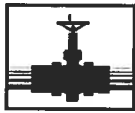


AP-41

**Plains
Hugh Gathering**

**Annual Report
2013**



PLAINS ALL AMERICAN

March 19, 2014

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

Re: Plains All American – 2013 Annual Monitoring Reports
4 Sites in Lea County, New Mexico

Dear Mr. Griswold:

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,

Camille Bryant
Remediation Coordinator
Plains All American

CC: Geoff Leking, NMOCD, Hobbs, NM

Enclosures

**2013 SOIL INVESTIGATION and
ANNUAL GROUNDWATER
MONITORING REPORT
Hugh Gathering Site
Lea County, New Mexico
UL-P, Section 11, T21S, R37E
Plains SRS #2002-10235
NMOCD No.: AP-0041**

PREPARED FOR



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MARCH 2014

A handwritten signature in black ink, appearing to read 'Chan Patel'.

Chan Patel
Senior Project Manager

A handwritten signature in black ink, appearing to read 'Kathleen Buxton'.

Kathleen Buxton, P.G
Senior Project Manager

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1.0 INTRODUCTION AND OBJECTIVES

1.1 Objectives and Site Information

In May 2002, a six-inch steel pipeline at the Hugh Gathering Site (site) released approximately 50 barrels of crude oil into the subsurface. This pipeline was formerly owned by EOTT Energy, LLC (EOTT) and is currently owned by Plains Pipeline, L.P. (Plains). The site is located in Unit Letter K, T21S, R37E, Section 11 of Lea County, New Mexico, approximately two miles east of Eunice, New Mexico (Figure 1) or more specifically at latitude 32° 29' 11.007" N and longitude 103° 07' 33.864" W.

The leak that occurred at the site in May 2002 was apparently caused by internal or external corrosion and was repaired. The release was reported by Mr. Pat McCasland of Environmental Plus, Inc. (EPI) on behalf of Mr. Frank Hernandez of EOTT to the New Mexico Oil Conservation Division (NMOCD).

This report presents the data collected at the site during weekly groundwater gauging, phase separated hydrocarbon (PSH) recovery, four quarterly sampling events conducted during 2013, and one replacement well installation conducted in November 2013. The objective of the on-going quarterly groundwater sampling activities at the site is to monitor the concentration of chemicals of concern (COCs) in the affected groundwater. Weekly PSH recovery activities are conducted to remove residual crude oil from groundwater.

1.2 Previous Remedial Responses and Environmental Investigations

The previous environmental consultants for the Hugh Gathering were EPI and 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 hired by EnTech for historical knowledge, consistency, and to continue working at the site.

The leak was repaired and affected soil was excavated and temporarily placed on a plastic liner. The initial response notification form (Form No. C-141), prepared by EPI for Plains, provides documentation of reporting the release to the New Mexico Oil Conservation Division (NMOCD). Initial soil remediation activities were completed by EPI. The total spill-impacted area was approximately 1176 square feet. According to documents available from EPI, the May 2002 release resulted in crude oil impacting two areas, one on either side of the NMSR18 (Figure 2). The crude oil was initially contained in the second pipe before flowing from vent pipes on the east and west sides of NMSR 18 and affecting the surface and subsurface soil at two separate areas. For

the ease of the discussion, the two impacted areas are hereafter referred to as the east and west side release areas. As part of the initial remediation activities, impacted soils to a depth of approximately four feet below ground surface (bgs) were excavated and disposed of in an NMOCD-approved landfarm.

1.2.1 West Side Investigations and Remediation

Soil and groundwater delineation activities were initiated in September 2002 with the installation of soil borings BH9 to BH16 on the west side, of which BH-10 was converted to a monitor well (MW-1). PSH was detected on the surface of the groundwater from MW-1 at approximately 60 feet bgs.

On the west side of NMSR 18 during June and July 2003, with NMOCD approval, groundwater monitor wells MW-2 through MW-5 were installed (Figure 2). PSH was discovered in groundwater monitor wells MW-1, MW-2, and MW-4. Recovery of PSH from groundwater monitor wells was initiated on a weekly basis and in August 2003, daily recovery began using a gasoline powered eductor type PSH recovery system by EPI.

In 2004, with NMOCD approval, groundwater monitor wells MW-6 through MW-12, were installed by EPI to further delineate the horizontal extent of PSH and dissolved phase hydrocarbons (Figure 2). PSH was observed in groundwater monitor wells MW-8, MW-9 and MW-10. Dissolved phase hydrocarbons consisting of benzene, toluene, ethylbenzene, and total xylenes (BTEX) and polynuclear aromatic hydrocarbons (PAH) constituents were detected in the 2004 analytical results from groundwater monitor well MW-5. BTEX and PAH constituents were not detected at or above the respective laboratory method detection limits (MDLs) in 2004 samples from groundwater monitor wells MW-6, MW-7, MW-11 and MW-12 located on the site periphery. PSH was present in groundwater monitor wells MW-1, MW-2, MW-3, MW-4, MW-8, MW-9 and MW-10 with thicknesses ranging from 0.25 feet to 11.13 feet,

In May 2005, Plains submitted an Abatement Plan to the NMOCD for approval (prepared by EPI). After a public comment period, the NMOCD subsequently approved implementation of the Abatement Plan through a November 5, 2005 letter to Plains.

Site surveillance continued in 2005 with daily PSH removal and inspection, monthly monitoring of groundwater and PSH levels, and quarterly sampling of groundwater monitor wells not impacted with PSH. In August 2005, because of declining PSH thickness and recovery volumes, PSH recovery was changed from daily deployment of the PSH recovery system to weekly hand bailing of PSH impacted wells and installation

of absorbent socks. During 2005, approximately 550 gallons of crude oil were recovered and reintroduced to the Plains pipeline system. The total recovered volume of oil as of December 31, 2005, including the 600 gallons recovered from 2002 through 2004, was approximately 1,150 gallons.

NMOCD approved Plains Stage 1 and State 2 Abatement Plan (Abatement Plan) for the Site. During December 2006, EPI conducted excavation, confirmation soil sampling, treatment of residual soils using MicroBlaze Spill Control (MicroBlaze), installation of passive vapor recovery system, clay liner placement, and backfilling of the site on the west side of NMSR 18. Details of these field activities were presented in the 2006 Annual Report and Soil Closure Report West Side NMSR 18.

1.2.2 East Side Investigations and Remediation

The release on the east side of NMSR 18 was initially delineated with the installation of borings BH1 to BH8 in September 2002. The horizontal extent of soil impact on the east side appears to have covered an approximately 55 feet x 10 feet of surface area from the point of release. The vertical extent of soil impact was delineated to approximately 25 feet bgs and the groundwater was not believed to be affected. In July 2006, additional delineation was completed on the east side, with the installation of soil borings BH9 through BH14. In soil boring BH13, delineation was achieved at a depth of 46 feet bgs. However, in soil boring BH11 delineation could not be completed as refusal was met at 22 feet bgs and hydrocarbons exceeding regulatory guidelines were present at 20 feet bgs.

To address the hydrocarbon impact on the east side of NMSR 18, a work plan was prepared and submitted on May 2, 2008 to the NMOCD and approved. The work plan was implemented during July through October 2008. During the implementation of this work, EarthCon supervised the soil remediation activities including excavation of the top 19 feet of hydrocarbon impacted soil, clay barrier installation, and backfilling of the excavated soils. A Soil Closure Report East Side NMSR 18 was submitted to the NMOCD in October 2008 indicating the completion of the soil remediation activities and the achievement of the target clean up goals for soils at the site. One monitor well, MW-13 was installed to determine if the groundwater was affected on the east side of NMSR 18. Details of these field activities were presented in the Soil Closure Report East Side NMSR 18 dated December 2008 and also the 2008 Annual Report.

To address the COCs in groundwater on the east side of NMSR 18, a Groundwater Investigation and Delineation Work Plan letter dated February 23, 2010 was submitted to the NMOCD. This work plan proposed the installation of two additional monitor wells

on the east side, to delineate the groundwater impact. Pending landowner approval for implementation of this work, monitor well MW-13 was the only well at that time to show impact to groundwater from the release associated with the east side of the NMSR 18. Additionally, quarterly groundwater samples were collected from MW-12 and in May 2010 was identified as having groundwater impacted above NMOCD standards for benzene.

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
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62
Polynuclear Aromatic Hydrocarbons (PAH) ^(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 SOIL INVESTIGATION ACTIVITIES

The following section presents the details of field activities completed in the November 2013 during the installation of a replacement well (MW-1R) at the Hugh Gathering Site. The purpose of this most recent supplemental investigation was to install a replacement well at MW-1 (MW-1R) to enhance PSH recovery.

2.1 Soil Investigation

One soil boring was advanced on November 7, 2013 using a continuous air rotary drilling rig operated by Straub Corporation of Stanton, Texas. All drilling rig and sampling equipment was decontaminated prior to the start of the investigation and before leaving the site. Soil samples were examined in the field immediately following retrieval from the cuttings for screening and logging purposes. The soil cuttings were logged by a licensed Professional Geologist from EnTech and described according to the Unified Soil Classification System criteria.

Each soil sample was split into two portions. One portion was immediately placed in a clean disposable plastic bag, labeled, and placed in a cooler to cool to 4 degrees centigrade (°C). The other portion was placed in a disposable plastic bag, the bag was sealed, and the sample was allowed to volatilize for approximately 15 minutes prior to conducting a headspace screening analysis using an organic vapor monitor (OVM) with a photoionization detector (PID).

Soil exhibiting evidence of hydrocarbon impact (staining, odor or OVM readings) was noted and samples were collected from selected intervals exhibiting the greatest degree of impact based on field observations. Samples selected were then placed in a clean laboratory-supplied glass container, labeled, and left in the cooler to continue cooling. . At a minimum, one sample was collected from the following interval of each new boring location:

1. Soil interval with the highest organic vapor measurement (greater than background) or highest indication of COC presence.
2. Soil-groundwater interface.

A total of 2 soil samples were collected and shipped to ESC Lab Sciences of Mt. Juliet, Tennessee for analysis. The samples were analyzed for BTEX by EPA Method 8021. Results of these laboratory analyses are presented in Table 7. Table 7 also provides a comparison of these results against the applicable regulatory limits.

After advancing the boring to total depth and the collection of soil samples was completed, the soil boring was completed as replacement monitor well (MW-1R).

2.2 General Geology and Boring Observations

The boring log and well construction drawing for the replacement monitor well installed during this investigation is provided in Appendix B. The following paragraphs provide a general discussion of the subsurface geology observed during the installation of the replacement monitor well.

As mentioned in Section 2.1, all well borings were logged on the basis of cuttings-inspections, the reaction of the rig to changes in strata, and the driller's experience. The soil cuttings were examined by EnTech personnel and described according the Unified Soil Classification System criteria. The soil cuttings were also examined for the presence of hydrocarbons, visually and by smell. As the scope of this effort was to install groundwater monitoring wells, the primary purpose of the examination of soils from the well borings was to gain a better understanding of the subsurface geology of the site, to ensure that the uppermost groundwater-bearing zone was accurately described, and to ensure that monitoring wells were constructed in a manner consistent with the soil characteristics of the water-bearing zone and overlying strata.

Based upon the soil cuttings evaluation for the replacement monitor well, backfill was observed within the soil boring to a depth of 10 feet bgs, the lithology at the site generally consists of brown, silty, fine sand with traces of clay and layers of silty sand, sandstone, silty sandstone, and caliche from the surface to approximately 75 feet bgs. The water bearing unit appearing at approximately 60 feet bgs consists of silty fine sand and that transitions into a medium to coarse sand containing silt at 70 feet bgs.

2.2.1 Soil Investigation

Analytical results for soil samples collected from the boring location installed in November 2013 are summarized in **Table 7**. Laboratory analytical results reported from the soil samples collected during the November 2013 investigation are presented on a site map in **Figure 12**.

Soil Sample Locations and Results

Two soil samples were collected from the soil boring location and submitted for laboratory analysis. All soil samples were analyzed for BTEX. A brief discussion of the rationale and laboratory analytical results for each soil sample collected is given below:

Soil Boring MW-1R

This monitor well location was selected as a replacement well for MW-1. The following provides a brief description of the samples collected from this soil boring:

- **Sample MW-1R (45-50 feet bgs)** – This soil sample was collected from the dark brown, silty sand exhibiting a PID reading of 1916 ppm. Benzene and Toluene concentrations were reported below laboratory method detection limits (MDLs). An estimate of toluene was detected; however, it was below the MDL, and therefore is an estimate by the laboratory. Ethylbenzene and total xylenes were detected, but were below regulatory standards.
- **Sample MW-1R (50-55 feet bgs)** – This soil sample was collected from the light brown sandstone exhibiting a PID reading of 1029 ppm. Benzene, ethylbenzene, toluene, and total xylenes concentrations were detected, but were below regulatory standards.

2.2.2 Evaluation of Soil Data

Two soil samples were collected from the soil boring (MW-1R) for screening purposes. Benzene, ethylbenzene, toluene, and total xylenes concentrations were detected, but were below NMOCD regulatory standards.

3.0 GROUNDWATER ASSESSMENT AND RESULTS

3.1 Groundwater Sampling Methodology

Activities conducted at the site in 2013 primarily consisted of gauging wells for groundwater levels, determining the presence or absence of PSH, 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. Thirteen groundwater monitor wells (MW-1 through MW-13) were gauged using an oil/water interface probe. MW-1R was installed to replace MW-1 to enhance PSH recovery. 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. Seven monitor wells MW-1 (MW-1R which replaced MW-1 in November 2013), MW-2 through MW-4, MW-8 through MW-10 contained a measurable PSH thickness or hydrocarbon sheen during 2013 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 PAH in the second quarter of 2013. 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 these requests, groundwater samples were collected during the second quarter of 2013 from MW-1, MW-2, MW-4, MW-7, MW-8, MW-9, MW-10, MW-12 and MW13 and analyzed for PAH and BTEX.

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 ESC Lab Sciences of Mt. Juliet, Tennessee for analysis. The groundwater samples were

analyzed for BTEX by EPA Method SW 846-8021B and PAHs by EPA Method SW 8270.

3.2 Groundwater Gauging

Table 1 summarizes groundwater gauging (elevation and PSH thickness) measurements taken before each quarterly groundwater sampling event in 2013. 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 seven monitor wells (MW-1 through MW-4, MW-8 through MW-10) during PSH recovery efforts. Groundwater elevation measurements were recorded monthly for six monitor wells (MW-5, MW-6, MW-7, MW-11 through MW-13) without PSH or hydrocarbon sheen. Complete historical groundwater elevation and PSH thickness measurements since September 21, 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.

3.3 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 28, June 13, September 11, and December 13, 2013. The hydraulic gradient in 2013 ranged from 0.0014 to 0.0027 feet/feet (ft/ft), based on groundwater elevations measured between monitor wells MW-6 and MW-12. The groundwater gradient and flow direction across the site during 2013 were similar to the gradient and direction observed during the previous five years to the southeast.

3.4 Groundwater Analytical Results

Groundwater samples were collected on February 28, June 13, September 11, and December 13, 2013 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 ESC for analysis.

In 2008, 2009, 2010, 2011, and 2012, NMOCD required Plains to analyze for BTEX and PAH constituents in the dissolved phase groundwater for wells with hydrocarbon sheen

or wells that exceed NMOCD remediation standards in 2013. To meet this requirement for 2013, groundwater samples were also collected from monitor wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-12, and MW-13 during the second quarter of 2013 and were analyzed for BTEX constituents (see **Tables 3 and 4** for analytical data) as well as PAHs (see **Table 5**).

Groundwater samples were also collected in the second quarter from monitor wells MW-1, MW-2, MW-4, MW-8, MW-9, and MW-10 which contained PSH. Analytical results reported for the groundwater samples collected at five wells (MW-5, MW-6, MW-7, MW-11, and MW-12) displayed BTEX constituent concentrations below laboratory MDLs or below NMOCD remediation criteria for all four quarters. Monitor well MW-13 exhibited concentrations of constituents above laboratory MDLs and NMOCD remediation criteria for the first, second and third quarters of groundwater monitoring for benzene. MW-1, MW-2, MW-3, MW-4, MW-8, MW-9 and MW-10 exceeded NMOCD criteria for benzene during the second quarter when they were sampled.

Table 2.1							
2013 COC NMOCD Exceeding Concentrations (mg/L)							
	First Quarter	Second Quarter				Third Quarter	Fourth Quarter
	Benzene	Benzene	Toluene	Ethylbenzene	Xylenes	Benzene	Benzene
NMOCD Criteria (mg/L)	0.01	0.01	0.75	0.75	0.62	0.01	0.01
MW-1	NS	1.6	0.34	0.55	1.1	NS	NS
MW-2	NS	1.3	0.04	0.35	0.39	NS	NS
MW-3	NS	0.17	0.0014	<0.001	0.19	NS	NS
MW-4	NS	0.22	0.028	0.098	0.097	NS	NS
MW-8	NS	1.3	0.41	0.56	1.1	NS	NS
MW-9	NS	3.0	0.25	0.32	0.54	NS	NS
MW-10	NS	0.63	<0.005	0.067	0.097	NS	NS
MW-13	0.20	0.41	<0.0050	0.00055 J	0.0079	0.052	0.00093J

Note: Concentrations in bold indicate exceedances of NMOCD 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.

The 2013 analytical results are presented in **Table 3**, and historical analytical results are presented in **Table 4**. Laboratory analytical reports are provided in **Appendix A**. The groundwater analytical data each quarterly sampling event are presented in **Figures 4A** through **4D**.

3.5 Groundwater Waste Disposal

Purge water from well sampling is placed in the 1100-gallon above ground storage tank. These liquids are vacuumed from the tank and transported offsite for disposal by Key Energy Services of Hobbs, New Mexico.

4.0 PSH RECOVERY

4.1 PSH Recovery Methodology

In addition to collecting groundwater samples, EnTech performed weekly visits to the site to gauge and recover PSH from seven wells with PSH/sheen (wells MW-1, MW-2, MW-3, MW-4, MW-8, MW-9 and MW-10). 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 PSH recovery activities typically consisted of the removal 10 to 20 gallons of affect groundwater and PSH from three of the above referenced well.

4.2 PSH Recovery via Pumping and Manual Bailing

During 2013, measurable PSH was observed in monitor wells MW-1, MW-2, MW-3, MW-4, MW-8, MW-9, and MW-10. In general, decreasing trends in the PSH thickness data collected for these wells has been observed. 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 2007. The average product thickness observed in 2013 for MW-1 was 1.49 feet with a maximum of 3.70 feet and a minimum of 0.13 feet.

The maximum thickness in MW-2 during 2013 was observed to be 1.05 feet which occurred during the third quarter of 2013. The minimum PSH thickness observed in MW-2 was 0.01 foot with an average PSH thickness for 2013 of 0.14 foot.

