND	NA	NA	NA	3350.13	
RW-2	06/17/11	3398.32	58.98	47.12	47.14	0.02	NA	0.10	9.90	3351.20	
RW-2	06/17/11	3398.32	58.98	ND	48.23	ND	NA	NA	NA	3350.09	
RW-2	06/21/11	3398.32	58.98	Light Sheen	47.01	Light Sheen	NA	NA	NA	3351.31	
RW-2	06/29/11	3398.32	58.98	Sheen	47.18	Sheen		0.10	4.90	3351.14	
RW-2	06/29/11	3398.32	58.98	ND	48.11	ND	NA	NA	NA	3350.21	
RW-2	07/06/11	3398.32	58.98	Light Sheen	47.22	Light Sheen		0.10	9.90	3351.10	
RW-2	07/13/11	3398.32	58.98	Sheen	47.20	Sheen	NA	NA	NA	3351.12	
RW-2	07/21/11	3398.32	58.98	Sheen	47.22	Sheen	NA	NA	NA	3351.10	
RW-2	07/27/11	3398.32	58.98	ND	47.25	ND	NA	NA	NA	3351.07	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	08/03/11	3398.32	58.98	ND	47.30	ND	NA	NA	NA	3351.02	
RW-2	08/11/11	3398.32	58.98	Light Sheen	47.31	Light Sheen	NA	NA	NA	3351.01	
RW-2	08/17/11	3398.32	58.98	Sheen	47.30	Sheen	NA	NA	NA	3351.02	
RW-2	08/24/11	3398.32	58.98	Sheen	47.38	Sheen	NA	NA	NA	3350.94	
RW-2	08/30/11	3398.32	58.98	Sheen	47.32	Sheen	NA	NA	NA	3351.00	
RW-2	09/07/11	3398.32	58.98	Sheen	47.44	Sheen	NA	NA	NA	3350.88	
RW-2	09/14/11	3398.32	58.98	Sheen	47.42	Sheen	NA	NA	NA	3350.90	
RW-2	09/21/11	3398.32	58.98	Light Sheen	47.45	Light Sheen	NA	NA	NA	3350.87	
RW-2	09/28/11	3398.32	58.98	Light Sheen	47.41	Light Sheen	NA	NA	NA	3350.91	
RW-2	10/05/11	3398.32	58.98	Light Sheen	47.38	Light Sheen	NA	NA	NA	3350.94	
RW-2	10/12/11	3398.32	58.98	ND	47.42	ND	NA	NA	NA	3350.90	
RW-2	10/18/11	3398.32	58.98	ND	47.55	ND	NA	NA	NA	3350.77	
RW-2	10/28/11	3398.32	58.98	ND	47.55	ND	NA	NA	NA	3350.77	
RW-2	11/02/11	3398.32	58.98	ND	47.44	ND	NA	NA	NA	3350.88	
RW-2	11/09/11	3398.32	58.98	47.60	47.61	0.01	Hand Bailed	0.10	4.90	3350.72	
RW-2	11/09/11	3398.32	58.98	ND	48.09	ND	NA	NA	NA	3350.23	
RW-2	11/18/11	3398.32	58.98	47.40	47.41	0.01	NA	NA	NA	3350.92	
RW-2	11/23/11	3398.32	58.98	47.53	47.54	0.01	NA	NA	NA	3350.79	
RW-2	11/29/11	3398.32	58.98	47.52	47.53	0.01	NA	NA	NA	3350.80	
RW-2	12/13/11	3398.32	58.98	47.40	47.41	0.01	NA	NA	NA	3350.92	
RW-2	12/20/11	3398.32	58.98	47.45	47.46	0.01	NA	NA	NA	3350.87	
RW-2	12/27/11	3398.32	58.98	47.47	47.48	0.01	NA	NA	NA	3350.85	
RW-2	01/04/12	3362.64	58.98	ND	51.49	ND	NA	NA	NA	3311.15	
RW-2	01/04/12	3398.32	58.98	ND	47.19	ND	NA	NA	NA	3351.13	
RW-2	01/04/12	3398.32	58.98	47.48	47.49	0.01	NA	NA	NA	3350.84	
RW-2	01/13/12	3398.32	58.98	47.44	47.45	0.01	Hand Bailed	0.10	4.90	3350.88	
RW-2	01/13/12	3398.32	58.98	ND	47.96	ND	NA	NA	NA	3350.36	
RW-2	01/18/12	3398.32	58.98	47.42	47.43	0.01	NA	NA	NA	3350.90	
RW-2	01/27/12	3398.32	58.98	47.31	47.32	0.01	NA	NA	NA	3351.01	
RW-2	02/02/12	3398.32	58.98	47.28	47.29	0.01	NA	0.10	4.90	3351.04	
RW-2	02/02/12	3398.32	58.98	ND	47.61	ND	NA	NA	NA	3350.71	
RW-2	02/08/12	3398.32	58.98	ND	47.45	ND	NA	NA	NA	3350.87	
RW-2	02/15/12	3398.32	58.98	47.34	47.35	0.01	NA	NA	NA	3350.98	
RW-2	02/23/12	3398.32	58.98	47.21	47.22	0.01	NA	NA	NA	3351.11	
RW-2	02/29/12	3398.32	58.98	47.34	47.35	0.01	NA	NA	NA	3350.98	
RW-2	03/06/12	3398.32	58.98	47.28	47.30	0.02	NA	NA	NA	3351.04	
RW-2	03/14/12	3398.32	58.98	47.35	47.36	0.01	NA	NA	NA	3350.97	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	03/21/12	3398.32	58.98	47.20	47.21	0.01	NA	NA	NA	3351.12	
RW-2	03/29/12	3398.32	58.98	47.29	47.30	0.01	NA	NA	NA	3351.03	
RW-2	04/03/12	3398.32	58.98	47.35	47.36	0.01	NA	NA	NA	3350.97	
RW-2	04/11/12	3398.32	58.98	47.28	47.29	0.01	NA	NA	NA	3351.04	
RW-2	04/20/12	3398.32	58.98	47.40	47.41	0.01	NA	NA	NA	3350.92	
RW-2	04/26/12	3398.32	58.98	47.30	47.31	0.01	NA	NA	NA	3351.02	
RW-2	05/02/12	3398.32	58.98	47.32	47.34	0.02	NA	NA	NA	3351.00	
RW-2	05/09/12	3398.32	58.98	47.49	47.50	0.01	NA	NA	NA	3350.83	
RW-2	05/16/12	3398.32	58.98	47.51	47.52	0.01	NA	NA	NA	3350.81	
RW-2	05/23/12	3398.32	58.98	47.61	47.70	0.09	NA	NA	NA	3350.70	
RW-2	05/29/12	3398.32	58.98	48.35	48.36	0.01	NA	0.10	9.90	3349.97	
RW-2	05/29/12	3398.32	58.98	ND	49.21	ND	NA	NA	NA	3349.11	
RW-2	06/06/12	3398.32	58.98	48.30	48.34	0.04	NA	NA	NA	3350.01	
RW-2	06/13/12	3398.32	58.98	48.23	48.27	0.04	NA	NA	NA	3350.08	
RW-2	06/19/12	3398.32	58.98	34.08	48.33	14.25	NA	NA	NA	3362.10	
RW-2	06/27/12	3398.32	58.98	48.51	48.55	0.04	NA	NA	NA	3349.80	
RW-2	07/05/12	3398.32	58.98	48.73	48.81	0.08	NA	NA	NA	3349.58	
RW-2	07/11/12	3398.32	58.98	48.80	48.90	0.10	NA	NA	NA	3349.51	
RW-2	07/18/12	3398.32	58.98	48.96	49.06	0.10	NA	NA	NA	3349.35	
RW-2	07/25/12	3398.32	58.98	49.02	49.15	0.13	NA	0.10	10.00	3349.28	
RW-2	07/25/12	3398.32	58.98	ND	51.23	ND	NA	NA	NA	3347.09	
RW-2	07/31/12	3398.32	58.98	49.16	49.30	0.14	NA	NA	NA	3349.14	
RW-2	08/08/12	3398.32	58.98	49.22	49.33	0.11	NA	NA	NA	3349.08	
RW-2	08/13/12	3398.32	58.98	49.20	49.33	0.13	NA	0.10	10.00	3349.10	
RW-2	08/13/12	3398.32	58.98	ND	50.35	ND	NA	NA	NA	3347.97	
RW-2	08/20/12	3398.32	58.98	49.20	49.27	0.07	NA	NA	NA	3349.11	
RW-2	09/05/12	3398.32	58.98	49.32	49.42	0.10	NA	NA	NA	3348.99	
RW-2	09/12/12	3398.32	58.98	ND	49.19	ND	NA	NA	NA	3349.13	
RW-2	09/19/12	3398.32	58.98	49.12	49.21	0.09	NA	NA	NA	3349.19	
RW-2	09/25/12	3398.32	58.98	49.03	49.09	0.06	NA	NA	NA	3349.28	
RW-2	10/02/12	3398.32	58.98	49.10	49.18	0.08	NA	NA	NA	3349.21	
RW-2	10/10/12	3398.32	58.98	49.11	49.15	0.04	NA	NA	NA	3349.20	
RW-2	10/16/12	3398.32	58.98	48.92	49.00	0.08	NA	NA	NA	3349.39	
RW-2	10/24/12	3398.32	58.98	48.96	49.09	0.13	NA	NA	NA	3349.34	
RW-2	10/30/12	3398.32	58.98	49.00	49.14	0.14	NA	NA	NA	3349.30	
RW-2	11/06/12	3398.32	58.98	49.06	49.21	0.15	NA	NA	NA	3349.24	
RW-2	11/13/12	3398.32	58.98	49.12	49.29	0.17	NA	NA	NA	3349.17	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Vacuum to Jal 14" Mainline #3
 NMOCD NO.: 1R-455
 SRS #2003-00117
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-2	11/19/12	3398.32	58.98	49.09	49.30	0.21	NA	NA	NA	3349.20	
RW-2	12/05/12	3398.32	58.98	48.15	48.28	0.13	NA	NA	NA	3350.15	
RW-2	12/11/12	3398.32	58.98	49.19	49.24	0.05	NA	NA	NA	3349.12	
RW-3	12/21/05	3369.05	60.30	ND	47.38	ND	NA	NA	NA	3321.67	Installed Sock
RW-3	12/29/05	3369.05	NG	ND	47.16	ND	NA	NA	NA	3321.89	Sock
RW-3	01/05/06	3369.05	NG	ND	47.43	ND	NA	NA	NA	3321.62	Sock
RW-3	02/09/06	3369.05	NG	ND	47.16	ND	NA	NA	NA	3321.89	Sock
RW-3	02/22/06	3369.05	NG	ND	47.15	ND	NA	NA	NA	3321.90	Sock
RW-3	03/28/06	3369.05	NG	ND	47.41	ND		0.20	0.00	3321.64	Sock
RW-3	04/13/06	3369.05	NG	ND	47.44	ND		0.10	0.00	3321.61	Sock
RW-3	04/25/06	3369.05	NG	ND	47.62	ND		0.10	0.00	3321.43	Sock
RW-3	05/11/06	3369.05	NG	ND	47.61	ND		0.10	0.00	3321.44	Sock
RW-3	05/24/06	3369.05	NG	ND	47.64	ND		0.10	0.00	3321.41	Sock
RW-3	06/07/06	3369.05	NG	ND	47.75	ND		0.10	4.90	3321.30	Sock
RW-3	06/07/06	3369.05	NG	ND	47.90	ND		0.10	0.00	3321.15	Sock
RW-3	06/15/06	3369.05	NG	ND	47.69	ND		0.10	0.00	3321.36	Sock
RW-3	06/29/06	3369.05	NG	ND	47.97	ND		0.10	0.00	3321.08	Sock
RW-3	07/11/06	3369.05	NG	ND	47.98	ND		0.10	0.00	3321.07	Sock
RW-3	07/25/06	3369.05	NG	ND	48.04	ND		0.10	0.00	3321.01	Sock
RW-3	08/09/06	3369.05	59.63	ND	48.21	ND	NA	NA	NA	3320.84	Sock
RW-3	08/22/06	3369.05	NG	ND	48.30	ND	Hand Bailed	0.10	9.90	3320.75	
RW-3	08/22/06	3369.05	NG	ND	48.27	ND	NA	NA	NA	3320.78	New Sock
RW-3	09/12/06	3369.05	59.61	ND	48.12	ND	NA	NA	NA	3320.93	Sock
RW-3	09/19/06	3369.05	NG	ND	48.16	ND	Hand Bailed	0.10	9.90	3320.89	
RW-3	09/19/06	3369.05	NG	ND	48.60	ND	NA	NA	NA	3320.45	Sock
RW-3	10/03/06	3369.05	NG	ND	48.14	ND	Hand Bailed	0.10	9.90	3320.91	
RW-3	10/03/06	3369.05	NG	ND	48.75	ND	NA	NA	NA	3320.30	Sock
RW-3	10/17/06	3369.05	NG	ND	48.02	ND	Hand Bailed	0.10	4.90	3321.03	
RW-3	10/17/06	3369.05	NG	ND	48.91	ND	NA	NA	NA	3320.14	Sock
RW-3	10/31/06	3369.05	NG	ND	48.12	ND	Hand Bailed	0.10	4.90	3320.93	
RW-3	10/31/06	3369.05	NG	ND	48.42	ND	NA	NA	NA	3320.63	Sock
RW-3	11/15/06	3369.05	NG	ND	48.12	ND	NA	NA	NA	3320.93	
RW-3	12/06/06	3369.05	NG	ND	48.07	ND	NA	NA	NA	3320.98	New Sock
RW-3	12/13/06	3369.05	NG	ND	48.11	ND	Hand Bailed	0.10	4.90	3320.94	
RW-3	12/13/06	3369.05	NG	ND	48.19	ND	NA	NA	NA	3320.86	Sock
RW-3	12/27/06	3369.05	NG	ND	48.00	ND	NA	NA	NA	3321.05	Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	01/03/07	3369.05	NG	ND	47.90	ND	NA	NA	NA	3321.15	Sock
RW-3	01/09/07	3369.05	NG	ND	47.95	ND	NA	NA	NA	3321.10	Sock
RW-3	01/18/07	3369.05	NG	ND	47.89	ND	NA	NA	NA	3321.16	Sock
RW-3	01/25/07	3369.05	NG	ND	47.68	ND	NA	NA	NA	3321.37	Removed Sock
RW-3	01/31/07	3369.05	NG	47.47	47.50	0.03	NA	NA	NA	3321.58	Installed Sock
RW-3	02/07/07	3369.05	NG	ND	47.62	ND	NA	NA	NA	3321.43	Sock
RW-3	02/14/07	3369.05	NG	ND	47.67	ND	NA	NA	NA	3321.38	Sock
RW-3	02/21/07	3369.05	NG	ND	47.86	ND	NA	NA	NA	3321.19	Sock
RW-3	03/07/07	3369.05	NG	47.63	47.65	0.02	Hand Bailed	0.10	9.90	3321.42	
RW-3	03/07/07	3369.05	NG	ND	48.55	ND	NA	NA	NA	3320.50	Sock
RW-3	03/14/07	3369.05	NG	ND	47.84	ND	NA	NA	NA	3321.21	New Sock
RW-3	03/21/07	3369.05	NG	ND	47.80	ND	NA	NA	NA	3321.25	Sock
RW-3	03/28/07	3369.05	NG	ND	47.60	ND	NA	NA	NA	3321.45	New Sock
RW-3	04/04/07	3369.05	NG	ND	47.90	ND	NA	NA	NA	3321.15	Sock
RW-3	04/10/07	3369.05	NG	ND	47.75	ND	NA	NA	NA	3321.30	New Sock
RW-3	04/18/07	3369.05	NG	ND	47.70	ND	NA	NA	NA	3321.35	NA
RW-3	04/24/07	3369.05	NG	ND	47.70	ND	NA	NA	NA	3321.35	Sock
RW-3	05/03/07	3369.05	NG	ND	47.80	ND	NA	NA	NA	3321.25	Sock
RW-3	05/03/07	3369.05	NG	ND	48.05	ND	NA	NA	NA	3321.00	New Sock
RW-3	05/11/07	3369.05	NG	ND	47.55	ND	NA	NA	NA	3321.50	Sock
RW-3	05/16/07	3369.05	NG	47.54	47.56	0.02	Hand Bailed	0.10	9.90	3321.51	
RW-3	05/16/07	3369.05	NG	ND	48.45	ND	NA	NA	NA	3320.60	Sock
RW-3	05/23/07	3369.05	NG	ND	47.38	ND	NA	0.10	9.90	3321.67	Flipped Sock
RW-3	05/23/07	3369.05	NG	ND	47.75	ND	NA	NA	NA	3321.30	NA
RW-3	06/06/07	3369.05	59.51	ND	47.41	ND	NA	NA	NA	3321.64	Sock
RW-3	06/13/07	3369.05	59.51	ND	47.53	ND	NA	NA	NA	3321.52	New Sock
RW-3	06/19/07	3369.05	59.51	ND	47.47	ND	NA	NA	NA	3321.58	NA
RW-3	06/19/07	3369.05	59.51	ND	48.16	ND	NA	NA	NA	3320.89	Sock
RW-3	06/27/07	3369.05	59.51	ND	47.56	ND	NA	NA	NA	3321.49	Sock
RW-3	07/05/07	3369.05	59.66	ND	48.35	ND	NA	NA	NA	3320.70	New Sock
RW-3	07/11/07	3369.05	59.66	ND	47.58	ND	NA	NA	NA	3321.47	Sock
RW-3	07/19/07	3369.05	59.66	ND	47.72	ND	NA	NA	NA	3321.33	Sock
RW-3	07/19/07	3369.05	59.66	ND	48.53	ND	NA	NA	NA	3320.52	Sock
RW-3	07/24/07	3369.05	59.66	ND	47.78	ND	NA	NA	NA	3321.27	Sock
RW-3	07/31/07	3369.05	59.65	ND	47.80	ND	NA	NA	NA	3321.25	New Sock
RW-3	08/09/07	3369.05	59.65	ND	47.88	ND	NA	NA	NA	3321.17	Sock
RW-3	08/16/07	3369.05	59.65	ND	47.89	ND	NA	NA	NA	3321.16	Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	08/22/07	3369.05	59.65	ND	47.76	ND	NA	NA	NA	3321.29	Sock
RW-3	08/28/07	3369.05	59.65	ND	47.93	ND	NA	NA	NA	3321.12	Sock
RW-3	09/07/07	3369.05	59.65	ND	47.97	ND	NA	NA	NA	3321.08	Sock
RW-3	09/13/07	3369.05	59.65	ND	47.98	ND	NA	NA	NA	3321.07	Sock
RW-3	09/18/07	3369.05	59.65	ND	47.95	ND	NA	NA	NA	3321.10	Sock
RW-3	09/26/07	3369.05	59.65	ND	47.99	ND	NA	NA	NA	3321.06	Sock
RW-3	10/04/07	3369.05	59.65	ND	47.80	ND	NA	NA	NA	3321.25	Sock
RW-3	10/10/07	3369.05	59.65	ND	47.85	ND	NA	NA	NA	3321.20	Sock
RW-3	10/17/07	3369.05	59.65	ND	47.88	ND	NA	NA	NA	3321.17	Sock
RW-3	10/24/07	3369.05	59.65	ND	48.02	ND	NA	NA	NA	3321.03	Sock
RW-3	10/31/07	3369.05	59.65	ND	47.90	ND	NA	NA	NA	3321.15	Sock
RW-3	11/07/07	3369.05	59.65	ND	47.92	ND	NA	NA	NA	3321.13	Sock
RW-3	11/13/07	3369.05	59.65	ND	47.90	ND	NA	NA	NA	3321.15	Flipped Sock
RW-3	11/20/07	3369.05	59.65	ND	47.95	ND	NA	NA	NA	3321.10	Sock
RW-3	11/27/07	3369.05	59.65	ND	47.92	ND	NA	NA	NA	3321.13	Sock
RW-3	12/05/07	3369.05	59.65	ND	47.75	ND	NA	NA	NA	3321.30	Sock
RW-3	12/12/07	3369.05	59.65	ND	47.73	ND	NA	NA	NA	3321.32	Sock
RW-3	12/18/07	3369.05	59.65	ND	47.55	ND	NA	NA	NA	3321.50	Sock
RW-3	12/28/07	3369.05	59.65	ND	47.51	ND	NA	NA	NA	3321.54	Sock
RW-3	01/03/08	3369.05	59.65	ND	47.56	ND	NA	NA	NA	3321.49	Sock
RW-3	01/09/08	3369.05	59.65	ND	47.58	ND	NA	NA	NA	3321.47	New Sock
RW-3	01/17/08	3369.05	59.65	47.58	47.60	0.02	NA	NA	NA	3321.47	New Sock
RW-3	01/23/08	3369.05	59.65	ND	47.61	ND	NA	NA	NA	3321.44	Sock
RW-3	01/30/08	3369.05	59.65	ND	47.55	ND	NA	NA	NA	3321.50	Sock
RW-3	02/06/08	3369.05	59.65	ND	47.74	ND	NA	NA	NA	3321.31	Sock
RW-3	02/13/08	3369.05	59.65	ND	47.55	ND	NA	NA	NA	3321.50	Sock
RW-3	02/19/08	3369.05	59.65	ND	47.63	ND	Hand Bailed	0.00	10.00	3321.42	
RW-3	02/19/08	3369.05	59.65	ND	48.13	ND	NA	NA	NA	3320.92	New Sock
RW-3	02/27/08	3369.05	59.65	ND	47.65	ND	NA	NA	NA	3321.40	New Sock
RW-3	03/04/08	3369.05	59.65	ND	47.56	ND	NA	NA	NA	3321.49	Sock
RW-3	03/12/08	3369.05	59.65	ND	47.48	ND	NA	NA	NA	3321.57	Sock
RW-3	03/19/08	3369.05	59.65	ND	47.59	ND	NA	NA	NA	3321.46	Sock
RW-3	03/26/08	3369.05	59.65	ND	47.66	ND	NA	NA	NA	3321.39	Sock
RW-3	04/02/08	3369.05	59.65	ND	47.67	ND	NA	NA	NA	3321.38	Sock
RW-3	04/09/08	3369.05	59.65	ND	47.62	ND	NA	NA	NA	3321.43	Sock
RW-3	04/16/08	3369.05	59.65	ND	47.67	ND	NA	NA	NA	3321.38	Sock
RW-3	04/24/08	3369.05	59.65	47.62	47.70	0.08	NA	NA	NA	3321.42	New Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	04/30/08	3369.05	59.65	ND	47.67	ND	NA	NA	NA	3321.38	Sock
RW-3	05/07/08	3369.05	59.65	ND	47.69	ND	NA	NA	NA	3321.36	Sock
RW-3	05/14/08	3369.05	59.65	ND	47.92	ND	NA	NA	NA	3321.13	New Sock
RW-3	05/20/08	3369.05	59.65	ND	47.97	ND	NA	NA	NA	3321.08	Sock
RW-3	05/22/08	3369.05	59.62	ND	47.99	ND	NA	NA	NA	3321.06	Sock
RW-3	05/28/08	3369.05	59.62	ND	48.01	ND	NA	NA	NA	3321.04	Sock
RW-3	06/04/08	3369.05	59.62	ND	48.04	ND	NA	NA	NA	3321.01	Sock
RW-3	06/11/08	3369.05	59.62	ND	48.07	ND	NA	NA	NA	3320.98	Sock
RW-3	06/18/08	3369.05	59.62	ND	48.12	ND	NA	NA	NA	3320.93	Sock
RW-3	06/26/08	3369.05	59.62	ND	48.18	ND	NA	NA	NA	3320.87	Sock
RW-3	07/02/08	3369.05	59.62	ND	48.16	ND	NA	NA	NA	3320.89	Sock
RW-3	07/07/08	3369.05	59.62	ND	48.04	ND	NA	NA	NA	3321.01	Sock
RW-3	07/16/08	3369.05	59.62	ND	48.09	ND	NA	NA	NA	3320.96	Sock
RW-3	07/22/08	3369.05	59.62	ND	48.13	ND	NA	NA	NA	3320.92	Sock
RW-3	07/29/08	3369.05	59.62	ND	48.16	ND	NA	NA	NA	3320.89	Sock
RW-3	08/06/08	3369.05	59.62	ND	48.18	ND	NA	NA	NA	3320.87	Sock
RW-3	08/13/08	3369.05	59.62	ND	48.26	ND	NA	NA	NA	3320.79	New Sock
RW-3	08/20/08	3369.05	59.62	ND	48.23	ND	NA	NA	NA	3320.82	Sock
RW-3	08/27/08	3369.05	59.62	ND	48.25	ND	NA	NA	NA	3320.80	Sock
RW-3	09/02/08	3369.05	59.62	ND	48.29	ND	NA	NA	NA	3320.76	Sock
RW-3	09/09/08	3369.05	59.62	ND	48.34	ND	NA	NA	NA	3320.71	Sock
RW-3	09/17/08	3369.05	59.62	ND	48.62	ND	NA	NA	NA	3320.43	Sock
RW-3	09/24/08	3369.05	59.62	48.45	48.50	0.05	NA	NA	NA	3320.59	Sock
RW-3	10/01/08	3369.05	59.62	ND	48.53	ND	NA	NA	NA	3320.52	Sock
RW-3	10/08/08	3369.05	59.62	ND	48.40	ND	NA	NA	NA	3320.65	Sock
RW-3	10/15/08	3369.05	59.62	ND	48.39	ND	NA	NA	NA	3320.66	Sock
RW-3	10/22/08	3369.05	59.62	48.36	48.41	0.05	Pumped	1.00	19.00	3320.68	Sock
RW-3	10/29/08	3369.05	59.62	48.39	48.41	0.02	NA	NA	NA	3320.66	Sock
RW-3	10/29/08	3369.05	59.62	47.44	47.52	0.08	Pumped	0.50	10.00	3321.60	
RW-3	10/29/08	3369.05	59.62	ND	49.20	ND	NA	NA	NA	3319.85	
RW-3	10/29/08	3369.05	59.62	48.34	48.39	0.05	Pumped	0.50	19.50	3320.70	
RW-3	11/05/08	3369.05	59.62	48.42	48.47	0.05	NA	NA	NA	3320.62	
RW-3	11/12/08	3369.05	59.62	48.41	48.43	0.02	NA	NA	NA	3320.64	
RW-3	11/20/08	3369.05	59.62	48.56	48.71	0.15	NA	NA	NA	3320.47	New Sock
RW-3	11/26/08	3369.05	59.62	ND	48.41	ND	Pumped	0.00	10.00	3320.64	Flipped Sock
RW-3	11/26/08	3369.05	59.62	ND	48.56	ND	NA	NA	NA	3320.49	
RW-3	12/03/08	3369.05	59.62	ND	48.51	ND	Pumped	0.00	10.00	3320.54	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	12/03/08	3369.05	59.62	ND	48.73	ND	NA	NA	NA	3320.32	New Sock
RW-3	12/10/08	3369.05	59.62	ND	48.51	ND	Pumped	0.00	10.00	3320.54	
RW-3	12/10/08	3369.05	59.62	ND	48.53	ND	NA	NA	NA	3320.52	
RW-3	12/17/08	3369.05	59.62	ND	48.54	ND	Pumped	0.00	10.00	3320.51	
RW-3	12/17/08	3369.05	59.62	ND	48.71	ND	NA	NA	NA	3320.34	Flipped Sock
RW-3	12/21/08	3369.05	59.62	ND	48.67	ND	Pumped	0.00	8.00	3320.38	
RW-3	12/21/08	3369.05	59.62	ND	48.63	ND	NA	NA	NA	3320.42	Flipped Sock
RW-3	12/31/08	3369.05	59.62	ND	48.53	ND	NA	0.00	10.00	3320.52	
RW-3	12/31/08	3369.05	59.62	ND	48.97	ND	NA	NA	NA	3320.08	
RW-3	01/07/09	3369.05	59.60	ND	48.47	ND	Hand Bailed	0.00	10.00	3320.58	
RW-3	01/07/09	3369.05	59.60	ND	48.52	ND	NA	NA	NA	3320.53	
RW-3	01/15/09	3369.05	59.60	ND	48.60	ND	Pumped	0.00	10.00	3320.45	
RW-3	01/15/09	3369.05	59.60	ND	48.79	ND	NA	NA	NA	3320.26	
RW-3	01/22/09	3369.05	59.60	ND	48.43	ND	Pumped	0.00	12.00	3320.62	New Sock
RW-3	01/22/09	3369.05	59.60	ND	48.49	ND	NA	NA	NA	3320.56	
RW-3	01/28/09	3369.05	59.60	ND	48.51	ND	Pumped	0.00	10.00	3320.54	
RW-3	01/28/09	3369.05	59.60	ND	48.52	ND	NA	NA	NA	3320.53	
RW-3	02/04/09	3369.05	59.60	ND	48.56	ND	Pumped	0.00	10.00	3320.49	
RW-3	02/04/09	3369.05	59.60	ND	48.61	ND	NA	NA	NA	3320.44	
RW-3	02/11/09	3369.05	59.60	ND	48.58	ND	Pumped	0.00	20.00	3320.47	
RW-3	02/11/09	3369.05	59.60	ND	48.72	ND	NA	NA	NA	3320.33	
RW-3	02/18/09	3369.05	59.60	ND	48.51	ND	Pumped	0.00	20.00	3320.54	Sock
RW-3	02/18/09	3369.05	59.60	ND	49.71	ND	NA	NA	NA	3319.34	
RW-3	02/25/09	3369.05	59.60	ND	48.42	ND	Pumped	0.00	15.00	3320.63	Flipped Sock
RW-3	02/25/09	3369.05	59.60	ND	48.56	ND	NA	NA	NA	3320.49	
RW-3	03/04/09	3369.05	59.57	ND	48.41	ND		0.00	10.00	3320.64	New Sock
RW-3	03/04/09	3369.05	59.57	ND	48.42	ND	NA	NA	NA	3320.63	
RW-3	03/11/09	3369.05	59.57	ND	48.54	ND		0.00	10.00	3320.51	Flipped Sock
RW-3	03/11/09	3369.05	59.57	ND	48.79	ND	NA	NA	NA	3320.26	
RW-3	03/18/09	3369.05	59.57	ND	48.35	ND	Pumped	0.00	10.00	3320.70	
RW-3	03/18/09	3369.05	59.57	ND	48.74	ND	NA	NA	NA	3320.31	
RW-3	03/25/09	3369.05	59.57	ND	48.34	ND	Pumped	0.00	10.00	3320.71	
RW-3	03/25/09	3369.05	59.57	ND	48.45	ND	NA	NA	NA	3320.60	
RW-3	04/01/09	3369.05	59.57	ND	48.15	ND	NA	NA	NA	3320.90	
RW-3	04/08/09	3369.05	59.57	ND	48.24	ND	Pumped	0.00	10.00	3320.81	
RW-3	04/08/09	3369.05	59.57	ND	48.39	ND	NA	NA	NA	3320.66	
RW-3	04/15/09	3369.05	59.57	ND	48.36	ND	NA	NA	NA	3320.69	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	04/22/09	3369.05	59.57	ND	48.33	ND	NA	NA	NA	3320.72	
RW-3	04/29/09	3369.05	59.57	ND	48.28	ND	NA	NA	NA	3320.77	
RW-3	05/06/09	3369.05	59.57	ND	48.32	ND	NA	NA	NA	3320.73	
RW-3	05/14/09	3369.05	59.57	48.50	48.58	0.08	NA	NA	NA	3320.54	
RW-3	05/14/09	3369.05	59.57	ND	49.47	ND	Pumped	0.25	14.75	3319.58	
RW-3	05/20/09	3369.05	59.57	ND	48.57	ND	Pumped	0.25	14.75	3320.48	
RW-3	05/28/09	3369.05	59.57	ND	48.60	ND	NA	NA	NA	3320.45	
RW-3	06/03/09	3369.05	59.57	ND	48.55	ND	NA	NA	NA	3320.50	
RW-3	06/03/09	3369.05	59.57	ND	48.80	ND	Pumped	0.00	10.00	3320.25	
RW-3	06/11/09	3369.05	59.57	ND	48.51	ND	NA	NA	NA	3320.54	
RW-3	06/11/09	3369.05	59.57	ND	48.72	ND	Pumped	0.00	10.00	3320.33	
RW-3	06/17/09	3369.05	59.57	ND	48.48	ND	NA	NA	NA	3320.57	
RW-3	06/23/09	3369.05	59.57	48.50	48.53	0.03	NA	NA	NA	3320.55	
RW-3	06/23/09	3369.05	59.57	ND	49.60	ND	Pumped	1.00	9.00	3319.45	
RW-3	07/01/09	3369.05	59.57	ND	48.51	ND	NA	NA	NA	3320.54	
RW-3	07/07/09	3369.05	59.57	ND	48.35	ND	NA	NA	NA	3320.70	New Sock
RW-3	07/15/09	3369.05	59.57	ND	48.45	ND	NA	NA	NA	3320.60	
RW-3	07/29/09	3369.05	59.57	ND	48.30	ND	NA	NA	NA	3320.75	
RW-3	08/05/09	3369.05	59.57	ND	48.36	ND	NA	NA	NA	3320.69	New Sock
RW-3	08/12/09	3369.05	59.57	ND	48.26	ND	NA	NA	NA	3320.79	Flipped Sock
RW-3	08/19/09	3369.05	59.57	ND	48.12	ND	NA	NA	NA	3320.93	New Sock
RW-3	08/19/09	3369.05	59.57	ND	48.61	ND	Pumped	0.00	10.00	3320.44	
RW-3	08/27/09	3369.05	59.57	ND	48.21	ND	NA	NA	NA	3320.84	
RW-3	09/02/09	3369.05	59.57	ND	48.19	ND	NA	NA	NA	3320.86	
RW-3	09/09/09	3369.05	59.57	ND	48.26	ND	NA	NA	NA	3320.79	
RW-3	09/16/09	3369.05	59.57	ND	48.21	ND	NA	NA	NA	3320.84	
RW-3	09/23/09	3369.05	59.57	ND	48.27	ND	Pumped	0.00	10.00	3320.78	
RW-3	09/23/09	3369.05	59.57	ND	49.25	ND	NA	NA	NA	3319.80	
RW-3	09/30/09	3369.05	59.57	ND	48.12	ND	NA	NA	NA	3320.93	
RW-3	10/07/09	3369.05	59.57	ND	48.25	ND	NA	NA	NA	3320.80	
RW-3	10/21/09	3369.05	59.57	ND	48.10	ND	NA	NA	NA	3320.95	
RW-3	10/28/09	3369.05	59.57	ND	48.12	ND	NA	NA	NA	3320.93	
RW-3	11/04/09	3369.05	59.57	48.29	48.30	0.01	Pumped	0.00	10.00	3320.76	
RW-3	11/04/09	3369.05	59.57	ND	48.55	ND	NA	NA	NA	3320.50	
RW-3	11/11/09	3369.05	59.57	48.30	48.33	0.03	Pumped	0.10	9.90	3320.75	
RW-3	11/11/09	3369.05	59.57	ND	48.52	ND	NA	NA	NA	3320.53	
RW-3	11/18/09	3369.05	59.57	48.14	48.15	0.01	Pumped	0.10	14.90	3320.91	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	11/18/09	3369.05	59.57	ND	48.64	ND	NA	NA	NA	3320.41	
RW-3	11/25/09	3369.05	59.57	48.29	48.37	0.08	Pumped	0.10	9.90	3320.75	
RW-3	11/25/09	3369.05	59.57	ND	48.88	ND	NA	NA	NA	3320.17	
RW-3	12/02/09	3369.05	59.57	48.30	48.35	0.05	Pumped	0.10	9.90	3320.74	
RW-3	12/09/09	3369.05	59.57	ND	48.93	ND	NA	NA	NA	3320.12	
RW-3	12/09/09	3369.05	59.57	48.91	48.96	0.05	Pumped	0.10	9.90	3320.13	
RW-3	12/09/09	3369.05	59.57	ND	51.18	ND	NA	NA	NA	3317.87	
RW-3	12/16/09	3369.05	59.57	48.24	48.31	0.07	Pumped	0.10	14.90	3320.80	
RW-3	12/16/09	3369.05	59.57	ND	49.10	ND	NA	NA	NA	3319.95	
RW-3	12/23/09	3369.05	59.57	48.34	48.44	0.10	Pumped	0.10	9.90	3320.70	
RW-3	12/23/09	3369.05	59.57	ND	48.71	ND	NA	NA	NA	3320.34	
RW-3	12/30/09	3369.05	59.57	48.12	48.20	0.08	Pumped	0.10	9.90	3320.92	
RW-3	12/30/09	3369.05	59.57	ND	48.66	ND	NA	NA	NA	3320.39	
RW-3	01/06/10	3369.05	59.57	48.00	48.04	0.04	Pumped	0.10	14.90	3321.04	
RW-3	01/06/10	3369.05	59.57	ND	48.60	ND	NA	NA	NA	3320.45	
RW-3	01/13/10	3369.05	59.57	48.05	48.11	0.06	Pumped	0.10	9.90	3320.99	
RW-3	01/13/10	3369.05	59.57	ND	48.85	ND	NA	NA	NA	3320.20	
RW-3	01/27/10	3369.05	59.57	47.99	48.04	0.05	NA	NA	NA	3321.05	
RW-3	02/11/10	3369.05	59.57	47.90	47.99	0.09	Pumped	0.10	14.90	3321.14	
RW-3	02/11/10	3369.05	59.57	ND	48.52	ND	NA	NA	NA	3320.53	