The maximum thickness in MW-3 during 2013 has been reduced to a sheen during 2013.

The maximum thickness in MW-4 during 2013 was observed to be 0.09 ft. The minimum PSH thickness observed in MW-4 was a sheen with an average PSH thickness for 2013 of 0.01 foot.

The PSH thickness in monitor well MW-8 has been reduced to a sheen. The maximum PSH thickness observed in 2013 was 0.11 foot, minimum PSH thickness was 0.01, and average measurable thickness was observed during 2013 of 0.03 foot.

The maximum PSH thickness observed in monitor well MW-9 of 1.04 feet, which was observed during the first quarter of 2013. The minimum PSH thickness observed in MW-9 was 0.02 foot with an average PSH thickness for 2013 of 0.44 foot.

The maximum PSH thickness observed in monitor well MW-10 of 0.12 feet., which was observed during the fourth quarter of 2013. The minimum PSH thickness observed in MW-9 was 0.01 foot with an average PSH thickness for 2013 of 0.03 foot.

4.3 PSH Waste Disposal

Approximately 37 gallons of PSH and 717 gallons total of affected groundwater were recovered from the wells containing PSH or sheen during 2013. The aforementioned liquids storage tank was emptied during 2013.

5.0 MONITORED NATURAL ATTENUATION

5.1 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 chemical of concern (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 PCLE zone migration and decreasing COC concentrations.

5.2 Groundwater Plume Stability and Monitored Natural Attenuation Information

The Hugh Gathering 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 monitor wells which did not contain PSH. During the second quarter, monitor wells which contain PSH were sampled. Benzene was detected above the NMOCD remediation criteria in monitor wells MW-1, MW-2, MW-3, MW-4, MW-8, MW-

9, MW-10, and MW-13. Only monitor well MW-13 that does not have PSH, report benzene above NMOCD limits.

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, 2012 and 2013. 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, MW-5, MW-6, MW-7, MW-11, MW-12 and MW-13. Since the wells with PSH were sampled only during the second quarter groundwater sampling events from 2008 through 2013, 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 and engineering principles.

The benzene isopleths maps for 2008, 2009, 2010, 2011, 2012 and 2013 are presented in **Figures 5 through 11** respectively. Previous maps prepared by EarthCon are presented in **Figures 5 through 9**.

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.

6.0 CONCLUSIONS

6.1 Findings

Findings and recommendations resulting from 2013 groundwater monitoring at the Hugh Gathering site are summarized below.

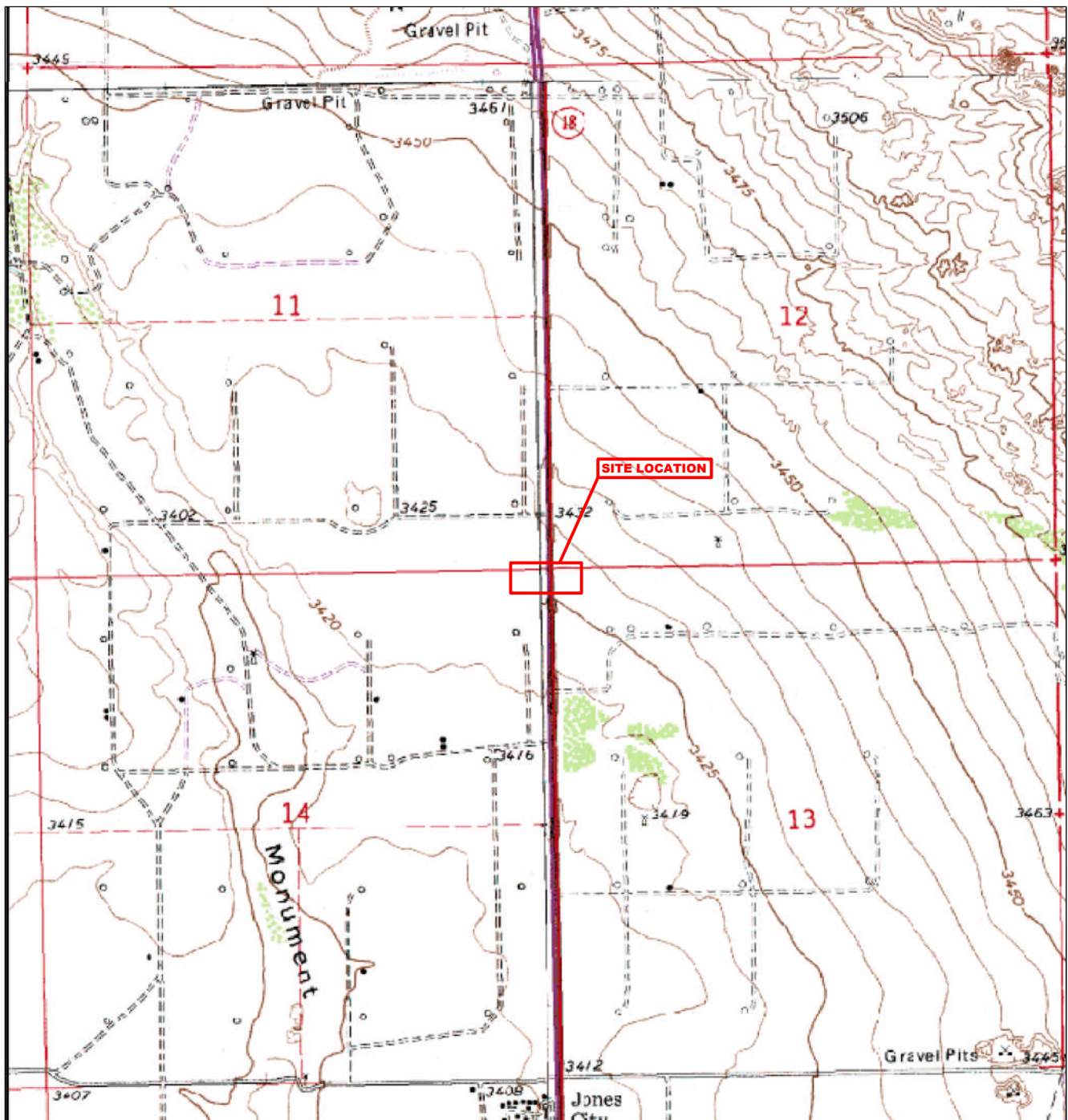
- Groundwater flow in the uppermost groundwater-bearing unit is to the southeast ranging from 0.0014 to 0.0027 ft/ft as measured between wells MW-6 and MW-12.
- Analytical results reported for the groundwater samples collected at five wells that do not contain PSH (MW-5, MW6, MW-7, MW-11 and MW-12) displayed BTEX constituent concentrations below laboratory MDLs or below NMOCD remediation criteria for all four quarters. Monitor well MW-13 exhibited concentrations of constituents above laboratory MDLs and NMOCD remediation criteria for the first, second, and third quarters of groundwater monitoring for benzene. Monitor wells with PSH or sheen, MW-1, MW-2, MW-3, MW-4, MW-8, MW-9 and MW-10, exceeded the NMOCD criteria for benzene during the second quarter when they were sampled.
- The PSH plume has remained in the historical source area and does not appear to be migrating downgradient.

Based on PSH recovery data and groundwater sampling completed during 2013 (and previously) at the site, EnTech recommends the following:

- PSH recovery from wells MW-1, MW-2, MW-3, MW-4, MW-8, MW-9 and MW-10 on a weekly basis.
- Groundwater monitoring continues on a quarterly basis.

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Figure 5	2007 – Benzene Isopleth Map
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Figure 9	2011 – Benzene Isopleth Map
Figure 10	2012 – Benzene Isopleth Map
Figure 11	2013 – Benzene Isopleth Map
Figure 12	Soil Concentration Map



Eunice NE Quadrangle
32°29'11"N Latitude & 103°07'31"W Longitude

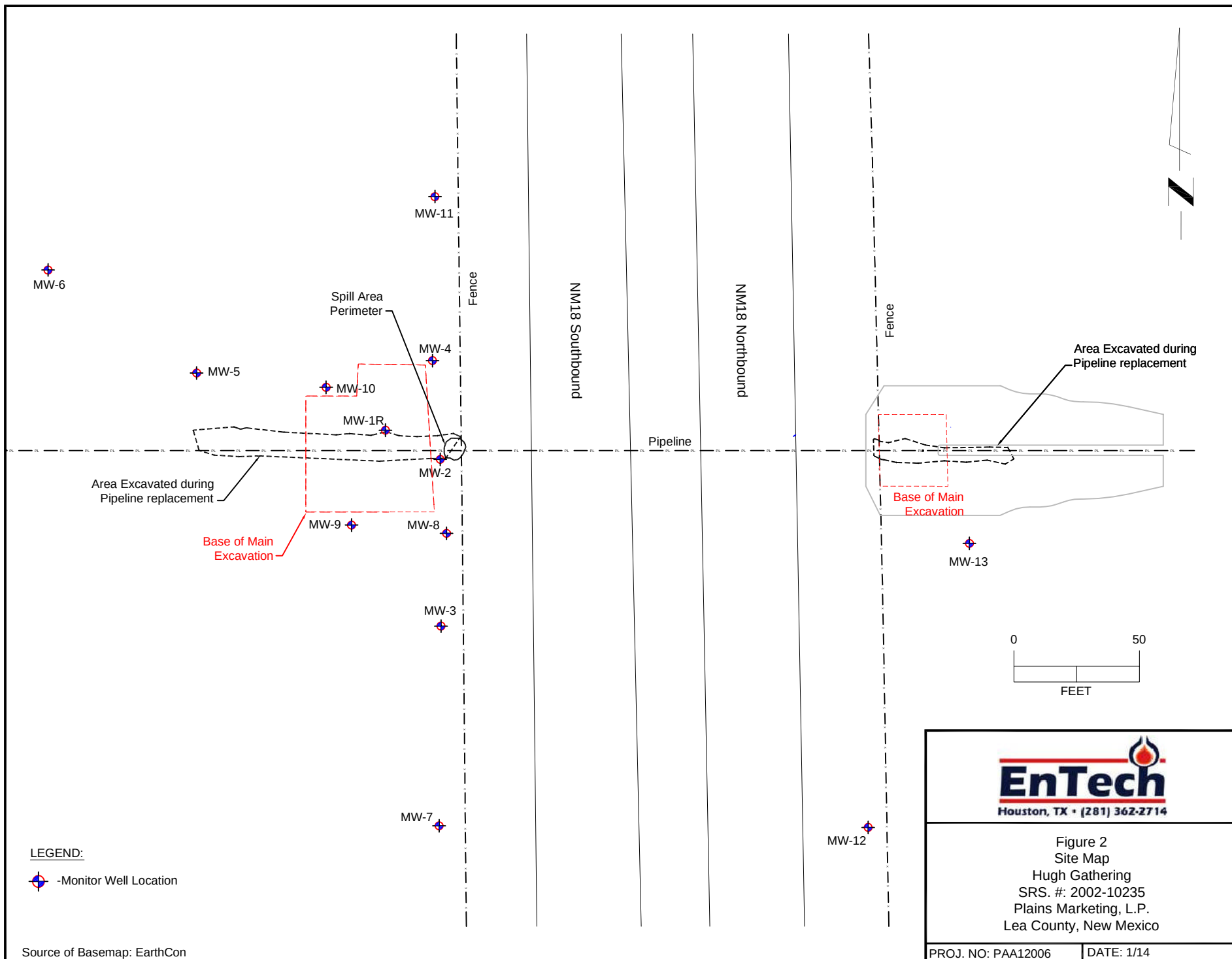
0 1/2 mile 1 mile
 Distance in Miles

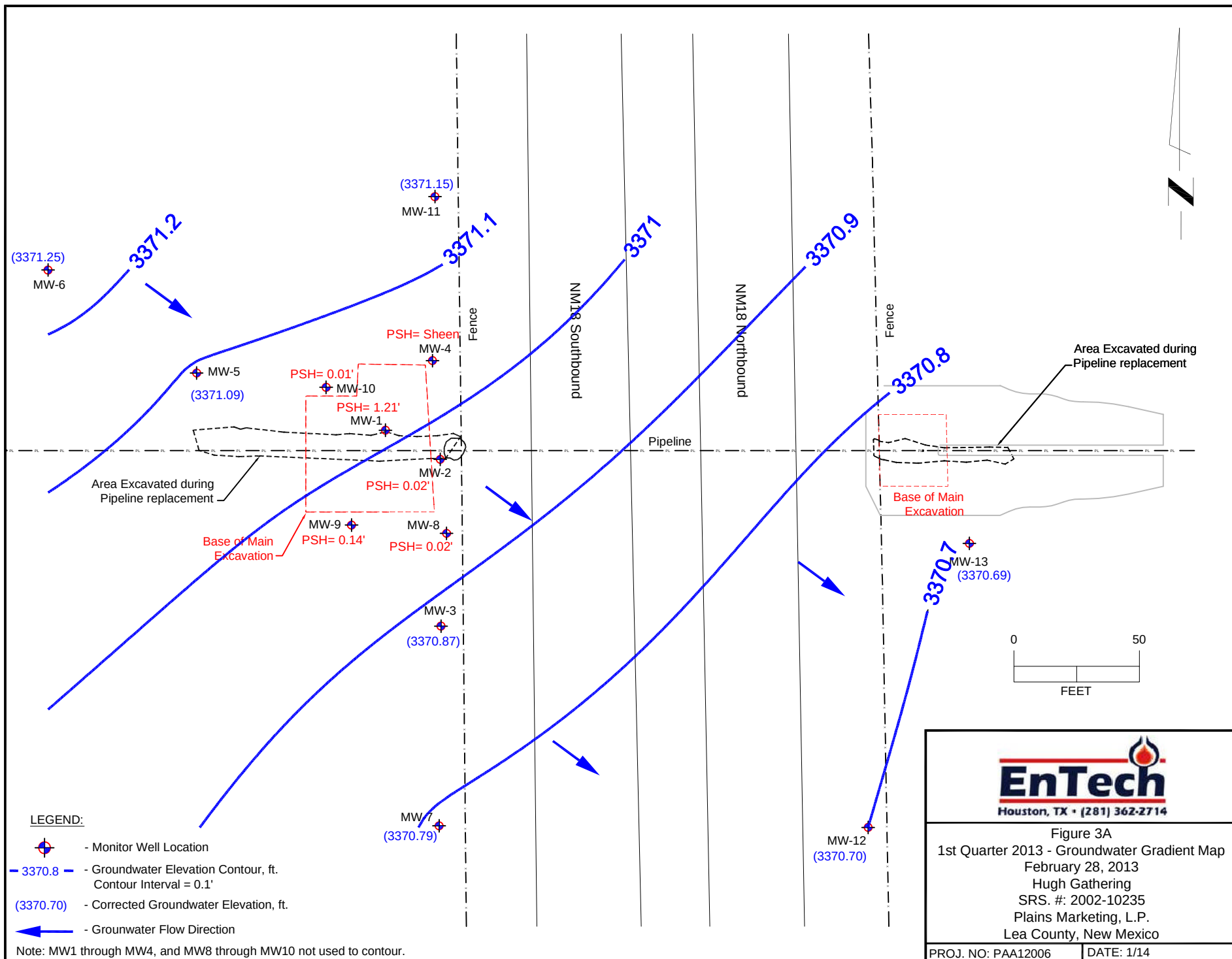
EnTech
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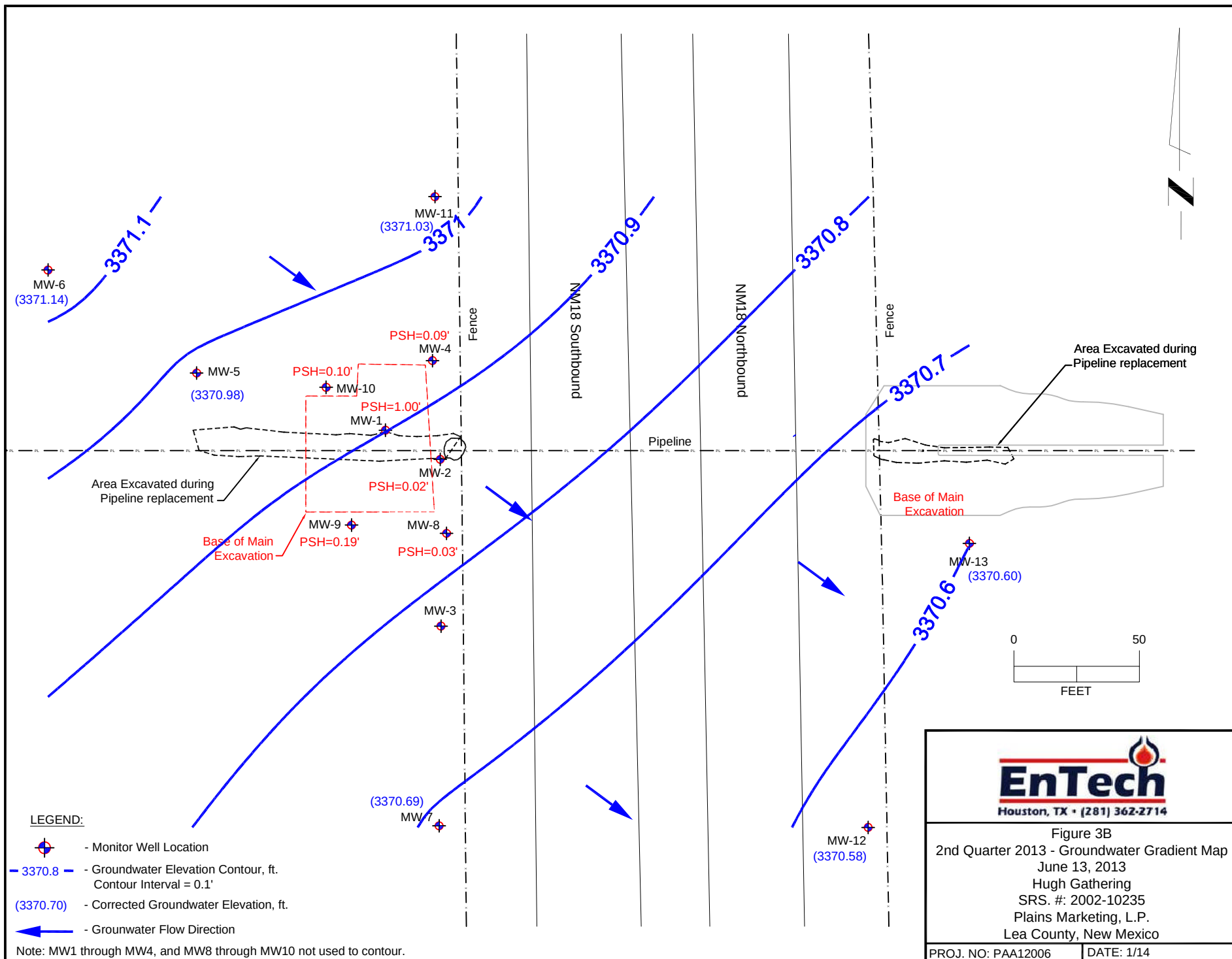
Figure 1
 Site Location Map
 Hugh Gathering
 SRS. #: 2002-10235
 Plains Marketing, L.P.
 Lea County, New Mexico

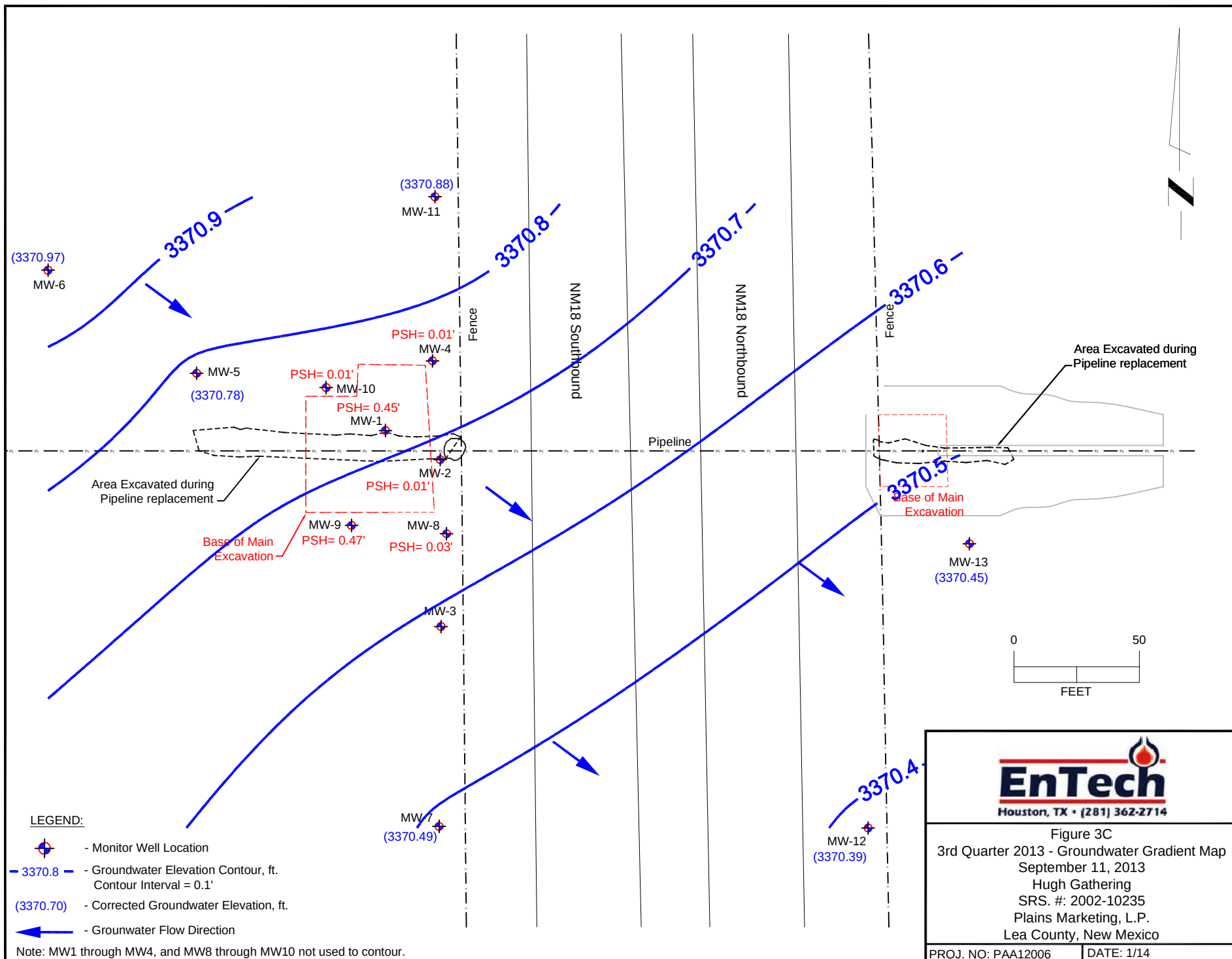
PROJ. NO: PAA12006

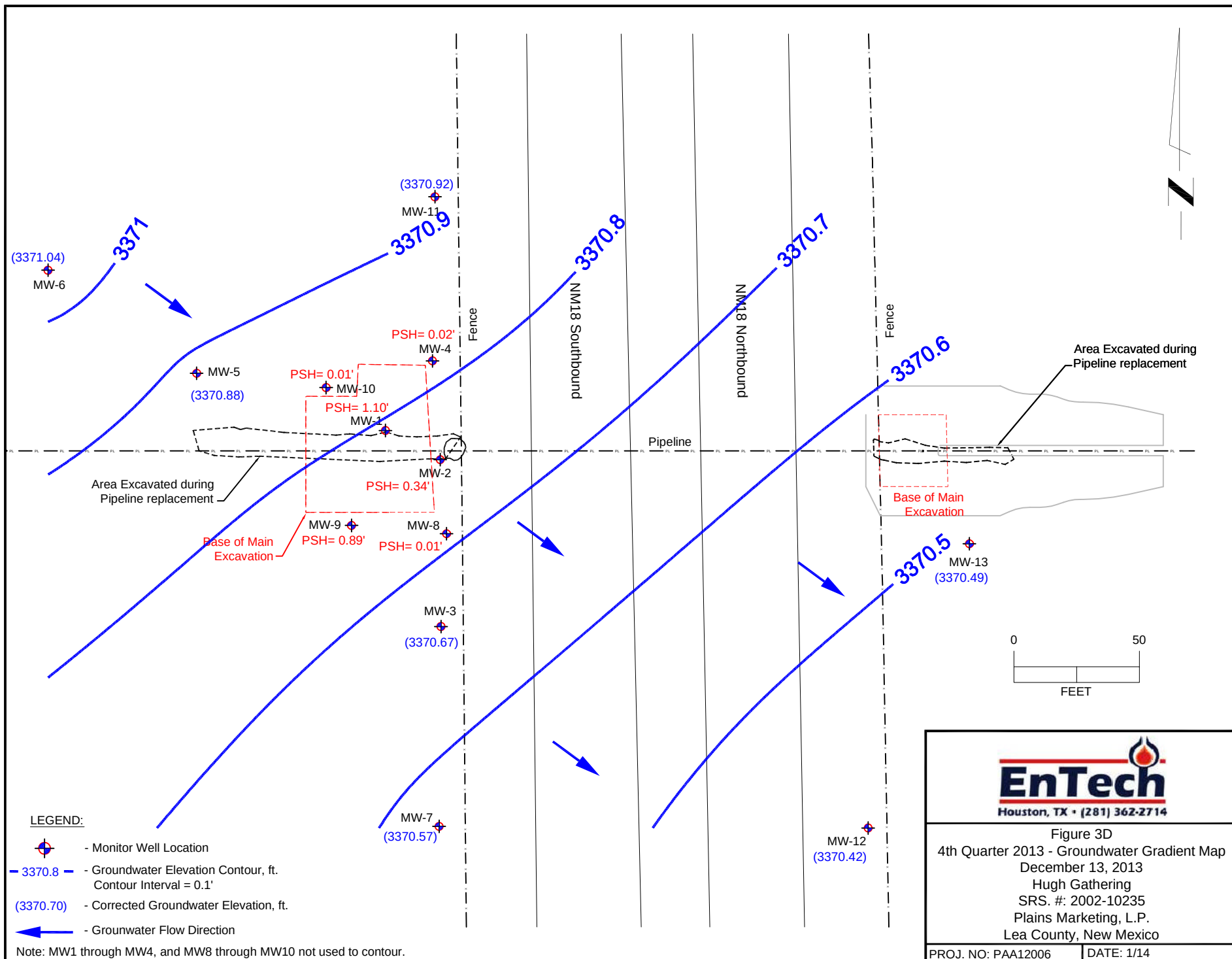
DATE: 1/14











Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	02/28/13	<0.0010	<0.0010	<0.0010	<0.0030

MW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	02/28/13	0.0004 J	0.0028 J	0.076	0.032

MW-5

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-11	02/28/13	<0.0010	<0.0010	<0.0010	<0.0030

MW-11

MW-4

MW-10

MW-1

MW-2

MW-9

MW-8

MW-3

MW-7

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-13	02/28/13	0.2	<0.0050	0.00039 J	0.0014 J

MW-13

MW-12

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-12	02/28/13	0.0029	<0.005	0.0006 J	<0.0030

LEGEND:

Monitor Well Location

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

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

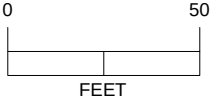


Figure 4A
1st Quarter 2013 Groundwater Analytical Map
February 28, 2013
Hugh Gathering
SRS. #: 2002-10235
Plains Marketing, L.P.
Lea County, New Mexico

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	06/13/13	0.22	0.028	0.098	0.097

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-10	06/13/13	0.63	<0.0050	0.067	0.097

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	06/13/13	<0.0010	<0.0050	<0.0010	<0.0030

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	06/13/13	<0.0010	<0.0050	0.024	0.0063

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-9	06/13/13	3.0	0.25	0.32	0.54

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-8	06/13/13	1.3	0.41	0.56	1.1

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	06/13/13	0.17	0.0014	<0.0010	0.19

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	06/13/13	0.0027	<0.0010	<0.0010	<0.0030

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-11	06/13/13	<0.0010	<0.0050	<0.0010	<0.0030

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-1	06/13/13	1.6	0.34	0.55	1.1

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-13	06/13/13	0.41	<0.0050	0.00055 J	0.0079

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	06/13/13	1.3	0.04	0.35	0.39

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-12	06/13/13	0.0069	<0.0050	<0.0010	<0.0030

LEGEND:

Monitor Well Location

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

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



Figure 4B
2nd Quarter 2013 Groundwater Analytical Map
June 13, 2013
Hugh Gathering
SRS. #: 2002-10235
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12006 | DATE: 1/14



Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-11	09/11/13	<0.0010	<0.0050	<0.0010	<0.0030

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	09/11/13	<0.0010	<0.0050	0.00046 J	<0.0030

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	09/11/13	0.00043 J	0.00088 J	0.084	0.026

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-13	09/11/13	0.052	<0.0050	<0.0010	<0.0030

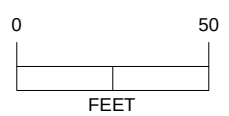
Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-12	09/11/13	0.0031	<0.0050	<0.0010	<0.0030

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	09/11/13	0.0046	<0.0010	<0.0010	<0.0030

LEGEND:
 -Monitor Well Location

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

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

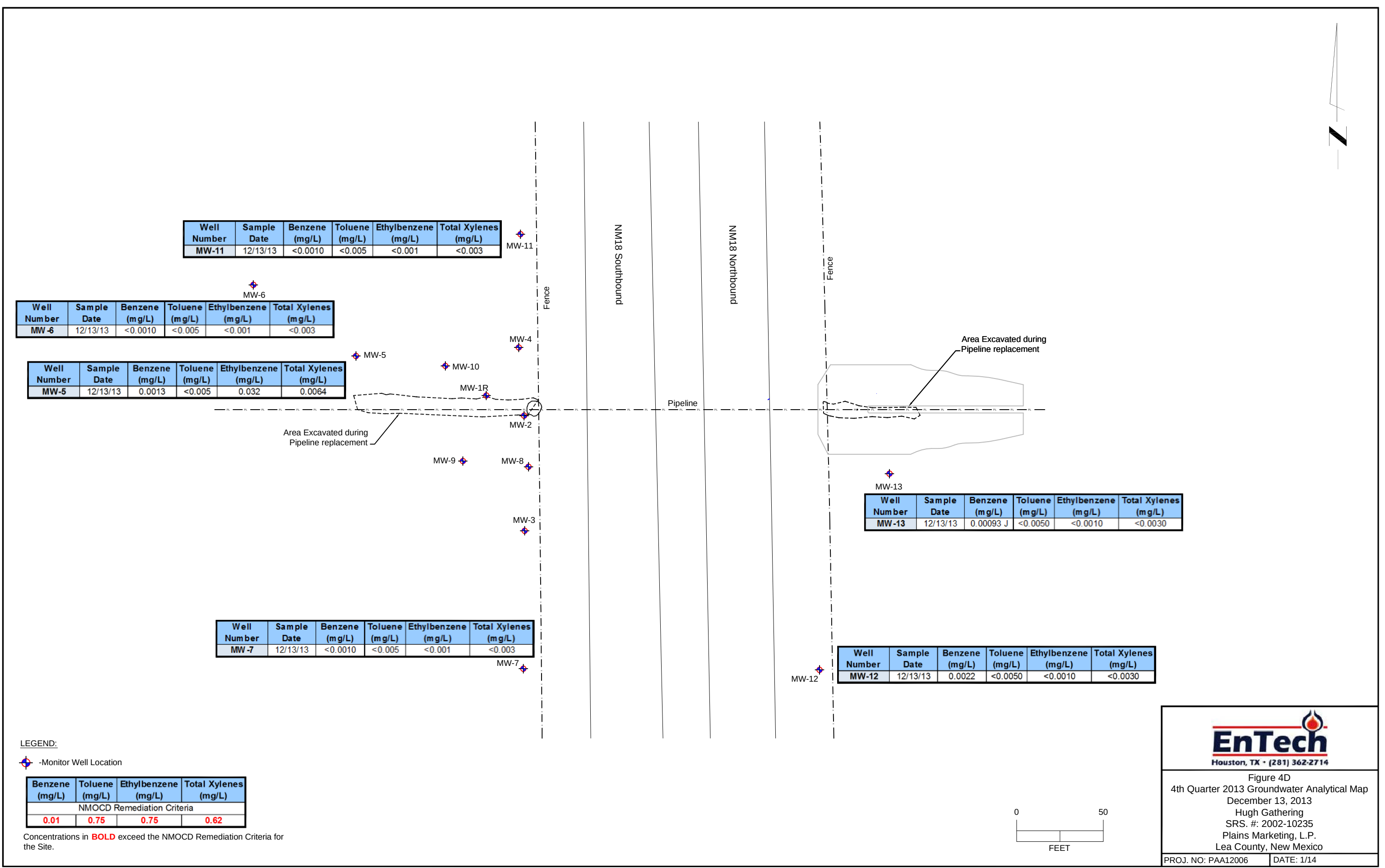




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Figure 4C
3rd Quarter 2013 Groundwater Analytical Map
September 11, 2013
Hugh Gathering
SRS. #: 2002-10235
Plains Marketing, L.P.
Lea County, New Mexico

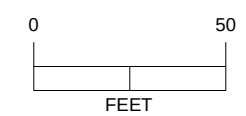
PROJ. NO: PAA12006 DATE: 1/14



LEGEND:
-Monitor Well Location

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

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



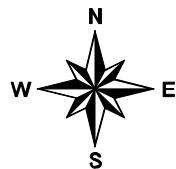


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Figure 4D
4th Quarter 2013 Groundwater Analytical Map
December 13, 2013
Hugh Gathering
SRS. #: 2002-10235
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12006

DATE: 1/14



MW-6
[<1]

MW-11
[<1]

MW-5
[105]

MW-10
[400]

MW-4
[NS (947)]

MW-1
[NS (10900)]

MW-2
[NS (2180)]

MW-9
[3,480]

MW-8
[6,120]

MW-3
[NS (5480)]

MW-7
[<1]

MW-12
[<1]

Area Excavated during
Pipeline replacement

Base of Main Excavation

Spill Area
Perimeter

Fence

NM18 Southbound

NM18 Northbound

Pipeline

Insufficient Data to
Complete Contours

Fence

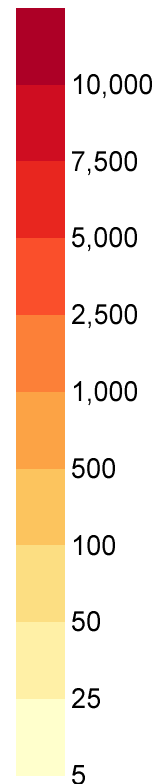
Edge of Excavation

Spill Area
Perimeter

Edge of Excavation

MW-13
[NS (1510)]

Concentration (ug/l)



LEGEND:

MW + - MW - Monitor Wells

+ - Plume Center of Mass

[2] - Benzene Concentration in ug/L

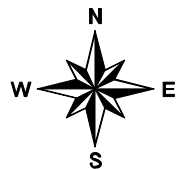
NS (880) - Well Not Sampled, Assumed
Concentration (ug/l)

0 FT 60 FT 120 FT



Figure 5
2007 Benzene Isopleth Map
Plains Pipeline, L.P.
Hugh Gathering
SRS. No.: 2002-10235
Lea County, New Mexico

PROJ. NO: 207032.00 | ELW | DATE: 01/12



MW-6
[<1]

MW-5
[24]

MW-10
[400]

MW-11
[<1]

MW-4
[947]

MW-1
[10,900]

MW-2
[2,180]

MW-9
[3,480]

MW-8
[6,120]

MW-3
[5,480]

MW-7
[<1]

MW-12
[<1]

MW-13
[1,510]

Area Excavated during
Pipeline replacement

Base of Main Excavation

Spill Area
Perimeter

Fence

NM18 Southbound

NM18 Northbound

Pipeline

Fence

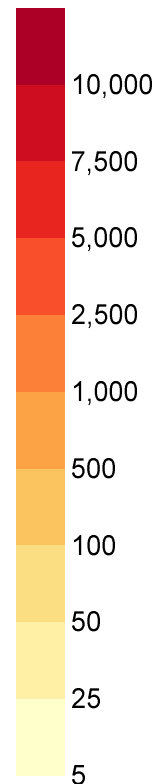
Edge of Excavation

Spill Area
Perimeter

Edge of Excavation

Insufficient Data to
Complete Contours

Concentration (ug/l)



LEGEND:

MW + - MW - Monitor Wells

+ - Plume Center of Mass

[2] - Benzene Concentration in ug/L

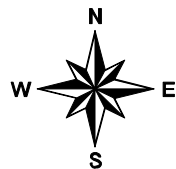
NS (880) - Well Not Sampled, Assumed
Concentration (ug/l)

0 FT 60 FT 120 FT



Figure 6
2008 Benzene Isopleth Map
Plains Pipeline, L.P.
Hugh Gathering
SRS. No.: 2002-10235
Lea County, New Mexico

PROJ. NO: 207032.00 | ELW | DATE: 01/12



MW-6
[<1]

MW-5
[13]

MW-10
[361]

MW-11
[<1]

MW-4
[551]

MW-1
[5,340]

MW-2
[1,530]

MW-9
[479]

MW-8
[4,270]

MW-3
[428]

MW-7
[2]

MW-12
[27]

MW-13
[1,933]