RW-3	02/17/10	3369.05	59.57	47.97	48.04	0.07	Pumped	0.10	14.90	3321.07	
RW-3	02/17/10	3369.05	59.57	ND	49.72	ND	NA	NA	NA	3319.33	
RW-3	03/02/10	3369.05	59.57	47.95	47.96	0.01	NA	NA	NA	3321.10	
RW-3	03/10/10	3369.05	59.57	47.83	47.94	0.11	Pumped	0.10	9.90	3321.20	
RW-3	03/10/10	3369.05	59.57	ND	48.42	ND	NA	NA	NA	3320.63	
RW-3	03/17/10	3369.05	59.57	47.96	48.02	0.06	Pumped	0.10	14.90	3321.08	
RW-3	03/17/10	3369.05	59.57	ND	49.10	ND	NA	NA	NA	3319.95	
RW-3	03/24/10	3369.05	59.57	47.90	47.95	0.05	Pumped	0.10	24.90	3321.14	
RW-3	03/24/10	3369.05	59.57	ND	48.58	ND	NA	NA	NA	3320.47	
RW-3	03/31/10	3369.05	59.57	47.86	47.89	0.03	NA	NA	NA	3321.19	
RW-3	04/07/10	3369.05	59.57	47.97	48.03	0.06	Pumped	0.10	9.90	3321.07	
RW-3	04/07/10	3369.05	59.57	ND	48.23	ND	NA	NA	NA	3320.82	
RW-3	04/14/10	3369.05	59.57	47.90	47.95	0.05	NA	NA	NA	3321.14	
RW-3	04/21/10	3369.05	59.57	47.77	47.82	0.05	NA	NA	NA	3321.27	
RW-3	04/28/10	3369.05	59.57	47.90	47.98	0.08	Hand Bailed	0.10	9.90	3321.14	
RW-3	04/28/10	3369.05	59.57	ND	48.50	ND	NA	NA	NA	3320.55	
RW-3	05/05/10	3369.05	59.57	47.92	47.96	0.04	NA	NA	NA	3321.12	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	05/11/10	3369.05	59.57	47.88	47.94	0.06	Pumped	0.10	22.90	3321.16	
RW-3	05/11/10	3369.05	59.57	ND	48.93	ND	NA	NA	NA	3320.12	
RW-3	05/19/10	3369.05	59.57	47.90	47.92	0.02	Pumped	0.10	9.90	3321.15	
RW-3	05/19/10	3369.05	59.57	ND	48.48	ND	NA	NA	NA	3320.57	
RW-3	05/29/10	3369.05	59.57	47.96	47.98	0.02	Pumped	0.10	14.90	3321.09	
RW-3	05/29/10	3369.05	59.57	ND	48.70	ND	NA	NA	NA	3320.35	
RW-3	06/02/10	3369.05	59.57	47.92	47.94	0.02	NA	NA	NA	3321.13	
RW-3	06/12/10	3369.05	59.57	48.00	48.03	0.03	NA	NA	NA	3321.05	
RW-3	06/15/10	3369.05	59.57	47.92	47.98	0.06	Pumped	0.10	9.90	3321.12	
RW-3	06/15/10	3369.05	59.57	ND	49.13	ND	NA	NA	NA	3319.92	
RW-3	06/25/10	3369.05	59.57	48.00	48.04	0.04	NA	NA	NA	3321.04	
RW-3	06/30/10	3369.05	59.57	48.03	48.09	0.06	NA	NA	NA	3321.01	
RW-3	07/07/10	3369.05	59.57	48.02	48.06	0.04	NA	NA	NA	3321.02	
RW-3	07/14/10	3369.05	59.57	47.96	48.06	0.10	NA	NA	NA	3321.08	
RW-3	07/21/10	3369.05	59.57	48.00	48.10	0.10	NA	NA	NA	3321.04	
RW-3	07/28/10	3369.05	59.57	48.01	48.11	0.10	NA	NA	NA	3321.03	
RW-3	08/03/10	3369.05	59.57	47.99	48.12	0.13	Pumped	0.10	9.90	3321.04	
RW-3	08/03/10	3369.05	59.57	ND	48.70	ND	NA	NA	NA	3320.35	
RW-3	08/11/10	3369.05	59.57	47.97	48.07	0.10	NA	NA	NA	3321.07	
RW-3	08/18/10	3369.05	59.57	48.01	48.14	0.13	NA	NA	NA	3321.02	
RW-3	08/25/10	3369.05	59.57	48.06	48.20	0.14	Pumped	0.10	9.90	3320.97	
RW-3	08/25/10	3369.05	59.57	ND	48.52	ND	NA	NA	NA	3320.53	
RW-3	09/01/10	3369.05	59.57	47.88	47.94	0.06	Pumped	0.10	9.90	3321.16	
RW-3	09/01/10	3369.05	59.57	ND	48.85	ND	NA	NA	NA	3320.20	
RW-3	09/08/10	3369.05	59.57	47.91	47.95	0.04	NA	NA	NA	3321.13	
RW-3	09/15/10	3369.05	59.57	47.91	47.96	0.05	Pumped	0.10	9.90	3321.13	
RW-3	09/15/10	3369.05	59.57	ND	49.10	ND	NA	NA	NA	3319.95	
RW-3	09/21/10	3369.05	59.57	47.87	47.88	0.01	NA	NA	NA	3321.18	
RW-3	10/01/10	3369.05	59.57	47.92	47.96	0.04	NA	NA	NA	3321.12	
RW-3	10/06/10	3369.05	59.57	47.88	47.91	0.03	NA	NA	NA	3321.17	
RW-3	10/13/10	3369.05	59.57	47.93	47.98	0.05	Pumped	0.10	19.90	3321.11	
RW-3	10/13/10	3369.05	59.57	ND	49.42	ND	NA	NA	NA	3319.63	
RW-3	10/22/10	3369.05	59.57	47.75	47.77	0.02	NA	NA	NA	3321.30	
RW-3	10/27/10	3369.05	59.57	47.75	47.78	0.03	NA	NA	NA	3321.30	
RW-3	11/03/10	3369.05	59.57	47.81	47.82	0.01	Pumped	0.10	9.90	3321.24	
RW-3	11/03/10	3369.05	59.57	ND	48.41	ND	NA	NA	NA	3320.64	
RW-3	11/10/10	3369.05	59.57	47.59	47.60	0.01	NA	NA	NA	3321.46	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	11/16/10	3369.05	59.57	47.67	47.68	0.01	NA	NA	NA	3321.38	
RW-3	11/24/10	3369.05	59.57	47.61	47.62	0.01	NA	NA	NA	3321.44	
RW-3	12/01/10	3369.05	59.57	47.55	47.56	0.01	Pumped	0.10	9.90	3321.50	
RW-3	12/01/10	3369.05	59.57	ND	48.19	ND	NA	NA	NA	3320.86	
RW-3	12/08/10	3369.05	59.57	47.62	47.63	0.01	Pumped	0.10	9.90	3321.43	
RW-3	12/08/10	3369.05	59.57	ND	48.33	ND	NA	NA	NA	3320.72	
RW-3	12/15/10	3369.05	59.57	47.43	47.44	0.01	Pumped	0.10	9.90	3321.62	
RW-3	12/15/10	3369.05	59.57	ND	48.05	ND	NA	NA	NA	3321.00	
RW-3	12/21/10	3369.05	59.57	47.55	47.56	0.01	NA	NA	NA	3321.50	
RW-3	01/08/11	3369.05	59.57	47.45	47.46	0.01	NA	NA	NA	3321.60	
RW-3	01/12/11	3369.05	59.57	47.54	47.55	0.01	Handbail	0.10	4.90	3321.51	
RW-3	01/12/11	3369.05	59.57	ND	48.12	ND	NA	NA	NA	3320.93	
RW-3	01/19/11	3369.05	59.57	47.40	47.41	0.01	NA	NA	NA	3321.65	
RW-3	01/25/11	3369.05	59.57	47.51	47.52	0.01	NA	NA	NA	3321.54	
RW-3	02/04/11	3369.05	59.57	47.40	47.41	0.01	NA	NA	NA	3321.65	
RW-3	02/08/11	3369.05	59.57	47.32	47.33	0.01	NA	NA	NA	3321.73	
RW-3	02/16/11	3369.05	59.57	47.35	47.36	0.01	NA	NA	NA	3321.70	
RW-3	02/23/11	3369.05	59.57	47.35	47.36	0.01	NA	NA	NA	3321.70	
RW-3	03/02/11	3369.05	59.57	47.38	47.40	0.02	Hand Bailed	0.00	10.00	3321.67	
RW-3	03/02/11	3369.05	59.57	ND	47.64	ND	NA	NA	NA	3321.41	
RW-3	03/08/11	3369.05	59.57	ND	47.37	ND	Hand Bailed	0.10	4.90	3321.68	
RW-3	03/08/11	3369.05	59.57	ND	48.18	ND	NA	NA	NA	3320.87	
RW-3	03/16/11	3369.05	59.57	47.36	47.37	0.01	Hand Bailed	0.10	4.90	3321.69	
RW-3	03/16/11	3369.05	59.57	ND	49.70	ND	NA	NA	NA	3319.35	
RW-3	03/23/11	3369.05	59.57	ND	47.39	ND	NA	NA	NA	3321.66	
RW-3	03/30/11	3369.05	59.57	47.31	47.32	0.01	Pumped	0.10	9.90	3321.74	
RW-3	03/30/11	3369.05	59.57	ND	47.49	ND	NA	NA	NA	3321.56	
RW-3	04/08/11	3369.05	59.57	47.30	47.31	0.01	Hand Bailed	0.10	4.90	3321.75	
RW-3	04/08/11	3369.05	59.57	ND	47.86	ND	NA	NA	NA	3321.19	
RW-3	04/13/11	3369.05	59.57	47.29	47.30	0.01	Hand Bailed	0.10	4.90	3321.76	
RW-3	04/13/11	3369.05	59.57	ND	47.76	ND	NA	NA	NA	3321.29	
RW-3	04/20/11	3369.05	59.57	47.37	47.38	0.01	Hand Bailed	0.10	4.90	3321.68	
RW-3	04/20/11	3369.05	59.57	ND	47.62	ND	NA	NA	NA	3321.43	
RW-3	04/27/11	3369.05	59.57	47.41	47.42	0.01	Pumped	0.10	14.90	3321.64	
RW-3	04/27/11	3369.05	59.57	ND	48.45	ND	NA	NA	NA	3320.60	
RW-3	05/04/11	3369.05	59.57	Sheen	47.33	Sheen	NA	NA	NA	3321.72	
RW-3	05/11/11	3369.05	59.57	47.32	47.33	0.01	Pumped	0.10	9.90	3321.73	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	05/11/11	3369.05	59.57	ND	47.58	ND	NA	NA	NA	3321.47	
RW-3	05/19/11	3369.05	59.57	47.29	47.30	0.01	NA	0.10	9.90	3321.76	
RW-3	05/19/11	3369.05	59.57	ND	47.56	ND	NA	NA	NA	3321.49	
RW-3	05/24/11	3369.05	59.57	Sheen	47.31	Sheen	NA	NA	NA	3321.74	
RW-3	06/02/11	3369.05	59.57	47.51	47.52	0.01	NA	NA	NA	3321.54	Sampled
RW-3	06/08/11	3369.05	59.57	Sheen	47.40	Sheen	NA	NA	NA	3321.65	
RW-3	06/17/11	3369.05	59.57	Sheen	47.35	Sheen	NA	NA	NA	3321.70	
RW-3	06/21/11	3369.05	59.57	Heavy Sheen	47.14	Heavy Sheen		0.10	0.00	3321.91	
RW-3	06/29/11	3369.05	59.57	47.60	47.61	0.01		0.10	0.00	3321.45	
RW-3	07/06/11	3369.05	59.57	47.63	47.64	0.01	NA	NA	NA	3321.42	
RW-3	07/13/11	3369.05	59.57	47.62	47.63	0.01	NA	NA	NA	3321.43	
RW-3	07/21/11	3369.05	59.57	47.65	47.66	0.01	NA	NA	NA	3321.40	
RW-3	07/27/11	3369.05	59.57	47.66	47.67	0.01	NA	NA	NA	3321.39	
RW-3	08/03/11	3369.05	59.57	47.71	47.73	0.02		0.10	4.90	3321.34	
RW-3	08/03/11	3369.05	59.57	ND	48.21	ND	NA	NA	NA	3320.84	
RW-3	08/11/11	3369.05	59.57	47.74	47.75	0.01		0.10	4.90	3321.31	
RW-3	08/11/11	3369.05	59.57	ND	48.01	ND	NA	NA	NA	3321.04	
RW-3	08/17/11	3369.05	59.57	47.72	47.73	0.01	NA	NA	NA	3321.33	
RW-3	08/24/11	3369.05	59.57	47.80	47.81	0.01	NA	NA	NA	3321.25	
RW-3	08/30/11	3369.05	59.57	47.74	47.75	0.01	NA	NA	NA	3321.31	
RW-3	09/07/11	3369.05	59.57	47.85	47.88	0.03		0.10	4.90	3321.20	
RW-3	09/07/11	3369.05	59.57	ND	48.31	ND	NA	NA	NA	3320.74	
RW-3	09/14/11	3369.05	59.57	47.83	47.84	0.01		0.10	4.90	3321.22	
RW-3	09/14/11	3369.05	59.57	ND	48.20	ND	NA	NA	NA	3320.85	
RW-3	09/21/11	3369.05	59.57	47.88	47.90	0.02		0.10	4.90	3321.17	
RW-3	09/21/11	3369.05	59.57	ND	48.01	ND	NA	NA	NA	3321.04	
RW-3	09/28/11	3369.05	59.57	47.83	47.84	0.01		0.10	4.90	3321.22	
RW-3	09/28/11	3369.05	59.57	ND	48.01	ND	NA	NA	NA	3321.04	
RW-3	10/05/11	3369.05	59.57	47.81	47.82	0.01	NA	0.10	9.90	3321.24	
RW-3	10/05/11	3369.05	59.57	ND	47.90	ND	NA	NA	NA	3321.15	
RW-3	10/12/11	3369.05	59.57	47.64	47.65	0.01	NA	NA	NA	3321.41	
RW-3	10/18/11	3369.05	59.57	47.97	47.98	0.01		0.10	9.90	3321.08	
RW-3	10/18/11	3369.05	59.57	ND	49.04	ND	NA	NA	NA	3320.01	
RW-3	10/28/11	3369.05	59.57	47.98	48.00	0.02	NA	NA	NA	3321.07	
RW-3	11/02/11	3369.05	59.57	47.48	47.49	0.01	NA	NA	NA	3321.57	
RW-3	11/09/11	3369.05	59.57	48.01	48.02	0.01	Hand Bailed	0.10	4.90	3321.04	
RW-3	11/09/11	3369.05	59.57	ND	48.37	ND	NA	NA	NA	3320.68	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	11/18/11	3369.05	59.57	47.84	47.85	0.01	NA	NA	NA	3321.21	
RW-3	11/23/11	3369.05	59.57	47.95	47.96	0.01	NA	NA	NA	3321.10	
RW-3	11/29/11	3369.05	59.57	47.95	48.00	0.05	NA	NA	NA	3321.09	
RW-3	12/13/11	3369.05	59.57	47.82	47.84	0.02		0.10	4.90	3321.23	
RW-3	12/13/11	3369.05	59.57	ND	48.80	ND	NA	NA	NA	3320.25	
RW-3	12/20/11	3369.05	59.57	47.89	47.90	0.01	NA	NA	NA	3321.16	
RW-3	12/27/11	3369.05	59.57	47.90	47.91	0.01	NA	NA	NA	3321.15	
RW-3	01/04/12	3369.05	59.57	47.92	47.93	0.01		0.10	4.90	3321.13	
RW-3	01/04/12	3369.05	59.57	ND	48.32	ND	NA	NA	NA	3320.73	
RW-3	01/13/12	3369.05	59.57	47.87	47.88	0.01	Hand Balled	0.10	4.90	3321.18	
RW-3	01/13/12	3369.05	59.57	ND	47.79	ND	NA	NA	NA	3321.26	
RW-3	01/18/12	3369.05	59.57	47.84	47.85	0.01	NA	NA	NA	3321.21	
RW-3	01/27/12	3369.05	59.57	47.78	47.79	0.01	NA	NA	NA	3321.27	
RW-3	02/02/12	3369.05	59.57	47.74	47.75	0.01		0.10	4.90	3321.31	
RW-3	02/02/12	3369.05	59.57	ND	47.86	ND	NA	NA	NA	3321.19	
RW-3	02/08/12	3369.05	59.57	47.88	47.90	0.02	NA	NA	NA	3321.17	
RW-3	02/15/12	3369.05	59.57	47.78	47.79	0.01	NA	NA	NA	3321.27	
RW-3	02/23/12	3369.05	59.57	47.66	47.67	0.01	NA	NA	NA	3321.39	
RW-3	02/29/12	3369.05	59.57	47.79	47.81	0.02	NA	NA	NA	3321.26	
RW-3	03/06/12	3369.05	59.57	47.72	47.73	0.01	NA	NA	NA	3321.33	
RW-3	03/14/12	3369.05	59.57	47.78	47.79	0.01	NA	NA	NA	3321.27	
RW-3	03/21/12	3369.05	59.57	47.04	47.05	0.01	NA	NA	NA	3322.01	
RW-3	03/29/12	3369.05	59.57	47.70	47.73	0.03	NA	NA	NA	3321.35	
RW-3	04/03/12	3369.05	59.57	47.79	47.80	0.01	NA	NA	NA	3321.26	
RW-3	04/11/12	3369.05	59.57	47.75	47.76	0.01	NA	NA	NA	3321.30	
RW-3	04/20/12	3369.05	59.57	47.81	47.82	0.01	NA	NA	NA	3321.24	
RW-3	04/26/12	3369.05	59.57	47.72	47.73	0.01	NA	NA	NA	3321.33	
RW-3	05/02/12	3369.05	59.57	47.74	47.76	0.02	NA	NA	NA	3321.31	
RW-3	05/09/12	3369.05	59.57	47.94	47.95	0.01	NA	NA	NA	3321.11	
RW-3	05/16/12	3369.05	59.57	47.97	47.98	0.01	NA	NA	NA	3321.08	
RW-3	05/23/12	3369.05	59.57	48.12	48.13	0.01	NA	NA	NA	3320.93	
RW-3	05/29/12	3369.05	59.57	47.85	47.98	0.13		0.10	9.90	3321.18	
RW-3	05/29/12	3369.05	59.57	ND	49.13	ND	NA	NA	NA	3319.92	
RW-3	06/06/12	3369.05	59.57	47.80	47.90	0.10		0.10	9.90	3321.24	
RW-3	06/06/12	3369.05	59.57	48.62	49.13	0.51	NA	NA	NA	3320.35	
RW-3	06/13/12	3369.05	59.57	47.74	47.84	0.10		0.10	9.90	3321.30	
RW-3	06/13/12	3369.05	59.57	ND	50.37	ND	NA	NA	NA	3318.68	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-3	06/19/12	3369.05	59.57	48.88	49.02	0.14	NA	NA	NA	3320.15	
RW-3	06/27/12	3369.05	59.57	49.03	49.21	0.18		0.00	10.00	3319.99	
RW-3	07/05/12	3369.05	59.57	49.28	49.35	0.07	NA	0.10	10.00	3319.76	
RW-3	07/05/12	3369.05	59.57	ND	51.88	ND	NA	NA	NA	3317.17	After Recovery
RW-3	07/11/12	3369.05	59.57	49.37	49.47	0.10	NA	NA	10.00	3319.67	
RW-3	07/11/12	3369.05	59.57	ND	50.68	ND	NA	NA	NA	3318.37	
RW-3	07/18/12	3369.05	59.57	49.55	49.69	0.14	NA	NA	10.00	3319.48	
RW-3	07/18/12	3369.05	59.57	ND	49.68	ND	NA	NA	NA	3319.37	
RW-3	07/25/12	3369.05	59.57	49.61	49.66	0.05	NA	0.10	10.00	3319.43	
RW-3	07/25/12	3369.05	59.57	ND	50.47	ND	NA	NA	NA	3318.58	After Recovery
RW-3	07/31/12	3369.05	59.57	48.84	49.75	0.91	NA	NA	NA	3320.98	
RW-3	08/08/12	3369.05	59.57	49.74	49.91	0.17	NA	NA	NA	3319.45	
RW-3	08/13/12	3369.05	59.57	50.75	50.90	0.15	NA	NA	NA	3318.28	
RW-3	08/20/12	3369.05	59.57	49.73	49.90	0.17	NA	0.10	10.00	3319.29	
RW-3	09/05/12	3369.05	59.57	49.80	49.92	0.12	NA	NA	NA	3319.23	
RW-3	09/12/12	3369.05	59.57	ND	49.60	ND	NA	NA	NA	3319.45	
RW-3	09/19/12	3369.05	59.57	49.58	50.00	0.42	NA	1.00	19.00	3319.41	
RW-3	09/19/12	3369.05	59.57	ND	50.37	ND	NA	NA	NA	3318.68	
RW-3	09/25/12	3369.05	59.57	49.51	49.67	0.16	NA	0.10	10.00	3319.52	
RW-3	09/25/12	3369.05	59.57	ND	50.23	ND	NA	NA	NA	3318.82	
RW-3	10/02/12	3369.05	59.57	49.57	49.74	0.17	NA	NA	NA	3319.45	
RW-3	10/10/12	3369.05	59.57	49.58	49.80	0.22	NA	0.10	10.00	3319.44	
RW-3	10/10/12	3369.05	59.57	ND	50.18	ND	NA	NA	NA	3318.87	
RW-3	10/16/12	3369.05	59.57	49.39	49.69	0.30	NA	NA	NA	3319.62	
RW-3	10/24/12	3369.05	59.57	49.40	49.79	0.39	NA	NA	NA	3319.59	
RW-3	10/30/12	3369.05	59.57	49.45	49.93	0.48	NA	0.50	19.50	3319.53	
RW-3	10/30/12	3369.05	59.57	ND	50.80	ND	NA	NA	NA	3318.25	
RW-3	11/06/12	3369.05	59.57	49.55	49.75	0.20	NA	NA	NA	3319.47	
RW-3	11/13/12	3369.05	59.57	49.61	49.92	0.31	NA	0.10	10.00	3319.39	
RW-3	11/13/12	3369.05	59.57	ND	50.43	ND	NA	NA	NA	3318.62	
RW-3	11/19/12	3369.05	59.57	49.61	49.76	0.15	NA	NA	NA	3319.42	
RW-3	12/05/12	3369.05	59.57	49.59	50.22	0.63	NA	0.50	9.50	3319.37	
RW-3	12/05/12	3369.05	59.57	ND	50.78	ND	NA	NA	NA	3318.27	
RW-3	12/11/12	3369.05	59.57	49.68	49.80	0.12	NA	NA	NA	3319.35	
RW-4	01/27/10	NS	57.63	46.69	46.85	0.16		0.00	24.00	NS	
RW-4	02/11/10	NS	57.63	46.55	47.15	0.60	Pumped	5.50	19.50	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	02/11/10	NS	57.63	ND	47.66	ND	NA	NA	NA	NS	
RW-4	02/17/10	NS	57.63	ND	46.73	ND	Pumped	0.10	24.90	NS	
RW-4	02/17/10	NS	57.63	ND	48.13	ND	NA	NA	NA	NS	
RW-4	03/02/10	NS	57.63	46.65	46.66	0.01	Pumped	0.10	14.90	NS	
RW-4	03/02/10	NS	57.63	ND	47.30	ND	NA	NA	NA	NS	
RW-4	03/10/10	NS	57.63	ND	47.56	ND	Pumped	0.25	19.75	NS	
RW-4	03/10/10	NS	57.63	ND	47.91	ND	NA	NA	NA	NS	
RW-4	03/17/10	NS	57.63	46.71	46.77	0.06	Pumped	0.10	19.90	NS	
RW-4	03/17/10	NS	57.63	ND	47.96	ND	NA	NA	NA	NS	
RW-4	03/24/10	NS	57.63	46.63	46.64	0.01	Pumped	0.10	19.90	NS	
RW-4	03/24/10	NS	57.63	ND	48.02	ND	NA	NA	NA	NS	
RW-4	03/31/10	NS	57.63	46.60	46.61	0.01	Pumped	0.10	29.90	NS	
RW-4	03/31/10	NS	57.63	ND	47.31	ND	NA	NA	NA	NS	
RW-4	04/07/10	NS	57.63	ND	46.70	ND	Pumped	0.10	19.90	NS	
RW-4	04/07/10	NS	57.63	ND	47.98	ND	NA	NA	NA	NS	
RW-4	04/14/10	NS	57.63	46.63	46.64	0.01	Pumped	0.10	19.90	NS	
RW-4	04/14/10	NS	57.63	ND	47.22	ND	NA	NA	NA	NS	
RW-4	04/21/10	NS	57.63	ND	46.48	ND	Pumped	0.10	14.90	NS	
RW-4	04/21/10	NS	57.63	ND	48.50	ND	NA	NA	NA	NS	
RW-4	04/28/10	NS	57.63	46.60	46.62	0.02	Pumped	0.10	24.90	NS	
RW-4	04/28/10	NS	57.63	ND	48.43	ND	NA	NA	NA	NS	
RW-4	05/05/10	NS	57.63	46.61	46.62	0.01	NA	NA	NA	NS	
RW-4	05/11/10	NS	57.63	ND	46.60	ND	Pumped	0.10	21.90	NS	
RW-4	05/11/10	NS	57.63	47.63	47.65	0.02	NA	NA	NA	NS	
RW-4	05/19/10	NS	57.63	46.61	46.65	0.04	Pumped	0.10	19.90	NS	
RW-4	05/19/10	NS	57.63	ND	47.23	ND	NA	NA	NA	NS	
RW-4	05/29/10	NS	57.63	46.65	46.67	0.02	Pumped	0.10	14.90	NS	
RW-4	05/29/10	NS	57.63	ND	48.60	ND	NA	NA	NA	NS	
RW-4	06/02/10	NS	57.63	ND	47.62	ND	Pumped	0.10	19.90	NS	
RW-4	06/02/10	NS	57.63	ND	49.10	ND	NA	NA	NA	NS	
RW-4	06/12/10	NS	57.63	46.70	46.71	0.01	Pumped	<0.25	20.00	NS	
RW-4	06/12/10	NS	57.63	ND	47.81	ND	NA	NA	NA	NS	
RW-4	06/15/10	NS	57.63	46.69	46.70	0.01	Pumped	<0.25	20.00	NS	
RW-4	06/15/10	NS	57.63	ND	49.20	ND	NA	NA	NA	NS	
RW-4	06/25/10	NS	57.63	ND	46.72	ND	Pumped	0.10	19.90	NS	
RW-4	06/25/10	NS	57.63	ND	47.70	ND	NA	NA	NA	NS	
RW-4	06/30/10	NS	57.63	ND	46.76	ND	Pumped	NA	NA	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	07/07/10	NS	57.63	46.73	46.74	0.01	Pumped	0.10	19.90	NS	
RW-4	07/07/10	NS	57.63	ND	48.39	ND	NA	NA	NA	NS	
RW-4	07/14/10	NS	57.63	ND	46.70	ND	NA	NA	NA	NS	
RW-4	07/21/10	NS	57.63	46.71	46.72	0.01	Pumped	0.10	14.90	NS	
RW-4	07/21/10	NS	57.63	ND	49.33	ND	NA	NA	NA	NS	
RW-4	07/28/10	NS	57.63	ND	46.71	ND	NA	NA	NA	NS	
RW-4	08/03/10	NS	57.63	ND	46.70	ND	NA	NA	NA	NS	
RW-4	08/11/10	NS	57.63	ND	46.72	ND	Pumped	0.10	19.90	NS	
RW-4	08/11/10	NS	57.63	ND	47.64	ND	NA	NA	NA	NS	
RW-4	08/18/10	NS	57.63	46.72	46.73	0.01	NA	NA	NA	NS	
RW-4	08/25/10	NS	57.63	46.78	46.79	0.01	Pumped	0.10	19.90	NS	
RW-4	08/25/10	NS	57.63	46.72	46.73	0.01	NA	NA	NA	NS	
RW-4	09/01/10	NS	57.63	ND	46.61	ND	Pumped	0.10	19.90	NS	
RW-4	09/01/10	NS	57.63	ND	48.90	ND	NA	NA	NA	NS	
RW-4	09/08/10	NS	57.63	46.64	46.65	0.01	Pumped	0.10	19.90	NS	
RW-4	09/08/10	NS	57.63	ND	48.20	ND	NA	NA	NA	NS	
RW-4	09/15/10	NS	57.63	46.62	46.63	0.01	Pumped	0.10	29.90	NS	
RW-4	09/15/10	NS	57.63	ND	48.05	ND	NA	NA	NA	NS	
RW-4	09/21/10	NS	57.63	46.56	46.57	0.01	Pumped	0.10	19.90	NS	
RW-4	09/21/10	NS	57.63	ND	47.95	ND	NA	NA	NA	NS	
RW-4	10/01/10	NS	57.63	46.63	46.64	0.01	Pumped	0.10	14.90	NS	
RW-4	10/01/10	NS	57.63	ND	49.33	ND	NA	NA	NA	NS	
RW-4	10/06/10	NS	57.63	ND	46.60	ND	Pumped	0.10	9.90	NS	
RW-4	10/06/10	NS	57.63	ND	48.10	ND	NA	NA	NA	NS	
RW-4	10/13/10	NS	57.63	46.65	46.67	0.02	Pumped	0.10	19.90	NS	
RW-4	10/13/10	NS	57.63	ND	48.01	ND	NA	NA	NA	NS	
RW-4	10/22/10	NS	57.63	46.46	46.47	0.01	NA	NA	NA	NS	
RW-4	10/27/10	NS	57.63	46.48	46.52	0.04	Pumped	0.10	19.90	NS	
RW-4	10/27/10	NS	57.63	ND	48.12	ND	NA	NA	NA	NS	
RW-4	11/03/10	NS	57.63	46.52	46.53	0.01	Pumped	0.10	9.90	NS	
RW-4	11/03/10	NS	57.63	ND	47.30	ND	NA	NA	NA	NS	
RW-4	11/10/10	NS	57.63	ND	46.31	ND	NA	NA	NA	NS	
RW-4	11/16/10	NS	57.63	ND	46.39	ND	Pumped	0.10	9.90	NS	
RW-4	11/16/10	NS	57.63	ND	48.44	ND	NA	NA	NA	NS	
RW-4	11/24/10	NS	57.63	46.33	46.34	0.01	Pumped	0.10	19.90	NS	
RW-4	11/24/10	NS	57.63	ND	48.05	ND	NA	NA	NA	NS	
RW-4	12/01/10	NS	57.63	ND	46.26	ND	NA	NA	NA	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	12/08/10	NS	57.63	46.34	46.35	0.01	Pumped	0.10	9.90	NS	
RW-4	12/08/10	NS	57.63	ND	48.16	ND	NA	NA	NA	NS	
RW-4	12/15/10	NS	57.63	46.14	46.15	0.01	Pumped	0.10	9.90	NS	
RW-4	12/15/10	NS	57.63	ND	47.85	ND	NA	NA	NA	NS	
RW-4	12/21/10	NS	57.63	46.28	46.30	0.02	Pumped	0.10	14.90	NS	
RW-4	12/21/10	NS	57.63	ND	48.04	ND	NA	NA	NA	NS	
RW-4	01/08/11	NS	57.63	46.15	46.16	0.01	NA	NA	NA	NS	
RW-4	01/12/11	NS	57.63	ND	46.25	ND	NA	NA	NA	NS	
RW-4	01/19/11	NS	57.63	46.11	46.13	0.02	Pumped	0.20	19.80	NS	
RW-4	01/19/11	NS	57.63	ND	47.95	ND	NA	NA	NA	NS	
RW-4	01/25/11	NS	57.63	46.23	46.24	0.01	Pumped	0.10	19.90	NS	
RW-4	01/25/11	NS	57.63	ND	47.23	ND	NA	NA	NA	NS	
RW-4	02/04/11	NS	57.63	46.10	46.12	0.02	Pumped	0.10	9.90	NS	
RW-4	02/04/11	NS	57.63	ND	48.03	ND	NA	NA	NA	NS	
RW-4	02/08/11	NS	57.63	46.03	46.05	0.02	Pumped	0.10	9.90	NS	
RW-4	02/08/11	NS	57.63	ND	47.36	ND	NA	NA	NA	NS	
RW-4	02/16/11	NS	57.63	46.06	46.07	0.01	Pumped	0.10	14.90	NS	
RW-4	02/16/11	NS	57.63	ND	48.15	ND	NA	NA	NA	NS	
RW-4	02/23/11	NS	57.63	46.06	46.07	0.01	Pumped	0.20	9.80	NS	
RW-4	02/23/11	NS	57.63	ND	47.83	ND	NA	NA	NA	NS	
RW-4	03/02/11	NS	57.63	46.10	46.12	0.02	Pumped	0.10	14.90	NS	
RW-4	03/02/11	NS	57.63	ND	47.96	ND	NA	NA	NA	NS	
RW-4	03/08/11	NS	57.63	46.08	46.10	0.02	Hand Bailed	0.10	4.90	NS	
RW-4	03/08/11	NS	57.63	ND	47.17	ND	NA	NA	NA	NS	
RW-4	03/16/11	NS	57.63	46.07	46.11	0.04	Hand Bailed	0.10	4.90	NS	
RW-4	03/16/11	NS	57.63	ND	47.06	ND	NA	NA	NA	NS	
RW-4	03/23/11	NS	57.63	46.10	46.13	0.03	Hand Bailed	0.10	4.90	NS	
RW-4	03/23/11	NS	57.63	ND	46.96	ND	NA	NA	NA	NS	
RW-4	03/30/11	NS	57.63	46.02	46.04	0.02	Pumped	0.10	19.90	NS	
RW-4	03/30/11	NS	57.63	ND	47.45	ND	NA	NA	NA	NS	
RW-4	04/08/11	NS	57.63	46.00	46.04	0.04	Hand Bailed	0.10	4.90	NS	
RW-4	04/08/11	NS	57.63	ND	47.02	ND	NA	NA	NA	NS	
RW-4	04/13/11	NS	57.63	46.01	46.02	0.01	Hand Bailed	0.10	4.90	NS	
RW-4	04/13/11	NS	57.63	ND	47.11	ND	NA	NA	NA	NS	
RW-4	04/20/11	NS	57.63	46.10	46.12	0.02	Hand Bailed	0.10	4.90	NS	
RW-4	04/20/11	NS	57.63	ND	47.00	ND	NA	NA	NA	NS	
RW-4	04/27/11	NS	57.63	46.14	46.16	0.02	Pumped	0.10	19.90	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	04/27/11	NS	57.63	ND	48.76	ND	NA	NA	NA	NS	
RW-4	05/04/11	NS	57.63	46.03	46.05	0.02	Pumped	0.10	29.90	NS	
RW-4	05/04/11	NS	57.63	ND	48.83	ND	NA	NA	NA	NS	
RW-4	05/11/11	NS	57.63	46.08	46.11	0.03	Pumped	0.10	19.90	NS	
RW-4	05/11/11	NS	57.63	ND	47.26	ND	NA	NA	NA	NS	
RW-4	05/19/11	NS	57.63	46.02	46.06	0.04		0.10	9.90	NS	
RW-4	05/19/11	NS	57.63	ND	47.63	ND	NA	NA	NA	NS	
RW-4	05/24/11	NS	57.63	46.02	46.06	0.04		0.10	9.90	NS	
RW-4	05/24/11	NS	57.63	ND	46.91	ND	NA	NA	NA	NS	
RW-4	06/02/11	NS	57.63	Sheen	46.24	Sheen	NA	NA	NA	NS	Sampled
RW-4	06/08/11	NS	57.63	46.05	46.09	0.04		0.10	14.90	NS	
RW-4	06/08/11	NS	57.63	ND	47.10	ND	NA	NA	NA	NS	
RW-4	06/17/11	NS	57.63	46.10	46.13	0.03		0.10	9.90	NS	
RW-4	06/17/11	NS	57.63	ND	47.18	ND	NA	NA	NA	NS	
RW-4	06/21/11	NS	57.63	46.08	46.10	0.02		0.10	9.90	NS	
RW-4	06/21/11	NS	57.63	ND	47.22	ND	NA	NA	NA	NS	
RW-4	06/29/11	NS	57.63	46.33	46.36	0.03		0.10	9.90	NS	
RW-4	06/29/11	NS	57.63	ND	47.13	ND	NA	NA	NA	NS	
RW-4	07/06/11	NS	57.63	46.37	46.43	0.06		0.10	4.90	NS	
RW-4	07/06/11	NS	57.63	ND	47.07	ND	NA	NA	NA	NS	
RW-4	07/13/11	NS	57.63	46.35	46.39	0.04		0.10	14.90	NS	
RW-4	07/13/11	NS	57.63	ND	47.25	ND	NA	NA	NA	NS	
RW-4	07/21/11	NS	57.63	46.38	46.41	0.03		0.10	4.90	NS	
RW-4	07/21/11	NS	57.63	ND	47.11	ND	NA	NA	NA	NS	
RW-4	07/27/11	NS	57.63	46.40	46.46	0.06	Hand Bailed	0.10	9.90	NS	
RW-4	07/27/11	NS	57.63	ND	47.85	ND	NA	NA	NA	NS	
RW-4	08/03/11	NS	57.63	46.46	46.55	0.09		0.10	9.90	NS	
RW-4	08/03/11	NS	57.63	ND	48.34	ND	NA	NA	NA	NS	
RW-4	08/11/11	NS	57.63	46.46	46.58	0.12		0.10	4.90	NS	
RW-4	08/11/11	NS	57.63	ND	46.96	ND	NA	NA	NA	NS	
RW-4	08/17/11	NS	57.63	46.43	46.53	0.10		0.20	19.80	NS	
RW-4	08/17/11	NS	57.63	ND	47.15	ND	NA	NA	NA	NS	
RW-4	08/24/11	NS	57.63	46.51	46.55	0.04	Hand Bailed	0.10	9.90	NS	
RW-4	08/24/11	NS	57.63	ND	47.38	ND	NA	NA	NA	NS	