Area Excavated during
Pipeline replacement

Base of Main Excavation

Spill Area
Perimeter

Fence

NM18 Southbound

NM18 Northbound

Pipeline

Insufficient Data to
Complete Contours

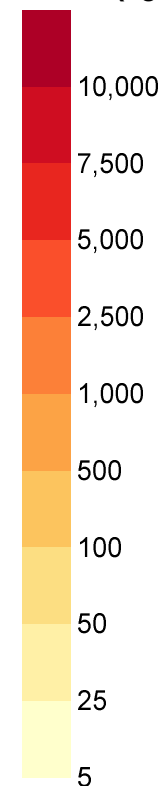
Fence

Edge of Excavation

Spill Area
Perimeter

Edge of Excavation

Concentration (ug/l)



LEGEND:

MW + - MW - Monitor Wells

+ - Plume Center of Mass

[2] - Benzene Concentration in ug/L

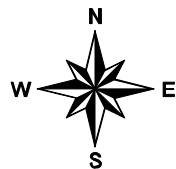
NS (880) - Well Not Sampled, Assumed
Concentration (ug/l)

0 FT 60 FT 120 FT



Figure 7
2009 Benzene Isopleth Map
Plains Pipeline, L.P.
Hugh Gathering
SRS. No.: 2002-10235
Lea County, New Mexico

PROJ. NO: 207032.00 ELW DATE: 01/12



MW-6
[<1]

MW-5
[7]

MW-10
[470]

MW-11
[0.3]

MW-4
[640]

MW-1
[6900]

MW-2
[1700]

MW-9
[910]

MW-8
[5100]

MW-3
[150]

MW-7
[3]

NM18 Southbound

NM18 Northbound

Pipeline

Fence

Edge of Excavation

Spill Area Perimeter

MW-13
[1665]

MW-12
[220]

Concentration (ug/l)

10,000
7,500
5,000
2,500
1,000
500
100
50
25
5

Area Excavated during
Pipeline replacement

Base of Main Excavation

Insufficient Data to
Complete Contours

LEGEND:

MW + - MW - Monitor Wells

+ - Plume Center of Mass

[2] - Benzene Concentration in ug/L

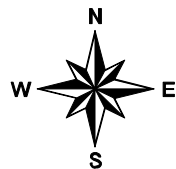
NS (880) - Well Not Sampled, Assumed
Concentration (ug/l)

0 FT 60 FT 120 FT



Figure 8
2010 Benzene Isopleth Map
Plains Pipeline, L.P.
Hugh Gathering
SRS. No.: 2002-10235
Lea County, New Mexico

PROJ. NO: 207032.00 | ELW | DATE: 01/12



MW-6
[<1]

MW-5
[2]

MW-11
[<1]

MW-10
[540]

MW-4
[590]

MW-1
[NS (6900)]

MW-2
[1,800]

MW-9
[1,200]

MW-8
[3,900]

MW-3
[NS (150)]

MW-7
[6]

Insufficient Data to
Complete Contours

NM18 Southbound

NM18 Northbound

Pipeline

Fence

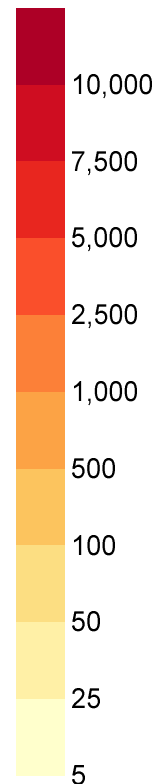
Edge of Excavation

Spill Area
Perimeter

MW-13
[350]

MW-12
[423]

Concentration (ug/l)



LEGEND:

MW + - MW - Monitor Wells

+ - Plume Center of Mass

[2] - Benzene Concentration in ug/L

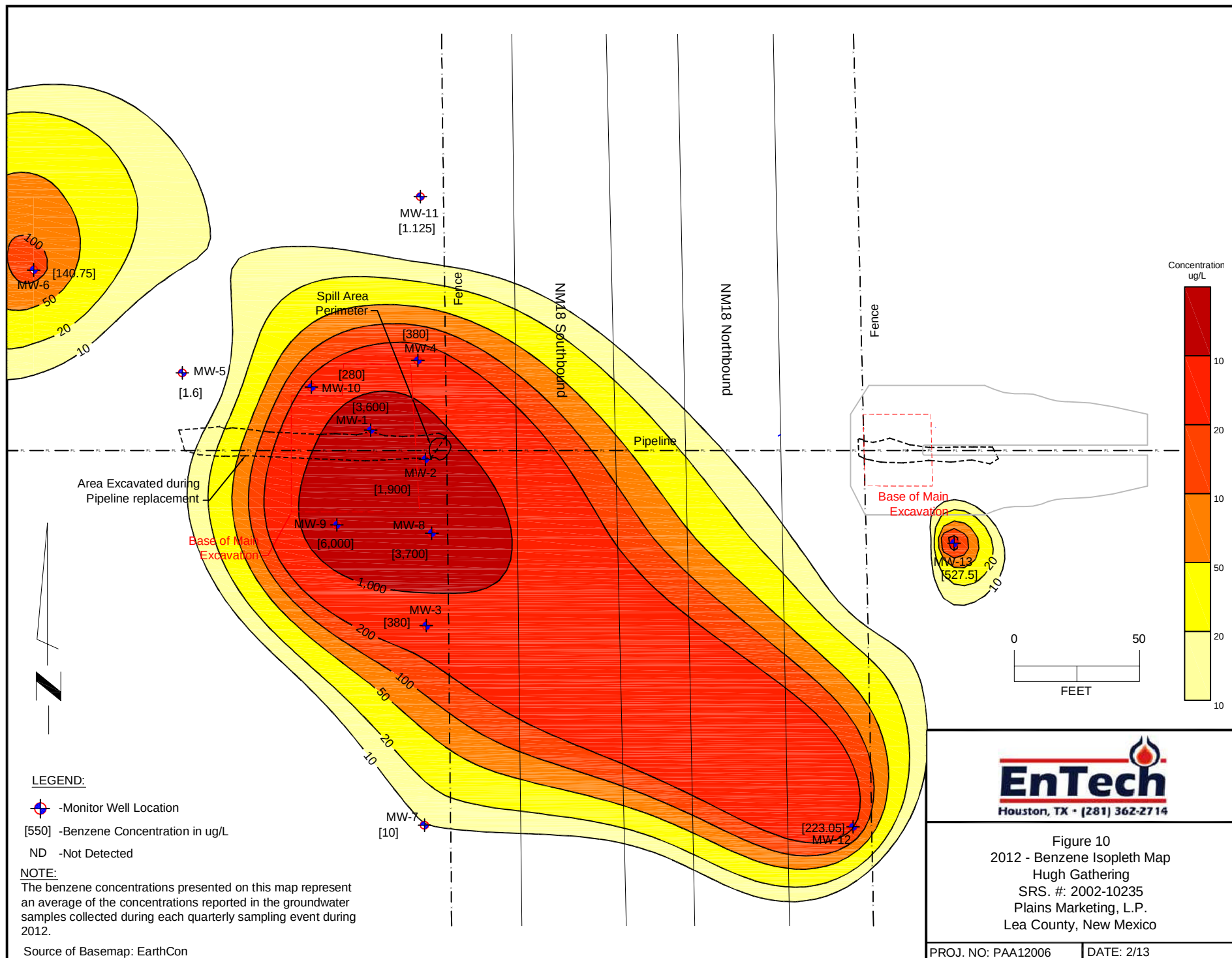
NS (880) - Well Not Sampled, Assumed
Concentration (ug/l)

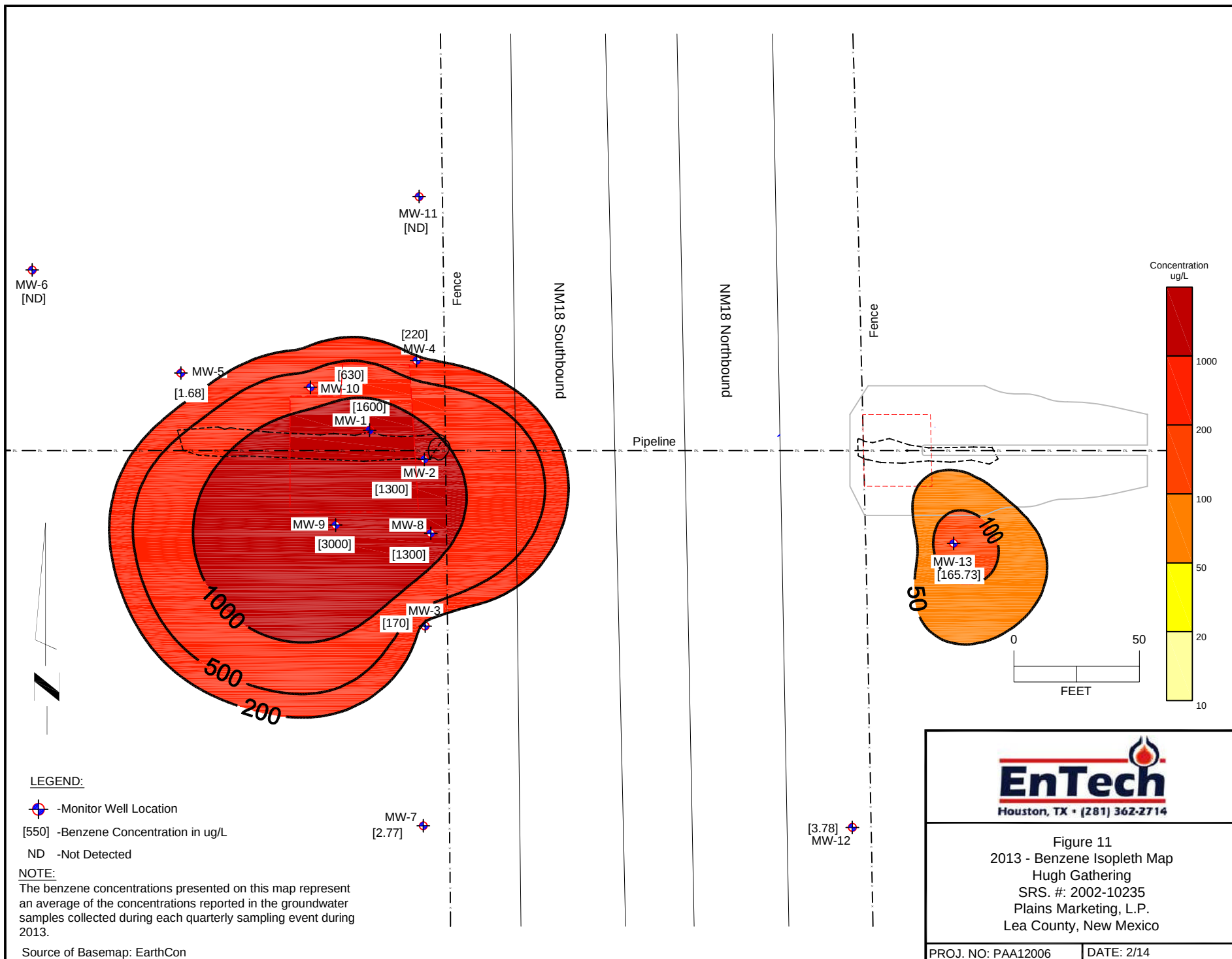
0 FT 60 FT 120 FT

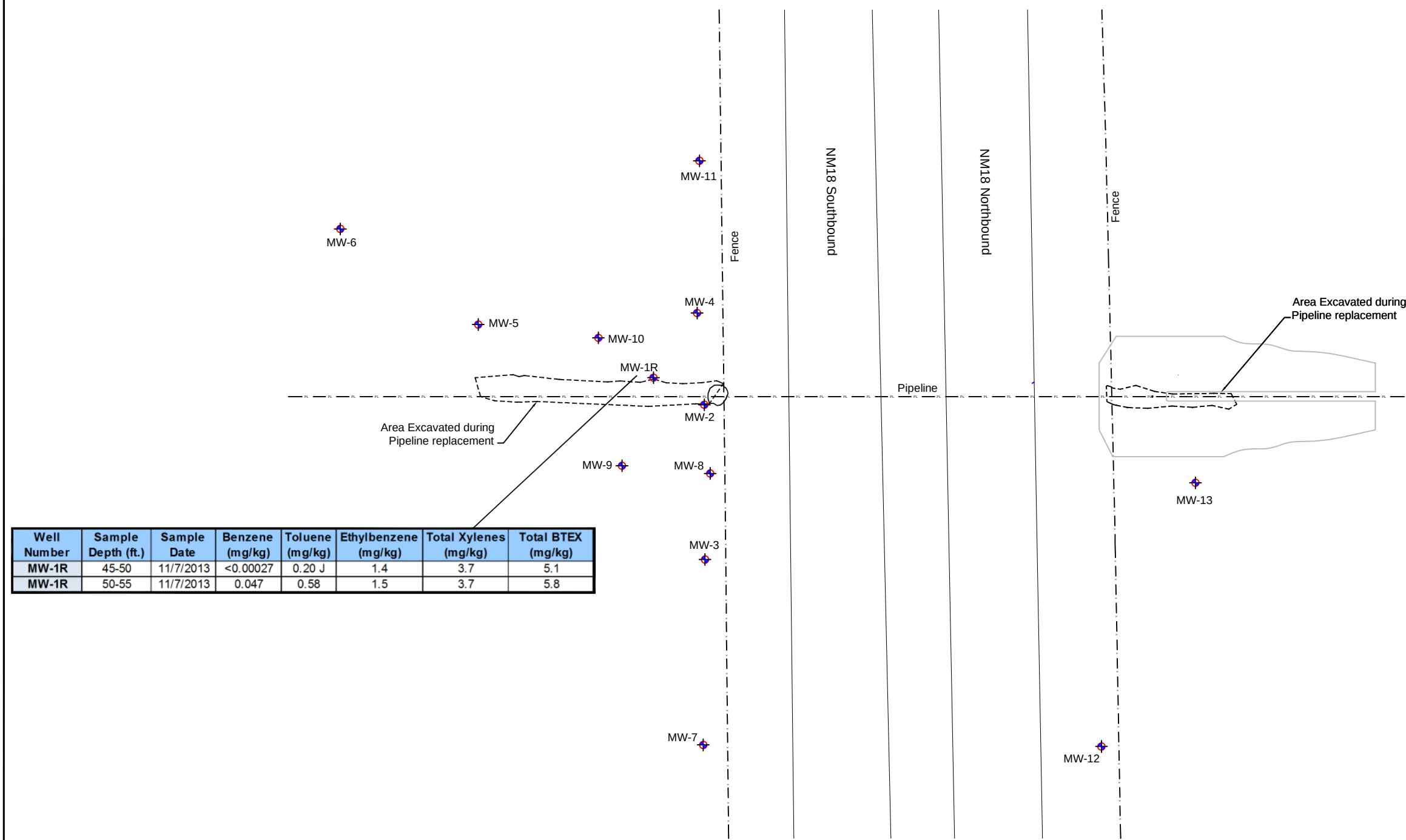


Figure 9
2011 Benzene Isopleth Map
Plains Pipeline, L.P.
Hugh Gathering
SRS. No.: 2002-10235
Lea County, New Mexico

PROJ. NO: 207032.00 | ELW | DATE: 01/12







Well Number	Sample Depth (ft.)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)
MW-1R	45-50	11/7/2013	<0.00027	0.20 J	1.4	3.7	5.1
MW-1R	50-55	11/7/2013	0.047	0.58	1.5	3.7	5.8

LEGEND:
-Monitor Well Location

Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)
NMOCD Remediation Criteria				
10				50

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

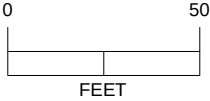


Figure 12
Soil Concentration Map
November 7, 2013
Hugh Gathering
SRS. #: 2002-10235
Plains Marketing, L.P.
Lea County, New Mexico

TABLES

Table 1	2013 Well Survey Data and Groundwater Elevations
Table 2	Historical Well Survey Data and Groundwater Elevations
Table 3	2013 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	2013 Monthly PSH and Dissolved Phase Groundwater Recovery Data
Table 7	2013 Soil Analytical Data

TABLE 1
2012 WELL SURVEY DATA AND GROUNDWATER ELEVATION

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (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	02/28/13	3429.95	58.50	59.71	1.21	NA	NA	NA	3371.27	
MW-1	06/13/13	3429.95	58.68	59.68	1.00	NA	3.00	17.00	3371.12	Sampled
MW-1	09/11/13	3429.95	58.93	59.38	0.45	NA	NA	NA	3370.95	
MW-1R	12/13/13	3429.95	59.05	60.15	1.10	NA	NA	NA	3370.74	
MW-2	02/28/13	3429.97	58.85	58.87	0.02	NA	NA	NA	3371.12	
MW-2	06/13/13	3429.97	58.98	59.00	0.02	NA	0.25	9.75	3370.99	Sampled
MW-2	09/11/13	3429.97	59.15	59.16	0.01	NA	NA	NA	3370.82	
MW-2	12/13/13	3429.97	59.04	59.38	0.34	NA	NA	NA	3370.88	
MW-3	02/28/13	3429.89	ND	59.02	ND	NA	NA	NA	3370.87	
MW-3	06/13/13	3429.89	ND	59.11	ND	NA	NA	NA	3370.78	Sheen/Sample
MW-3	09/11/13	3429.89	ND	59.28	ND	NA	NA	NA	3370.61	
MW-3	12/13/13	3429.89	ND	59.22	ND	NA	NA	NA	3370.67	
MW-4	02/28/13	3430.36	59.27	59.28	0.01	NA	NA	NA	3371.09	
MW-4	06/13/13	3430.36	59.40	59.49	0.09	NA	0.50	19.50	3370.95	Sampled
MW-4	09/11/13	3430.36	59.57	59.58	0.01	NA	NA	NA	3370.79	
MW-4	12/13/13	3430.36	59.51	59.53	0.02	NA	NA	NA	3370.85	
MW-5	02/28/13	3428.93	ND	57.84	ND	NA	NA	NA	3371.09	Sampled
MW-5	06/13/13	3428.93	ND	57.95	ND	NA	NA	NA	3370.98	Sampled
MW-5	09/11/13	3428.93	ND	58.15	ND	NA	NA	NA	3370.78	Sampled
MW-5	12/13/13	3428.93	ND	58.05	ND	NA	NA	NA	3370.88	Sampled
MW-6	02/28/13	3429.24	ND	57.99	ND	NA	NA	NA	3371.25	Sampled
MW-6	06/13/13	3429.24	ND	58.10	ND	NA	NA	NA	3371.14	Sampled
MW-6	09/11/13	3429.24	ND	58.27	ND	NA	NA	NA	3370.97	Sampled
MW-6	12/13/13	3429.24	ND	58.20	ND	NA	NA	NA	3371.04	Sampled
MW-7	02/28/13	3429.8	ND	59.01	ND	NA	NA	NA	3370.79	
MW-7	06/13/13	3429.8	ND	59.11	ND	NA	NA	NA	3370.69	Sampled
MW-7	09/11/13	3429.8	ND	59.31	ND	NA	NA	NA	3370.49	Sampled
MW-7	12/13/13	3429.8	ND	59.23	ND	NA	NA	NA	3370.57	Sampled

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2012 WELL SURVEY DATA AND GROUNDWATER ELEVATION

Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (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-8	02/28/13	3430.21	59.06	59.08	0.02	NA	NA	NA	3371.15	
MW-8	06/13/13	3430.21	59.28	59.31	0.03	NA	NA	NA	3370.93	Sampled
MW-8	09/11/13	3430.21	59.45	59.48	0.03	NA	NA	NA	3370.76	
MW-8	12/13/13	3430.21	59.34	59.35	0.01	NA	NA	NA	3370.87	
MW-9	02/28/13	3429.88	58.78	58.92	0.14	NA	NA	NA	3371.08	
MW-9	06/13/13	3429.88	58.93	59.12	0.19	NA	NA	NA	3370.92	Sampled
MW-9	09/11/13	3429.88	59.06	59.53	0.47	NA	NA	NA	3370.75	
MW-9	12/13/13	3429.88	58.92	59.81	0.89	NA	NA	NA	3370.83	
MW-10	02/28/13	3430.65	59.50	59.51	0.01	NA	NA	NA	3371.15	
MW-10	06/13/13	3430.65	59.63	59.73	0.10	NA	NA	NA	3371.01	Sampled
MW-10	09/11/13	3430.65	59.78	59.79	0.01	NA	NA	NA	3370.87	
MW-10	12/13/13	3430.65	59.71	59.72	0.01	NA	NA	NA	3370.94	
MW-11	02/28/13	3430.94	ND	59.79	ND	NA	NA	NA	3371.15	Sampled
MW-11	06/13/13	3430.94	ND	59.91	ND	NA	NA	NA	3371.03	Sampled
MW-11	09/11/13	3430.94	ND	60.06	ND	NA	NA	NA	3370.88	Sampled
MW-11	12/13/13	3430.94	ND	60.02	ND	NA	NA	NA	3370.92	Sampled
MW-12	02/28/13	3426.47	ND	55.77	ND	NA	NA	NA	3370.70	Sampled
MW-12	06/13/13	3426.47	ND	55.89	ND	NA	NA	NA	3370.58	Sampled
MW-12	09/11/13	3426.47	ND	56.08	ND	NA	NA	NA	3370.39	Sampled
MW-12	12/13/13	3426.47	ND	56.05	ND	NA	NA	NA	3370.42	Sampled
MW 13	02/28/13	3431.13	ND	61.44	ND	NA	NA	NA	3369.69	Sampled
MW 13	06/13/13	3431.13	ND	60.53	ND	NA	NA	NA	3370.60	Sampled
MW 13	09/11/13	3431.13	ND	60.68	ND	NA	NA	NA	3370.45	Sampled
MW 13	12/13/13	3431.13	ND	60.64	ND	NA	NA	NA	3370.49	Sampled

NA: Not applicable
 ND: Not detected
 NG: Not Gauged

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	02/21/07	3429.95	56.80	61.20	4.40	NA	NA	NA	3372.49	
MW-1	03/07/07	3429.95	56.75	61.25	4.50	NA	NA	NA	3372.53	
MW-1	03/14/07	3429.95	56.80	61.29	4.49	Hand Bailed	1.25	0.25	3372.48	
MW-1	03/14/07	3429.95	57.55	57.75	0.20	NA	NA	NA	3372.37	
MW-1	03/21/07	3429.95	57.00	61.00	4.00	Hand Bailed	1.00	0.50	3372.35	
MW-1	03/21/07	3429.95	57.86	57.90	0.04	NA	NA	NA	3372.08	
MW-1	03/28/07	3429.95	57.24	61.82	4.58	NA	NA	NA	3372.02	
MW-1	03/28/07	3429.95	57.45	57.65	0.20		1.00	0.25	3372.47	Installed Sock
MW-1	04/03/07	3429.95	57.04	59.98	2.94	NA	NA	NA	3372.47	Removed Sock
MW-1	04/10/07	3429.95	57.02	60.01	2.99	NA	NA	NA	3372.48	No Sock
MW-1	04/18/07	3429.95	56.82	60.80	3.98	NA	NA	NA	3372.53	No Sock
MW-1	04/24/07	3429.95	57.03	60.79	3.76	NA	NA	NA	3372.36	No Sock
MW-1	05/03/07	3429.95	56.87	60.40	3.53	NA	NA	NA	3372.55	No Sock
MW-1	05/11/07	3429.95	57.00	59.95	2.95	NA	NA	NA	3372.51	No Sock
MW-1	05/16/07	3429.95	57.20	59.20	2.00	NA	NA	NA	3372.45	No Sock
MW-1	05/16/07	3429.95	ND	57.80	ND		0.00	100.00	3372.15	No Sock
MW-1	05/23/07	3429.95	56.16	59.30	3.14	NA	NA	NA	3373.32	No Sock
MW-1	05/23/07	3429.95	ND	64.40	ND		0.00	80.00	3365.55	No Sock
MW-1	05/31/07	3429.95	57.10	59.28	2.18	NA	NA	NA	3372.52	No Sock
MW-1	06/06/07	3429.95	57.08	59.86	2.78	NA	NA	NA	3372.45	No Sock
MW-1	06/06/07	3429.95	59.92	60.09	0.17		0.00	30.00	3370.00	No Sock
MW-1	06/13/07	3429.95	57.08	59.38	2.30	NA	NA	NA	3372.53	No Sock
MW-1	06/19/07	3429.95	56.94	60.00	3.06	Hand Bailed	0.75	0.00	3372.55	
MW-1	06/19/07	3429.95	57.50	57.60	0.10	NA	NA	NA	3372.44	No Sock
MW-1	06/27/07	3429.95	57.42	59.68	2.26	Hand Bailed	0.50	0.00	3372.19	
MW-1	06/27/07	3429.95	57.49	57.53	0.04	NA	NA	NA	3372.45	No Sock
MW-1	07/05/07	3429.95	56.97	59.92	2.95	Hand Bailed	1.00	0.00	3372.54	
MW-1	07/05/07	3429.95	57.50	57.73	0.23	NA	NA	NA	3372.42	No Sock
MW-1	07/11/07	3429.95	57.21	59.74	2.53	Hand Bailed	0.75	0.00	3372.36	
MW-1	07/11/07	3429.95	57.77	57.98	0.21	NA	NA	NA	3372.15	No Sock
MW-1	07/19/07	3429.95	56.90	60.22	3.32	Hand Bailed	1.00	0.00	3372.55	
MW-1	07/19/07	3429.95	57.60	57.75	0.15	NA	NA	NA	3372.33	No Sock
MW-1	07/24/07	3429.95	56.82	60.24	3.42	Hand Bailed	1.00	0.00	3372.62	
MW-1	07/24/07	3429.95	57.55	57.86	0.31	NA	NA	NA	3372.35	No Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	07/31/07	3429.95	56.71	60.28	3.57	NA	NA	NA	3372.70	No Sock
MW-1	08/09/07	3429.95	56.60	60.36	3.76	Hand Bailed	1.00	0.00	3372.79	
MW-1	08/09/07	3429.95	57.60	57.82	0.22	NA	NA	NA	3372.32	No Sock
MW-1	08/16/07	3429.95	57.21	59.74	2.53	NA	NA	NA	3372.36	No Sock
MW-1	08/22/07	3429.95	56.23	60.34	4.11	Hand Bailed	1.00	0.00	3373.10	
MW-1	08/22/07	3429.95	57.71	57.88	0.17	NA	NA	NA	3372.21	No Sock
MW-1	08/28/07	3429.95	55.94	60.35	4.41	Hand Bailed	1.00	0.00	3373.35	
MW-1	08/28/07	3429.95	57.52	57.68	0.16	NA	NA	NA	3372.41	No Sock
MW-1	09/06/07	3429.95	55.71	60.18	4.47	NA	NA	NA	3373.57	No Sock
MW-1	09/13/07	3429.95	56.90	60.96	4.06	NA	NA	NA	3372.44	No Sock
MW-1	09/13/07	3429.95	57.78	58.00	0.22	Hand Bailed	1.00	0.00	3372.14	
MW-1	09/18/07	3429.95	56.80	60.76	3.96	NA	NA	NA	3372.56	No Sock
MW-1	09/18/07	3429.95	57.90	57.97	0.07	Hand Bailed	1.00	0.00	3372.04	
MW-1	09/26/07	3429.95	56.76	60.83	4.07	NA	NA	NA	3372.58	No Sock
MW-1	10/04/07	3429.95	56.42	60.88	4.46	Hand Bailed	1.00	0.00	3372.86	
MW-1	10/04/07	3429.95	57.00	57.12	0.12	NA	NA	NA	3372.93	No Sock
MW-1	10/10/07	3429.95	56.91	60.29	3.38	Hand Bailed	1.00	50.00	3372.53	
MW-1	10/10/07	3429.95	57.75	57.77	0.02	NA	NA	NA	3372.20	No Sock
MW-1	10/17/07	3429.95	56.81	60.34	3.53	Hand Bailed	1.00	50.00	3372.61	
MW-1	10/17/07	3429.95	57.91	57.96	0.05	NA	NA	NA	3372.03	No Sock
MW-1	10/24/07	3429.95	56.95	60.15	3.20	Hand Bailed	1.00	50.00	3372.52	
MW-1	10/24/07	3429.95	57.60	57.65	0.05	NA	NA	NA	3372.34	No Sock
MW-1	10/31/07	3429.95	57.00	59.77	2.77	Hand Bailed	1.00	30.00	3372.53	
MW-1	10/31/07	3429.95	ND	57.60	ND	NA	NA	NA	3372.35	No Sock
MW-1	11/07/07	3429.95	57.00	59.77	2.77	Hand Bailed	1.00	39.00	3372.53	
MW-1	11/07/07	3429.95	57.50	57.53	0.03	NA	NA	NA	3372.45	No Sock
MW-1	11/13/07	3429.95	56.98	60.04	3.06	NA	NA	NA	3372.51	No Sock
MW-1	11/20/07	3429.95	56.84	60.10	3.26	Hand Bailed	1.00	3.00	3372.62	
MW-1	11/20/07	3429.95	57.68	57.74	0.06	NA	NA	NA	3372.26	No Sock
MW-1	11/27/07	3429.95	56.80	60.15	3.35	Hand Bailed	1.00	8.00	3372.65	
MW-1	11/27/07	3429.95	57.62	57.66	0.04	NA	NA	NA	3372.32	No Sock
MW-1	12/05/07	3429.95	56.72	60.12	3.40	Hand Bailed	1.00	8.00	3372.72	
MW-1	12/05/07	3429.95	57.56	57.62	0.06	NA	NA	NA	3372.38	No Sock
MW-1	12/12/07	3429.95	56.68	60.14	3.46	Hand Bailed	1.00	8.00	3372.75	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	12/12/07	3429.95	57.40	57.42	0.02	NA	NA	NA	3372.55	No Sock
MW-1	12/18/07	3429.95	57.00	60.27	3.27	Hand Bailed	1.00	8.00	3372.46	
MW-1	12/18/07	3429.95	57.60	57.62	0.02	NA	NA	NA	3372.35	No Sock
MW-1	12/27/07	3429.95	56.92	60.33	3.41	Hand Bailed	1.00	8.00	3372.52	
MW-1	12/27/07	3429.95	57.41	57.50	0.09	NA	NA	NA	3372.53	No Sock
MW-1	01/03/08	3429.95	56.90	60.83	3.93	Hand Bailed	1.00	8.00	3372.46	
MW-1	01/03/08	3429.95	57.75	57.83	0.08	NA	NA	NA	3372.19	No Sock
MW-1	01/09/08	3429.95	56.85	60.65	3.80	Hand Bailed	1.00	8.00	3372.53	
MW-1	01/09/08	3429.95	ND	58.07	ND	NA	NA	NA	3371.88	No Sock
MW-1	01/17/08	3429.95	56.98	59.95	2.97	Hand Bailed	1.00	19.00	3372.52	
MW-1	01/17/08	3429.95	60.05	60.10	0.05	NA	NA	NA	3369.89	No Sock
MW-1	01/23/08	3429.95	57.04	59.44	2.40	NA	NA	NA	3372.55	No Sock
MW-1	01/30/08	3429.95	56.93	60.12	3.19	Hand Bailed	4.00	20.00	3372.54	
MW-1	01/30/08	3429.95	58.42	58.89	0.47	NA	NA	NA	3371.46	No Sock
MW-1	02/06/08	3429.95	56.73	60.22	3.49	Hand Bailed	4.00	20.00	3372.70	
MW-1	02/06/08	3429.95	58.65	58.67	0.02	NA	NA	NA	3371.30	No Sock
MW-1	02/13/08	3429.95	56.91	60.00	3.09	Hand Bailed	4.00	20.00	3372.58	
MW-1	02/13/08	3429.95	56.55	56.60	0.05	NA	NA	NA	3373.39	No Sock
MW-1	02/19/08	3429.95	57.10	59.24	2.14	Hand Bailed	4.00	20.00	3372.53	
MW-1	02/19/08	3429.95	ND	61.30	ND	NA	NA	NA	3368.65	No Sock
MW-1	02/27/08	3429.95	57.03	59.25	2.22	NA	NA	NA	3372.59	No Sock
MW-1	03/04/08	3429.95	56.96	59.75	2.79	Hand Bailed	2.00	13.00	3372.57	
MW-1	03/04/08	3429.95	60.04	60.07	0.03	NA	NA	NA	3369.91	No Sock
MW-1	03/12/08	3429.95	57.05	59.37	2.32	Hand Bailed	1.50	18.50	3372.55	
MW-1	03/12/08	3429.95	ND	58.00	ND	NA	NA	NA	3371.95	No Sock
MW-1	03/19/08	3429.95	57.20	59.13	1.93	Hand Bailed	1.00	19.00	3372.46	
MW-1	03/19/08	3429.95	ND	59.91	ND	NA	NA	NA	3370.04	No Sock
MW-1	03/26/08	3429.95	56.96	59.75	2.79	NA	NA	NA	3372.57	No Sock
MW-1	03/26/08	3429.95	ND	61.00	ND	Hand Bailed	1.00	19.00	3368.95	
MW-1	04/02/08	3429.95	57.08	59.28	2.20	NA	NA	NA	3372.54	No Sock
MW-1	04/02/08	3429.95	58.10	58.12	0.02	Hand Bailed	1.00	19.00	3371.85	
MW-1	04/02/08	3429.95	57.37	57.42	0.05	NA	NA	NA	3372.57	5 hours after
MW-1	04/09/08	3429.95	57.09	59.00	1.91	Hand Bailed	2.00	14.00	3372.57	
MW-1	04/09/08	3429.95	ND	59.61	ND	NA	NA	NA	3370.34	No Sock