RW-4	08/30/11	NS	57.63	46.46	46.47	0.01		0.10	4.90	NS	
RW-4	08/30/11	NS	57.63	ND	47.40	ND	NA	NA	NA	NS	
RW-4	09/07/11	NS	57.63	46.60	46.64	0.04		0.10	4.90	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	09/07/11	NS	57.63	ND	47.35	ND	NA	NA	NA	NS	
RW-4	09/14/11	NS	57.63	46.56	46.57	0.01	NA	NA	NA	NS	
RW-4	09/21/11	NS	57.63	46.60	46.61	0.01		0.10	4.90	NS	
RW-4	09/21/11	NS	57.63	ND	47.49	ND	NA	NA	NA	NS	
RW-4	09/28/11	NS	57.63	46.57	46.58	0.01		0.10	4.90	NS	
RW-4	09/28/11	NS	57.63	ND	47.15	ND	NA		NA	NS	
RW-4	10/05/11	NS	57.63	46.53	46.55	0.02		<0.25	20.00	NS	Clear at 5 gal
RW-4	10/05/11	NS	57.63	ND	50.18	ND	NA	NA	NA	NS	
RW-4	10/12/11	NS	57.63	46.48	46.62	0.14		0.10	19.90	NS	Clear at 5 gal
RW-4	10/12/11	NS	57.63	ND	49.85	ND	NA	NA	NA	NS	
RW-4	10/18/11	NS	57.63	46.72	46.77	0.05		0.10	14.90	NS	Clear at 3 gal
RW-4	10/18/11	NS	57.63	ND	48.95	ND	NA	NA	NA	NS	
RW-4	10/28/11	NS	57.63	46.72	46.74	0.02		0.10	9.90	NS	
RW-4	10/28/11	NS	57.63	ND	48.88	ND	NA	NA	NA	NS	
RW-4	11/02/11	NS	57.63	48.48	48.50	0.02	Pumped	0.10	29.90	NS	Clear at 4 gal
RW-4	11/02/11	NS	57.63	ND	50.71	ND	NA	NA	NA	NS	
RW-4	11/09/11	NS	57.63	46.76	46.79	0.03	Hand Bailed	0.10	4.90	NS	
RW-4	11/09/11	NS	57.63	ND	47.55	ND	NA	NA	NA	NS	
RW-4	11/18/11	NS	57.63	46.54	46.55	0.01		0.10	4.90	NS	
RW-4	11/18/11	NS	57.63	ND	47.36	ND	NA	NA	NA	NS	
RW-4	11/23/11	NS	57.63	46.65	46.71	0.06		0.10	9.90	NS	
RW-4	11/23/11	NS	57.63	ND	47.71	ND	NA	NA	NA	NS	
RW-4	11/29/11	NS	57.63	46.65	46.70	0.05	NA	NA	NA	NS	
RW-4	12/13/11	NS	57.63	46.52	46.56	0.04		0.10	14.90	NS	
RW-4	12/13/11	NS	57.63	ND	47.59	ND	NA	NA	NA	NS	
RW-4	12/20/11	NS	57.63	46.63	46.74	0.11		0.10	19.90	NS	
RW-4	12/20/11	NS	57.63	ND	49.49	ND	NA	NA	NA	NS	
RW-4	12/27/11	NS	57.63	46.60	46.67	0.07		0.10	4.90	NS	
RW-4	12/27/11	NS	57.63	ND	49.10	ND	NA	NA	NA	NS	
RW-4	01/04/12	NS	57.63	46.67	46.69	0.02	NA	NA	NA	NS	
RW-4	01/13/12	NS	57.63	ND	46.61	ND	NA	NA	NA	NS	
RW-4	01/18/12	NS	57.63	46.57	46.58	0.01	Pumped	0.10	19.90	NS	
RW-4	01/18/12	NS	57.63	ND	49.31	ND	NA	NA	NA	NS	
RW-4	01/27/12	NS	57.63	46.48	46.51	0.03		0.10	14.90	NS	
RW-4	01/27/12	NS	57.63	ND	49.10	ND	NA	NA	NA	NS	
RW-4	02/02/12	NS	57.63	46.43	46.45	0.02	NA	NA	NA	NS	
RW-4	02/08/12	NS	57.63	46.59	46.63	0.04		0.10	19.90	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	02/08/12	NS	57.63	ND	48.09	ND	NA	NA	NA	NS	
RW-4	02/15/12	NS	57.63	46.50	46.55	0.05		0.10	9.90	NS	
RW-4	02/15/12	NS	57.63	ND	48.10	ND	NA	NA	NA	NS	
RW-4	02/23/12	NS	57.63	46.36	46.38	0.02	NA	NA	NA	NS	
RW-4	02/29/12	NS	57.63	46.50	46.55	0.05		0.10	9.90	NS	
RW-4	02/29/12	NS	57.63	ND	48.03	ND	NA	NA	NA	NS	
RW-4	03/06/12	NS	57.63	ND	46.43	ND		0.10	19.90	NS	
RW-4	03/06/12	NS	57.63	ND	47.45	ND	NA	NA	NA	NS	
RW-4	03/14/12	NS	57.63	46.52	46.60	0.08		0.10	14.90	NS	
RW-4	03/14/12	NS	57.63	ND	49.20	ND	NA	NA	NA	NS	
RW-4	03/21/12	NS	57.63	46.37	46.42	0.05		0.10	19.90	NS	
RW-4	03/21/12	NS	57.63	ND	49.63	ND	NA	NA	NA	NS	
RW-4	03/29/12	NS	57.63	46.42	46.46	0.04	Pump	0.10	14.90	NS	
RW-4	03/29/12	NS	57.63	ND	48.06	ND	NA	NA	NA	NS	
RW-4	04/03/12	NS	57.63	46.51	46.58	0.07	Pump	0.10	9.90	NS	
RW-4	04/03/12	NS	57.63	ND	51.80	ND	NA	NA	NA	NS	
RW-4	04/11/12	NS	57.63	46.48	46.53	0.05	Pump	0.10	9.90	NS	
RW-4	04/11/12	NS	57.63	ND	51.55	ND	NA	NA	NA	NS	
RW-4	04/20/12	NS	57.63	46.54	46.64	0.10	Pump	0.10	14.90	NS	
RW-4	04/20/12	NS	57.63	ND	49.18	ND	NA	NA	NA	NS	
RW-4	04/26/12	NS	57.63	46.45	46.50	0.05	Pump	0.10	14.90	NS	
RW-4	04/26/12	NS	57.63	ND	47.47	ND	NA	NA	NA	NS	
RW-4	05/02/12	NS	57.63	46.48	46.55	0.07		0.10	14.90	NS	
RW-4	05/02/12	NS	57.63	ND	51.55	ND	NA	NA	NA	NS	
RW-4	05/09/12	NS	57.63	46.62	46.69	0.07		0.10	14.90	NS	
RW-4	05/09/12	NS	57.63	ND	48.10	ND	NA	NA	NA	NS	
RW-4	05/16/12	NS	57.63	46.65	46.68	0.03		0.10	14.90	NS	
RW-4	05/16/12	NS	57.63	ND	47.13	ND	NA	NA	NA	NS	
RW-4	05/23/12	NS	57.63	46.74	46.75	0.01	NA	NA	NA	NS	
RW-4	05/29/12	NS	57.63	47.00	47.02	0.02	NA	NA	NA	NS	
RW-4	06/06/12	NS	57.63	47.25	47.29	0.04		0.10	9.90	NS	
RW-4	06/06/12	NS	57.63	ND	48.75	ND	NA	NA	NA	NS	
RW-4	06/13/12	NS	57.63	47.38	47.42	0.04		0.10	9.90	NS	
RW-4	06/13/12	NS	57.63	ND	50.18	ND	NA	NA	NA	NS	
RW-4	06/19/12	NS	57.63	47.41	47.65	0.24		0.10	9.90	NS	
RW-4	06/19/12	NS	57.63	ND	48.82	ND	NA	NA	NA	NS	
RW-4	06/27/12	NS	57.63	47.62	47.71	0.09		0.00	10.00	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-4	06/27/12	NS	57.63	ND	47.54	ND	NA	NA	NA	NS	
RW-4	07/05/12	NS	57.63	ND	47.82	47.88	NA	NA	NA	NS	
RW-4	07/05/12	NS	57.63	ND	52.32	ND	NA	NA	NA	NS	
RW-4	07/11/12	NS	57.63	47.90	47.98	0.08	NA	NA	10.00	NS	
RW-4	07/11/12	NS	57.63	ND	49.13	ND	NA	NA	NA	NS	
RW-4	07/18/12	NS	57.63	48.05	48.14	0.09	NA	NA	NA	NS	
RW-4	07/25/12	NS	57.63	48.12	48.22	0.10	NA	0.10	5.00	NS	
RW-4	07/25/12	NS	57.63	ND	48.91	ND	NA	NA	NA	NS	
RW-4	07/31/12	NS	57.63	48.24	48.30	0.06	NA	NA	NA	NS	
RW-4	08/08/12	NS	57.63	48.32	48.40	0.08	NA	NA	NA	NS	
RW-4	08/13/12	NS	57.63	48.31	48.41	0.1	NA	0.1	10	NS	
RW-4	08/13/12	NS	57.63	ND	49.57	ND	NA	NA	NA	NS	
RW-4	08/20/12	NS	57.63	48.30	48.33	0.03	NA	NA	NA	NS	
RW-4	08/20/12	NS	57.63	48.30	48.36	0.06	NA	0.10	10.00	NS	
RW-4	09/05/12	NS	57.63	ND	49.25	ND	NA	NA	NA	NS	
RW-4	09/05/12	NS	57.63	ND	48.26	ND	NA	NA	NA	NS	
RW-4	09/12/12	NS	57.63	48.25	48.35	0.10	NA	0.10	10.00	NS	
RW-4	09/19/12	NS	57.63	ND	50.40	ND	NA	NA	NA	NS	
RW-4	09/25/12	NS	57.63	48.16	48.22	0.06	NA	NA	NA	NS	
RW-4	10/02/12	NS	57.63	48.22	48.32	0.10	NA	NA	NA	NS	
RW-4	10/10/12	NS	57.63	48.22	48.41	0.19	NA	0.10	10.00	NS	
RW-4	10/10/12	NS	57.63	ND	50.68	ND	NA	NA	NA	NS	
RW-4	10/16/12	NS	57.63	48.05	48.25	0.20	NA	0.10	10.00	NS	
RW-4	10/24/12	NS	57.63	48.08	48.20	0.12	NA	NA	NA	NS	
RW-4	10/30/12	NS	57.63	48.12	48.38	0.26	NA	0.10	20.00	NS	
RW-4	10/30/12	NS	57.63	ND	51.48	ND	NA	NA	NA	NS	
RW-4	11/06/12	NS	57.63	48.20	48.34	0.14	NA	NA	NA	NS	
RW-4	11/13/12	NS	57.63	48.25	48.55	0.30	NA	0.10	10.00	NS	
RW-4	11/13/12	NS	57.63	ND	49.50	ND	NA	NA	NA	NS	
RW-4	11/19/12	NS	57.63	48.21	48.51	0.30	NA	NA	NA	NS	
RW-4	12/05/12	NS	57.63	48.22	48.73	0.51	NA	1.00	14.00	NS	
RW-4	12/05/12	NS	57.63	ND	50.76	ND	NA	NA	NA	NS	
RW-4	12/11/12	NS	57.63	49.29	49.48	0.19	NA	NA	NA	NS	
RW-5	01/27/10	NS	59.73	47.58	47.59	0.01		0.00	21.50	NS	
RW-5	02/11/10	NS	59.73	47.50	47.56	0.06	Pumped	0.10	9.90	NS	
RW-5	02/11/10	NS	59.73	ND	50.80	ND	NA	NA	NA	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO. : 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	02/17/10	NS	59.73	47.55	47.64	0.09	Pumped	0.10	9.90	NS	
RW-5	02/17/10	NS	59.73	ND	49.18	ND	NA	NA	NA	NS	
RW-5	03/02/10	NS	59.73	47.50	47.51	0.01	Pumped	0.10	9.90	NS	
RW-5	03/02/10	NS	59.73	ND	49.36	ND	NA	NA	NA	NS	
RW-5	03/02/10	NS	59.73	47.39	47.40	0.01	Pumped	0.10	9.90	NS	
RW-5	03/02/10	NS	59.73	ND	49.02	ND	NA	NA	NA	NS	
RW-5	03/17/10	NS	59.73	47.52	47.65	0.13	Pumped	0.10	14.90	NS	
RW-5	03/17/10	NS	59.73	ND	49.62	ND	NA	NA	NA	NS	
RW-5	03/24/10	NS	59.73	47.46	47.58	0.12	Pumped	0.10	9.90	NS	
RW-5	03/24/10	NS	59.73	ND	49.42	ND	NA	NA	NA	NS	
RW-5	03/31/10	NS	59.73	47.40	47.50	0.10	Pumped	0.10	14.90	NS	
RW-5	03/31/10	NS	59.73	ND	49.13	ND	NA	NA	NA	NS	
RW-5	04/07/10	NS	59.73	47.51	47.59	0.08	Pumped	0.10	9.90	NS	
RW-5	04/07/10	NS	59.73	ND	49.14	ND	NA	NA	NA	NS	
RW-5	04/14/10	NS	59.73	47.35	47.59	0.24	Pumped	0.10	9.90	NS	
RW-5	04/14/10	NS	59.73	ND	49.30	ND	NA	NA	NA	NS	
RW-5	04/21/10	NS	59.73	47.35	47.45	0.10	Pumped	0.10	14.90	NS	
RW-5	04/21/10	NS	59.73	ND	50.57	ND	NA	NA	NA	NS	
RW-5	04/28/10	NS	59.73	47.46	47.56	0.10	Pumped	0.10	9.90	NS	
RW-5	04/28/10	NS	59.73	ND	48.76	ND	NA	NA	NA	NS	
RW-5	05/05/10	NS	59.73	47.44	47.63	0.19	NA	NA	NA	NS	
RW-5	05/11/10	NS	59.73	47.38	47.68	0.30	Pumped	0.10	23.90	NS	
RW-5	05/11/10	NS	59.73	ND	51.75	ND	NA	NA	NA	NS	
RW-5	05/19/10	NS	59.73	47.45	47.67	0.22	Pumped	<0.25	9.75	NS	
RW-5	05/19/10	NS	59.73	ND	49.09	ND	NA	NA	NA	NS	
RW-5	05/29/10	NS	59.73	47.48	47.77	0.29	Pumped	<0.25	9.75	NS	
RW-5	05/29/10	NS	59.73	ND	50.00	ND	NA	NA	NA	NS	
RW-5	06/02/10	NS	59.73	47.46	47.63	0.17	Pumped	0.10	14.90	NS	
RW-5	06/02/10	NS	59.73	ND	49.65	ND	NA	NA	NA	NS	
RW-5	06/12/10	NS	59.73	47.52	47.63	0.11	Pumped	<0.25	10.00	NS	
RW-5	06/12/10	NS	59.73	ND	50.50	ND	NA	NA	NA	NS	
RW-5	06/15/10	NS	59.73	47.48	47.68	0.20	Pumped	<0.25	15.00	NS	
RW-5	06/15/10	NS	59.73	ND	52.40	ND	NA	NA	NA	NS	
RW-5	06/25/10	NS	59.73	47.52	47.83	0.31	Pumped	0.10	19.90	NS	
RW-5	06/25/10	NS	59.73	ND	49.94	ND	NA	NA	NA	NS	
RW-5	06/30/10	NS	59.73	47.55	47.80	0.25	NA	NA	NA	NS	
RW-5	07/07/10	NS	59.73	47.53	47.92	0.39	Pumped	<0.25	10.00	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	07/07/10	NS	59.73	ND	51.20	ND	NA	NA	NA	NS	
RW-5	07/14/10	NS	59.73	47.52	47.80	0.28	Pumped	0.10	9.90	NS	
RW-5	07/14/10	NS	59.73	ND	49.44	ND	NA	NA	NA	NS	
RW-5	07/21/10	NS	59.73	47.53	47.80	0.27	Pumped	<0.25	10.00	NS	
RW-5	07/21/10	NS	59.73	ND	49.45	ND	NA	NA	NA	NS	
RW-5	07/28/10	NS	59.73	47.52	47.80	0.28	Pumped	<0.25	10.00	NS	
RW-5	07/28/10	NS	59.73	ND	50.16	ND	NA	NA	NA	NS	
RW-5	08/03/10	NS	59.73	47.52	47.76	0.24	Pumped	0.10	9.90	NS	
RW-5	08/03/10	NS	59.73	ND	49.20	ND	NA	NA	NA	NS	
RW-5	08/03/10	NS	59.73	48.59	48.89	0.30	Pumped	0.10	9.90	NS	
RW-5	08/11/10	NS	59.73	ND	50.08	ND	NA	NA	NA	NS	
RW-5	08/11/10	NS	59.73	47.54	47.80	0.26	Pumped	<0.25	10.00	NS	
RW-5	08/18/10	NS	59.73	ND	51.48	ND	NA	NA	NA	NS	
RW-5	08/25/10	NS	59.73	47.54	47.80	0.26	Pumped	0.10	9.90	NS	
RW-5	08/25/10	NS	59.73	ND	51.48	ND	NA	NA	NA	NS	
RW-5	09/01/10	NS	59.73	47.43	47.63	0.20	Pumped	<0.25	10.00	NS	
RW-5	09/01/10	NS	59.73	ND	49.34	ND	NA	NA	NA	NS	
RW-5	09/08/10	NS	59.73	47.46	47.67	0.21	Pumped	0.10	9.90	NS	
RW-5	09/08/10	NS	59.73	ND	49.61	ND	NA	NA	NA	NS	
RW-5	09/15/10	NS	59.73	47.44	47.69	0.25	Pumped	0.10	9.90	NS	
RW-5	09/15/10	NS	59.73	ND	49.59	ND	NA	NA	NA	NS	
RW-5	09/21/10	NS	59.73	47.40	47.57	0.17	Pumped	0.10	19.90	NS	
RW-5	09/21/10	NS	59.73	ND	49.30	ND	NA	NA	NA	NS	
RW-5	10/01/10	NS	59.73	ND	47.44	ND	Pumped	0.10	9.90	NS	
RW-5	10/01/10	NS	59.73	ND	50.25	ND	NA	NA	NA	NS	
RW-5	10/06/10	NS	59.73	ND	47.45	ND	Pumped	0.10	9.90	NS	
RW-5	10/06/10	NS	59.73	ND	49.60	ND	NA	NA	NA	NS	
RW-5	10/13/10	NS	59.73	47.48	47.71	0.23	Pumped	0.10	9.90	NS	
RW-5	10/13/10	NS	59.73	ND	49.00	ND	NA	NA	NA	NS	
RW-5	10/22/10	NS	59.73	47.29	47.47	0.18	Pumped	0.10	14.90	NS	
RW-5	10/22/10	NS	59.73	ND	49.81	ND	NA	NA	NA	NS	
RW-5	10/27/10	NS	59.73	47.33	47.45	0.12	Pumped	0.10	19.90	NS	
RW-5	10/27/10	NS	59.73	ND	48.95	ND	NA	NA	NA	NS	
RW-5	11/03/10	NS	59.73	47.35	47.58	0.23	Pumped	0.10	9.90	NS	
RW-5	11/03/10	NS	59.73	ND	49.21	ND	NA	NA	NA	NS	
RW-5	11/10/10	NS	59.73	47.13	47.26	0.13	Pumped	0.10	9.90	NS	
RW-5	11/10/10	NS	59.73	ND	49.40	ND	NA	NA	NA	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	11/16/10	NS	59.73	47.23	47.33	0.10	Pumped	0.10	9.90	NS	
RW-5	11/16/10	NS	59.73	ND	49.42	ND	NA	NA	NA	NS	
RW-5	11/24/10	NS	59.73	47.16	47.28	0.12	Pumped	<.25	10.00	NS	
RW-5	11/24/10	NS	59.73	ND	49.50	ND	NA	NA	NA	NS	
RW-5	12/01/10	NS	59.73	47.11	47.20	0.09	Pumped	0.10	9.90	NS	
RW-5	12/01/10	NS	59.73	ND	49.45	ND	NA	NA	NA	NS	
RW-5	12/08/10	NS	59.73	47.18	47.30	0.12	Pumped	0.10	9.90	NS	
RW-5	12/08/10	NS	59.73	ND	48.67	ND	NA	NA	NA	NS	
RW-5	12/15/10	NS	59.73	46.99	47.08	0.09	Pumped	0.10	9.90	NS	
RW-5	12/15/10	NS	59.73	ND	49.52	ND	NA	NA	NA	NS	
RW-5	12/21/10	NS	59.73	47.10	47.18	0.08	Pumped	0.10	9.90	NS	
RW-5	12/21/10	NS	59.73	ND	48.29	ND	NA	NA	NA	NS	
RW-5	01/08/11	NS	59.73	46.99	47.08	0.09	Pumped	0.20	4.80	NS	
RW-5	01/08/11	NS	59.73	ND	49.16	ND	NA	NA	NA	NS	
RW-5	01/12/11	NS	59.73	47.09	47.12	0.03	Hand Bailed	0.20	9.80	NS	
RW-5	01/12/11	NS	59.73	ND	51.53	ND	NA	NA	NA	NS	
RW-5	01/19/11	NS	59.73	46.95	47.03	0.08	Pumped	<.25	15.00	NS	
RW-5	01/19/11	NS	59.73	ND	48.62	ND	NA	NA	NA	NS	
RW-5	01/25/11	NS	59.73	47.08	47.13	0.05	Pumped	0.10	9.90	NS	
RW-5	01/25/11	NS	59.73	ND	48.58	ND	NA	NA	NA	NS	
RW-5	02/04/11	NS	59.73	46.96	46.97	0.01	Pumped	0.10	9.90	NS	
RW-5	02/04/11	NS	59.73	ND	48.52	ND	NA	NA	NA	NS	
RW-5	02/08/11	NS	59.73	ND	46.90	ND	NA	NA	NA	NS	
RW-5	02/16/11	NS	59.73	46.92	46.93	0.01	Pumped	0.10	9.90	NS	
RW-5	02/16/11	NS	59.73	ND	47.43	ND	NA	NA	NA	NS	
RW-5	02/23/11	NS	59.73	ND	46.92	ND	Pumped	0.10	9.90	NS	
RW-5	02/23/11	NS	59.73	ND	49.66	ND	NA	NA	NA	NS	
RW-5	03/02/11	NS	59.73	ND	46.95	ND	Pumped	0.10	9.90	NS	
RW-5	03/02/11	NS	59.73	ND	50.73	ND	NA	NA	NA	NS	
RW-5	03/08/11	NS	59.73	46.93	46.94	0.01	Hand Bailed	0.10	4.90	NS	
RW-5	03/08/11	NS	59.73	ND	49.73	ND	NA	NA	NA	NS	
RW-5	03/16/11	NS	59.73	46.94	46.95	0.01	Hand Bailed	0.10	4.90	NS	
RW-5	03/16/11	NS	59.73	ND	49.00	ND	NA	NA	NA	NS	
RW-5	03/23/11	NS	59.73	46.96	46.98	0.02	Hand Bailed	0.10	4.90	NS	
RW-5	03/23/11	NS	59.73	ND	49.07	ND	NA	NA	NA	NS	
RW-5	03/30/11	NS	59.73	ND	46.88	ND	NA	NA	NA	NS	
RW-5	04/08/11	NS	59.73	ND	46.87	ND	NA	NA	NA	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	04/13/11	NS	59.73	ND	46.87	ND	Hand Bailed	0.10	4.90	NS	
RW-5	04/13/11	NS	59.73	ND	49.95	ND	NA	NA	NA	NS	
RW-5	04/20/11	NS	59.73	46.95	46.96	0.01	Hand Bailed	0.10	4.90	NS	
RW-5	04/20/11	NS	59.73	ND	49.12	ND	NA	NA	NA	NS	
RW-5	04/27/11	NS	59.73	47.00	47.04	0.04	Pumped	0.10	9.90	NS	
RW-5	04/27/11	NS	59.73	ND	51.35	ND	NA	NA	NA	NS	
RW-5	05/04/11	NS	59.73	Sheen	46.90	Sheen	NA	NA	NA	NS	
RW-5	05/11/11	NS	59.73	46.95	46.96	0.01	Pumped	0.10	9.90	NS	
RW-5	05/11/11	NS	59.73	ND	48.86	ND	NA	NA	NA	NS	
RW-5	05/19/11	NS	59.73	Heavy Sheen	46.92	Heavy Sheen	Pumped	0.10	9.90	NS	
RW-5	05/19/11	NS	59.73	ND	49.98	ND	NA	NA	NA	NS	
RW-5	05/24/11	NS	59.73	46.89	46.90	0.01	Pumped	0.10	9.90	NS	
RW-5	05/24/11	NS	59.73	ND	47.78	ND	NA	NA	NA	NS	
RW-5	06/02/11	NS	59.73	47.09	47.10	0.01	NA	NA	NA	NS	Sampled
RW-5	06/08/11	NS	59.73	47.05	47.08	0.03	Pumped	0.10	9.90	NS	
RW-5	06/08/11	NS	59.73	ND	48.63	ND	NA	NA	NA	NS	
RW-5	06/17/11	NS	59.73	47.08	47.10	0.02	Pumped	0.10	9.90	NS	
RW-5	06/17/11	NS	59.73	ND	48.52	ND	NA	NA	NA	NS	
RW-5	06/21/11	NS	59.73	47.02	47.05	0.03	Pumped	0.10	9.90	NS	
RW-5	06/21/11	NS	59.73	ND	49.10	ND	NA	NA	NA	NS	
RW-5	06/29/11	NS	59.73	47.18	47.19	0.01	Pumped	0.10	4.90	NS	
RW-5	06/29/11	NS	59.73	ND	48.52	ND	NA	NA	NA	NS	
RW-5	07/06/11	NS	59.73	47.23	47.25	0.02	NA	0.10	4.90	NS	
RW-5	07/06/11	NS	59.73	ND	48.45	ND	NA	NA	NA	NS	
RW-5	07/13/11	NS	59.73	47.22	47.25	0.03	NA	0.10	9.90	NS	
RW-5	07/13/11	NS	59.73	ND	49.31	ND	NA	NA	NA	NS	
RW-5	07/21/11	NS	59.73	47.23	47.24	0.01	NA	0.10	4.90	NS	
RW-5	07/21/11	NS	59.73	ND	47.66	ND	NA	NA	NA	NS	
RW-5	07/27/11	NS	59.73	47.26	47.28	0.02	Hand Bailed	0.10	9.90	NS	
RW-5	07/27/11	NS	59.73	ND	50.33	ND	NA	0.00	10.00	NS	
RW-5	08/03/11	NS	59.73	47.34	47.35	0.01	NA	0.10	4.90	NS	
RW-5	08/03/11	NS	59.73	ND	49.57	ND	NA	NA	NA	NS	
RW-5	08/11/11	NS	59.73	47.33	47.35	0.02	NA	0.10	4.90	NS	
RW-5	08/11/11	NS	59.73	ND	46.10	ND	NA	NA	NA	NS	
RW-5	08/17/11	NS	59.73	47.30	47.31	0.01	NA	0.10	9.90	NS	
RW-5	08/17/11	NS	59.73	ND	48.77	ND	NA	NA	NA	NS	
RW-5	08/24/11	NS	59.73	47.39	47.40	0.01	Hand Bailed	0.10	9.90	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	08/24/11	NS	59.73	ND	49.24	ND	NA	NA	NA	NS	
RW-5	08/30/11	NS	59.73	47.32	47.33	0.01	NA	0.10	4.90	NS	
RW-5	08/30/11	NS	59.73	ND	49.72	ND	NA	NA	NA	NS	
RW-5	09/07/11	NS	59.73	47.45	47.47	0.02	NA	0.10	4.90	NS	
RW-5	09/07/11	NS	59.73	ND	49.09	ND	NA	NA	NA	NS	
RW-5	09/14/11	NS	59.73	47.42	47.43	0.01	NA	0.10	4.90	NS	
RW-5	09/14/11	NS	59.73	ND	48.00	ND	NA	NA	NA	NS	
RW-5	09/21/11	NS	59.73	47.40	47.41	0.01	NA	0.10	4.90	NS	
RW-5	09/21/11	NS	59.73	ND	49.25	ND	NA	NA	NA	NS	
RW-5	09/28/11	NS	59.73	47.42	47.45	0.03	NA	0.10	4.90	NS	
RW-5	09/28/11	NS	59.73	ND	49.89	ND	NA	NA	NA	NS	
RW-5	10/05/11	NS	59.73	Heavy Sheen	47.38	Heavy Sheen	NA	0.10	9.90	NS	Clear at 3 gal
RW-5	10/05/11	NS	59.73	ND	48.81	ND	NA	NA	NA	NS	
RW-5	10/12/11	NS	59.73	47.43	47.45	0.02	NA	0.10	9.90	NS	Clear at 3 gal
RW-5	10/12/11	NS	59.73	ND	50.10	ND	NA	NA	NA	NS	
RW-5	10/18/11	NS	59.73	47.56	47.58	0.02	NA	0.10	9.90	NS	Clear at 3 gal
RW-5	10/18/11	NS	59.73	ND	48.90	ND	NA	NA	NA	NS	
RW-5	10/28/11	NS	59.73	47.56	47.58	0.02	NA	0.10	9.90	NS	
RW-5	10/28/11	NS	59.73	ND	50.53	ND	NA	NA	NA	NS	
RW-5	11/02/11	NS	59.73	47.45	47.46	0.01	Pumped	0.10	9.90	NS	Clear at 3 gal
RW-5	11/02/11	NS	59.73	ND	50.44	ND	NA	NA	NA	NS	
RW-5	11/09/11	NS	59.73	47.61	47.62	0.01	Hand Bailed	0.10	4.90	NS	Clear at 3 gal
RW-5	11/09/11	NS	59.73	ND	49.50	ND	NA	NA	NA	NS	
RW-5	11/18/11	NS	59.73	47.39	47.40	0.01	NA	0.10	4.90	NS	
RW-5	11/18/11	NS	59.73	ND	50.22	ND	NA	NA	NA	NS	
RW-5	11/23/11	NS	59.73	47.51	47.52	0.01	NA	0.10	9.90	NS	
RW-5	11/23/11	NS	59.73	ND	51.60	ND	NA	NA	NA	NS	
RW-5	11/29/11	NS	59.73	47.52	47.55	0.03	NA	NA	NA	NS	
RW-5	12/13/11	NS	59.73	47.38	47.39	0.01	NA	0.10	4.90	NS	
RW-5	12/13/11	NS	59.73	ND	50.40	ND	NA	NA	NA	NS	
RW-5	12/20/11	NS	59.73	47.46	47.51	0.05	NA	0.10	9.90	NS	
RW-5	12/20/11	NS	59.73	ND	50.12	ND	NA	NA	NA	NS	
RW-5	12/27/11	NS	59.73	47.45	47.46	0.01	NA	0.10	4.90	NS	
RW-5	12/27/11	NS	59.73	ND	49.01	ND	NA	NA	NA	NS	
RW-5	01/04/12	NS	59.73	47.50	47.51	0.01	NA	NA	NA	NS	
RW-5	01/13/12	NS	59.73	47.44	47.45	0.01	NA	NA	NA	NS	
RW-5	01/18/12	NS	59.73	47.41	47.42	0.01	Pumped	0.10	9.90	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	01/18/12	NS	59.73	ND	51.55	ND	NA	NA	NA	NS	
RW-5	01/27/12	NS	59.73	47.31	47.32	0.01		0.10	4.90	NS	
RW-5	01/27/12	NS	59.73	ND	49.64	ND	NA	NA	NA	NS	
RW-5	02/02/12	NS	59.73	47.28	47.29	0.01	NA	NA	NA	NS	
RW-5	02/08/12	NS	59.73	47.43	47.45	0.02		0.10	4.90	NS	
RW-5	02/08/12	NS	59.73	ND	49.51	ND	NA	NA	NA	NS	
RW-5	02/15/12	NS	59.73	47.35	47.36	0.01		0.10	4.90	NS	
RW-5	02/15/12	NS	59.73	ND	51.01	ND	NA	NA	NA	NS	
RW-5	02/23/12	NS	59.73	47.20	47.21	0.01	NA	NA	NA	NS	
RW-5	02/29/12	NS	59.73	47.35	47.36	0.01		0.10	9.90	NS	
RW-5	02/29/12	NS	59.73	ND	49.98	ND	NA	NA	NA	NS	
RW-5	03/06/12	NS	59.73	47.27	47.28	0.01		0.10	4.90	NS	
RW-5	03/06/12	NS	59.73	ND	48.63	ND	NA	NA	NA	NS	
RW-5	03/14/12	NS	59.73	47.37	47.40	0.03		0.10	4.90	NS	
RW-5	03/14/12	NS	59.73	ND	48.05	ND	NA	NA	NA	NS	
RW-5	03/21/12	NS	59.73	47.20	47.28	0.08		0.10	4.90	NS	
RW-5	03/21/12	NS	59.73	ND	48.24	ND	NA	NA	NA	NS	
RW-5	03/29/12	NS	59.73	47.27	47.33	0.06	Pump	0.10	9.90	NS	
RW-5	03/29/12	NS	59.73	ND	47.86	ND	NA	NA	NA	NS	
RW-5	04/03/12	NS	59.73	47.33	47.48	0.15	Pump	0.10	9.90	NS	
RW-5	04/03/12	NS	59.73	ND	51.09	ND	NA	NA	NA	NS	
RW-5	04/11/12	NS	59.73	47.30	47.45	0.15	Pump	0.10	9.90	NS	
RW-5	04/11/12	NS	59.73	ND	50.92	ND	NA	NA	NA	NS	
RW-5	04/20/12	NS	59.73	47.37	47.52	0.15	Pump	0.10	14.90	NS	
RW-5	04/20/12	NS	59.73	ND	51.48	ND	NA	NA	NA	NS	
RW-5	04/26/12	NS	59.73	47.43	47.46	0.03	Pump	0.10	14.90	NS	
RW-5	04/26/12	NS	59.73	ND	50.70	ND	NA	NA	NA	NS	
RW-5	05/02/12	NS	59.73	47.32	47.40	0.08		0.10	14.90	NS	
RW-5	05/02/12	NS	59.73	ND	48.69	ND	NA	NA	NA	NS	
RW-5	05/09/12	NS	59.73	47.46	47.56	0.10		0.10	14.90	NS	
RW-5	05/09/12	NS	59.73	ND	51.13	ND	NA	NA	NA	NS	
RW-5	05/16/12	NS	59.73	47.50	47.54	0.04		0.10	14.90	NS	
RW-5	05/16/12	NS	59.73	ND	52.00	ND	NA	NA	NA	NS	
RW-5	05/23/12	NS	59.73	47.59	47.61	0.02	NA	NA	NA	NS	
RW-5	05/29/12	NS	59.73	47.83	47.87	0.04		0.20	9.80	NS	
RW-5	05/29/12	NS	59.73	ND	49.57	ND	NA	NA	NA	NS	
RW-5	06/06/12	NS	59.73	47.91	47.98	0.07		0.10	9.90	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	06/06/12	NS	59.73	ND	49.97	ND	NA	NA	NA	NS	
RW-5	06/13/12	NS	59.73	48.18	48.23	0.05		0.10	9.90	NS	
RW-5	06/13/12	NS	59.73	ND	50.68	ND	NA	NA	NA	NS	
RW-5	06/19/12	NS	59.73	48.29	48.35	0.06	NA	NA	NA	NS	
RW-5	06/27/12	NS	59.73	48.48	48.54	0.06	NA	0.00	10.00	NS	
RW-5	06/27/12	NS	59.73	ND	50.75	ND	NA	NA	NA	NS	
RW-5	07/05/12	NS	59.73	48.67	48.71	0.04	NA	0.10	10.00	NS	
RW-5	07/05/12	NS	59.73	ND	52.10	ND	NA	NA	NA	NS	
RW-5	07/11/12	NS	59.73	48.76	48.83	0.07	NA	NA	NA	NS	
RW-5	07/11/12	NS	59.73	48.90	49.00	0.10	NA	NA	10.00	NS	
RW-5	07/18/12	NS	59.73	ND	51.95	ND	NA	NA	NA	NS	
RW-5	07/25/12	NS	59.73	48.88	49.54	0.66	NA	0.25	9.75	NS	
RW-5	07/25/12	NS	59.73	ND	52.32	ND	NA	NA	NA	NS	
RW-5	07/31/12	NS	59.73	48.92	50.20	1.28	NA	0.10	15.00	NS	
RW-5	07/31/12	NS	59.73	ND	52.35	ND	NA	NA	NA	NS	
RW-5	08/08/12	NS	59.73	48.8	50.88	2.08	NA	NA	NA	NS	
RW-5	08/13/12	NS	59.73	48.81	51.15	2.34	NA	2.00	18.00	NS	
RW-5	08/13/12	NS	59.73	ND	51.05	ND	NA	NA	NA	NS	
RW-5	08/20/12	NS	59.73	48.98	50.20	1.22	NA	NA	9.00	NS	
RW-5	08/20/12	NS	59.73	ND	52.03	ND	NA	NA	NA	NS	
RW-5	09/05/12	NS	59.73	48.79	51.10	2.31	NA	0.10	20.00	NS	
RW-5	09/05/12	NS	59.73	ND	52.51	ND	NA	NA	NA	NS	
RW-5	09/12/12	NS	59.73	ND	48.85	ND	NA	NA	NA	NS	
RW-5	09/19/12	NS	59.73	48.75	51.04	2.29	NA	1.00	14.00	NS	
RW-5	09/19/12	NS	59.73	ND	53.70	ND	NA	NA	NA	NS	
RW-5	09/25/12	NS	59.73	48.76	50.30	1.54	NA	1.00	19.00	NS	
RW-5	09/25/12	NS	59.73	ND	54.50	ND	NA	NA	NA	NS	
RW-5	10/02/12	NS	59.73	48.85	50.45	1.60	NA	1.00	14.00	NS	
RW-5	10/02/12	NS	59.73	ND	52.57	ND	NA	NA	NA	NS	
RW-5	10/10/12	NS	59.73	48.52	50.54	2.02	NA	0.10	15.00	NS	
RW-5	10/10/12	NS	59.73	ND	52.36	ND	NA	NA	NA	NS	
RW-5	10/16/12	NS	59.73	48.58	50.68	2.10	NA	2.00	18.00	NS	
RW-5	10/16/12	NS	59.73	ND	52.01	ND	NA	NA	NA	NS	
RW-5	10/24/12	NS	59.73	48.68	50.30	1.62	NA	NA	NA	NS	
RW-5	10/30/12	NS	59.73	48.78	50.20	1.42	NA	1.00	29.00	NS	
RW-5	10/30/12	NS	59.73	ND	58.48	ND	NA	NA	NA	NS	
RW-5	11/06/12	NS	59.73	48.81	50.33	1.52	NA	2.00	18.00	NS	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Vacuum to Jal 14" Mainline #3
 NMOCD NO.: 1R-455
 SRS #2003-00117
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
RW-5	11/06/12	NS	59.73	ND	52.35	ND	NA	NA	NA	NS	
RW-5	11/13/12	NS	59.73	48.75	51.05	2.30	NA	2.00	38.00	NS	
RW-5	11/13/12	NS	59.73	ND	53.40	ND	NA	NA	NA	NS	
RW-5	11/19/12	NS	59.73	48.80	50.55	1.75	NA	NA	NA	NS	
RW-5	12/05/12	NS	59.73	48.74	51.30	2.56	NA	3.00	12.00	NS	
RW-5	12/05/12	NS	59.73	ND	54.45	ND	NA	NA	NA	NS	
RW-5	12/11/12	NS	59.73	48.85	50.83	1.98	NA	NA	NA	NS	

NA: Not applicable
 ND: Not detected
 NS: Not surveyed
 NG: Not gauged

TABLE 3
2012 GROUNDWATER ANALYTICAL RESULTS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)
		NMOCD Remediation Criteria			
		0.01	0.750	0.750	0.620
MW-1	2/23/2012	NS	NS	NS	NS
MW-1	5/22/2012	2.2	<0.020	0.54	0.19
MW-1	9/12/2012	NS	NS	NS	NS
MW-1	11/19/2012	NS	NS	NS	NS
MW-2	2/23/2012	<0.001	<0.001	0.0018	<0.003
MW-2	5/23/2012	<0.001	<0.001	<0.001	<0.003
MW-2	9/12/2012	<0.001	<0.001	<0.001	<0.003
MW-2	11/19/2012	<0.001	<0.001	<0.001	<0.003
MW-3	2/23/2012	0.0024	<0.001	0.008	0.0015
MW-3	5/23/2012	0.022	0.0031	0.09	0.14
MW-3	9/12/2012	0.0014	<0.001	3.0	2.9 J
MW-3	11/19/2012	0.00051 J	<0.001	0.85 J	1.1 J
MW-4	2/23/2012	<0.001	<0.001	<0.001	<0.003
MW-4	5/23/2012	<0.001	<0.001	<0.001	<0.003
MW-4	9/12/2012	<0.001	<0.001	<0.001	<0.003
MW-4	11/19/2012	<0.001	<0.001	<0.001	<0.003
MW-5	2/23/2012	<0.001	<0.001	<0.001	<0.003
MW-5	5/23/2012	<0.001	<0.001	<0.001	<0.003
MW-5	9/12/2012	<0.001	<0.001	<0.001	<0.003
MW-5	11/19/2012	<0.001	<0.001	<0.001	<0.003
MW-6	2/23/2012	<0.001	<0.001	<0.001	<0.003
MW-6	5/23/2012	<0.001	<0.001	<0.001	<0.003
MW-6	9/12/2012	<0.001	<0.001	<0.001	<0.003
MW-6	11/19/2012	<0.001	<0.001	<0.001	<0.003
MW-7	2/23/2012	<0.001	<0.001	<0.001	<0.003
MW-7	5/23/2012	<0.001	<0.001	<0.001	<0.003
MW-7	9/12/2012	<0.001	<0.001	<0.001	<0.003
MW-7	11/19/2012	<0.001	<0.001	<0.001	<0.003
MW-8	2/23/2012	0.0011	<0.001	<0.001	<0.003
MW-8	5/23/2012	0.030	<0.001	0.0061	<0.003
MW-8	9/12/2012	<0.001	<0.001	<0.001	<0.003
MW-8	11/19/2012	<0.001	<0.001	<0.001	<0.003
RW-1	2/23/2012	NS	NS	NS	NS
RW-1	5/23/2012	0.084	0.0035	0.039	0.049
RW-1	9/12/2012	NS	NS	NS	NS
RW-1	11/19/2012	NS	NS	NS	NS