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	04/16/08	3429.95	57.14	59.06	1.92	Hand Bailed	2.00	14.00	3372.52	
MW-1	04/16/08	3429.95	ND	59.42	ND	NA	NA	NA	3370.53	No Sock
MW-1	04/24/08	3429.95	57.00	59.60	2.60	Hand Bailed	4.00	16.00	3372.56	
MW-1	04/24/08	3429.95	ND	57.70	ND	NA	NA	NA	3372.25	No Sock
MW-1	04/30/08	3429.95	57.10	58.96	1.86	Hand Bailed	2.00	18.00	3372.57	
MW-1	04/30/08	3429.95	ND	60.30	ND	NA	NA	NA	3369.65	No Sock
MW-1	05/07/08	3429.95	57.06	59.03	1.97	Hand Bailed	2.00	18.00	3372.59	
MW-1	05/07/08	3429.95	ND	60.22	ND	NA	NA	NA	3369.73	No Sock
MW-1	05/14/08	3429.95	57.07	59.06	1.99	Hand Bailed	2.00	18.00	3372.58	
MW-1	05/14/08	3429.95	ND	60.31	ND	NA	NA	NA	3369.64	No Sock
MW-1	05/20/08	3429.95	57.04	59.01	1.97	Hand Bailed	2.00	18.00	3372.61	
MW-1	05/20/08	3429.95	ND	60.02	ND	NA	NA	NA	3369.93	No Sock
MW-1	05/29/08	3429.95	57.00	59.08	2.08	Hand Bailed	2.00	3.00	3372.64	
MW-1	05/29/08	3429.95	ND	60.12	ND	NA	NA	NA	3369.83	No Sock
MW-1	06/04/08	3429.95	57.02	59.01	1.99	Pumped	2.00	18.00	3372.63	
MW-1	06/04/08	3429.95	ND	60.21	ND	NA	NA	NA	3369.74	No Sock
MW-1	06/11/08	3429.95	57.00	59.06	2.06	Pumped	2.00	18.00	3372.64	
MW-1	06/11/08	3429.95	ND	57.70	ND	NA	NA	NA	3372.25	No Sock
MW-1	06/18/08	3429.95	57.22	59.13	1.91	Pumped	2.00	18.00	3372.44	
MW-1	06/18/08	3429.95	ND	60.33	ND	NA	NA	NA	3369.62	No Sock
MW-1	06/26/08	3429.95	57.30	59.21	1.91	Pumped	2.00	18.00	3372.36	
MW-1	06/26/08	3429.95	ND	60.52	ND	NA	NA	NA	3369.43	No Sock
MW-1	07/02/08	3429.95	57.26	59.16	1.90	Pumped	2.00	18.00	3372.41	
MW-1	07/02/08	3429.95	ND	60.10	ND	NA	NA	NA	3369.85	No Sock
MW-1	07/07/08	3429.95	57.00	59.86	2.86	Pumped	2.00	18.00	3372.52	
MW-1	07/07/08	3429.95	ND	60.06	ND	NA	NA	NA	3369.89	No Sock
MW-1	07/16/08	3429.95	57.10	59.76	2.66	Pumped	2.00	18.00	3372.45	
MW-1	07/16/08	3429.95	ND	60.19	ND	NA	NA	NA	3369.76	No Sock
MW-1	07/21/08	3429.95	57.14	59.84	2.70	Pumped	2.00	18.00	3372.41	
MW-1	07/21/08	3429.95	ND	60.27	ND	NA	NA	NA	3369.68	No Sock
MW-1	07/29/08	3429.95	57.21	59.90	2.69	Pumped	2.00	18.00	3372.34	
MW-1	07/29/08	3429.95	ND	60.39	ND	NA	NA	NA	3369.56	No Sock
MW-1	08/06/08	3429.95	57.19	59.96	2.77	Pumped	2.00	18.00	3372.34	
MW-1	08/06/08	3429.95	ND	60.11	ND	NA	NA	NA	3369.84	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	08/13/08	3429.95	57.29	59.81	2.52	Pumped	2.00	18.00	3372.28	
MW-1	08/13/08	3429.95	ND	60.05	ND	NA	NA	NA	3369.90	
MW-1	08/18/08	3429.95	57.03	60.70	3.67	Pumped	2.00	18.00	3372.37	
MW-1	08/18/08	3429.95	ND	58.10	ND	NA	NA	NA	3371.85	
MW-1	08/27/08	3429.95	56.89	60.51	3.62	Pumped	2.00	18.00	3372.52	
MW-1	08/27/08	3429.95	ND	58.21	ND	NA	NA	NA	3371.74	
MW-1	09/02/08	3429.95	56.99	60.31	3.32	Pumped	2.00	18.00	3372.46	
MW-1	09/02/08	3429.95	ND	58.41	ND	NA	NA	NA	3371.54	
MW-1	09/09/08	3429.95	56.94	60.03	3.09	Pumped	2.00	18.00	3372.55	
MW-1	09/09/08	3429.95	ND	58.40	ND	NA	NA	NA	3371.55	
MW-1	09/17/08	3429.95	56.99	60.78	3.79	Pumped	3.00	17.00	3372.39	
MW-1	09/17/08	3429.95	ND	59.63	ND	NA	NA	NA	3370.32	
MW-1	09/24/08	3429.95	56.75	60.82	4.07	Pumped	2.00	15.00	3372.59	
MW-1	09/24/08	3429.95	58.12	58.22	0.10	NA	NA	NA	3371.82	
MW-1	10/01/08	3429.95	57.25	60.53	3.28	Pumped	2.00	18.00	3372.21	
MW-1	10/01/08	3429.95	58.13	58.15	0.02	NA	NA	NA	3371.82	
MW-1	10/08/08	3429.95	57.03	60.67	3.64	Pumped	3.00	17.00	3372.37	
MW-1	10/08/08	3429.95	ND	58.32	ND	NA	NA	NA	3371.63	
MW-1	10/15/08	3429.95	57.18	60.04	2.86	Pumped	3.00	17.00	3372.34	
MW-1	10/15/08	3429.95	ND	56.80	ND	NA	NA	NA	3373.15	
MW-1	10/22/08	3429.95	57.18	59.86	2.68	Pumped	3.00	17.00	3372.37	
MW-1	10/22/08	3429.95	58.94	58.97	0.03	NA	NA	NA	3371.01	
MW-1	10/29/08	3429.95	57.22	59.91	2.69	Pumped	2.00	18.00	3372.33	
MW-1	10/29/08	3429.95	ND	59.99	ND	NA	NA	NA	3369.96	
MW-1	11/05/08	3429.95	57.20	59.89	2.69	Pumped	0.50	24.50	3372.35	
MW-1	11/05/08	3429.95	58.82	58.85	0.03	NA	NA	NA	3371.13	
MW-1	11/12/08	3429.95	45.73	45.97	0.24	Pumped	0.50	9.50	3384.18	
MW-1	11/12/08	3429.95	45.76	45.81	0.05	NA	NA	NA	3384.18	
MW-1	11/20/08	3429.95	56.98	60.86	3.88	Pumped	3.00	3.00	3372.39	
MW-1	11/20/08	3429.95	ND	57.94	ND	NA	NA	NA	3372.01	
MW-1	11/26/08	3429.95	57.05	60.17	3.12	Pumped	2.00	18.00	3372.43	
MW-1	11/26/08	3429.95	59.74	59.81	0.07	NA	NA	NA	3370.20	
MW-1	12/03/08	3429.95	57.23	59.94	2.71	Pumped	5.00	20.00	3372.31	
MW-1	12/03/08	3429.95	58.18	58.19	0.01	NA	NA	NA	3371.77	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	12/10/08	3429.95	57.19	59.85	2.66	Pumped	6.00	19.00	3372.36	
MW-1	12/10/08	3429.95	58.59	58.61	0.02	NA	NA	NA	3371.36	
MW-1	12/17/08	3429.95	57.22	59.74	2.52	Pumped	5.50	19.50	3372.35	
MW-1	12/17/08	3429.95	58.63	58.65	0.02	NA	NA	NA	3371.32	
MW-1	12/21/08	3429.95	57.11	58.55	1.44	Pumped	1.00	29.00	3372.62	
MW-1	12/21/08	3429.95	58.53	58.55	0.02	NA	NA	NA	3371.42	
MW-1	12/31/08	3429.95	57.08	60.39	3.31	Pumped	5.00	20.00	3372.37	
MW-1	12/31/08	3429.95	58.24	58.25	0.01	NA	NA	NA	3371.71	
MW-1	01/02/09	3429.95	57.08	60.39	3.31	Pumped	5.00	20.00	3372.37	
MW-1	01/02/09	3429.95	58.24	58.25	0.01	NA	NA	NA	3371.71	
MW-1	01/07/09	3429.95	57.07	59.97	2.90	NA	NA	NA	3372.45	Pump Broken
MW-1	01/15/09	3429.95	56.98	60.82	3.84	Pumped	5.00	20.00	3372.39	
MW-1	01/15/09	3429.95	58.09	58.10	0.01	NA	NA	NA	3371.86	
MW-1	01/22/09	3429.95	57.05	60.19	3.14	Pumped	5.00	20.00	3372.43	No Sock
MW-1	01/22/09	3429.95	ND	58.11	ND	NA	NA	NA	3371.84	
MW-1	01/28/09	3429.95	57.16	59.68	2.52	Pumped	4.00	20.00	3372.41	
MW-1	01/28/09	3429.95	59.97	59.98	0.01	NA	NA	NA	3369.98	
MW-1	02/04/09	3429.95	57.19	59.63	2.44	Pumped	2.50	26.50	3372.39	
MW-1	02/04/09	3429.95	ND	57.99	ND	NA	NA	NA	3371.96	
MW-1	02/11/09	3429.95	57.21	59.66	2.45	Pumped	2.00	23.00	3372.37	
MW-1	02/11/09	3429.95	58.14	58.15	0.01	NA	NA	NA	3371.81	
MW-1	02/18/09	3429.95	57.21	59.48	2.27	Pumped	1.00	24.00	3372.40	
MW-1	02/18/09	3429.95	ND	58.56	ND	NA	NA	NA	3371.39	
MW-1	02/25/09	3429.95	57.21	59.38	2.17	Pumped	1.00	19.00	3372.41	
MW-1	02/25/09	3429.95	58.81	58.82	0.01	NA	NA	NA	3371.14	
MW-1	03/04/09	3429.95	57.18	59.43	2.25	Pumped	1.00	26.00	3372.43	
MW-1	03/04/09	3429.95	ND	59.28	ND	NA	NA	NA	3370.67	
MW-1	03/11/09	3429.95	57.25	59.48	2.23	Pumped	0.75	19.75	3372.37	
MW-1	03/11/09	3429.95	59.02	59.03	0.01	NA	NA	NA	3370.93	
MW-1	03/18/09	3429.95	57.20	59.41	2.21	Pumped	0.75	19.25	3372.42	
MW-1	03/18/09	3429.95	59.81	59.82	0.01	NA	NA	NA	3370.14	
MW-1	03/25/09	3429.95	57.16	59.47	2.31	Pumped	4.50	20.50	3372.44	
MW-1	03/25/09	3429.95	ND	59.99	ND	NA	NA	NA	3369.96	
MW-1	04/01/09	3429.95	57.17	59.42	2.25	Pumped	4.50	21.50	3372.44	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	04/01/09	3429.95	ND	60.13	ND	NA	NA	NA	3369.82	
MW-1	04/09/09	3429.95	57.12	59.39	2.27	Pumped	3.00	21.00	3372.49	
MW-1	04/09/09	3429.95	60.20	60.21	0.01	NA	NA	NA	3369.75	
MW-1	04/15/09	3429.95	57.22	59.34	2.12	NA	NA	NA	3372.41	
MW-1	04/22/09	3429.95	56.96	60.65	3.69	NA	NA	NA	3372.44	
MW-1	04/29/09	3429.95	56.87	61.00	4.13	NA	NA	NA	3372.46	
MW-1	05/06/09	3429.95	56.79	61.31	4.52	NA	NA	NA	3372.48	
MW-1	05/14/09	3429.95	56.87	61.46	4.59	NA	NA	NA	3372.39	
MW-1	05/20/09	3429.95	56.81	61.43	4.62	NA	NA	NA	3372.45	
MW-1	05/27/09	3429.95	56.83	61.57	4.74	Pumped	17.00	40.00	3372.41	
MW-1	05/27/09	3429.95	ND	60.51	ND	NA	NA	NA	3369.44	
MW-1	05/28/09	3429.95	57.52	57.93	0.41	Pumped	1.00	25.00	3372.37	
MW-1	06/03/09	3429.95	57.06	60.33	3.27	Pumped	2.00	23.00	3372.40	
MW-1	06/03/09	3429.95	ND	60.93	ND	NA	NA	NA	3369.02	
MW-1	06/11/09	3429.95	58.10	61.40	3.30	Pumped	2.00	19.00	3371.36	
MW-1	06/11/09	3429.95	ND	60.59	ND	NA	NA	NA	3369.36	
MW-1	06/17/09	3429.95	56.94	61.32	4.38	Pumped	4.00	16.00	3372.35	
MW-1	06/17/09	3429.95	ND	59.00	ND	NA	NA	NA	3370.95	
MW-1	06/23/09	3429.95	57.15	60.43	3.28	Pumped	2.00	18.00	3372.31	
MW-1	06/23/09	3429.95	ND	59.20	ND	NA	NA	NA	3370.75	
MW-1	07/01/09	3429.95	57.07	60.81	3.74	Pumped	3.00	22.00	3372.32	
MW-1	07/01/09	3429.95	ND	60.02	ND	NA	NA	NA	3369.93	
MW-1	07/07/09	3429.95	57.12	60.50	3.38	Pumped	3.00	17.00	3372.32	
MW-1	07/07/09	3429.95	ND	61.32	ND	NA	NA	NA	3368.63	
MW-1	07/15/09	3429.95	57.04	61.30	4.26	Pumped	3.00	27.00	3372.27	
MW-1	07/15/09	3429.95	ND	61.35	ND	NA	NA	NA	3368.60	
MW-1	07/22/09	3429.95	57.11	60.85	3.74	Pumped	4.50	15.50	3372.28	
MW-1	07/29/09	3429.95	57.20	60.75	3.55	NA	NA	NA	3372.22	
MW-1	07/29/09	3429.95	ND	61.46	ND	Pumped	3.00	22.00	3368.49	
MW-1	08/05/09	3429.95	57.13	60.57	3.44	Pumped	4.00	16.00	3372.30	
MW-1	08/05/09	3429.95	ND	61.29	ND	NA	NA	NA	3368.66	
MW-1	08/12/09	3429.95	57.14	60.54	3.40	Pumped	4.50	15.50	3372.30	
MW-1	08/12/09	3429.95	ND	58.97	ND	NA	NA	NA	3370.98	
MW-1	08/19/09	3429.95	57.17	60.37	3.20	Pumped	4.00	16.00	3372.30	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	08/19/09	3429.95	ND	60.50	ND	NA	NA	NA	3369.45	
MW-1	08/27/09	3429.95	57.14	60.66	3.52	Pumped	3.00	23.00	3372.28	
MW-1	08/27/09	3429.95	ND	58.37	ND	NA	NA	NA	3371.58	
MW-1	09/02/09	3429.95	57.25	60.36	3.11	Pumped	4.50	15.50	3372.23	
MW-1	09/02/09	3429.95	ND	58.91	ND	NA	NA	NA	3371.04	
MW-1	09/09/09	3429.95	57.17	60.46	3.29	Pumped	4.50	15.50	3372.29	
MW-1	09/09/09	3429.95	ND	58.60	ND	NA	NA	NA	3371.35	
MW-1	09/16/09	3429.95	57.26	60.51	3.25	Pumped	4.50	15.50	3372.20	
MW-1	09/16/09	3429.95	ND	58.21	ND	NA	NA	NA	3371.74	
MW-1	09/23/09	3429.95	57.31	60.47	3.16	Pumped	4.00	21.00	3372.17	
MW-1	09/23/09	3429.95	ND	58.07	ND	NA	NA	NA	3371.88	
MW-1	09/30/09	3429.95	57.24	60.47	3.23	Pumped	2.00	18.00	3372.23	
MW-1	09/30/09	3429.95	ND	62.10	ND	NA	NA	NA	3367.85	
MW-1	09/30/09	3429.95	57.73	57.80	0.07	Pumped	0.25	9.75	3372.21	
MW-1	09/30/09	3429.95	ND	61.80	ND	NA	NA	NA	3368.15	
MW-1	10/07/09	3429.95	57.33	60.43	3.10	Pumped	2.00	18.00	3372.16	
MW-1	10/07/09	3429.95	ND	58.31	ND	NA	NA	NA	3371.64	
MW-1	10/07/09	3429.95	57.76	57.82	0.06	Pumped	0.25	9.75	3372.18	
MW-1	10/07/09	3429.95	ND	58.23	ND	NA	NA	NA	3371.72	
MW-1	10/14/09	3429.95	57.30	60.45	3.15	Pumped	2.00	18.00	3372.18	
MW-1	10/14/09	3429.95	ND	58.28	ND	NA	NA	NA	3371.67	
MW-1	10/14/09	3429.95	57.76	57.83	0.07	Pumped	0.25	9.75	3372.18	
MW-1	10/14/09	3429.95	ND	58.57	ND	NA	NA	NA	3371.38	
MW-1	10/21/09	3429.95	57.35	60.31	2.96	NA	NA	NA	3372.16	Pump Broken
MW-1	10/29/09	3429.95	57.20	61.02	3.82	NA	NA	NA	3372.18	Pump Broken
MW-1	11/04/09	3429.95	57.23	61.12	3.89	NA	NA	NA	3372.14	Pump Broken
MW-1	11/11/09	3429.95	57.12	61.04	3.92	Pumped	2.00	18.00	3372.24	
MW-1	11/11/09	3429.95	ND	58.33	ND	NA	NA	NA	3371.62	
MW-1	11/11/09	3429.95	57.20	61.02	3.82	Pumped	0.25	9.75	3372.18	
MW-1	11/11/09	3429.95	57.23	61.12	3.89	NA	NA	NA	3372.14	
MW-1	11/17/09	3429.95	57.41	60.53	3.12	Pumped	2.50	17.50	3372.07	
MW-1	11/17/09	3429.95	ND	58.43	ND	NA	NA	NA	3371.52	
MW-1	11/25/09	3429.95	57.25	60.77	3.52	Pumped	5.25	19.75	3372.17	
MW-1	11/25/09	3429.95	ND	59.44	ND	NA	NA	NA	3370.51	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	12/02/09	3429.95	57.30	60.76	3.46	Pumped	5.00	35.00	3372.13	
MW-1	12/02/09	3429.95	ND	60.61	ND	NA	NA	NA	3369.34	
MW-1	12/09/09	3429.95	57.29	60.65	3.36	Pumped	5.00	35.00	3372.16	
MW-1	12/09/09	3429.95	ND	59.21	ND	NA	NA	NA	3370.74	
MW-1	12/16/09	3429.95	57.31	60.55	3.24	Pumped	5.00	20.00	3372.15	
MW-1	12/16/09	3429.95	ND	59.83	ND	NA	NA	NA	3370.12	
MW-1	12/23/09	3429.95	57.26	60.53	3.27	Pumped	4.50	15.50	3372.20	
MW-1	12/23/09	3429.95	ND	59.85	ND	NA	NA	NA	3370.10	
MW-1	12/30/09	3429.95	57.31	60.58	3.27	Pumped	5.00	15.00	3372.15	
MW-1	12/30/09	3429.95	ND	59.15	ND	NA	NA	NA	3370.80	
MW-1	01/06/10	3429.95	57.26	60.58	3.32	Pumped	5.00	15.00	3372.19	
MW-1	01/06/10	3429.95	ND	60.30	ND	NA	NA	NA	3369.65	
MW-1	01/13/10	3429.95	57.31	60.52	3.21	Pumped	4.25	15.75	3372.16	
MW-1	01/13/10	3429.95	ND	58.63	ND	NA	NA	NA	3371.32	
MW-1	01/20/10	3429.95	57.25	60.50	3.25	Pumped	5.00	15.00	3372.21	
MW-1	01/20/10	3429.95	ND	60.41	ND	NA	NA	NA	3369.54	
MW-1	01/27/10	3429.95	57.32	60.60	3.28	Pumped	5.00	20.00	3372.14	
MW-1	01/27/10	3429.95	ND	58.86	ND	NA	NA	NA	3371.09	
MW-1	02/11/10	3429.95	57.15	61.18	4.03	Pumped	6.50	18.50	3372.20	
MW-1	02/11/10	3429.95	ND	61.72	ND	NA	NA	NA	3368.23	
MW-1	02/17/10	3429.95	57.31	60.85	3.54	Pumped	5.00	15.00	3372.11	
MW-1	02/17/10	3429.95	ND	60.25	ND	NA	NA	NA	3369.70	
MW-1	03/02/10	3429.95	57.28	60.18	2.90	Pumped	5.00	15.00	3372.24	
MW-1	03/02/10	3429.95	ND	59.65	ND	NA	NA	NA	3370.30	
MW-1	03/10/10	3429.95	57.17	60.62	3.45	Pumped	5.00	15.00	3372.26	
MW-1	03/10/10	3429.95	ND	58.65	ND	NA	NA	NA	3371.30	
MW-1	03/17/10	3429.95	57.20	60.27	3.07	Pumped	5.50	14.50	3372.29	
MW-1	03/17/10	3429.95	ND	58.32	ND	NA	NA	NA	3371.63	
MW-1	03/24/10	3429.95	57.23	60.55	3.32	Pumped	0.50	19.50	3372.22	
MW-1	03/24/10	3429.95	ND	59.36	ND	NA	NA	NA	3370.59	
MW-1	03/31/10	3429.95	57.22	60.45	3.23	Pumped	5.00	15.00	3372.25	
MW-1	03/31/10	3429.95	ND	59.09	ND	NA	NA	NA	3370.86	
MW-1	04/07/10	3429.95	57.28	60.52	3.24	Pumped	3.00	17.00	3372.18	
MW-1	04/07/10	3429.95	ND	58.30	ND	NA	NA	NA	3371.65	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	04/14/10	3429.95	57.25	60.50	3.25	Pumped	5.00	15.00	3372.21	
MW-1	04/14/10	3429.95	ND	60.05	ND	NA	NA	NA	3369.90	
MW-1	04/21/10	3429.95	57.24	60.45	3.21	Pumped	3.00	17.00	3372.23	
MW-1	04/21/10	3429.95	ND	59.73	ND	NA	NA	NA	3370.22	
MW-1	04/28/10	3429.95	57.25	60.45	3.20	Pumped	3.00	17.00	3372.22	
MW-1	04/28/10	3429.95	ND	59.44	ND	NA	NA	NA	3370.51	
MW-1	05/05/10	3429.95	57.22	60.31	3.09	NA	NA	NA	3372.27	
MW-1	05/12/10	3429.95	57.11	60.99	3.88	Pumped	3.50	6.00	3372.26	
MW-1	05/12/10	3429.95	ND	59.70	ND	NA	NA	NA	3370.25	
MW-1	05/19/10	3429.95	57.27	60.23	2.96	Pumped	4.00	16.00	3372.24	
MW-1	05/19/10	3429.95	ND	59.47	ND	NA	NA	NA	3370.48	
MW-1	05/29/10	3429.95	57.25	60.93	3.68	Pumped	4.00	16.00	3372.15	
MW-1	05/29/10	3429.95	ND	58.52	ND	NA	NA	NA	3371.43	
MW-1	06/02/10	3429.95	57.44	60.83	3.39	Pumped	4.00	16.00	3372.00	
MW-1	06/02/10	3429.95	ND	57.98	ND	NA	NA	NA	3371.97	
MW-1	06/12/10	3429.95	57.33	60.74	3.41	Pumped	3.50	16.50	3372.11	
MW-1	06/12/10	3429.95	ND	62.12	ND	NA	NA	NA	3367.83	
MW-1	06/15/10	3429.95	57.53	59.48	1.95	Pumped	3.00	17.00	3372.13	
MW-1	06/15/10	3429.95	ND	59.52	ND	NA	NA	NA	3370.43	
MW-1	06/25/10	3429.95	57.36	60.87	3.51	Pumped	2.00	18.00	3372.06	
MW-1	07/07/10	3429.95	57.44	60.72	3.28	NA	NA	NA	3372.02	
MW-1	07/14/10	3429.95	57.34	61.04	3.70	NA	NA	NA	3372.06	
MW-1	07/21/10	3429.95	57.52	61.62	4.10	Pumped	5.00	15.00	3371.82	
MW-1	07/21/10	3429.95	ND	59.61	ND	NA	NA	NA	3370.34	
MW-1	08/03/10	3429.95	57.44	60.21	2.77	Pumped	4.00	11.00	3372.09	
MW-1	08/03/10	3429.95	ND	60.10	ND	NA	NA	NA	3369.85	
MW-1	08/11/10	3429.95	57.47	60.43	2.96	NA	NA	NA	3372.04	
MW-1	08/18/10	3429.95	58.13	58.37	0.24	NA	NA	NA	3371.78	
MW-1	08/25/10	3429.95	57.75	59.85	2.10	NA	NA	NA	3371.89	
MW-1	09/01/10	3429.95	57.58	60.20	2.62	NA	NA	NA	3371.98	
MW-1	09/08/10	3429.95	57.40	60.60	3.20	Pumped	4.00	16.00	3372.07	
MW-1	09/08/10	3429.95	ND	60.52	ND	NA	NA	NA	3369.43	
MW-1	09/15/10	3429.95	57.45	60.35	2.90	Pumped	4.00	16.00	3372.07	
MW-1	09/15/10	3429.95	ND	59.67	ND	NA	NA	NA	3370.28	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	09/21/10	3429.95	57.50	60.01	2.51	Pumped	4.00	16.00	3372.07	
MW-1	09/21/10	3429.95	ND	60.58	ND	NA	NA	NA	3369.37	
MW-1	10/01/10	3429.95	57.34	60.72	3.38	Pumped	4.00	16.00	3372.10	
MW-1	10/01/10	3429.95	ND	60.67	ND	NA	NA	NA	3369.28	
MW-1	10/06/10	3429.95	57.60	60.75	3.15	Pumped	4.00	16.00	3371.88	
MW-1	10/06/10	3429.95	ND	60.67	ND	NA	NA	NA	3369.28	
MW-1	10/13/10	3429.95	57.50	60.01	2.51	Pumped	3.00	17.00	3372.07	
MW-1	10/13/10	3429.95	ND	61.93	ND	NA	NA	NA	3368.02	
MW-1	10/22/10	3429.95	57.45	60.46	3.01	Pumped	3.75	16.25	3372.05	
MW-1	10/22/10	3429.95	ND	64.84	ND	NA	NA	NA	3365.11	
MW-1	10/27/10	3429.95	57.53	59.60	2.07	Pumped	5.00	15.00	3372.11	
MW-1	10/27/10	3429.95	ND	61.98	ND	NA	NA	NA	3367.97	
MW-1	11/03/10	3429.95	57.41	60.63	3.22	NA	NA	NA	3372.06	
MW-1	11/10/10	3429.95	57.96	58.00	0.04	NA	NA	NA	3371.98	Recovery system
MW-1	11/16/10	3429.95	57.84	57.90	0.06	NA	NA	NA	3372.10	Recovery system
MW-1	11/23/10	3429.95	57.84	57.88	0.04	NA	NA	NA	3372.10	Recovery system
MW-1	12/01/10	3429.95	57.32	57.34	0.02	NA	NA	NA	3372.63	Recovery system
MW-1	12/08/10	3429.95	57.79	57.90	0.11	NA	NA	NA	3372.14	Recovery system
MW-1	12/15/10	3429.95	57.73	57.93	0.20	NA	NA	NA	3372.19	Recovery system
MW-1	12/21/10	3429.95	57.45	59.50	2.05	Pumped	3.00	7.00	3372.19	
MW-1	12/21/10	3429.95	ND	59.80	ND	NA	NA	NA	3370.15	
MW-1	01/08/11	3429.95	57.33	60.72	3.39	Pumped	4.00	6.00	3372.11	
MW-1	01/08/11	3429.95	ND	60.93	ND	NA	NA	NA	3369.02	
MW-1	01/12/11	3429.95	57.52	59.65	2.13	NA	NA	NA	3372.11	
MW-1	01/19/11	3429.95	57.24	60.41	3.17	Pumped	3.00	17.00	3372.23	
MW-1	01/19/11	3429.95	ND	59.62	ND	NA	NA	NA	3370.33	
MW-1	01/25/11	3429.95	57.42	59.94	2.52	Pumped	3.50	11.50	3372.15	
MW-1	01/25/11	3429.95	ND	58.34	ND	NA	NA	NA	3371.61	
MW-1	02/04/11	3429.95	57.50	60.67	3.17		0.20	24.80	3371.97	
MW-1	02/04/11	3429.95	ND	61.38	ND	NA	NA	NA	3368.57	
MW-1	02/08/11	3429.95	57.54	59.62	2.08		4.00	16.00	3372.10	
MW-1	02/08/11	3429.95	ND	60.92	ND	NA	NA	NA	3369.03	
MW-1	02/16/11	3429.95	57.50	60.49	2.99	NA	4.00	16.00	3372.00	
MW-1	02/16/11	3429.95	ND	59.60	ND	NA	NA	NA	3370.35	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	02/24/11	3429.95	57.45	60.13	2.68		5.00	5.00	3372.10	
MW-1	02/24/11	3429.95	ND	58.84	ND	NA	NA	NA	3371.11	
MW-1	03/02/11	3429.95	57.55	60.38	2.83		4.00	16.00	3371.98	
MW-1	03/02/11	3429.95	ND	61.00	ND	NA	NA	NA	3368.95	
MW-1	04/20/11	3429.95	57.54	60.01	2.47	NA	NA	NA	3372.04	
MW-1	04/27/11	3429.95	58.52	58.72	0.20	NA	NA	NA	3371.40	After system ran
MW-1	05/04/11	3429.95	57.53	59.49	1.96	NA	NA	NA	3372.13	NA
MW-1	05/11/11	3429.95	57.35	60.84	3.49		2.00	8.00	3372.08	NA
MW-1	05/11/11	3429.95	ND	58.68	ND	NA	NA	NA	3371.27	
MW-1	05/19/11	3429.95	57.63	59.55	1.92	NA	NA	NA	3372.03	
MW-1	05/24/11	3429.95	57.88	58.35	0.47	NA	NA	NA	3372.00	
MW-1	06/03/11	3429.95	57.65	60.55	2.90	NA	NA	NA	3371.87	
MW-1	06/08/11	3429.95	57.68	58.99	1.31	NA	NA	NA	3372.07	
MW-1	06/17/11	3429.95	57.81	59.26	1.45	NA	NA	NA	3371.92	
MW-1	06/29/11	3429.95	57.64	61.71	4.07	Pumped	4.00	9.00	3371.70	
MW-1	06/29/11	3429.95	58.36	58.44	0.08	NA	NA	NA	3371.58	
MW-1	07/06/11	3429.95	57.70	60.70	3.00	NA	NA	NA	3371.80	
MW-1	07/13/11	3429.95	57.55	61.40	3.85	NA	NA	NA	3371.82	
MW-1	07/21/11	3429.95	57.56	61.54	3.98	NA	NA	NA	3371.79	
MW-1	08/24/11	3429.95	57.90	60.67	2.77	NA	NA	NA	3371.63	
MW-1	09/21/11	3429.95	57.79	61.91	4.12	NA	NA	NA	3371.54	
MW-1	10/05/11	3429.95	57.76	61.76	4.00		2.75	7.25	3371.59	
MW-1	10/05/11	3429.95	ND	59.81	ND	NA	NA	NA	3370.14	
MW-1	10/18/11	3429.95	57.77	61.67	3.90		2.50	7.50	3371.60	
MW-1	10/18/11	3429.95	ND	59.94	ND	NA	NA	NA	3370.01	
MW-1	10/28/11	3429.95	57.84	61.52	3.68		0.75	9.25	3371.56	
MW-1	10/28/11	3429.95	ND	60.30	ND	NA	NA	NA	3369.65	
MW-1	11/02/11	3429.95	58.00	60.80	2.80		1.00	14.00	3371.53	
MW-1	11/02/11	3429.95	ND	59.39	ND	NA	NA	NA	3370.56	
MW-1	11/09/11	3429.95	57.92	61.00	3.08	NA	NA	NA	3371.57	
MW-1	11/18/11	3429.95	57.78	61.59	3.81	NA	NA	NA	3371.60	
MW-1	11/23/11	3429.95	57.79	61.81	4.02	NA	1.00	9.00	3371.56	
MW-1	11/23/11	3429.95	ND	59.55	ND	NA	NA	NA	3370.40	
MW-1	11/29/11	3429.95	57.92	60.90	2.98	NA	NA	NA	3371.58	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	12/13/11	3429.95	57.78	61.70	3.92		0.75	9.75	3371.58	
MW-1	12/13/11	3429.95	ND	62.11	ND	NA	NA	NA	3367.84	
MW-1	12/20/11	3429.95	57.88	61.10	3.22		1.00	9.00	3371.59	
MW-1	12/27/11	3429.95	57.96	61.47	3.51		1.00	9.00	3371.46	
MW-1	12/27/11	3429.95	ND	60.39	ND	NA	NA	NA	3369.56	
MW-1	01/04/12	3429.95	57.93	60.98	3.05	NA	NA	NA	3371.56	
MW-1	01/13/12	3429.95	57.86	61.52	3.66	NA	NA	NA	3371.54	
MW-1	01/18/12	3429.95	57.80	61.68	3.88	NA	NA	NA	3371.57	
MW-1	01/27/12	3429.95	57.80	61.81	4.01	NA	NA	NA	3371.55	
MW-1	02/02/12	3429.95	57.78	61.72	3.94	NA	NA	NA	3371.58	
MW-1	02/08/12	3429.95	57.80	61.75	3.95	NA	NA	NA	3371.56	
MW-1	02/15/12	3429.95	57.78	61.87	4.09	NA	NA	NA	3371.56	
MW-1	02/23/12	3429.95	57.74	61.89	4.15	NA	NA	NA	3371.59	
MW-1	02/29/12	3429.95	57.97	61.99	4.02	NA	NA	NA	3371.38	
MW-1	03/14/12	3429.95	NG	NG	NG	NG	NG	NG	NG	No Key
MW-1	03/21/12	3429.95	57.92	61.04	3.12	NA	NA	NA	3371.56	
MW-1	03/29/12	3429.95	57.70	60.52	2.82	NA	NA	NA	3371.83	
MW-1	04/03/12	3429.95	57.77	62.04	4.27	NA	NA	NA	3371.54	
MW-1	04/11/12	3429.95	57.86	62.08	4.22	NA	NA	NA	3371.46	
MW-1	04/20/12	3429.95	57.80	62.05	4.25	NA	NA	NA	3371.51	
MW-1	04/26/12	3429.95	57.80	61.66	3.86	NA	NA	NA	3371.57	
MW-1	05/02/12	3429.95	57.78	61.98	4.20	NA	NA	NA	3371.54	
MW-1	05/09/12	3429.95	57.82	61.88	4.06		0.50	9.50	3371.52	
MW-1	05/09/12	3429.95	ND	59.30	ND	NA	NA	NA	3370.65	
MW-1	05/16/12	3429.95	57.50	59.82	2.32	NA	0.50	9.50	3372.10	
MW-1	05/16/12	3429.95	ND	60.27	ND	NA	NA	NA	3369.68	
MW-1	05/24/12	3429.95	57.83	61.70	3.87	NA	NA	NA	3371.54	
MW-1	05/29/12	3429.95	58.01	60.37	2.36	NA	1.00	9.00	3371.59	
MW-1	05/29/12	3429.95	ND	62.04	ND	NA	NA	NA	3367.91	
MW-1	06/06/12	3429.95	57.92	61.49	3.57	NA	1.00	19.00	3371.49	
MW-1	06/06/12	3429.95	ND	62.10	ND	NA	NA	NA	3367.85	
MW-1	06/13/12	3429.95	57.85	61.44	3.59	NA	1.00	19.00	3371.56	
MW-1	06/13/12	3429.95	ND	62.41	ND	NA	NA	NA	3367.54	
MW-1	06/19/12	3429.95	57.82	61.70	3.88	NA	2.00	5.00	3371.55	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	06/19/12	3429.95	ND	61.02	ND	NA	NA	NA	3368.93	
MW-1	06/27/12	3429.95	58.00	61.06	3.06	NA	1.00	9.00	3371.49	
MW-1	06/27/12	3429.95	ND	59.14	ND	NA	NA	NA	3370.81	
MW-1	07/05/12	3429.95	58.06	61.00	2.94	NA	NA	NA	3371.45	
MW-1	07/11/12	3429.95	57.98	61.57	3.59	NA	NA	NA	3371.43	
MW-1	07/18/12	3429.95	57.94	61.80	3.86	NA	1.00	9.00	3371.43	
MW-1	07/18/12	3429.95	ND	60.41	ND	NA	NA	NA	3369.54	
MW-1	07/25/12	3429.95	58.13	60.72	2.59	NA	2.00	15.00	3371.43	
MW-1	07/25/12	3429.95	ND	62.75	ND	NA	NA	NA	3367.20	
MW-1	07/31/12	3429.95	58.30	60.22	1.92	NA	2.00	18.00	3371.36	
MW-1	07/31/12	3429.95	ND	60.96	ND	NA	NA	NA	3368.99	
MW-1	08/08/12	3429.95	58.07	61.55	3.48	NA	2.00	18.00	3371.36	
MW-1	08/08/12	3429.95	ND	62.80	ND	NA	NA	NA	3367.15	
MW-1	08/13/12	3429.95	58.38	60.00	1.62	NA	NA	NA	3371.33	
MW-1	08/20/12	3429.95	58.14	61.22	3.08	NA	NA	NA	3371.35	
MW-1	09/05/12	3429.95	58.45	61.30	2.85	NA	NA	NA	3371.07	
MW-1	09/12/12	3429.95	NG	NG	NG	NA	NA	NA	NG	
MW-1	10/02/12	3429.95	58.07	59.95	1.88	NA	NA	NA	3371.60	
MW-1	10/10/12	3429.95	58.03	62.09	4.06	NA	NA	NA	3371.31	
MW-1	10/16/12	3429.95	58.02	62.04	4.02	NA	NA	NA	3371.33	
MW-1	10/16/12	3429.95	ND	60.87	ND	NA	NA	NA	3369.08	
MW-1	10/24/12	3429.95	58.38	60.16	1.78	NA	NA	NA	3371.30	
MW-1	10/24/12	3429.95	ND	61.11	ND	NA	NA	NA	3368.84	
MW-1	10/30/12	3429.95	58.28	60.81	2.53	NA	NA	NA	3371.29	
MW-1	11/06/12	3429.95	58.44	60.04	1.60	NA	0.10	10.00	3371.27	
MW-1	11/06/12	3429.95	ND	60.22	ND	NA	NA	NA	3369.73	
MW-1	11/13/12	3429.95	58.30	60.85	2.55	NA	0.50	9.50	3371.27	
MW-1	11/13/12	3429.95	ND	61.74	ND	NA	NA	NA	3368.21	
MW-1	11/19/12	3429.95	58.50	59.70	1.20	NA	NA	NA	3371.27	
MW-1	12/05/12	3429.95	58.23	66.04	7.81	NA	1.00	9.00	3370.55	
MW-1	12/05/12	3429.95	ND	59.17	ND	NA	NA	NA	3370.78	
MW-1	12/11/12	3429.95	58.53	59.83	1.30	NA	1.00	9.00	3371.23	
MW-1	12/11/12	3429.95	ND	58.88	ND	NA	NA	NA	3371.07	
MW-1	01/03/13	3429.95	58.29	61.00	2.71	NA	NA	NA	3371.25	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	01/16/13	3429.95	58.15	61.85	3.70	NA	1.00	9.00	3371.25	
MW-1	01/23/13	3429.95	58.53	59.72	1.19	NA	0.50	9.50	3371.24	
MW-1	01/30/13	3429.95	58.45	60.15	1.70	NA	0.50	9.50	3371.25	
MW-1	02/07/13	3429.95	58.32	60.88	2.56	NA	0.50	9.50	3371.25	
MW-1	02/13/13	3429.95	58.22	61.25	3.03	NA	1.00	9.00	3371.28	
MW-1	02/28/13	3429.95	58.50	59.71	1.21	NA	NA	NA	3371.27	Sampled
MW-1	03/05/13	3429.95	58.25	61.28	3.03	NA	1.00	9.00	3371.25	
MW-1	03/15/13	3429.95	58.31	61.50	3.19	NA	1.00	10.00	3371.16	
MW-1	03/21/13	3429.95	58.26	60.96	2.70	NA	NA	NA	3371.29	
MW-1	03/29/13	3429.95	58.28	61.50	3.22	NA	0.50	9.50	3371.19	
MW-1	04/09/13	3429.95	58.20	60.09	1.89	NA	0.50	9.50	3371.47	
MW-1	04/20/13	3429.95	58.16	60.25	2.09	NA	0.50	9.50	3371.48	
MW-1	04/23/13	3429.95	ND	ND	ND	NA	NA	NA	ND	Interface Malfunction- Rec only
MW-1	05/01/13	3429.95	58.57	59.22	0.65	NA	0.50	9.50	3371.28	
MW-1	05/15/13	3429.95	58.50	59.95	1.45	NA	0.50	9.50	3371.23	
MW-1	05/21/13	3429.95	58.51	60.34	1.83	NA	0.50	9.50	3371.17	
MW-1	06/04/13	3429.95	58.58	60.25	1.67	NA	0.50	9.50	3371.12	
MW-1	06/13/13	3429.95	58.68	59.68	1.00	NA	3.00	17.00	3371.12	Sampled
MW-1	06/17/13	3429.95	58.75	59.24	0.49	NA	0.10	9.50	3371.13	
MW-1	06/26/13	3429.95	58.66	59.73	1.07	NA	NA	NA	3371.13	
MW-1	07/03/13	3429.95	58.62	60.00	1.38	NA	NA	NA	3371.12	
MW-1	07/10/13	3429.95	58.60	60.30	1.70	NA	NA	NA	3371.10	
MW-1	08/07/13	3429.95	58.60	59.82	1.22	NA	NA	NA	3371.17	
MW-1	08/14/13	3429.95	58.73	59.95	1.22	NA	NA	NA	3371.04	
MW-1	08/21/13	3429.95	58.70	59.90	1.20	NA	2.00	8.00	3371.07	
MW-1	08/28/13	3429.95	58.85	59.60	0.75	NA	1.00	9.00	3370.99	
MW-1	09/06/13	3429.95	58.90	59.56	0.66	NA	0.50	9.50	3370.95	
MW-1	09/11/13	3429.95	58.93	59.38	0.45	NA	NA	NA	3370.95	
MW-1	09/21/13	3429.95	58.92	59.55	0.63	NA	0.25	5.75	3370.94	Dry
MW-1	09/28/13	3429.95	58.93	59.50	0.57	NA	NA	NA	3370.93	
MW-1	10/02/13	3429.95	58.90	59.60	0.70	NA	1.00	9.00	3370.95	
MW-1	10/11/13	3429.95	58.85	59.90	1.05	NA	1.00	9.00	3370.94	
MW-1	10/16/13	3429.95	58.80	59.92	1.12	NA	1.00	9.00	3370.98	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-1	10/30/13	3429.95	58.71	60.45	1.74	NA	0.50	9.50	3370.98	
MW-1R	11/13/13	3429.95	59.25	59.38	0.13	NA	0.10	50.00	3370.68	
MW-1R	11/20/13	3429.95	59.15	59.40	0.25	NA	1.00	14.00	3370.76	
MW-1R	11/27/13	3429.95	59.13	59.78	0.65	NA	1.00	19.00	3370.72	
MW-1R	12/13/13	3429.95	59.05	60.15	1.10	NA	NA	NA	3370.74	
MW-1R	12/17/13	3429.95	59.08	60.25	1.17	NA	1.50	18.50	3370.69	
MW-2	02/21/07	3429.97	ND	57.60	ND	NA	NA	NA	3372.37	
MW-2	03/07/07	3429.97	ND	57.56	ND	NA	NA	NA	3372.41	Installed Sock
MW-2	03/14/07	3429.97	ND	57.60	ND	NA	NA	NA	3372.37	Sock
MW-2	03/21/07	3429.97	ND	57.56	ND	NA	NA	NA	3372.41	Sock
MW-2	03/28/07	3429.97	ND	57.54	ND	NA	NA	NA	3372.43	Sock
MW-2	04/03/07	3429.97	ND	57.60	ND	NA	NA	NA	3372.37	Sock
MW-2	04/10/07	3429.97	ND	57.65	ND	NA	NA	NA	3372.32	Sock
MW-2	04/18/07	3429.97	ND	57.58	ND	NA	NA	NA	3372.39	Sock
MW-2	04/24/07	3429.97	ND	57.63	ND	NA	NA	NA	3372.34	Sock
MW-2	05/03/07	3429.97	ND	57.64	ND	NA	NA	NA	3372.33	Sock
MW-2	05/11/07	3429.97	ND	57.62	ND	NA	NA	NA	3372.35	Sock
MW-2	05/16/07	3429.97	ND	57.65	ND	NA	NA	NA	3372.32	Sock
MW-2	05/23/07	3429.97	ND	57.65	ND	NA	NA	NA	3372.32	Sock
MW-2	05/31/07	3429.97	ND	57.58	ND	NA	NA	NA	3372.39	New Sock
MW-2	06/06/07	3429.97	ND	57.53	ND	NA	NA	NA	3372.44	Sock
MW-2	06/13/07	3429.97	ND	57.57	ND	NA	NA	NA	3372.40	Sock
MW-2	06/19/07	3429.97	ND	57.56	ND	NA	NA	NA	3372.41	Sock
MW-2	06/27/07	3429.97	ND	57.57	ND	NA	NA	NA	3372.40	Sock
MW-2	07/05/07	3429.97	ND	57.54	ND	NA	NA	NA	3372.43	Sock
MW-2	07/11/07	3429.97	ND	57.57	ND	NA	NA	NA	3372.40	Sock
MW-2	07/19/07	3429.97	ND	57.55	ND	NA	NA	NA	3372.42	Flipped Sock
MW-2	07/24/07	3429.97	ND	57.59	ND	NA	NA	NA	3372.38	Sock
MW-2	07/31/07	3429.97	ND	57.62	ND	NA	NA	NA	3372.35	Sock
MW-2	08/09/07	3429.97	ND	57.70	ND	NA	NA	NA	3372.27	Sock
MW-2	08/16/07	3429.97	57.57	57.70	0.13	NA	NA	NA	3372.38	Sock
MW-2	08/22/07	3429.97	ND	57.54	ND	NA	NA	NA	3372.43	Sock
MW-2	08/28/07	3429.97	ND	57.70	ND	NA	NA	NA	3372.27	Sock