TABLE 3
2012 GROUNDWATER ANALYTICAL RESULTS

Plains Marketing, L.P.
 Vacuum to Jal 14" Mainline #3
 NMOCD NO.: 1R-455
 SRS #2003-00117
 Lea County, New Mexico

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)
		NMOCD Remediation Criteria			
		0.01	0.750	0.750	0.620
RW-2	2/23/2012	NS	NS	NS	NS
RW-2	5/23/2012	0.020	0.015	0.081	0.22
RW-2	9/12/2012	NS	NS	NS	NS
RW-2	11/19/2012	NS	NS	NS	NS
RW-3	2/23/2012	NS	NS	NS	NS
RW-3	5/23/2012	0.89	<0.010	0.21	0.26
RW-3	9/12/2012	NS	NS	NS	NS
RW-3	11/19/2012	NS	NS	NS	NS
RW-4	2/23/2012	NS	NS	NS	NS
RW-4	5/23/2012	0.060	0.0051	0.089	0.19
RW-4	9/12/2012	NS	NS	NS	NS
RW-4	11/19/2012	NS	NS	NS	NS
RW-5	2/23/2012	NS	NS	NS	NS
RW-5	5/23/2012	0.017	0.011	0.031	0.033
RW-5	9/12/2012	NS	NS	NS	NS
RW-5	11/19/2012	NS	NS	NS	NS

NMOCD: New Mexico Oil Conservation Division
 Exceedences of NMOCD Remediation Criteria are shown in **bold**

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01	0.75	0.75	0.62
MW-1	06/02/11	1106109-01	2.7	0.030	0.64	0.56
MW-1	02/23/12	NS	NS	NS	NS	NS
MW-1	05/22/12	12051130-01	2.2	<0.020	0.54	0.19
MW-1	09/12/12	NS	NS	NS	NS	NS
MW-1	11/19/12	NS	NS	NS	NS	NS
MW-2	03/28/06	T13037-1	0.243	0.00750	0.04570	0.09390
MW-2	06/15/06	T13863-1	0.333	0.00330 J	0.01960	0.01040
MW-2	09/12/06	T14672-1	0.178	<0.00020	0.01780	0.00940
MW-2	12/06/06	T15622-1	0.21400 ^a	<0.00020	0.01850	0.00800
MW-2	02/28/07	T16496-1	0.18600 ^a	<0.00020	0.01410	0.00150
MW-2	05/30/07	T17641-1	0.27000 ^a	<0.00023	0.01880	0.00290
MW-2	09/07/07	T18808-1	0.00210	<0.00023	<0.00035	0.00680
MW-2	11/13/07	T19744-1	<0.0005	<0.0005	<0.0005	<0.001
MW-2	02/28/08	T21043-1	<0.00021	<0.00023	<0.00035	0.00150 J
MW-2	05/20/08	T22267-2	0.27800 ^a	<0.00023	0.03200	0.0069 J
MW-2	08/20/08	T23512-1	0.01080	<0.0005	<0.0005	<0.001
MW-2	11/20/08	180209	0.176	<0.00100	0.00630	<0.00100
MW-2	02/18/09	9021907	0.117	<0.00100	<0.00100	<0.00100
MW-2	05/20/09	9052216	0.0357	<0.000188	0.00050 J	<0.000163
MW-2	08/27/09	9083116	0.0172	<0.000188	0.0011	<0.000163
MW-2	11/18/09	215423	0.0007 J	<0.000332	<0.00023	<0.000143
MW-2	02/09/10	222042	<0.000371	<0.000400	0.0012	<0.000379
MW-2	05/12/10	1005477-02	<0.001	<0.001	0.0041	<0.003
MW-2	08/26/10	1008902-01	<0.001	<0.001	0.0033	<0.003
MW-2	11/18/10	1011750-01	<0.001	<0.001	0.0036	<0.003
MW-2	02/23/11	1102702-01	<0.001	<0.001	0.0060	<0.003
MW-2	06/02/11	1106118-01	<0.001	<0.001	0.0090	<0.003
MW-2	08/30/11	11081012-01	<0.001	<0.001	0.0061	<0.003
MW-2	11/29/11	1111902-01	<0.001	<0.001	0.0015	<0.003
MW-2	02/23/12	120873-01	<0.001	<0.001	0.0018	<0.003
MW-2	05/23/12	12051130-02	<0.001	<0.001	<0.001	<0.003
MW-2	09/12/12	1209473-01	<0.001	<0.001	<0.001	<0.003
MW-2	11/19/12	1211764-01	<0.001	<0.001	<0.001	<0.003
MW-3	03/28/06	T13037-2	0.501	0.07580	0.05180	0.06270
MW-3	06/15/06	T13863-2	0.432	<0.0018	0.06030	0.04530
MW-3	09/12/06	T14672-2	0.0612	<0.00020	0.00490	<0.00036
MW-3	12/06/06	T15622-2	0.19000 ^a	0.00110	0.02470	0.00360
MW-3	02/28/07	T16496-2	0.05830	0.00054 J	0.00520	0.00360
MW-3	05/30/07	T17641-2	0.05620	<0.00023	0.00410	<0.00055
MW-3	09/07/07	T18808-2	<0.00021	<0.00023	0.00790	<0.00055
MW-3	11/13/07	T19744-2	<0.0005	<0.0005	<0.0005	<0.001
MW-3	02/28/08	T21043-2	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	05/20/08	T22267-3	0.74800 ^a	0.00030 J	0.06190	0.00084 J
MW-3	08/20/08	T23512-2	0.0459	<0.0005	0.0021	<0.001
MW-3	11/20/08	180210	0.0575	0.0268	0.0152	0.0875

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01	0.75	0.75	0.82
MW-3	02/18/09	9021907	0.0070	0.0025	<0.00100	<0.00100
MW-3	05/20/09	9052216	0.1660	0.1820	0.1050	0.2120
MW-3	08/27/09	9083116	0.0096	0.0248	0.0123	0.0189
MW-3	11/18/09	215424	0.0096	0.00700	0.0115	0.0184
MW-3	02/09/10	222043	<0.000371	<0.000400	0.0011	0.0007 J
MW-3	05/12/10	1005477-03	0.0170	<0.001	0.027	0.016
MW-3	08/26/10	1008902-02	0.0084	<0.001	0.0360	0.0250
MW-3	11/18/10	1011750-02	0.0030	<0.001	0.0046	0.00340
MW-3	02/23/11	1102702-02	0.0029	<0.001	0.0059	0.0047
MW-3	06/02/11	1106118-02	0.0130	<0.001	0.015	0.015
MW-3	08/30/11	11081012-02	0.0016	<0.001	0.0054	0.0071
MW-3	11/29/11	1111902-02	0.0041	<0.001	0.0079	0.014
MW-3	02/23/12	1202873-02	0.0024	<0.001	0.0080	0.0015
MW-3	05/23/12	12051130-03	0.022	0.0031	0.09	0.14
MW-3	09/12/12	1209473-02	0.0014	<0.001	0.0003	<0.003
MW-3	11/19/12	1209473-02	0.00051 J	<0.001	0.00085 J	0.011 J
MW-4	03/28/06	T13037-3	<0.00038	<0.00036	<0.00035	<0.00072
MW-4	06/15/06	T13863-3	<0.00038	<0.00036	<0.00035	<0.00072
MW-4	09/12/06	T14672-3	<0.00035	<0.00020	<0.00033	<0.00036
MW-4	12/06/06	T15622-3	<0.00035	<0.00020	<0.00033	<0.00036
MW-4	02/28/07	T16496-3	<0.00035	<0.00020	<0.00033	<0.00036
MW-4	05/30/07	T17641-3	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	09/07/07	T18808-3	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	11/13/07	T19744-3	<0.0005	<0.0005	<0.0005	<0.001
MW-4	02/28/08	T21043-3	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	05/20/08	T22267-4	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	08/20/08	T23512-3	<0.0005	<0.0005	<0.0005	<0.001
MW-4	11/20/08	180211	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	02/18/09	9021907	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	05/20/09	9052216	<0.000149	<0.000188	<0.000178	<0.000163
MW-4	08/27/09	9083116	<0.000149	<0.000188	<0.000178	<0.000163
MW-4	11/18/09	215425	<0.000160	<0.000332	<0.000230	<0.000143
MW-4	02/09/10	222044	<0.000371	<0.000400	<0.000430	<0.000379
MW-4	05/12/10	1005477-04	<0.001	<0.001	<0.001	<0.003
MW-4	08/26/10	1008902-03	<0.001	<0.001	<0.001	<0.003
MW-4	11/18/10	1011750-03	<0.001	<0.001	<0.001	<0.003
MW-4	02/23/11	1102702-03	<0.001	<0.001	<0.001	<0.003
MW-4	06/02/11	1106118-03	<0.001	<0.001	<0.001	<0.003
MW-4	08/30/11	11081012-03	<0.001	<0.001	<0.001	<0.003
MW-4	11/29/11	1111902-03	<0.001	<0.001	<0.001	<0.003
MW-4	02/23/12	1202873-03	<0.0010	<0.0010	<0.0010	<0.003
MW-4	05/23/12	12051130-04	<0.001	<0.001	<0.001	<0.003
MW-4	09/12/12	1209473-03	<0.001	<0.001	<0.001	<0.003
MW-4	11/19/12	1211764-03	<0.001	<0.001	<0.001	<0.003
MW-5	03/28/06	T13037-4	<0.00038	<0.00036	<0.00035	<0.00072

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01	0.75	0.75	0.62
MW-5	06/15/06	T13863-4	<0.00038	<0.00036	<0.00035	<0.00072
MW-5	09/12/06	T14672-4	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	12/06/06	T15622-4	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	02/28/07	T16496-4	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	05/30/07	T17641-4	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	09/07/07	T18808-4	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	11/13/07	T19744-4	<0.0005	<0.0005	<0.0005	<0.001
MW-5	02/28/08	T21043-4	<0.00021	<0.00023	0.00210	<0.00055
MW-5	05/20/08	T22267-5	0.00120	<0.00023	<0.00035	<0.00055
MW-5	08/20/08	T23512-4	<0.0005	<0.0005	<0.0005	<0.001
MW-5	11/20/08	180212	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	02/18/09	9021907	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	05/20/09	9052216	<0.000149	<0.000188	<0.000178	<0.000163
MW-5	08/27/09	9083116	<0.000149	<0.000188	<0.000178	<0.000163
MW-5	11/18/09	215426	<0.000160	<0.000332	<0.000230	<0.000143
MW-5	02/09/10	222045	<0.000208	<0.000208	0.0010	0.0013
MW-5	05/12/10	1005477-05	<0.001	<0.001	0.0018	<0.003
MW-5	08/26/10	1008902-04	<0.001	<0.001	<0.001	<0.003
MW-5	11/18/10	1011750-04	<0.001	<0.001	<0.001	<0.003
MW-5	02/23/11	1102702-04	<0.001	<0.001	<0.001	<0.003
MW-5	06/02/11	1106118-04	<0.001	<0.001	<0.001	<0.003
MW-5	08/30/11	11081012-04	<0.001	<0.001	<0.001	<0.003
MW-5	11/29/11	1111902-04	<0.001	<0.001	<0.001	<0.003
MW-5	02/23/12	1202873-04	<0.0010	<0.0010	<0.0010	<0.003
MW-5	05/23/12	12051130-05	<0.001	<0.001	<0.001	<0.003
MW-5	09/12/12	1209473-04	<0.001	<0.001	<0.001	<0.003
MW-5	11/19/12	1211764-04	<0.001	<0.001	<0.001	<0.003
MW-6	03/28/06	T13037-5	<0.00038	<0.00036	<0.00035	<0.00072
MW-6	06/15/06	T13863-5	<0.00038	<0.00036	<0.00035	<0.00072
MW-6	09/12/06	T14672-5	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	12/06/06	T15622-5	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	02/28/07	T16496-5	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	05/30/07	T17641-5	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	09/07/07	T18808-5	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	11/13/07	T19744-5	<0.0005	<0.0005	<0.0005	<0.001
MW-6	02/28/08	T21043-5	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	05/20/08	T22267-8	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	08/20/08	T23512-5	<0.0005	<0.0005	<0.0005	<0.001
MW-6	11/20/08	180213	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	02/18/09	9021907	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	05/20/09	9052216	<0.000149	<0.000188	<0.000178	0.0002 J
MW-6	08/27/09	9083116	<0.000149	<0.000188	<0.000178	<0.000163
MW-6	11/18/09	215427	<0.000160	<0.000332	<0.000230	<0.000143
MW-6	02/09/10	222046	<0.000208	<0.000208	<0.000303	<0.000326
MW-6	05/12/10	1005477-06	<0.001	<0.001	<0.001	<0.003
MW-6	08/26/10	1008902-05	<0.001	<0.001	<0.001	<0.003

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS

Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01	0.75	0.75	0.52
MW-6	11/18/10	1011750-05	<0.001	<0.001	<0.001	<0.003
MW-6	02/23/11	1102702-05	<0.001	<0.001	<0.001	<0.003
MW-6	06/02/11	1106118-05	<0.001	<0.001	<0.001	<0.003
MW-6	08/30/11	11081012-05	<0.001	<0.001	<0.001	<0.003
MW-6	11/29/11	1111902-05	<0.001	<0.001	<0.001	<0.003
MW-6	02/23/12	1202873-05	<0.001	<0.001	<0.001	<0.003
MW-6	05/23/12	12051130-06	<0.001	<0.001	<0.001	<0.003
MW-6	09/12/12	1209473-05	<0.001	<0.001	<0.001	<0.003
MW-6	11/19/12	1211764-05	<0.001	<0.001	<0.001	<0.003
MW-7	03/28/06	T13037-6	<0.00038	<0.00036	<0.00035	<0.00072
MW-7	06/15/06	T13863-6	<0.00038	<0.00036	<0.00035	<0.00072
MW-7	09/12/06	T14672-6	<0.00035	<0.00020	<0.00033	<0.00036
MW-7	12/06/06	T15622-6	<0.00035	<0.00020	<0.00033	<0.00036
MW-7	02/28/07	T16496-6	<0.00035	<0.00020	<0.00033	<0.00036
MW-7	05/30/07	T17641-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	09/07/07	T18808-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	11/13/07	T19744-6	<0.0005	<0.0005	<0.0005	<0.001
MW-7	02/28/08	T21043-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	05/20/08	T22267-7	0.00650	<0.00023 *	0.00060 J*	<0.00055 *
MW-7	08/20/08	T23512-6	0.00110	<0.0005	<0.0005	<0.001
MW-7	11/20/08	180214	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	02/18/09	187838	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	05/20/09	9052216	<0.000149	<0.000188	<0.000178	<0.000163
MW-7	08/27/09	9083116	<0.000149	<0.000188	<0.000178	<0.000163
MW-7	11/18/09	215428	<0.000160	<0.000332	<0.000230	<0.000143
MW-7	02/09/10	222047	<0.000208	<0.000208	<0.000303	<0.000326
MW-7	05/12/10	1005477-07	<0.001	<0.001	<0.001	<0.003
MW-7	08/26/10	1008902-06	<0.001	<0.001	<0.001	<0.003
MW-7	11/18/10	1011750-06	<0.001	<0.001	<0.001	<0.003
MW-7	02/23/11	1102702-06	<0.001	<0.001	<0.001	<0.003
MW-7	06/02/11	1106118-06	<0.001	<0.001	<0.001	<0.003
MW-7	08/30/11	11081012-06	<0.001	<0.001	<0.001	<0.003
MW-7	11/29/11	1111902-06	<0.001	<0.001	<0.001	<0.003
MW-7	02/23/12	1202873-06	<0.001	<0.001	<0.001	<0.003
MW-7	5/23/2012	12051130-07	<0.001	<0.001	<0.001	<0.003
MW-7	09/12/12	1209473-06	<0.001	<0.001	<0.001	<0.003
MW-7	11/19/12	1211764-06	<0.001	<0.001	<0.001	<0.003
MW-8	05/12/10	1005477-08	<0.001	<0.001	<0.001	<0.003
MW-8	08/26/10	1008902-07	<0.001	<0.001	<0.001	<0.003
MW-8	11/18/10	1011750-07	<0.001	<0.001	<0.001	<0.003
MW-8	02/23/11	1102702-07	<0.001	<0.001	<0.001	<0.003
MW-8	06/02/11	1106118-07	<0.001	<0.001	<0.001	<0.003
MW-8	08/30/11	11081012-07	0.0020	<0.001	<0.001	<0.003
MW-8	11/29/11	1111902-07	<0.001	<0.001	<0.001	<0.003
MW-8	02/23/12	1202873-07	0.0011	<0.001	<0.001	<0.003

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
NMOCD NO.: 1R-455
SRS #2003-00117
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01	0.75	0.75	0.62
MW-8	05/23/12	12051130-08	0.030	<0.001	0.0061	<0.003
MW-8	09/12/12	1209473-07	<0.001	<0.001	<0.001	<0.003
MW-8	11/19/12	1211764-07	<0.001	<0.001	<0.001	<0.003
RW-1	06/02/11	1106109-02	0.150	0.011	0.069	0.100
RW-1	02/23/12	NS	NS	NS	NS	NS
RW-1	05/23/12	12051130-09	0.084	0.0035	0.039	0.049
RW-1	09/12/12	NS	NS	NS	NS	NS
RW-1	11/19/12	NS	NS	NS	NS	NS
RW-2	06/02/11	1106109-03	0.0089	0.0013	0.0069	0.013
RW-2	02/23/12	NS	NS	NS	NS	NS
RW-2	05/23/12	12051130-10	0.020	0.015	0.081	0.22
RW-2	09/12/12	NS	NS	NS	NS	NS
RW-2	11/19/12	NS	NS	NS	NS	NS
RW-3	06/02/11	1106109-04	1.0	0.01	0.20	0.280
RW-3	02/23/12	NS	NS	NS	NS	NS
RW-3	05/23/12	12051130-11	0.89	<0.010	0.21	0.26
RW-3	09/12/12	NS	NS	NS	NS	NS
RW-3	11/19/12	NS	NS	NS	NS	NS
RW-4	06/02/11	1106109-05	0.1700	0.22	0.27	0.630
RW-4	02/23/12	NS	NS	NS	NS	NS
RW-4	05/23/12	12051130-12	0.060	0.0051	0.089	0.19
RW-4	09/12/12	NS	NS	NS	NS	NS
RW-4	11/19/12	NS	NS	NS	NS	NS
RW-5	06/02/11	1106109-06	0.0280	0.0066	0.0390	0.044
RW-5	02/23/12	NS	NS	NS	NS	NS
RW-5	05/23/12	12051130-13	0.017	0.011	0.031	0.033
RW-5	09/12/12	NS	NS	NS	NS	NS
RW-5	11/19/12	NS	NS	NS	NS	NS

NMOCD: New Mexico Oil Conservation Division

Exceedences of NMOCD Remediation Criteria are shown in **bold**

J: Analyte detected below method detection limit (MDL but above sample detection limit (SDL)

^a = Results from run 2 (dilution factor = 5)

* Values reported from run 2 as carry over was reported in run 1

TABLE 5
Groundwater Analytical Results for Detected
Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Monitoring Well	Sample Date	Lab Report #	Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benz[a]-anthracene	Chrysene	Benz[b]-fluoranthene	Benz[a]pyrene	Dibenz[a,h]-pyrene	Benz[a]fluoranthene	2-Methylnaphthalene	Total methyl-naphthalene	TPH-GRO (C8-C10)	TPH (C10-C20)	TPH (C20-C30)	
Units																							
Other regulatory limits (Tap Water)																							
MW-1	5/20/2008	T22301-1	150	<16	<15	35.5 J	<24	39.7 J	<18	<16	<11	<14	<13	<15	<16	NA	<13	<25	<16	28.5	41.5	137	NA
MW-1	5/20/2009	9052216	26	<0.0717	<0.133	2.02	<0.0812	2.68	<0.0819	<0.0892	<0.0465	<0.0307	<0.0926	<0.0640	<0.0513	3.03	<0.0566	<0.0637	<0.0776	44.5	6.82	17.8	NA
MW-1	5/12/2010	1005477-01	42	0.56	1.2	2.1	<0.2	4	<0.2	<0.2	<0.2	<0.2	0.5	<0.2	<0.2	NA	<0.2	NA	NA	NA	31	35	6.4
MW-1	5/23/2012	12051130-01	45	0.292	0.267	2.00	<0.0979	3.35	<0.0979	2.00	0.108	<0.0979	<0.0979	<0.0979	<0.0979	NA	<0.0979	<0.0979	NA	NA	NA	NA	NA
MW-2	12/7/2011	1112251-01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2	NA	NA	NA	NA	NA	NA
MW-3	12/7/2011	1112251-02	0.00023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2	NA	NA	NA	NA	NA	NA
MW-8	12/7/2011	111251-03	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2	NA	NA	NA	NA	NA	NA
RW-1	<0.2	T22301-2	34.5	<1.6	<1.5	5.1	<2.4	4.1 J	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	NA	<1.3	<2.5	<1.6	37.1	15.6	9.76	
RW-1	5/20/2009	9052216	205a	<0.756	<1.40	<0.560	<0.856	68.3	<0.863	<0.940	<0.490	<0.323	<0.975	<0.674	<0.541	51.9	<0.596	<0.671	<0.818	449a	874	2.22	60.8
RW-1	5/12/2010	1005477-09	24	0.43	<0.2	2.3	<0.2	4	<0.2	<0.2	<0.2	<0.2	0.49	<0.2	<0.2	NA	<0.2	NA	NA	NA	80	120	21
RW-1	5/23/2012	12051130-09	4.4	<0.0957	<0.0957	0.42	<0.0957	0.709	<0.0957	<0.0957	<0.0957	<0.0957	<0.0957	<0.0957	<0.0957	NA	<0.0957	<0.0957	NA	NA	N	N	N
Rw-2	5/20/2008	T22301-3	4.8 J	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	NA	<1.3	<2.5	<1.6	4.3 J	1.28	0.737	
RW-2	5/20/2009	9052216	25.7	<0.355	<0.657	<0.263	<0.402	8.6	<0.406	<0.442	<0.230	<0.152	<0.458	<0.317	<0.254	6.7	<0.280	<0.315	<0.384	44.2	87.9	2.81	56.5
RW-2	5/12/2010	1005477-10	38	<0.2	1.1	1.9	<0.2	4.7	0.4	<0.2	<0.2	<0.2	0.49	<0.2	<0.2	NA	<0.2	NA	NA	12	15	3.1	
RW-2	5/23/2012	12051130-10	<0.0965	0.465	0.375	2.53	<0.0965	5.1	0.464	0.189	0.226	<0.0965	0.57	<0.0965	<0.0965	NA	<0.0965	<0.0965	NA	NA	NA	NA	NA
RW-3	5/20/2008	T22301-4	23.1	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	NA	<1.3	<2.5	<1.6	20.1	15.5	2.92	
RW-3	5/20/2009	9052216	6.11	<0.0703	<0.130	0.63	<0.0797	0.77	<0.0803	<0.0875	<0.0456	<0.0301	<0.0908	<0.0627	<0.0503	0.877	<0.0555	<0.0624	<0.0761	4.23	10.64	1.56 J	<0.876
RW-3	5/12/2010	1005477-11	15	<0.2	<0.2	0.89	<0.2	1.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2	NA	NA	3.9	3.1	<0.48	
RW-3	5/23/2012	12051130-11	20.8	0.129	0.129	0.793	<0.0991	1.07	<0.0991	<0.0991	<0.0991	<0.0991	<0.0991	<0.0991	<0.0991	NA	<0.0991	<0.0991	NA	NA	NA	NA	NA
RW-4	5/12/2010	1005477-12	43	<0.2	0.4	2.1	<0.2	3.5	<0.2	<0.2	<0.2	<0.2	0.44	<0.2	<0.2	NA	<0.2	NA	NA	40	48	7.8	
RW-4	5/23/2012	12051130-12	17	0.236	0.26	1.51	<0.0962	3.26	<0.0962	<0.0962	0.104	<0.0962	0.295	<0.0962	<0.0962	NA	<0.0962	<0.0962	NA	NA	NA	NA	NA
RW-5	5/12/2010	1005477-13	9.6	<0.2	<0.2	0.74	<0.2	0.86	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2	<0.2	NA	7.8	3.8	<0.47	
RW-5	5/23/2012	12051130-13	7.76	0.364	0.203	1.57	<0.0962	3.44	<0.0962	<0.0962	<0.0962	<0.0962	0.349	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	NA	NA	NA	NA	NA

NMOCD: New Mexico Oil Conservation Division
Exceedences of NMOCD Remediation Criteria are shown in **bold**
J: Analyte detected below method detection limit (MDL) but above sample detection limit (SDL)
* Values reported from run 2 as carry over was reported in run 1
Tap Water*: New Mexico Environmental Department (NMED) Tap Water Soil screening levels for residential scenarios.
*** = NM Water Quality Standard for PAHs is 30µg/L for total naphthalenes plus monomethylnaphthalenes (total methylnaphthalenes)
** = NM Water Quality Standard
^a Estimated concentration value greater than standard range
NA: Not analyzed

TABLE 6
2012 MONTHLY FLUIDS RECOVERY DATA
Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #3
SRS #2003-00117
Lea County, New Mexico

Well	PSH Recovered (gallons)	Groundwater Recovered (gallons)	Total Fluids Recovered (gallons)
MW-1	0.6	49.5	50.1
RW1	8.7	231.7	240.4
RW2	0.5	39.7	40.2
RW3	3.2	182.4	185.6
RW4	3.7	387.1	390.8
RW5	17.65	461.75	479.4
Totals for 2012	34.35	1352.15	1386.5

Note: The above estimated gallons of total fluids (PSH and groundwater) include those pumped and manually bailed; these are estimates only.

2011 LABORATORY ANALYTICAL DATA

1st Quarter 2012 – Sample ID# 1202873

2nd Quarter 2012 – Sample ID# 12051130

3rd Quarter 2012 – Sample ID# 1209743

4th Quarter 2012 – Sample ID# 1211764

And

Appendix A - 2012 Chain of Custody Documentation



28-Feb-2012

Kathleen Buxton
EarthCon Consultants, Inc.
4800 Sugar Grove Blvd.
Suite 390
Houston, TX 77477

Tel: (281) 240-5200
Fax: (281) 240-5201

Re: Vac to Jal Mainline #3

Work Order: **1202873**

Dear Kathleen,

ALS Environmental received 8 samples on 24-Feb-2012 09:12 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 16.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Electronically approved by: Yvan K. Ty

Patricia L. Lynch
Project Manager



Certificate No: TX: T104704231-11-5



LS Environmental

Date: 28-Feb-12

Client: EarthCon Consultants, Inc.
Project: Vac to Jal Mainline #3
Work Order: 1202873

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1202873-01	MW2	Groundwater		2/23/2012 11:30	2/24/2012 09:12	☐
1202873-02	MW3	Groundwater		2/23/2012 11:40	2/24/2012 09:12	☐
1202873-03	MW4	Groundwater		2/23/2012 11:45	2/24/2012 09:12	☐
1202873-04	MW5	Groundwater		2/23/2012 11:50	2/24/2012 09:12	☐
1202873-05	MW6	Groundwater		2/23/2012 11:55	2/24/2012 09:12	☐
1202873-06	MW7	Groundwater		2/23/2012 12:00	2/24/2012 09:12	☐
1202873-07	MW8	Groundwater		2/23/2012 12:05	2/24/2012 09:12	☐
1202873-08	Trip Blank - 020112-22	Water		2/23/2012	2/24/2012 09:12	☒

ALS Environmental

Date: 29-Feb-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Work Order: 1202873

Case Narrative

A trip blank was received and placed on hold since it was not requested on the chain of custody.

LS Environmental

Date: 28-Feb-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Work Order: 1202873

Sample ID: MW2

Lab ID: 1202873-01

Collection Date: 2/23/2012 11:30 AM

Matrix: GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	ND		0.0010	mg/L	1	2/28/2012 07:42 AM
Toluene	ND		0.0010	mg/L	1	2/28/2012 07:42 AM
Ethylbenzene	0.0018		0.0010	mg/L	1	2/28/2012 07:42 AM
Xylenes, Total	ND		0.0030	mg/L	1	2/28/2012 07:42 AM
Surr: 4-Bromofluorobenzene	108		77-129	%REC	1	2/28/2012 07:42 AM
Surr: Trifluorotoluene	107		75-130	%REC	1	2/28/2012 07:42 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 28-Feb-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Work Order: 1202873

Sample ID: MW3

Lab ID: 1202873-02

Collection Date: 2/23/2012 11:40 AM

Matrix: GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	0.0024		0.0010	mg/L	1	2/28/2012 08:01 AM
Toluene	ND		0.0010	mg/L	1	2/28/2012 08:01 AM
Ethylbenzene	0.0080		0.0010	mg/L	1	2/28/2012 08:01 AM
Xylenes, Total	0.015		0.0030	mg/L	1	2/28/2012 08:01 AM
Surr: 4-Bromofluorobenzene	117		77-129	%REC	1	2/28/2012 08:01 AM
Surr: Trifluorotoluene	109		75-130	%REC	1	2/28/2012 08:01 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 28-Feb-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Sample ID: MW4

Collection Date: 2/23/2012 11:45 AM

Work Order: 1202873

Lab ID: 1202873-03

Matrix: GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	ND		0.0010	mg/L	1	2/28/2012 08:20 AM
Toluene	ND		0.0010	mg/L	1	2/28/2012 08:20 AM
Ethylbenzene	ND		0.0010	mg/L	1	2/28/2012 08:20 AM
Xylenes, Total	ND		0.0030	mg/L	1	2/28/2012 08:20 AM
Surr: 4-Bromofluorobenzene	109		77-129	%REC	1	2/28/2012 08:20 AM
Surr: Trifluorotoluene	109		75-130	%REC	1	2/28/2012 08:20 AM

ote: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 28-Feb-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Work Order: 1202873

Sample ID: MW5

Lab ID: 1202873-04

Collection Date: 2/23/2012 11:50 AM

Matrix: GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	ND		0.0010	mg/L	1	2/28/2012 08:38 AM
Toluene	ND		0.0010	mg/L	1	2/28/2012 08:38 AM
Ethylbenzene	ND		0.0010	mg/L	1	2/28/2012 08:38 AM
Xylenes, Total	ND		0.0030	mg/L	1	2/28/2012 08:38 AM
Surr: 4-Bromofluorobenzene	105		77-129	%REC	1	2/28/2012 08:38 AM
Surr: Trifluorotoluene	108		75-130	%REC	1	2/28/2012 08:38 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 28-Feb-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Work Order: 1202873

Sample ID: MW6

Lab ID: 1202873-05

Collection Date: 2/23/2012 11:55 AM

Matrix: GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	ND		0.0010	mg/L	1	2/28/2012 08:57 AM
Toluene	ND		0.0010	mg/L	1	2/28/2012 08:57 AM
Ethylbenzene	ND		0.0010	mg/L	1	2/28/2012 08:57 AM
Xylenes, Total	ND		0.0030	mg/L	1	2/28/2012 08:57 AM
Surr: 4-Bromofluorobenzene	107		77-129	%REC	1	2/28/2012 08:57 AM
Surr: Trifluorotoluene	105		75-130	%REC	1	2/28/2012 08:57 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental**Date:** 28-Feb-12**Client:** EarthCon Consultants, Inc.**Project:** Vac to Jal Mainline #3**Work Order:** 1202873**Sample ID:** MW7**Lab ID:** 1202873-06**Collection Date:** 2/23/2012 12:00 PM**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	ND		0.0010	mg/L	1	2/28/2012 09:53 AM
Toluene	ND		0.0010	mg/L	1	2/28/2012 09:53 AM
Ethylbenzene	ND		0.0010	mg/L	1	2/28/2012 09:53 AM
Xylenes, Total	ND		0.0030	mg/L	1	2/28/2012 09:53 AM
Surr: 4-Bromofluorobenzene	105		77-129	%REC	1	2/28/2012 09:53 AM
Surr: Trifluorotoluene	106		75-130	%REC	1	2/28/2012 09:53 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental**Date:** 28-Feb-12**Client:** EarthCon Consultants, Inc.**Project:** Vac to Jal Mainline #3**Sample ID:** MW8**Collection Date:** 2/23/2012 12:05 PM**Work Order:** 1202873**Lab ID:** 1202873-07**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	0.0011		0.0010	mg/L	1	2/28/2012 10:12 AM
Toluene	ND		0.0010	mg/L	1	2/28/2012 10:12 AM
Ethylbenzene	ND		0.0010	mg/L	1	2/28/2012 10:12 AM
Xylenes, Total	ND		0.0030	mg/L	1	2/28/2012 10:12 AM
Surr: 4-Bromofluorobenzene	109		77-129	%REC	1	2/28/2012 10:12 AM
Surr: Trifluorotoluene	108		75-130	%REC	1	2/28/2012 10:12 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 28-Feb-12

Client: EarthCon Consultants, Inc.

Work Order: 1202873

Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: **R124012** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **BBLKW2-120227-R124012** Units: **µg/L** Analysis Date: **2/28/2012 03:02 AM**

Client ID: Run ID: **BTEX1_120227C** SeqNo: **2701601** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 4-Bromofluorobenzene	32.37	1.0	30	0	108	77-129	0			
Surr: Trifluorotoluene	32.05	1.0	30	0	107	75-130	0			

LCS Sample ID: **BLCSW2-120227-R124012** Units: **µg/L** Analysis Date: **2/28/2012 02:24 AM**

Client ID: Run ID: **BTEX1_120227C** SeqNo: **2701599** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.62	1.0	20	0	93.1	77-126	0			
Toluene	18.75	1.0	20	0	93.8	80-124	0			
Ethylbenzene	19.1	1.0	20	0	95.5	76-125	0			
Xylenes, Total	56.85	3.0	60	0	94.7	79-124	0			
Surr: 4-Bromofluorobenzene	31.89	1.0	30	0	106	77-129	0			
Surr: Trifluorotoluene	32.5	1.0	30	0	108	75-130	0			

LCSD Sample ID: **BLCSDW2-120227-R124012** Units: **µg/L** Analysis Date: **2/28/2012 02:43 AM**

Client ID: Run ID: **BTEX1_120227C** SeqNo: **2701600** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.25	1.0	20	0	96.3	77-126	18.62	3.32	20	
Toluene	19.4	1.0	20	0	97	80-124	18.75	3.38	20	
Ethylbenzene	19.66	1.0	20	0	98.3	76-125	19.1	2.86	20	
Xylenes, Total	58.86	3.0	60	0	98.1	79-124	56.85	3.47	20	
Surr: 4-Bromofluorobenzene	32.98	1.0	30	0	110	77-129	31.89	3.35	20	
Surr: Trifluorotoluene	33.31	1.0	30	0	111	75-130	32.5	2.45	20	

MS Sample ID: **1202872-05AMS** Units: **µg/L** Analysis Date: **2/28/2012 06:46 AM**

Client ID: Run ID: **BTEX1_120227C** SeqNo: **2701612** Prep Date: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	408.5	5.0	100	316	92.5	77-126	0			
Toluene	90.84	5.0	100	0	90.8	80-124	0			
Ethylbenzene	90.82	5.0	100	0	90.8	76-125	0			
Xylenes, Total	307.6	15	300	24.78	94.3	79-124	0			
Surr: 4-Bromofluorobenzene	171.1	5.0	150	0	114	77-129	0			
Surr: Trifluorotoluene	174.1	5.0	150	0	116	75-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: EarthCon Consultants, Inc.
Work Order: 1202873
Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: **R124012** Instrument ID **BTEX1** Method: **SW8021B**

MSD		Sample ID: 1202872-05AMSD			Units: µg/L		Analysis Date: 2/28/2012 07:04 AM			
Client ID:		Run ID: BTEX1_120227C			SeqNo: 2701613		Prep Date:		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	421.2	5.0	100	316	105	77-126	408.5	3.07	20	
Toluene	107.1	5.0	100	0	107	80-124	90.84	16.5	20	
Ethylbenzene	107.7	5.0	100	0	108	76-125	90.82	17	20	
Xylenes, Total	352.6	15	300	24.78	109	79-124	307.6	13.6	20	
Surr: 4-Bromofluorobenzene	168.8	5.0	150	0	113	77-129	171.1	1.33	20	
Surr: Trifluorotoluene	169.1	5.0	150	0	113	75-130	174.1	2.9	20	

The following samples were analyzed in this batch:

1202873-01A	1202873-02A	1202873-03A
1202873-04A	1202873-05A	1202873-06A
1202873-07A		

Client: EarthCon Consultants, Inc.
Project: Vac to Jal Mainline #3
WorkOrder: 1202873

**QUALIFIERS,
ACRONYMS, UNITS****Qualifier Description**

*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym Description

DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Units Reported Description

mg/L	Milligrams per Liter
------	----------------------

ALS Environmental

Sample Receipt Checklist

Client Name: **PREMIER ENV**

Date/Time Received: **24-Feb-12 09:12**

Work Order: **1202873**

Received by: **PMG**

Checklist completed by *Parish M. Giga*
eSignature

24-Feb-12
Date

Reviewed by: *Hector Coronado*
eSignature

27-Feb-12
Date

Matrices: Groundwater

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	<u>2.1</u> <u>002</u>		
Cooler(s)/Kit(s):	<u>1414</u>		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☒
pH adjusted?	Yes ☐	No ☐	N/A ☒
pH adjusted by:	<u></u>		

Login Notes:

Client Contacted:

Date Contacted:

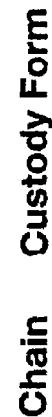
Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



Page 7 of 7

coc id: 55055

Environmental

1202873

PREMIER ENV: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

[illegible]

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.

2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.

Copyright 2011 by ALS Environmental.

**ALS Environmental**

10450 Standcliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5856
Fax. +1 281 530 5887

1414.

CUSTODY SEAL

Date: 2-23-12 Time: 17:30
Name: Mark Grubbs
Company: Earth Care

Seal Broken By: RDate: 2-24-12

2-23-12 FedEx Tracking Number 898941672229

Sender's Name Mark Grubbs Phone

Company Earth Care

Address 30 W. Industrial Way

City Madison State TX ZIP 79701

Our Internal Billing Reference 2050698 Inc 3



10-Jul-2012

Kathleen Buxton
EarthCon Consultants, Inc.
4800 Sugar Grove Blvd.
Suite 390
Houston, TX 77477

Tel: (281) 240-5200
Fax: (281) 240-5201

Re: Vac to Jal Mainline #3

Work Order: **12051130**

Dear Kathleen,

ALS Environmental received 14 samples on 25-May-2012 09:15 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 27.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Electronically approved by: Patricia L. Lynch

Patricia L. Lynch
Project Manager



Certificate No: TX: T104704231-12-10



www.alsglobal.com

RIGHT SOLUTIONS

LS Environmental

Date: 10-Jul-12

Client: EarthCon Consultants, Inc.
Project: Vac to Jal Mainline #3
Work Order: 12051130

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
12051130-01	MW1	Water		5/23/2012 15:50	5/25/2012 09:15	☐
12051130-02	MW2	Water		5/23/2012 16:35	5/25/2012 09:15	☐
12051130-03	MW3	Water		5/23/2012 17:10	5/25/2012 09:15	☐
12051130-04	MW4	Water		5/23/2012 17:55	5/25/2012 09:15	☐
12051130-05	MW5	Water		5/23/2012 17:35	5/25/2012 09:15	☐
12051130-06	MW6	Water		5/23/2012 18:15	5/25/2012 09:15	☐
12051130-07	MW7	Water		5/23/2012 17:45	5/25/2012 09:15	☐
12051130-08	MW8	Water		5/23/2012 17:20	5/25/2012 09:15	☐
12051130-09	RW1	Water		5/23/2012 18:30	5/25/2012 09:15	☐
12051130-10	RW2	Water		5/23/2012 16:50	5/25/2012 09:15	☐
12051130-11	RW3	Water		5/23/2012 18:45	5/25/2012 09:15	☐
12051130-12	RW4	Water		5/23/2012 18:35	5/25/2012 09:15	☐
12051130-13	RW5	Water		5/23/2012 16:20	5/25/2012 09:15	☐
12051130-14	Trip Blank	Water		5/23/2012	5/25/2012 09:15	☐

Client: EarthCon Consultants, Inc.
Project: Vac to Jal Mainline #3
Work Order: 12051130

Case Narrative

Recovery of the surrogate 2-fluorobiphenyl is above control limits in the 4-fold dilution of sample RW3 for PAHs. This surrogate is not associated with compounds reported from this dilution.

Recoveries of the surrogates 2-fluorobiphenyl and terphenyl-d15 are above control limits in the 5-fold dilution of sample RW4 for PAHs. These surrogates are not associated with compounds reported from this dilution.

The result for toluene in sample RW1 is qualified with P. This indicates possible matrix interference or co-elution on one of the two GC columns. The lower of the two results is reported.

Batch R128639, BTEX: The MS/MSD recoveries for xylenes are above the control limits in sample MW1. The associated LCS/LCSD recoveries and MS/MSD RPDs are in control. The MSD recovery for toluene is flagged due to significant figure.

LS Environmental

Date: 10-Jul-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Sample ID: MW1

Collection Date: 5/23/2012 03:50 PM

Work Order: 12051130

Lab ID: 12051130-01

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	2.2		0.020	mg/L	20	5/31/2012 03:27 AM
Toluene	ND		0.020	mg/L	20	5/31/2012 03:27 AM
Ethylbenzene	0.54		0.020	mg/L	20	5/31/2012 03:27 AM
Xylenes, Total	0.19		0.060	mg/L	20	5/31/2012 03:27 AM
Surr: 4-Bromofluorobenzene	123		75-129	%REC	20	5/31/2012 03:27 AM
Surr: Trifluorotoluene	89.7		75-130	%REC	20	5/31/2012 03:27 AM
LOW-LEVEL PAHS			SW8270		Prep Date: 5/29/2012	Analyst: LG
Acenaphthene	0.267		0.0979	µg/L	1	5/30/2012 03:46 AM
Acenaphthylene	0.292		0.0979	µg/L	1	5/30/2012 03:46 AM
Anthracene	ND		0.0979	µg/L	1	5/30/2012 03:46 AM
Benz(a)anthracene	ND		0.0979	µg/L	1	5/30/2012 03:46 AM
Benzo(a)pyrene	ND		0.0979	µg/L	1	5/30/2012 03:46 AM
Benzo(b)fluoranthene	ND		0.0979	µg/L	1	5/30/2012 03:46 AM
Benzo(g,h,i)perylene	ND		0.0979	µg/L	1	5/30/2012 03:46 AM
Benzo(k)fluoranthene	ND		0.0979	µg/L	1	5/30/2012 03:46 AM
Chrysene	ND		0.0979	µg/L	1	5/30/2012 03:46 AM
Dibenz(a,h)anthracene	ND		0.0979	µg/L	1	5/30/2012 03:46 AM
Fluoranthene	ND		0.0979	µg/L	1	5/30/2012 03:46 AM
Fluorene	2.00		0.0979	µg/L	1	5/30/2012 03:46 AM
Indeno(1,2,3-cd)pyrene	ND		0.0979	µg/L	1	5/30/2012 03:46 AM
Naphthalene	45.0		0.979	µg/L	10	5/31/2012 08:52 AM
Phenanthrene	3.35		0.0979	µg/L	1	5/30/2012 03:46 AM
Pyrene	0.108		0.0979	µg/L	1	5/30/2012 03:46 AM
Surr: 2-Fluorobiphenyl	99.9		40-125	%REC	1	5/30/2012 03:46 AM
Surr: 2-Fluorobiphenyl	114		40-125	%REC	10	5/31/2012 08:52 AM
Surr: 4-Terphenyl-d14	102		40-135	%REC	1	5/30/2012 03:46 AM
Surr: 4-Terphenyl-d14	110		40-135	%REC	10	5/31/2012 08:52 AM
Surr: Nitrobenzene-d5	92.1		41-120	%REC	1	5/30/2012 03:46 AM
Surr: Nitrobenzene-d5	60.5		41-120	%REC	10	5/31/2012 08:52 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 10-Jul-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Sample ID: MW2

Collection Date: 5/23/2012 04:35 PM

Work Order: 12051130

Lab ID: 12051130-02

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	ND		0.0010	mg/L	1	5/30/2012 08:15 AM
Toluene	ND		0.0010	mg/L	1	5/30/2012 08:15 AM
Ethylbenzene	ND		0.0010	mg/L	1	5/30/2012 08:15 AM
Xylenes, Total	ND		0.0030	mg/L	1	5/30/2012 08:15 AM
Surr: 4-Bromofluorobenzene	114		75-129	%REC	1	5/30/2012 08:15 AM
Surr: Trifluorotoluene	112		75-130	%REC	1	5/30/2012 08:15 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 10-Jul-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Sample ID: MW3

Collection Date: 5/23/2012 05:10 PM

Work Order: 12051130

Lab ID: 12051130-03

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	0.022		0.0010	mg/L	1	5/30/2012 08:33 AM
Toluene	0.0031		0.0010	mg/L	1	5/30/2012 08:33 AM
Ethylbenzene	0.090		0.0010	mg/L	1	5/30/2012 08:33 AM
Xylenes, Total	0.14		0.0030	mg/L	1	5/30/2012 08:33 AM
Surr: 4-Bromofluorobenzene	103		75-129	%REC	1	5/30/2012 08:33 AM
Surr: Trifluorotoluene	112		75-130	%REC	1	5/30/2012 08:33 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 10-Jul-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Sample ID: MW4

Collection Date: 5/23/2012 05:55 PM

Work Order: 12051130

Lab ID: 12051130-04

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	ND		0.0010	mg/L	1	5/30/2012 08:51 AM
Toluene	ND		0.0010	mg/L	1	5/30/2012 08:51 AM
Ethylbenzene	ND		0.0010	mg/L	1	5/30/2012 08:51 AM
Xylenes, Total	ND		0.0030	mg/L	1	5/30/2012 08:51 AM
Surr: 4-Bromofluorobenzene	108		75-129	%REC	1	5/30/2012 08:51 AM
Surr: Trifluorotoluene	111		75-130	%REC	1	5/30/2012 08:51 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental**Date:** 10-Jul-12**Client:** EarthCon Consultants, Inc.**Project:** Vac to Jal Mainline #3**Work Order:** 12051130**Sample ID:** MW5**Lab ID:** 12051130-05**Collection Date:** 5/23/2012 05:35 PM**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	ND		0.0010	mg/L	1	5/30/2012 09:43 AM
Toluene	ND		0.0010	mg/L	1	5/30/2012 09:43 AM
Ethylbenzene	ND		0.0010	mg/L	1	5/30/2012 09:43 AM
Xylenes, Total	ND		0.0030	mg/L	1	5/30/2012 09:43 AM
Surr: 4-Bromofluorobenzene	107		75-129	%REC	1	5/30/2012 09:43 AM
Surr: Trifluorotoluene	113		75-130	%REC	1	5/30/2012 09:43 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental**Date:** 10-Jul-12**Client:** EarthCon Consultants, Inc.**Project:** Vac to Jal Mainline #3**Sample ID:** MW6**Collection Date:** 5/23/2012 06:15 PM**Work Order:** 12051130**Lab ID:** 12051130-06**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	ND		0.0010	mg/L	1	5/30/2012 10:01 AM
Toluene	ND		0.0010	mg/L	1	5/30/2012 10:01 AM
Ethylbenzene	ND		0.0010	mg/L	1	5/30/2012 10:01 AM
Xylenes, Total	ND		0.0030	mg/L	1	5/30/2012 10:01 AM
Surr: 4-Bromofluorobenzene	110		75-129	%REC	1	5/30/2012 10:01 AM
Surr: Trifluorotoluene	113		75-130	%REC	1	5/30/2012 10:01 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 10-Jul-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Sample ID: MW7

Collection Date: 5/23/2012 05:45 PM

Work Order: 12051130

Lab ID: 12051130-07

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	ND		0.0010	mg/L	1	5/30/2012 10:18 AM
Toluene	ND		0.0010	mg/L	1	5/30/2012 10:18 AM
Ethylbenzene	ND		0.0010	mg/L	1	5/30/2012 10:18 AM
Xylenes, Total	ND		0.0030	mg/L	1	5/30/2012 10:18 AM
Surr: 4-Bromofluorobenzene	108		75-129	%REC	1	5/30/2012 10:18 AM
Surr: Trifluorotoluene	113		75-130	%REC	1	5/30/2012 10:18 AM

Vote: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 10-Jul-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Sample ID: MW8

Collection Date: 5/23/2012 05:20 PM

Work Order: 12051130

Lab ID: 12051130-08

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	0.030		0.0010	mg/L	1	5/30/2012 10:36 AM
Toluene	ND		0.0010	mg/L	1	5/30/2012 10:36 AM
Ethylbenzene	0.0061		0.0010	mg/L	1	5/30/2012 10:36 AM
Xylenes, Total	ND		0.0030	mg/L	1	5/30/2012 10:36 AM
Surr: 4-Bromofluorobenzene	106		75-129	%REC	1	5/30/2012 10:36 AM
Surr: Trifluorotoluene	114		75-130	%REC	1	5/30/2012 10:36 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 10-Jul-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Sample ID: RW1

Collection Date: 5/23/2012 06:30 PM

Work Order: 12051130

Lab ID: 12051130-09

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	0.084		0.0010	mg/L	1	5/30/2012 10:53 AM
Toluene	0.0035	P	0.0010	mg/L	1	5/30/2012 10:53 AM
Ethylbenzene	0.039		0.0010	mg/L	1	5/30/2012 10:53 AM
Xylenes, Total	0.049		0.0030	mg/L	1	5/30/2012 10:53 AM
Surr: 4-Bromofluorobenzene	113		75-129	%REC	1	5/30/2012 10:53 AM
Surr: Trifluorotoluene	117		75-130	%REC	1	5/30/2012 10:53 AM
LOW-LEVEL PAHS			SW8270		Prep Date: 5/29/2012	Analyst: LG
Acenaphthene	ND		0.0957	µg/L	1	5/30/2012 04:06 AM
Acenaphthylene	ND		0.0957	µg/L	1	5/30/2012 04:06 AM
Anthracene	ND		0.0957	µg/L	1	5/30/2012 04:06 AM
Benz(a)anthracene	ND		0.0957	µg/L	1	5/30/2012 04:06 AM
Benzo(a)pyrene	ND		0.0957	µg/L	1	5/30/2012 04:06 AM
Benzo(b)fluoranthene	ND		0.0957	µg/L	1	5/30/2012 04:06 AM
Benzo(g,h,i)perylene	ND		0.0957	µg/L	1	5/30/2012 04:06 AM
Benzo(k)fluoranthene	ND		0.0957	µg/L	1	5/30/2012 04:06 AM
Chrysene	ND		0.0957	µg/L	1	5/30/2012 04:06 AM
Dibenz(a,h)anthracene	ND		0.0957	µg/L	1	5/30/2012 04:06 AM
Fluoranthene	ND		0.0957	µg/L	1	5/30/2012 04:06 AM
Fluorene	0.420		0.0957	µg/L	1	5/30/2012 04:06 AM
Indeno(1,2,3-cd)pyrene	ND		0.0957	µg/L	1	5/30/2012 04:06 AM
Naphthalene	4.40		0.0957	µg/L	1	5/30/2012 04:06 AM
Phenanthrene	0.709		0.0957	µg/L	1	5/30/2012 04:06 AM
Pyrene	ND		0.0957	µg/L	1	5/30/2012 04:06 AM
Surr: 2-Fluorobiphenyl	125		40-125	%REC	1	5/30/2012 04:06 AM
Surr: 4-Terphenyl-d14	104		40-135	%REC	1	5/30/2012 04:06 AM
Surr: Nitrobenzene-d5	108		41-120	%REC	1	5/30/2012 04:06 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 10-Jul-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Sample ID: RW2

Collection Date: 5/23/2012 04:50 PM

Work Order: 12051130

Lab ID: 12051130-10

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	0.020		0.0010	mg/L	1	5/30/2012 11:11 AM
Toluene	0.015		0.0010	mg/L	1	5/30/2012 11:11 AM
Ethylbenzene	0.081		0.0010	mg/L	1	5/30/2012 11:11 AM
Xylenes, Total	0.22		0.0030	mg/L	1	5/30/2012 11:11 AM
Surr: 4-Bromofluorobenzene	103		75-129	%REC	1	5/30/2012 11:11 AM
Surr: Trifluorotoluene	123		75-130	%REC	1	5/30/2012 11:11 AM
LOW-LEVEL PAHS			SW8270		Prep Date: 5/29/2012	Analyst: LG
Acenaphthene	0.375		0.0965	µg/L	1	5/31/2012 02:43 AM
Acenaphthylene	0.465		0.0965	µg/L	1	5/31/2012 02:43 AM
Anthracene	0.464		0.0965	µg/L	1	5/31/2012 02:43 AM
Benz(a)anthracene	ND		0.0965	µg/L	1	5/31/2012 02:43 AM
Benzo(a)pyrene	ND		0.0965	µg/L	1	5/31/2012 02:43 AM
Benzo(b)fluoranthene	ND		0.0965	µg/L	1	5/31/2012 02:43 AM
Benzo(g,h,i)perylene	ND		0.0965	µg/L	1	5/31/2012 02:43 AM
Benzo(k)fluoranthene	ND		0.0965	µg/L	1	5/31/2012 02:43 AM
Chrysene	0.570		0.0965	µg/L	1	5/31/2012 02:43 AM
Dibenz(a,h)anthracene	ND		0.0965	µg/L	1	5/31/2012 02:43 AM
Fluoranthene	0.189		0.0965	µg/L	1	5/31/2012 02:43 AM
Fluorene	2.53		0.0965	µg/L	1	5/31/2012 02:43 AM
Indeno(1,2,3-cd)pyrene	ND		0.0965	µg/L	1	5/31/2012 02:43 AM
Naphthalene	ND		482	µg/L	5	5/31/2012 09:12 AM
Phenanthrene	5.10		0.0965	µg/L	1	5/31/2012 02:43 AM
Pyrene	0.226		0.0965	µg/L	1	5/31/2012 02:43 AM
Surr: 2-Fluorobiphenyl	119		40-125	%REC	1	5/31/2012 02:43 AM
Surr: 2-Fluorobiphenyl	105		40-125	%REC	5	5/31/2012 09:12 AM
Surr: 4-Terphenyl-d14	109		40-135	%REC	1	5/31/2012 02:43 AM
Surr: 4-Terphenyl-d14	109		40-135	%REC	5	5/31/2012 09:12 AM
Surr: Nitrobenzene-d5	110		41-120	%REC	1	5/31/2012 02:43 AM
Surr: Nitrobenzene-d5	71.3		41-120	%REC	5	5/31/2012 09:12 AM

ote: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 10-Jul-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Sample ID: RW3