TABLE 2
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 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-2	09/06/07	3429.97	ND	57.56	ND	NA	NA	NA	3372.41	Sock
MW-2	09/13/07	3429.97	ND	57.75	ND	NA	NA	NA	3372.22	Sock
MW-2	09/18/07	3429.97	ND	57.73	ND	NA	NA	NA	3372.24	Sock
MW-2	09/26/07	3429.97	ND	57.78	ND	NA	NA	NA	3372.19	Sock
MW-2	10/04/07	3429.97	ND	57.77	ND	NA	NA	NA	3372.20	New Sock
MW-2	10/10/07	3429.97	ND	57.67	ND	NA	NA	NA	3372.30	Sock
MW-2	10/17/07	3429.97	ND	57.70	ND	NA	NA	NA	3372.27	Sock
MW-2	10/24/07	3429.97	ND	57.75	ND	NA	NA	NA	3372.22	Sock
MW-2	10/31/07	3429.97	ND	57.76	ND	NA	NA	NA	3372.21	Sock
MW-2	11/07/07	3429.97	ND	57.83	ND	NA	NA	NA	3372.14	Sock
MW-2	11/13/07	3429.97	ND	57.70	ND	NA	NA	NA	3372.27	Sock
MW-2	11/20/07	3429.97	ND	57.86	ND	NA	NA	NA	3372.11	Sock
MW-2	11/27/07	3429.97	ND	57.84	ND	NA	NA	NA	3372.13	Sock
MW-2	12/05/07	3429.97	ND	57.71	ND	NA	NA	NA	3372.26	Flipped Sock
MW-2	12/12/07	3429.97	ND	57.70	ND	NA	NA	NA	3372.27	Sock
MW-2	12/18/07	3429.97	ND	57.73	ND	NA	NA	NA	3372.24	Sock
MW-2	12/27/07	3429.97	ND	57.70	ND	NA	NA	NA	3372.27	Sock
MW-2	01/03/08	3429.97	ND	57.75	ND	NA	NA	NA	3372.22	Sock
MW-2	01/09/08	3429.97	ND	58.07	ND	NA	NA	NA	3371.90	Sock
MW-2	01/17/08	3429.97	ND	57.61	ND	NA	NA	NA	3372.36	Sock
MW-2	01/23/08	3429.97	ND	57.60	ND	NA	NA	NA	3372.37	Sock
MW-2	01/30/08	3429.97	ND	57.64	ND	NA	NA	NA	3372.33	Sock
MW-2	02/06/08	3429.97	ND	57.65	ND	NA	NA	NA	3372.32	Sock
MW-2	02/13/08	3429.97	ND	57.57	ND	NA	NA	NA	3372.40	Sock
MW-2	02/19/08	3429.97	ND	57.58	ND	NA	NA	NA	3372.39	Sock
MW-2	02/27/08	3429.97	ND	57.63	ND	NA	NA	NA	3372.34	Sock
MW-2	03/04/08	3429.97	ND	57.71	ND	NA	NA	NA	3372.26	Sock
MW-2	03/12/08	3429.97	ND	57.53	ND	NA	NA	NA	3372.44	Sock
MW-2	03/19/08	3429.97	ND	57.75	ND	NA	NA	NA	3372.22	Sock
MW-2	03/26/08	3429.97	ND	57.66	ND	NA	NA	NA	3372.31	Sock
MW-2	04/02/08	3429.97	ND	57.58	ND	NA	NA	NA	3372.39	Sock
MW-2	04/09/08	3429.97	ND	57.60	ND	NA	NA	NA	3372.37	Sock
MW-2	04/16/08	3429.97	ND	57.66	ND	NA	NA	NA	3372.31	Sock
MW-2	04/24/08	3429.97	ND	57.55	ND	NA	NA	NA	3372.42	Sock