Collection Date: 5/23/2012 06:45 PM

Work Order: 12051130

Lab ID: 12051130-11

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	0.89		0.010	mg/L	10	5/30/2012 11:28 AM
Toluene	ND		0.010	mg/L	10	5/30/2012 11:28 AM
Ethylbenzene	0.21		0.010	mg/L	10	5/30/2012 11:28 AM
Xylenes, Total	0.26		0.030	mg/L	10	5/30/2012 11:28 AM
Surr: 4-Bromofluorobenzene	117		75-129	%REC	10	5/30/2012 11:28 AM
Surr: Trifluorotoluene	115		75-130	%REC	10	5/30/2012 11:28 AM
LOW-LEVEL PAHS			SW8270		Prep Date: 5/29/2012	Analyst: LG
Acenaphthene	0.118		0.0991	µg/L	1	5/31/2012 03:02 AM
Acenaphthylene	0.129		0.0991	µg/L	1	5/31/2012 03:02 AM
Anthracene	ND		0.0991	µg/L	1	5/31/2012 03:02 AM
Benz(a)anthracene	ND		0.0991	µg/L	1	5/31/2012 03:02 AM
Benzo(a)pyrene	ND		0.0991	µg/L	1	5/31/2012 03:02 AM
Benzo(b)fluoranthene	ND		0.0991	µg/L	1	5/31/2012 03:02 AM
Benzo(g,h,i)perylene	ND		0.0991	µg/L	1	5/31/2012 03:02 AM
Benzo(k)fluoranthene	ND		0.0991	µg/L	1	5/31/2012 03:02 AM
Chrysene	ND		0.0991	µg/L	1	5/31/2012 03:02 AM
Dibenz(a,h)anthracene	ND		0.0991	µg/L	1	5/31/2012 03:02 AM
Fluoranthene	ND		0.0991	µg/L	1	5/31/2012 03:02 AM
Fluorene	0.793		0.0991	µg/L	1	5/31/2012 03:02 AM
Indeno(1,2,3-cd)pyrene	ND		0.0991	µg/L	1	5/31/2012 03:02 AM
Naphthalene	20.8		0.396	µg/L	4	6/2/2012 12:04 AM
Phenanthrene	1.07		0.0991	µg/L	1	5/31/2012 03:02 AM
Pyrene	ND		0.0991	µg/L	1	5/31/2012 03:02 AM
Surr: 2-Fluorobiphenyl	143	S	40-125	%REC	4	6/2/2012 12:04 AM
Surr: 2-Fluorobiphenyl	114		40-125	%REC	1	5/31/2012 03:02 AM
Surr: 4-Terphenyl-d14	125		40-135	%REC	4	6/2/2012 12:04 AM
Surr: 4-Terphenyl-d14	107		40-135	%REC	1	5/31/2012 03:02 AM
Surr: Nitrobenzene-d5	109		41-120	%REC	4	6/2/2012 12:04 AM
Surr: Nitrobenzene-d5	112		41-120	%REC	1	5/31/2012 03:02 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 10-Jul-12

Client: EarthCon Consultants, Inc.
Project: Vac to Jal Mainline #3
Sample ID: RW4
Collection Date: 5/23/2012 06:35 PM

Work Order: 12051130
Lab ID: 12051130-12
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	0.060		0.0010	mg/L	1	5/31/2012 03:45 AM
Toluene	0.0051		0.0010	mg/L	1	5/31/2012 03:45 AM
Ethylbenzene	0.089		0.0010	mg/L	1	5/31/2012 03:45 AM
Xylenes, Total	0.19		0.0030	mg/L	1	5/31/2012 03:45 AM
Surr: 4-Bromofluorobenzene	109		75-129	%REC	1	5/31/2012 03:45 AM
Surr: Trifluorotoluene	125		75-130	%REC	1	5/31/2012 03:45 AM
LOW-LEVEL PAHS			SW8270		Prep Date: 5/29/2012	Analyst: LG
Acenaphthene	0.236		0.0962	µg/L	1	5/31/2012 03:22 AM
Acenaphthylene	0.260		0.0962	µg/L	1	5/31/2012 03:22 AM
Anthracene	ND		0.0962	µg/L	1	5/31/2012 03:22 AM
Benz(a)anthracene	ND		0.0962	µg/L	1	5/31/2012 03:22 AM
Benzo(a)pyrene	ND		0.0962	µg/L	1	5/31/2012 03:22 AM
Benzo(b)fluoranthene	ND		0.0962	µg/L	1	5/31/2012 03:22 AM
Benzo(g,h,i)perylene	ND		0.0962	µg/L	1	5/31/2012 03:22 AM
Benzo(k)fluoranthene	ND		0.0962	µg/L	1	5/31/2012 03:22 AM
Chrysene	0.295		0.0962	µg/L	1	5/31/2012 03:22 AM
Dibenz(a,h)anthracene	ND		0.0962	µg/L	1	5/31/2012 03:22 AM
Fluoranthene	ND		0.0962	µg/L	1	5/31/2012 03:22 AM
Fluorene	1.51		0.0962	µg/L	1	5/31/2012 03:22 AM
Indeno(1,2,3-cd)pyrene	ND		0.0962	µg/L	1	5/31/2012 03:22 AM
Naphthalene	17.0		0.481	µg/L	5	6/2/2012 12:24 AM
Phenanthrene	3.26		0.0962	µg/L	1	5/31/2012 03:22 AM
Pyrene	0.104		0.0962	µg/L	1	5/31/2012 03:22 AM
Surr: 2-Fluorobiphenyl	104		40-125	%REC	1	5/31/2012 03:22 AM
Surr: 2-Fluorobiphenyl	134	S	40-125	%REC	5	6/2/2012 12:24 AM
Surr: 4-Terphenyl-d14	114		40-135	%REC	1	5/31/2012 03:22 AM
Surr: 4-Terphenyl-d14	135	S	40-135	%REC	5	6/2/2012 12:24 AM
Surr: Nitrobenzene-d5	115		41-120	%REC	1	5/31/2012 03:22 AM
Surr: Nitrobenzene-d5	69.4		41-120	%REC	5	6/2/2012 12:24 AM

ote: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 10-Jul-12

Client: EarthCon Consultants, Inc.

Project: Vac to Jal Mainline #3

Sample ID: RW5

Collection Date: 5/23/2012 04:20 PM

Work Order: 12051130

Lab ID: 12051130-13

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			SW8021B			Analyst: SMA
Benzene	0.017		0.0010	mg/L	1	5/30/2012 12:04 PM
Toluene	0.011		0.0010	mg/L	1	5/30/2012 12:04 PM
Ethylbenzene	0.031		0.0010	mg/L	1	5/30/2012 12:04 PM
Xylenes, Total	0.033		0.0030	mg/L	1	5/30/2012 12:04 PM
Surr: 4-Bromofluorobenzene	121		75-129	%REC	1	5/30/2012 12:04 PM
Surr: Trifluorotoluene	76.8		75-130	%REC	1	5/30/2012 12:04 PM
LOW-LEVEL PAHS			SW8270		Prep Date: 5/29/2012	Analyst: LG
Acenaphthene	0.203		0.0962	µg/L	1	5/31/2012 03:41 AM
Acenaphthylene	0.364		0.0962	µg/L	1	5/31/2012 03:41 AM
Anthracene	ND		0.0962	µg/L	1	5/31/2012 03:41 AM
Benz(a)anthracene	ND		0.0962	µg/L	1	5/31/2012 03:41 AM
Benzo(a)pyrene	ND		0.0962	µg/L	1	5/31/2012 03:41 AM
Benzo(b)fluoranthene	ND		0.0962	µg/L	1	5/31/2012 03:41 AM
Benzo(g,h,i)perylene	ND		0.0962	µg/L	1	5/31/2012 03:41 AM
Benzo(k)fluoranthene	ND		0.0962	µg/L	1	5/31/2012 03:41 AM
Chrysene	0.349		0.0962	µg/L	1	5/31/2012 03:41 AM
Dibenz(a,h)anthracene	ND		0.0962	µg/L	1	5/31/2012 03:41 AM
Fluoranthene	ND		0.0962	µg/L	1	5/31/2012 03:41 AM
Fluorene	1.57		0.0962	µg/L	1	5/31/2012 03:41 AM
Indeno(1,2,3-cd)pyrene	ND		0.0962	µg/L	1	5/31/2012 03:41 AM
Naphthalene	7.76		0.0962	µg/L	1	5/31/2012 03:41 AM
Phenanthrene	3.44		0.0962	µg/L	1	5/31/2012 03:41 AM
Pyrene	ND		0.0962	µg/L	1	5/31/2012 03:41 AM
Surr: 2-Fluorobiphenyl	117		40-125	%REC	1	5/31/2012 03:41 AM
Surr: 4-Terphenyl-d14	114		40-135	%REC	1	5/31/2012 03:41 AM
Surr: Nitrobenzene-d5	95.8		41-120	%REC	1	5/31/2012 03:41 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 10-Jul-12

Client: EarthCon Consultants, Inc.

Order: 12051130

Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: R128639 Instrument ID BTEX3 Method: SW8021B

MBLK Sample ID: BBLKW2-120529-R128639 Units: µg/L Analysis Date: 5/30/2012 06:47 AM

Client ID: Run ID: BTEX3_120529C SeqNo: 2800064 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 4-Bromofluorobenzene	32.79	1.0	30	0	109	75-129	0			
Surr: Trifluorotoluene	34.09	1.0	30	0	114	75-130	0			

LCS Sample ID: BLCBW2-120529-R128639 Units: µg/L Analysis Date: 5/30/2012 06:12 AM

Client ID: Run ID: BTEX3_120529C SeqNo: 2800062 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.61	1.0	20	0	98	75-126	0			
Toluene	20.49	1.0	20	0	102	75-125	0			
Ethylbenzene	20.45	1.0	20	0	102	75-125	0			
Xylenes, Total	61.65	3.0	60	0	103	75-125	0			
Surr: 4-Bromofluorobenzene	32.79	1.0	30	0	109	75-129	0			
Surr: Trifluorotoluene	34.01	1.0	30	0	113	75-130	0			

LCSD Sample ID: BLCSDW2-120529-R128639 Units: µg/L Analysis Date: 5/30/2012 06:29 AM

Client ID: Run ID: BTEX3_120529C SeqNo: 2800063 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.03	1.0	20	0	100	75-126	19.61	2.12	20	
Toluene	21.11	1.0	20	0	106	75-125	20.49	2.98	20	
Ethylbenzene	21.01	1.0	20	0	105	75-125	20.45	2.71	20	
Xylenes, Total	63.11	3.0	60	0	105	75-125	61.65	2.33	20	
Surr: 4-Bromofluorobenzene	32.43	1.0	30	0	108	75-129	32.79	1.09	20	
Surr: Trifluorotoluene	33.98	1.0	30	0	113	75-130	34.01	0.108	20	

MS Sample ID: 12051130-01ZMS Units: µg/L Analysis Date: 5/30/2012 07:40 AM

Client ID: MW1 Run ID: BTEX3_120529C SeqNo: 2800066 Prep Date: DF: 50

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	3461	50	1000	2301	116	75-126	0			
Toluene	1235	50	1000	0	124	75-125	0			
Ethylbenzene	1722	50	1000	742.7	98	75-125	0			
Xylenes, Total	3883	150	3000	0	129	75-125	0			S
Surr: 4-Bromofluorobenzene	1634	50	1500	0	109	75-129	0			
Surr: Trifluorotoluene	1725	50	1500	0	115	75-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: EarthCon Consultants, Inc.
 Work Order: 12051130
 Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: R128639 Instrument ID BTEX3 Method: SW8021B

MSD	Sample ID: 12051130-01ZMSD	Units: µg/L			Analysis Date: 5/30/2012 07:58 AM					
Client ID: MW1	Run ID: BTEX3_120529C	SeqNo: 2800067			Prep Date:		DF: 50			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	3469	50	1000	2301	117	77-126	3461	0.248	20	
Toluene	1250	50	1000	0	125	75-125	1235	1.2	20	S
Ethylbenzene	1746	50	1000	742.7	100	76-125	1722	1.37	20	
Xylenes, Total	3938	150	3000	0	131	75-125	3883	1.41	20	S
Surr: 4-Bromofluorobenzene	1658	50	1500	0	111	75-129	1634	1.43	20	
Surr: Trifluorotoluene	1733	50	1500	0	116	75-130	1725	0.453	20	

The following samples were analyzed in this batch:

12051130-02A	12051130-03A	12051130-04A
12051130-05A	12051130-06A	12051130-07A
12051130-08A	12051130-09A	12051130-10A
12051130-11A	12051130-13A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: EarthCon Consultants, Inc.
 Work Order: 12051130
 Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: **R128705** Instrument ID **BTEX1** Method: **SW8021B**

MBLK	Sample ID: BBLKW2-120530-R128705			Units: µg/L			Analysis Date: 5/30/2012 10:25 PM			
Client ID:	Run ID: BTEX1_120530D			SeqNo: 2801871			Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 4-Bromofluorobenzene	32.28	1.0	30	0	108	75-129	0			
Surr: Trifluorotoluene	29.29	1.0	30	0	97.6	75-130	0			

LCS	Sample ID: BLCSW2-120530-R128705			Units: µg/L			Analysis Date: 5/30/2012 09:49 PM			
Client ID:	Run ID: BTEX1_120530D			SeqNo: 2801869			Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.88	1.0	20	0	99.4	75-126	0			
Toluene	19.49	1.0	20	0	97.5	75-125	0			
Ethylbenzene	19.19	1.0	20	0	95.9	75-125	0			
Xylenes, Total	57.02	3.0	60	0	95	75-125	0			
Surr: 4-Bromofluorobenzene	32.38	1.0	30	0	108	75-129	0			
Surr: Trifluorotoluene	30.19	1.0	30	0	101	75-130	0			

LCSD	Sample ID: BLCSDW2-120530-R128705			Units: µg/L			Analysis Date: 5/30/2012 10:07 PM			
Client ID:	Run ID: BTEX1_120530D			SeqNo: 2801870			Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.78	1.0	20	0	98.9	75-126	19.88	0.51	20	
Toluene	19.36	1.0	20	0	96.8	75-125	19.49	0.651	20	
Ethylbenzene	19.07	1.0	20	0	95.4	75-125	19.19	0.597	20	
Xylenes, Total	56.66	3.0	60	0	94.4	75-125	57.02	0.63	20	
Surr: 4-Bromofluorobenzene	32.86	1.0	30	0	110	75-129	32.38	1.46	20	
Surr: Trifluorotoluene	30.67	1.0	30	0	102	75-130	30.19	1.56	20	

MS	Sample ID: 12051129-01AMS			Units: µg/L			Analysis Date: 5/31/2012 02:33 AM			
Client ID:	Run ID: BTEX1_120530D			SeqNo: 2801883			Prep Date:		DF: 50	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1588	50	1000	548.5	104	75-126	0			
Toluene	2553	50	1000	1462	109	75-125	0			
Ethylbenzene	1608	50	1000	595.8	101	75-125	0			
Xylenes, Total	4504	150	3000	1527	99.2	75-125	0			
Surr: 4-Bromofluorobenzene	1682	50	1500	0	112	75-129	0			
Surr: Trifluorotoluene	1497	50	1500	0	99.8	75-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: EarthCon Consultants, Inc.
Work Order: 12051130
Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: **R128705** Instrument ID **BTEX1** Method: **SW8021B**

MSD Sample ID: **12051129-01AMSD** Units: **µg/L** Analysis Date: **5/31/2012 02:51 AM**

Client ID: Run ID: **BTEX1_120530D** SeqNo: **2801884** Prep Date: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1566	50	1000	548.5	102	77-126	1588	1.36	20	
Toluene	2505	50	1000	1462	104	75-125	2553	1.89	20	
Ethylbenzene	1599	50	1000	595.8	100	76-125	1608	0.575	20	
Xylenes, Total	4478	150	3000	1527	98.4	75-125	4504	0.582	20	
Surr: 4-Bromofluorobenzene	1693	50	1500	0	113	75-129	1682	0.641	20	
Surr: Trifluorotoluene	1490	50	1500	0	99.3	75-130	1497	0.434	20	

The following samples were analyzed in this batch:

12051130-01A	12051130-12A
--------------	--------------

Client: EarthCon Consultants, Inc.
Work Order: 12051130
Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: **61451** Instrument ID **SV-6** Method: **SW8270**

MBLK Sample ID: **SBLKL1-120529-61451** Units: **µg/L** Analysis Date: **5/29/2012 11:34 PM**

Client ID: Run ID: **SV-6_120529C** SeqNo: **2806277** Prep Date: **5/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	0.10								
Acenaphthylene	ND	0.10								
Anthracene	ND	0.10								
Benz(a)anthracene	ND	0.10								
Benzo(a)pyrene	ND	0.10								
Benzo(b)fluoranthene	ND	0.10								
Benzo(g,h,i)perylene	ND	0.10								
Benzo(k)fluoranthene	ND	0.10								
Chrysene	ND	0.10								
Dibenz(a,h)anthracene	ND	0.10								
Fluoranthene	ND	0.10								
Fluorene	ND	0.10								
Indeno(1,2,3-cd)pyrene	ND	0.10								
Naphthalene	ND	0.10								
Phenanthrene	ND	0.10								
Pyrene	ND	0.10								
Surr: 2-Fluorobiphenyl	3.774	0.10	3.03	0	125	40-125	0			
Surr: 4-Terphenyl-d14	2.938	0.10	3.03	0	97	40-135	0			
Surr: Nitrobenzene-d5	3.619	0.10	3.03	0	119	41-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: EarthCon Consultants, Inc.
 Work Order: 12051130
 Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: 61451 Instrument ID SV-6 Method: SW8270

LCS Sample ID: SLCSL1-120529-61451 Units: µg/L Analysis Date: 5/29/2012 10:55 PM

Client ID: Run ID: SV-6_120529C SeqNo: 2806275 Prep Date: 5/29/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	3.225	0.10	3.03	0	106	40-140	0			
Acenaphthylene	3.388	0.10	3.03	0	112	40-140	0			
Anthracene	3.517	0.10	3.03	0	116	40-140	0			
Benz(a)anthracene	2.88	0.10	3.03	0	95	40-140	0			
Benzo(a)pyrene	2.845	0.10	3.03	0	93.9	40-140	0			
Benzo(b)fluoranthene	2.783	0.10	3.03	0	91.9	40-140	0			
Benzo(g,h,i)perylene	2.469	0.10	3.03	0	81.5	40-140	0			
Benzo(k)fluoranthene	2.893	0.10	3.03	0	95.5	40-140	0			
Chrysene	2.843	0.10	3.03	0	93.8	40-140	0			
Dibenz(a,h)anthracene	2.606	0.10	3.03	0	86	40-140	0			
Fluoranthene	3.185	0.10	3.03	0	105	40-140	0			
Fluorene	3.051	0.10	3.03	0	101	40-140	0			
Indeno(1,2,3-cd)pyrene	2.667	0.10	3.03	0	88	40-140	0			
Naphthalene	3.222	0.10	3.03	0	106	40-140	0			
Phenanthrene	3.205	0.10	3.03	0	106	40-140	0			
Pyrene	3.072	0.10	3.03	0	101	40-140	0			
2-Fluorobiphenyl	3.673	0.10	3.03	0	121	40-125	0			
Surr: 4-Terphenyl-d14	3.091	0.10	3.03	0	102	40-135	0			
Surr: Nitrobenzene-d5	3.286	0.10	3.03	0	108	41-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: EarthCon Consultants, Inc.
 Work Order: 12051130
 Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: 61451 Instrument ID SV-6 Method: SW8270

LCSD Sample ID: SLCSDL1-120529-61451 Units: µg/L Analysis Date: 5/29/2012 11:14 PM

Client ID: Run ID: SV-6_120529C SeqNo: 2806276 Prep Date: 5/29/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	3.205	0.10	3.03	0	106	40-140	3.225	0.63	25	
Acenaphthylene	3.349	0.10	3.03	0	111	40-140	3.388	1.16	25	
Anthracene	3.401	0.10	3.03	0	112	40-140	3.517	3.36	25	
Benz(a)anthracene	3.057	0.10	3.03	0	101	40-140	2.88	5.97	25	
Benzo(a)pyrene	3.088	0.10	3.03	0	102	40-140	2.845	8.17	25	
Benzo(b)fluoranthene	2.936	0.10	3.03	0	96.9	40-140	2.783	5.33	25	
Benzo(g,h,i)perylene	2.71	0.10	3.03	0	89.4	40-140	2.469	9.33	25	
Benzo(k)fluoranthene	3.226	0.10	3.03	0	106	40-140	2.893	10.9	25	
Chrysene	3.037	0.10	3.03	0	100	40-140	2.843	6.59	25	
Dibenz(a,h)anthracene	2.945	0.10	3.03	0	97.2	40-140	2.606	12.2	25	
Fluoranthene	3.286	0.10	3.03	0	108	40-140	3.185	3.14	25	
Fluorene	3.035	0.10	3.03	0	100	40-140	3.051	0.53	25	
Indeno(1,2,3-cd)pyrene	2.848	0.10	3.03	0	94	40-140	2.667	6.57	25	
Naphthalene	3.227	0.10	3.03	0	106	40-140	3.222	0.148	25	
Phenanthrene	3.225	0.10	3.03	0	106	40-140	3.205	0.598	25	
Pyrene	3.17	0.10	3.03	0	105	40-140	3.072	3.16	25	
Surr: 2-Fluorobiphenyl	3.667	0.10	3.03	0	121	40-125	3.673	0.175	25	
Surr: 4-Terphenyl-d14	3.153	0.10	3.03	0	104	40-135	3.091	1.98	25	
Surr: Nitrobenzene-d5	3.195	0.10	3.03	0	105	41-120	3.286	2.8	25	

The following samples were analyzed in this batch:

12051130-01B	12051130-09B	12051130-10B
12051130-11B	12051130-12B	12051130-13B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: EarthCon Consultants, Inc.
Project: Vac to Jal Mainline #3
WorkOrder: 12051130

QUALIFIERS, ACRONYMS, UNITS

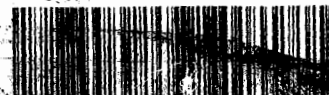
<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
SQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter
mg/L	Milligrams per Liter

 ALS Environmental 10450 Standstill Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 630 5555 Fax. +1 281 630 5557	CUSTODY SEAL		Signed Broken By: 	
	Date: <u>5-24-12</u>	To: <u>ALS</u>		
	Name: <u>ALS</u>	From: <u>ALS</u>		
	Company: <u>ALS</u>	Company: <u>ALS</u>		

FedEx NEW Package Express US Airbill		8996 5266 6582
This portion can be returned for recipient's records		
Date: <u>5-24-12</u>	Tracking Number: <u>899652666582</u>	
Name: <u>SHANE DILLER</u>	Phone: <u></u>	
Company: <u>Environ</u>	Address: <u>30 W. Industrial Loop I</u>	

FedEx 8996 5266 6711	FRI - 25 MAY A2 PRIORITY OVERNIGHT 77099 IAH	79701
AB SGRA		
		

 ALS Environmental 10450 Standstill Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 630 5555 Fax. +1 281 630 5557	CUSTODY SEAL		Signed Broken By: 	
	Date: <u>5-24-12</u>	To: <u>ALS</u>		
	Name: <u>ALS</u>	From: <u>ALS</u>		
	Company: <u>ALS</u>	Company: <u>ALS</u>		



20-Sep-2012

Kathleen Buxton
Entech Consulting Corp.
21 Waterway Avenue
Suite 300
The Woodlands, TX 77380

Tel: (979) 997-2338
Fax: (281) 362-2704

Re: Vac to Jal Mainline #3

Work Order: **1209473**

Dear Kathleen,

ALS Environmental received 8 samples on 14-Sep-2012 09:10 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 18.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Electronically approved by: Jumoke M. Lawal

Patricia L. Lynch
Project Manager



Certificate No: TX: T104704231-12-10



www.alsglobal.com

RIGHT SOLUTIONS

LS Environmental

Date: 20-Sep-12

Client: Entech Consulting Corp.
Project: Vac to Jal Mainline #3
Work Order: 1209473

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1209473-01	MW 2	Water		9/12/2012 12:45	9/14/2012 09:10	☐
1209473-02	MW 3	Water		9/12/2012 12:20	9/14/2012 09:10	☐
1209473-03	MW 4	Water		9/12/2012 12:50	9/14/2012 09:10	☐
1209473-04	MW 5	Water		9/12/2012 12:35	9/14/2012 09:10	☐
1209473-05	MW 6	Water		9/12/2012 12:15	9/14/2012 09:10	☐
1209473-06	MW 7	Water		9/12/2012 12:25	9/14/2012 09:10	☐
1209473-07	MW 8	Water		9/12/2012 12:40	9/14/2012 09:10	☐
1209473-08	Trip Blank 082012-79	Water		9/12/2012	9/14/2012 09:10	☐

ALS Environmental

Date: 20-Sep-12

Client: Entech Consulting Corp.

Project: Vac to Jal Mainline #3

Work Order: 1209473

Case Narrative

No Exceptions

LS Environmental

Date: 20-Sep-12

Client: Entech Consulting Corp.

Project: Vac to Jal Mainline #3

Sample ID: MW 2

Collection Date: 9/12/2012 12:45 PM

Work Order: 1209473

Lab ID: 1209473-01

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX BY SW8021B			SW8021B			Analyst: SMA
Benzene	ND		1.0	µg/L	1	9/20/2012 02:38 AM
Toluene	ND		1.0	µg/L	1	9/20/2012 02:38 AM
Ethylbenzene	ND		1.0	µg/L	1	9/20/2012 02:38 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	9/20/2012 02:38 AM
Xylenes, Total	ND		3.0	µg/L	1	9/20/2012 02:38 AM
Surr: 4-Bromofluorobenzene	98.1		75-129	%REC	1	9/20/2012 02:38 AM
Surr: Trifluorotoluene	106		75-130	%REC	1	9/20/2012 02:38 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 20-Sep-12

Client: Entech Consulting Corp.

Project: Vac to Jal Mainline #3

Sample ID: MW 3

Collection Date: 9/12/2012 12:20 PM

Work Order: 1209473

Lab ID: 1209473-02

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX BY SW8021B			SW8021B			Analyst: SMA
Benzene	1.4		1.0	µg/L	1	9/20/2012 03:31 AM
Toluene	ND		1.0	µg/L	1	9/20/2012 03:31 AM
Ethylbenzene	3.0		1.0	µg/L	1	9/20/2012 03:31 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	9/20/2012 03:31 AM
Xylenes, Total	ND		3.0	µg/L	1	9/20/2012 03:31 AM
Surr: 4-Bromofluorobenzene	101		75-129	%REC	1	9/20/2012 03:31 AM
Surr: Trifluorotoluene	106		75-130	%REC	1	9/20/2012 03:31 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 20-Sep-12

Client: Entech Consulting Corp.

Project: Vac to Jal Mainline #3

Sample ID: MW 4

Collection Date: 9/12/2012 12:50 PM

Work Order: 1209473

Lab ID: 1209473-03

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX BY SW8021B			SW8021B			Analyst: SMA
Benzene	ND		1.0	µg/L	1	9/20/2012 03:49 AM
Toluene	ND		1.0	µg/L	1	9/20/2012 03:49 AM
Ethylbenzene	ND		1.0	µg/L	1	9/20/2012 03:49 AM
Methyl tert-butyl ether	ND		5.0	µg/L	1	9/20/2012 03:49 AM
Xylenes, Total	ND		3.0	µg/L	1	9/20/2012 03:49 AM
Surr: 4-Bromofluorobenzene	98.5		75-129	%REC	1	9/20/2012 03:49 AM
Surr: Trifluorotoluene	106		75-130	%REC	1	9/20/2012 03:49 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 20-Sep-12

Client: Entech Consulting Corp.

Project: Vac to Jal Mainline #3

Sample ID: MW 5

Collection Date: 9/12/2012 12:35 PM

Work Order: 1209473

Lab ID: 1209473-04

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX BY SW8021B			SW8021B			Analyst: SMA
Benzene	ND		1.0	µg/L	1	9/18/2012 03:44 PM
Toluene	ND		1.0	µg/L	1	9/18/2012 03:44 PM
Ethylbenzene	ND		1.0	µg/L	1	9/18/2012 03:44 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	9/18/2012 03:44 PM
Xylenes, Total	ND		3.0	µg/L	1	9/18/2012 03:44 PM
Surr: 4-Bromofluorobenzene	106		75-129	%REC	1	9/18/2012 03:44 PM
Surr: Trifluorotoluene	93.0		75-130	%REC	1	9/18/2012 03:44 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 20-Sep-12

Client: Entech Consulting Corp.

Project: Vac to Jal Mainline #3

Sample ID: MW 6

Collection Date: 9/12/2012 12:15 PM

Work Order: 1209473

Lab ID: 1209473-05

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX BY SW8021B			SW8021B			Analyst: SMA
Benzene	ND		1.0	µg/L	1	9/18/2012 04:02 PM
Toluene	ND		1.0	µg/L	1	9/18/2012 04:02 PM
Ethylbenzene	ND		1.0	µg/L	1	9/18/2012 04:02 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	9/18/2012 04:02 PM
Xylenes, Total	ND		3.0	µg/L	1	9/18/2012 04:02 PM
Surr: 4-Bromofluorobenzene	109		75-129	%REC	1	9/18/2012 04:02 PM
Surr: Trifluorotoluene	94.8		75-130	%REC	1	9/18/2012 04:02 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental**Date:** 20-Sep-12**Client:** Entech Consulting Corp.**Project:** Vac to Jal Mainline #3**Work Order:** 1209473**Sample ID:** MW 7**Lab ID:** 1209473-06**Collection Date:** 9/12/2012 12:25 PM**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX BY SW8021B			SW8021B			Analyst: SMA
Benzene	ND		1.0	µg/L	1	9/18/2012 06:00 PM
Toluene	ND		1.0	µg/L	1	9/18/2012 06:00 PM
Ethylbenzene	ND		1.0	µg/L	1	9/18/2012 06:00 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	9/18/2012 06:00 PM
Xylenes, Total	ND		3.0	µg/L	1	9/18/2012 06:00 PM
Surr: 4-Bromofluorobenzene	121		75-129	%REC	1	9/18/2012 06:00 PM
Surr: Trifluorotoluene	95.1		75-130	%REC	1	9/18/2012 06:00 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental**Date:** 20-Sep-12**Client:** Entech Consulting Corp.**Project:** Vac to Jal Mainline #3**Sample ID:** MW 8**Collection Date:** 9/12/2012 12:40 PM**Work Order:** 1209473**Lab ID:** 1209473-07**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX BY SW8021B			SW8021B			Analyst: SMA
Benzene	ND		1.0	µg/L	1	9/18/2012 06:18 PM
Toluene	ND		1.0	µg/L	1	9/18/2012 06:18 PM
Ethylbenzene	ND		1.0	µg/L	1	9/18/2012 06:18 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	9/18/2012 06:18 PM
Xylenes, Total	ND		3.0	µg/L	1	9/18/2012 06:18 PM
Surr: 4-Bromofluorobenzene	111		75-129	%REC	1	9/18/2012 06:18 PM
Surr: Trifluorotoluene	93.8		75-130	%REC	1	9/18/2012 06:18 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 20-Sep-12

Client: Entech Consulting Corp.
Order: 1209473
Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: **R135158** Instrument ID **BTEX1** Method: **SW8021B**

MBLK		Sample ID: BBLKW1-120918-R135158				Units: $\mu\text{g/L}$		Analysis Date: 9/18/2012 01:57 PM		
Client ID:		Run ID: BTEX1_120918A				SeqNo: 2945869		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether	ND	5.0								
Xylenes, Total	ND	3.0								
Surr: 4-Bromofluorobenzene	34.1	1.0	30	0	114	75-129	0			
Surr: Trifluorotoluene	29.25	1.0	30	0	97.5	75-130	0			

LCS		Sample ID: BLCSW1-120918-R135158				Units: $\mu\text{g/L}$		Analysis Date: 9/18/2012 01:22 PM		
Client ID:		Run ID: BTEX1_120918A				SeqNo: 2945867		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.81	1.0	20	0	89.1	75-126	0			
Toluene	18.59	1.0	20	0	93	75-125	0			
Ethylbenzene	20.47	1.0	20	0	102	75-125	0			
Methyl tert-butyl ether	88.11	5.0	100	0	88.1	75-128	0			
Xylenes, Total	60.87	3.0	60	0	101	75-125	0			
Surr: 4-Bromofluorobenzene	35.1	1.0	30	0	117	75-129	0			
Surr: Trifluorotoluene	29.31	1.0	30	0	97.7	75-130	0			

LCSD		Sample ID: BLCSDW1-120918-R135158				Units: $\mu\text{g/L}$		Analysis Date: 9/18/2012 01:39 PM		
Client ID:		Run ID: BTEX1_120918A				SeqNo: 2945868		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.23	1.0	20	0	86.2	75-126	17.81	3.32	20	
Toluene	17.95	1.0	20	0	89.7	75-125	18.59	3.51	20	
Ethylbenzene	19.54	1.0	20	0	97.7	75-125	20.47	4.61	20	
Methyl tert-butyl ether	82.52	5.0	100	0	82.5	75-128	88.11	6.56	20	
Xylenes, Total	57.96	3.0	60	0	96.6	75-125	60.87	4.9	20	
Surr: 4-Bromofluorobenzene	35.6	1.0	30	0	119	75-129	35.1	1.44	20	
Surr: Trifluorotoluene	30.02	1.0	30	0	100	75-130	29.31	2.39	20	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Entech Consulting Corp.
 Work Order: 1209473
 Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: **R135158** Instrument ID **BTEX1** Method: **SW8021B**

MS Sample ID: **1209475-10AMS** Units: **µg/L** Analysis Date: **9/18/2012 03:08 PM**

Client ID: Run ID: **BTEX1_120918A** SeqNo: **2945875** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.87	1.0	20	0	94.3	75-126	0			
Toluene	19.3	1.0	20	0	96.5	75-125	0			
Ethylbenzene	20.32	1.0	20	0	102	75-125	0			
Methyl tert-butyl ether	93.12	5.0	100	0	93.1	75-128	0			
Xylenes, Total	59.74	3.0	60	0	99.6	75-125	0			
Surr: 4-Bromofluorobenzene	32.9	1.0	30	0	110	75-129	0			
Surr: Trifluorotoluene	28.73	1.0	30	0	95.8	75-130	0			

MSD Sample ID: **1209475-10AMSD** Units: **µg/L** Analysis Date: **9/18/2012 03:26 PM**

Client ID: Run ID: **BTEX1_120918A** SeqNo: **2945877** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.91	1.0	20	0	94.5	77-126	18.87	0.202	20	
Toluene	19.33	1.0	20	0	96.6	75-125	19.3	0.136	20	
Ethylbenzene	20.43	1.0	20	0	102	76-125	20.32	0.542	20	
Methyl tert-butyl ether	94.91	5.0	100	0	94.9	75-128	93.12	1.9	20	
Xylenes, Total	60.46	3.0	60	0	101	75-125	59.74	1.2	20	
Surr: 4-Bromofluorobenzene	33.39	1.0	30	0	111	75-129	32.9	1.49	20	
Surr: Trifluorotoluene	28.78	1.0	30	0	95.9	75-130	28.73	0.187	20	

The following samples were analyzed in this batch:

1209473-04A	1209473-05A	1209473-06A
1209473-07A		

Client: Entech Consulting Corp.
 Work Order: 1209473
 Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: **R135276** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **BBLKW1-120919-R135276** Units: **µg/L** Analysis Date: **9/19/2012 08:25 PM**

Client ID: Run ID: **BTEX1_120919A** SeqNo: **2948487** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether	ND	5.0								
Xylenes, Total	ND	3.0								
Surr: 4-Bromofluorobenzene	30.25	1.0	30	0	101	75-129	0			
Surr: Trifluorotoluene	32.42	1.0	30	0	108	75-130	0			

LCS Sample ID: **BLCW1-120919-R135276** Units: **µg/L** Analysis Date: **9/19/2012 07:50 PM**

Client ID: Run ID: **BTEX1_120919A** SeqNo: **2948485** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.08	1.0	20	0	95.4	75-126	0			
Toluene	18.81	1.0	20	0	94	75-125	0			
Ethylbenzene	18.34	1.0	20	0	91.7	75-125	0			
Methyl tert-butyl ether	88.31	5.0	100	0	88.3	75-128	0			
Xylenes, Total	55.42	3.0	60	0	92.4	75-125	0			
Surr: 4-Bromofluorobenzene	30.57	1.0	30	0	102	75-129	0			
Surr: Trifluorotoluene	32.88	1.0	30	0	110	75-130	0			

LCSD Sample ID: **BLCSDW1-120919-R135276** Units: **µg/L** Analysis Date: **9/19/2012 08:07 PM**

Client ID: Run ID: **BTEX1_120919A** SeqNo: **2948486** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.68	1.0	20	0	108	75-126	19.08	12.7	20	
Toluene	21.23	1.0	20	0	106	75-125	18.81	12.1	20	
Ethylbenzene	20.9	1.0	20	0	105	75-125	18.34	13	20	
Methyl tert-butyl ether	106.9	5.0	100	0	107	75-128	88.31	19.1	20	
Xylenes, Total	63.11	3.0	60	0	105	75-125	55.42	13	20	
Surr: 4-Bromofluorobenzene	32.35	1.0	30	0	108	75-129	30.57	5.66	20	
Surr: Trifluorotoluene	34.08	1.0	30	0	114	75-130	32.88	3.6	20	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Entech Consulting Corp.
 Work Order: 1209473
 Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: R135276 Instrument ID BTEX1 Method: SW8021B

MS		Sample ID: 1209471-06AMS		Units: µg/L		Analysis Date: 9/20/2012 02:03 AM				
Client ID:		Run ID: BTEX1_120919A		SeqNo: 2948502		Prep Date:		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	722.8	5.0	100	634.5	88.3	75-126	0			O
Toluene	124.3	5.0	100	0	124	75-125	0			
Ethylbenzene	119.9	5.0	100	0	120	75-125	0			
Methyl tert-butyl ether	607.8	25	500	0	122	75-128	0			
Xylenes, Total	368.7	15	300	3.609	122	75-125	0			
Surr: 4-Bromofluorobenzene	176.4	5.0	150	0	118	75-129	0			
Surr: Trifluorotoluene	179.4	5.0	150	0	120	75-130	0			

MSD		Sample ID: 1209471-06AMSD		Units: µg/L		Analysis Date: 9/20/2012 02:20 AM				
Client ID:		Run ID: BTEX1_120919A		SeqNo: 2948503		Prep Date:		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	734.5	5.0	100	634.5	99.9	77-126	722.8	1.6	20	O
Toluene	121.8	5.0	100	0	122	75-125	124.3	2	20	
Ethylbenzene	116.5	5.0	100	0	116	76-125	119.9	2.89	20	
Methyl tert-butyl ether	581.6	25	500	0	116	75-128	607.8	4.42	20	
Xylenes, Total	357.2	15	300	3.609	118	75-125	368.7	3.16	20	
Surr: 4-Bromofluorobenzene	172.8	5.0	150	0	115	75-129	176.4	2.07	20	
Surr: Trifluorotoluene	181.7	5.0	150	0	121	75-130	179.4	1.28	20	

The following samples were analyzed in this batch:

1209473-01A 1209473-02A 1209473-03A

Client: Entech Consulting Corp.
Project: Vac to Jal Mainline #3
WorkOrder: 1209473

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter

ALS Environmental

Sample Receipt Checklist

Client Name: **ENTECH**

Date/Time Received: **14-Sep-12 09:10**

Work Order: **1209473**

Received by: **JBA**

Checklist completed by Jahnnie B. Allen
eSignature

14-Sep-12
Date

Reviewed by: Sonia West
eSignature

14-Sep-12
Date

Matrices: water

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	<u>1.4 C/uc</u> <u>004</u>		
Cooler(s)/Kit(s):	<u>2833</u>		
Date/Time sample(s) sent to storage:	<u>09/14/12 13:10</u>		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☒	N/A ☐
pH adjusted by:	<u></u>		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



Cincinnati, OH
+1 513 733 5336
Everett, WA
+1 425 356 2600

Fort Collins, CO
+1 970 490 1511
Holland, MI
+1 616 399 6070

Chain 'Custody Form

Page 1 of 1

COC ID: 64928

1209473

ENTECH: Entech Consulting Corp.

Environmental

Project: Vac to Jal Mainline #3

Customer Information				ALS Project Manager															
Project Information				Project Information															
Purchase Order	Project Name	Project Number	Bli To Company	Invoice Attn	Address	City/State/Zip	Phone	Fax	e-Mail Address										
Work Order	Entech Consulting Corp.	Kathleen Buxton	21 Waterway Avenue	Suite 300	The Woodlands, TX 77380	(318) 282-8343	(281) 362-2704												
Company Name	Entech Consulting Corp.	Kathleen Buxton	21 Waterway Avenue	Suite 300	The Woodlands, TX 77380	(318) 282-8343	(281) 362-2704												
Sand Report To	Entech Consulting Corp.	Kathleen Buxton	21 Waterway Avenue	Suite 300	The Woodlands, TX 77380	(318) 282-8343	(281) 362-2704												
Address	Entech Consulting Corp.	Kathleen Buxton	21 Waterway Avenue	Suite 300	The Woodlands, TX 77380	(318) 282-8343	(281) 362-2704												
City/State/Zip	Entech Consulting Corp.	Kathleen Buxton	21 Waterway Avenue	Suite 300	The Woodlands, TX 77380	(318) 282-8343	(281) 362-2704												
Phone	Entech Consulting Corp.	Kathleen Buxton	21 Waterway Avenue	Suite 300	The Woodlands, TX 77380	(318) 282-8343	(281) 362-2704												
Fax	Entech Consulting Corp.	Kathleen Buxton	21 Waterway Avenue	Suite 300	The Woodlands, TX 77380	(318) 282-8343	(281) 362-2704												
e-Mail Address	Entech Consulting Corp.	Kathleen Buxton	21 Waterway Avenue	Suite 300	The Woodlands, TX 77380	(318) 282-8343	(281) 362-2704												
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold		
1	MW 2	9-12	1245	GW	HCL	433	X												
2	MW 3		1220																
3	MW 4		1250																
4	MW 5		1235																
5	MW 6		1215																
6	MW 7		1225																
7	MW 8	9-12	1240	GW	HCL	433	X												
8																			
9																			
10																			
Sample(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box)		Results Due Date:													
SHAPE ADICIA		FEDX		21 Std. 10 Wk. Days		5 WK. Days													
Relinquished by:		Time: 1700		Date: 9-13		Date: 9/14/12													
Relinquished by:		Time:		Date:		Date:													
Logged by (Laboratory):		Time:		Date:		Date:													
Preservative Key:		1-HCl		2-HNO ₃		3-H ₂ SO ₄		4-NaOH		5-Na ₂ S ₂ O ₃		6-NaHSO ₄		7-Other		8-4°C		9-5035	

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

THIS PORTION CAN BE REMOVED FOR RECIPIENT'S RECORDS.

to 9-13-12 FedEx Tracking Number 2 899652673242

Order's Name SHARIE DILLON Phone 432 230334

Company Entech

Address 3211 MARK

City MIDLAND State TX ZIP 79707

Our Internal Billing Reference DS HUBB PLAINS

CUSTODY SEAL	
Date: 9-13-12	Time: 1:00
Name: SHARIE DILLON	
Company: ENTech	

	ALS Environmental 10450 Stancil Rd., Suite 210 Houston, Texas 77059 Tel. +1 281 530 6666 Fax. +1 281 530 5887
--	--



28-Nov-2012

Kathleen Buxton
Entech Consulting Corp.
21 Waterway Avenue
Suite 300
The Woodlands, TX 77380

Tel: (979) 997-2338
Fax: (281) 362-2704

Re: Vac to Jal Mainline #3

Work Order: 1211764

Dear Kathleen,

ALS Environmental received 8 samples on 22-Nov-2012 09:15 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 16.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Electronically approved by: Jumoke M. Lawal

Patricia L. Lynch
Project Manager



Certificate No: TX: T104704231-12-10

LS Environmental

Date: 28-Nov-12

Client: Entech Consulting Corp.
Project: Vac to Jal Mainline #3
Work Order: 1211764

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1211764-01	MW2	Groundwater		11/19/2012 14:55	11/22/2012 09:15	☐
1211764-02	MW3	Groundwater		11/19/2012 14:35	11/22/2012 09:15	☐
1211764-03	MW4	Groundwater		11/19/2012 14:23	11/22/2012 09:15	☐
1211764-04	MW5	Groundwater		11/19/2012 14:45	11/22/2012 09:15	☐
1211764-05	MW6	Groundwater		11/19/2012 14:30	11/22/2012 09:15	☐
1211764-06	MW7	Groundwater		11/19/2012 14:40	11/22/2012 09:15	☐
1211764-07	MW8	Groundwater		11/19/2012 14:50	11/22/2012 09:15	☐
1211764-08	Trip Blank	Water		11/19/2012	11/22/2012 09:15	☐

ALS Environmental

Date: 28-Nov-12

Client: Entech Consulting Corp.
Project: Vac to Jal Mainline #3
Work Order: 1211764

Case Narrative

Batch R138889, BTEX, Sample 1211715-11: MS/MSD is for an unrelated sample.

LS Environmental

Date: 28-Nov-12

Client: Entech Consulting Corp.

Project: Vac to Jal Mainline #3

Sample ID: MW2

Collection Date: 11/19/2012 02:55 PM

Work Order: 1211764

Lab ID: 1211764-01

Matrix: GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX BY SW8021B			SW8021B				Analyst: SMA
Benzene	U		1.0	µg/L	1		11/27/2012 05:39 PM
Toluene	U		1.0	µg/L	1		11/27/2012 05:39 PM
Ethylbenzene	U		1.0	µg/L	1		11/27/2012 05:39 PM
Xylenes, Total	U		3.0	µg/L	1		11/27/2012 05:39 PM
Surr: 4-Bromofluorobenzene	114		75-129	%REC	1		11/27/2012 05:39 PM
Surr: Trifluorotoluene	94.4		75-130	%REC	1		11/27/2012 05:39 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 28-Nov-12

Client: Entech Consulting Corp.

Project: Vac to Jal Mainline #3

Sample ID: MW3

Collection Date: 11/19/2012 02:35 PM

Work Order: 1211764

Lab ID: 1211764-02

Matrix: GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX BY SW8021B			SW8021B				Analyst: SMA
Benzene	0.51	J	1.0	µg/L	1		11/27/2012 05:57 PM
Toluene	U		1.0	µg/L	1		11/27/2012 05:57 PM
Ethylbenzene	0.85	J	1.0	µg/L	1		11/27/2012 05:57 PM
Xylenes, Total	1.1	J	3.0	µg/L	1		11/27/2012 05:57 PM
Surr: 4-Bromofluorobenzene	117		75-129	%REC	1		11/27/2012 05:57 PM
Surr: Trifluorotoluene	96.0		75-130	%REC	1		11/27/2012 05:57 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 28-Nov-12

Client: Entech Consulting Corp.

Project: Vac to Jal Mainline #3

Sample ID: MW4

Collection Date: 11/19/2012 02:23 PM

Work Order: 1211764

Lab ID: 1211764-03

Matrix: GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX BY SW8021B			SW8021B				Analyst: SMA
Benzene	U		1.0	µg/L	1		11/27/2012 06:15 PM
Toluene	U		1.0	µg/L	1		11/27/2012 06:15 PM
Ethylbenzene	U		1.0	µg/L	1		11/27/2012 06:15 PM
Xylenes, Total	U		3.0	µg/L	1		11/27/2012 06:15 PM
Surr: 4-Bromofluorobenzene	112		75-129	%REC	1		11/27/2012 06:15 PM
Surr: Trifluorotoluene	91.7		75-130	%REC	1		11/27/2012 06:15 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental**Date:** 28-Nov-12**Client:** Entech Consulting Corp.**Project:** Vac to Jal Mainline #3**Sample ID:** MW5**Collection Date:** 11/19/2012 02:45 PM**Work Order:** 1211764**Lab ID:** 1211764-04**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX BY SW8021B			SW8021B				Analyst: SMA
Benzene	U		1.0	µg/L	1		11/27/2012 06:32 PM
Toluene	U		1.0	µg/L	1		11/27/2012 06:32 PM
Ethylbenzene	U		1.0	µg/L	1		11/27/2012 06:32 PM
Xylenes, Total	U		3.0	µg/L	1		11/27/2012 06:32 PM
Surr: 4-Bromofluorobenzene	115		75-129	%REC	1		11/27/2012 06:32 PM
Surr: Trifluorotoluene	93.6		75-130	%REC	1		11/27/2012 06:32 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental**Date:** 28-Nov-12**Client:** Entech Consulting Corp.**Project:** Vac to Jal Mainline #3**Sample ID:** MW6**Collection Date:** 11/19/2012 02:30 PM**Work Order:** 1211764**Lab ID:** 1211764-05**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX BY SW8021B			SW8021B				Analyst: SMA
Benzene	U		1.0	µg/L	1		11/27/2012 06:50 PM
Toluene	U		1.0	µg/L	1		11/27/2012 06:50 PM
Ethylbenzene	U		1.0	µg/L	1		11/27/2012 06:50 PM
Xylenes, Total	U		3.0	µg/L	1		11/27/2012 06:50 PM
Surr: 4-Bromofluorobenzene	115		75-129	%REC	1		11/27/2012 06:50 PM
Surr: Trifluorotoluene	94.1		75-130	%REC	1		11/27/2012 06:50 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental**Date:** 28-Nov-12**Client:** Entech Consulting Corp.**Project:** Vac to Jal Mainline #3**Sample ID:** MW7**Collection Date:** 11/19/2012 02:40 PM**Work Order:** 1211764**Lab ID:** 1211764-06**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX BY SW8021B			SW8021B				Analyst: SMA
Benzene	U		1.0	µg/L	1		11/27/2012 07:08 PM
Toluene	U		1.0	µg/L	1		11/27/2012 07:08 PM
Ethylbenzene	U		1.0	µg/L	1		11/27/2012 07:08 PM
Xylenes, Total	U		3.0	µg/L	1		11/27/2012 07:08 PM
Surr: 4-Bromofluorobenzene	111		75-129	%REC	1		11/27/2012 07:08 PM
Surr: Trifluorotoluene	90.5		75-130	%REC	1		11/27/2012 07:08 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 28-Nov-12

Client: Entech Consulting Corp.

Project: Vac to Jal Mainline #3

Sample ID: MW8

Collection Date: 11/19/2012 02:50 PM

Work Order: 1211764

Lab ID: 1211764-07

Matrix: GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX BY SW8021B			SW8021B				Analyst: SMA
Benzene	U		1.0	µg/L	1		11/27/2012 07:26 PM
Toluene	U		1.0	µg/L	1		11/27/2012 07:26 PM
Ethylbenzene	U		1.0	µg/L	1		11/27/2012 07:26 PM
Xylenes, Total	U		3.0	µg/L	1		11/27/2012 07:26 PM
Surr: 4-Bromofluorobenzene	112		75-129	%REC	1		11/27/2012 07:26 PM
Surr: Trifluorotoluene	91.7		75-130	%REC	1		11/27/2012 07:26 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 28-Nov-12

Client: Entech Consulting Corp.
Order: 1211764
Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: **R138889** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **BBLKW1-121127-R138889** Units: **µg/L** Analysis Date: **11/27/2012 01:30 PM**

Client ID: Run ID: **BTEX1_121127A** SeqNo: **3030227** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	33.7	1.0	30	0	112	75-129	0			
Surr: Trifluorotoluene	27.91	1.0	30	0	93	75-130	0			

LCS Sample ID: **BLCSW1-121127-R138889** Units: **µg/L** Analysis Date: **11/27/2012 12:54 PM**

Client ID: Run ID: **BTEX1_121127A** SeqNo: **3030225** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.59	1.0	20	0	92.9	75-126	0			
Toluene	18.31	1.0	20	0	91.5	75-125	0			
Ethylbenzene	18.27	1.0	20	0	91.3	75-125	0			
Xylenes, Total	55.36	3.0	60	0	92.3	75-125	0			
Surr: 4-Bromofluorobenzene	34.42	1.0	30	0	115	75-129	0			
Surr: Trifluorotoluene	32.44	1.0	30	0	108	75-130	0			

LCSD Sample ID: **BLCSDW1-121127-R138889** Units: **µg/L** Analysis Date: **11/27/2012 01:12 PM**

Client ID: Run ID: **BTEX1_121127A** SeqNo: **3030226** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18	1.0	20	0	90	75-126	18.59	3.22	20	
Toluene	17.24	1.0	20	0	86.2	75-125	18.31	6.03	20	
Ethylbenzene	16.39	1.0	20	0	81.9	75-125	18.27	10.8	20	
Xylenes, Total	50.32	3.0	60	0	83.9	75-125	55.36	9.54	20	
Surr: 4-Bromofluorobenzene	34.32	1.0	30	0	114	75-129	34.42	0.27	20	
Surr: Trifluorotoluene	31.01	1.0	30	0	103	75-130	32.44	4.5	20	

MS Sample ID: **1211715-11AMS** Units: **µg/L** Analysis Date: **11/27/2012 02:59 PM**

Client ID: Run ID: **BTEX1_121127A** SeqNo: **3030231** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1195	10	200	1063	66.1	75-126	0			SO
Toluene	216.1	10	200	0	108	75-125	0			
Ethylbenzene	537.1	10	200	361.1	88	75-125	0			
Xylenes, Total	1747	30	600	1237	85.1	75-125	0			
Surr: 4-Bromofluorobenzene	377.1	10	300	0	126	75-129	0			
Surr: Trifluorotoluene	349.2	10	300	0	116	75-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Entech Consulting Corp.
 Work Order: 1211764
 Project: Vac to Jal Mainline #3

QC BATCH REPORT

Batch ID: **R138889** Instrument ID **BTEX1** Method: **SW8021B**

MSD Sample ID: **1211715-11AMSD** Units: **µg/L** Analysis Date: **11/27/2012 03:17 PM**

Client ID: Run ID: **BTEX1_121127A** SeqNo: **3030232** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1193	10	200	1063	65.3	77-126	1195	0.128	20	SO
Toluene	197.3	10	200	0	98.6	75-125	216.1	9.11	20	
Ethylbenzene	526.5	10	200	361.1	82.7	76-125	537.1	1.99	20	
Xylenes, Total	1725	30	600	1237	81.3	75-125	1747	1.32	20	
Surr: 4-Bromofluorobenzene	350.8	10	300	0	117	75-129	377.1	7.2	20	
Surr: Trifluorotoluene	349.7	10	300	0	117	75-130	349.2	0.145	20	

The following samples were analyzed in this batch:

1211764-01A	1211764-02A	1211764-03A
1211764-04A	1211764-05A	1211764-06A
1211764-07A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Entech Consulting Corp.
Project: Vac to Jal Mainline #3
WorkOrder: 1211764

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter

ALS Environmental

Sample Receipt Checklist

Client Name: **ENTECH**

Date/Time Received: **22-Nov-12 09:15**

Work Order: **1211764**

Received by: **RDH**

Checklist completed by Russell D. Naran 23-Nov-12
eSignature Date

Reviewed by: Patricia L. Lynch 26-Nov-12
eSignature Date

Matrices: **water**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	<u>2.2c u/c</u> <u>005</u>		
Cooler(s)/Kit(s):	<u>4758</u>		
Date/Time sample(s) sent to storage:	<u>11/23/12 10:48</u>		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☒
pH adjusted?	Yes ☐	No ☐	N/A ☒
pH adjusted by:	<u></u>		

Login Notes: **Trip blank received; not on COC**

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



Cincinnati, OH
+1 513 733 5336
Everett, WA
+1 425 356 2600

Fort Collins, CO
+1 970 490 1511
Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 71486

1211764

ENTECH: Entech Consulting Corp.

Project: Vac to Jal Mainline #3

ston, WV
1168

1280

Environmental

ALS Project Manager:

Customer Information				Project Information													
Purchase Order	Project Name			Vac to Jal Mainline #3													
Work Order	Project Number																
Company Name	Bill To Company			Plains All America, LP													
Send Report To	Invoice Attn																
Address	21 Watervay Avenue			c/o ENV. Accounts Payable													
	Suite 300			P.O. Box 4848													
City/State/Zip	The Woodlands, TX 77380			Houston, TX 77210-4848													
Phone	(318) 282-9343			(713) 846-4610													
Fax	(281) 362-2704			(713) 846-4199													
e-Mail Address																	
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW2	11-19	1455	GW	HCL	3	X										
2	MW3		1435														
3	MW4		1423														
4	MW5		1445														
5	MW6		1430														
6	MW7		1440														
7	MW8	11-19	1450	GW	HCL	3	X										
8																	
9																	
10																	

Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box)		Results Due Date:			
SHANE DILLER	FED EX								
Relinquished by:	Date: 11-20	Time: 1330	Received by:	Date: 11-22/12	Time: 0915				
Relinquished by:	Date:	Time:	Received by:	Date:	Time:				
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	Date:	Time:				
Preservative Key:	1-HCl	2-HNO ₃	3-H ₂ SO ₄	4-NaOH	5-Na ₂ S ₂ O ₃	6-NaHSO ₃	7-Other	8-4°C	9-5035

QC Package: (Check One Box Below)	
☒ Level II Std QC	☐ TRRP Check/Is
☐ Level III Std QC/Raw Data	☐ TRRP Level IV
☐ Level IV SW846/CLP	☐ Other / EDX

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

FedEx.

TRK#
0215

8013 7025 3631

WED - 21 NOV A1
PRIORITY OVERNIGHT

AB SGRA

77099

TX-US
IAH



602/CE 3/6783

1211764



ALS Environmental

10450 Standish Rd., Suite 210

Houston, Texas 77099

Tel. +1 281 530 5656

Fax. +1 281 530 5887

Date:

Name:

Company:

CUSTODY SEAL

Time:

11-20-12

ADULL

ENTECH

See Bottom Box

11/20/12