TABLE 2
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 Plains Marketing, L.P.
 Hugh Gathering
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-2	04/30/08	3429.97	ND	57.56	ND	NA	NA	NA	3372.41	Sock
MW-2	05/07/08	3429.97	ND	57.58	ND	NA	NA	NA	3372.39	Sock
MW-2	05/14/08	3429.97	ND	57.60	ND	NA	NA	NA	3372.37	Sock
MW-2	05/20/08	3429.97	ND	57.64	ND	NA	NA	NA	3372.33	Sock
MW-2	05/29/08	3429.97	ND	57.64	ND	NA	NA	NA	3372.33	Sock
MW-2	06/04/08	3429.97	ND	57.73	ND	NA	NA	NA	3372.24	Sock
MW-2	06/11/08	3429.97	ND	57.77	ND	NA	NA	NA	3372.20	Sock
MW-2	06/18/08	3429.97	ND	57.82	ND	NA	NA	NA	3372.15	Sock
MW-2	06/26/08	3429.97	ND	57.87	ND	NA	NA	NA	3372.10	Sock
MW-2	07/02/08	3429.97	ND	57.87	ND	NA	NA	NA	3372.10	Sock
MW-2	07/07/08	3429.97	ND	57.80	ND	NA	NA	NA	3372.17	Sock
MW-2	07/16/08	3429.97	ND	57.78	ND	NA	NA	NA	3372.19	Sock
MW-2	07/21/08	3429.97	ND	57.82	ND	NA	NA	NA	3372.15	Sock
MW-2	07/29/08	3429.97	ND	57.86	ND	NA	NA	NA	3372.11	Sock
MW-2	08/06/08	3429.97	ND	57.87	ND	NA	NA	NA	3372.10	Sock
MW-2	08/13/08	3429.97	ND	57.79	ND	NA	NA	NA	3372.18	Sock
MW-2	08/18/08	3429.97	ND	57.71	ND	NA	NA	NA	3372.26	Sock
MW-2	08/27/08	3429.97	ND	57.74	ND	NA	NA	NA	3372.23	Sock
MW-2	09/02/08	3429.97	ND	57.79	ND	NA	NA	NA	3372.18	Sock
MW-2	09/09/08	3429.97	ND	57.84	ND	NA	NA	NA	3372.13	Sock
MW-2	09/17/08	3429.97	ND	57.82	ND	NA	NA	NA	3372.15	Sock
MW-2	09/24/08	3429.97	ND	57.76	ND	NA	NA	NA	3372.21	Sock
MW-2	10/01/08	3429.97	ND	57.77	ND	NA	NA	NA	3372.20	Sock
MW-2	10/08/08	3429.97	ND	57.75	ND	NA	NA	NA	3372.22	Sock
MW-2	10/15/08	3429.97	ND	57.77	ND	NA	NA	NA	3372.20	Sock
MW-2	10/22/08	3429.97	ND	57.73	ND	NA	NA	NA	3372.24	Sock
MW-2	10/29/08	3429.97	ND	57.75	ND	NA	NA	NA	3372.22	Sock
MW-2	11/05/08	3429.97	ND	57.71	ND	NA	NA	NA	3372.26	Sock
MW-2	11/12/08	3429.97	NG	NG	NG	NA	NA	NA	NG	Sock
MW-2	11/20/08	3429.97	ND	58.02	ND	NA	NA	NA	3371.95	Sock
MW-2	11/26/08	3429.97	ND	57.77	ND	NA	NA	NA	3372.20	Sock
MW-2	12/03/08	3429.97	ND	57.79	ND	NA	NA	NA	3372.18	Sock
MW-2	12/10/08	3429.97	ND	57.76	ND	NA	NA	NA	3372.21	Sock
MW-2	12/17/08	3429.97	ND	57.78	ND	NA	NA	NA	3372.19	Sock

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Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-2	12/21/08	3429.97	ND	57.85	ND	NA	NA	NA	3372.12	Sock
MW-2	12/31/08	3429.97	ND	57.76	ND	NA	NA	NA	3372.21	Sock
MW-2	01/02/09	3429.97	ND	57.76	ND	NA	NA	NA	3372.21	Sock
MW-2	01/07/09	3429.97	ND	57.73	ND	NA	NA	NA	3372.24	Sock
MW-2	01/15/09	3429.97	ND	57.79	ND	NA	NA	NA	3372.18	Sock
MW-2	01/22/09	3429.97	ND	57.69	ND	NA	NA	NA	3372.28	New Sock
MW-2	01/28/09	3429.97	ND	57.76	ND	NA	NA	NA	3372.21	Sock
MW-2	02/04/09	3429.97	ND	57.69	ND	NA	NA	NA	3372.28	Sock
MW-2	02/04/09	3429.97	ND	57.72	ND	NA	NA	NA	3372.25	Sock
MW-2	02/18/09	3429.97	ND	57.69	ND	Pumped	0.00	18.00	3372.28	Sock
MW-2	02/18/09	3429.97	ND	58.07	ND	NA	NA	NA	3371.90	
MW-2	02/25/09	3429.97	ND	57.66	ND	NA	NA	NA	3372.31	Sock
MW-2	03/04/09	3429.97	ND	57.69	ND	NA	NA	NA	3372.28	Sock
MW-2	03/11/09	3429.97	ND	57.73	ND	Pumped	0.00	20.00	3372.24	Flipped Sock
MW-2	03/11/09	3429.97	ND	58.27	ND	NA	NA	NA	3371.70	
MW-2	03/18/09	3429.97	ND	57.65	ND	NA	NA	NA	3372.32	Sock
MW-2	03/25/09	3429.97	ND	57.67	ND	Pumped	0.00	15.00	3372.30	Sock
MW-2	03/25/09	3429.97	ND	58.33	ND	NA	NA	NA	3371.64	
MW-2	04/01/09	3429.97	ND	57.63	ND	NA	NA	NA	3372.34	Sock
MW-2	04/08/09	3429.97	ND	57.68	ND	NA	NA	NA	3372.29	Sock
MW-2	04/15/09	3429.97	ND	57.68	ND	NA	NA	NA	3372.29	Sock
MW-2	04/22/09	3429.97	ND	57.68	ND	NA	NA	NA	3372.29	Sock
MW-2	04/29/09	3429.97	ND	57.64	ND	NA	NA	NA	3372.33	Sock
MW-2	05/06/09	3429.97	ND	57.64	ND	NA	NA	NA	3372.33	Sock
MW-2	05/06/09	3429.97	ND	58.28	ND		0.00	15.00	3371.69	Sock
MW-2	05/14/09	3429.97	ND	57.76	ND	NA	NA	NA	3372.21	Sock
MW-2	05/20/09	3429.97	ND	57.66	ND	NA	NA	NA	3372.31	Sock
MW-2	05/27/09	3429.97	ND	57.77	ND		0.00	28.00	3372.20	Sock
MW-2	05/27/09	3429.97	ND	58.04	ND	NA	NA	NA	3371.93	Sock
MW-2	06/03/09	3429.97	ND	57.70	ND	NA	NA	NA	3372.27	Sock
MW-2	06/11/09	3429.97	ND	57.73	ND	NA	NA	NA	3372.24	Sock
MW-2	06/17/09	3429.97	ND	57.83	ND	NA	NA	NA	3372.14	Sock
MW-2	06/23/09	3429.97	ND	57.80	ND		0.00	10.00	3372.17	Sock
MW-2	07/01/09	3429.97	ND	57.80	ND	NA	NA	NA	3372.17	Sock

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							PSH	H ₂ O		
MW-2	07/07/09	3429.97	ND	57.79	ND		0.00	10.00	3372.18	Sock
MW-2	07/07/09	3429.97	ND	59.30	ND	NA	NA	NA	3370.67	Sock
MW-2	07/15/09	3429.97	ND	57.84	ND	NA	NA	NA	3372.13	Sock
MW-2	07/22/09	3429.97	ND	57.92	ND		0.00	10.00	3372.05	
MW-2	07/22/09	3429.97	ND	58.37	ND	NA	NA	NA	3371.60	
MW-2	07/29/09	3429.97	ND	57.87	ND	NA	NA	NA	3372.10	
MW-2	08/05/09	3429.97	ND	57.87	ND	NA	NA	NA	3372.10	New Sock
MW-2	08/12/09	3429.97	ND	57.89	ND	Pumped	0.00	10.00	3372.08	
MW-2	08/12/09	3429.97	ND	61.54	ND	NA	NA	NA	3368.43	
MW-2	08/19/09	3429.97	ND	57.90	ND	NA	NA	NA	3372.07	Flipped Sock
MW-2	08/27/09	3429.97	ND	57.95	ND	NA	NA	NA	3372.02	
MW-2	09/02/09	3429.97	ND	57.92	ND	NA	NA	NA	3372.05	
MW-2	09/08/09	3429.97	ND	57.93	ND	Pumped	0.10	9.90	3372.04	
MW-2	09/08/09	3429.97	ND	61.22	ND	NA	NA	NA	3368.75	
MW-2	09/16/09	3429.97	ND	58.02	ND	NA	NA	NA	3371.95	
MW-2	09/23/09	3429.97	ND	58.05	ND	Pumped	0.00	10.00	3371.92	
MW-2	09/23/09	3429.97	ND	58.05	ND	NA	NA	NA	3371.92	
MW-2	09/30/09	3429.97	ND	57.96	ND	Pumped	0.00	10.00	3372.01	
MW-2	09/30/09	3429.97	ND	59.95	ND	NA	NA	NA	3370.02	
MW-2	10/07/09	3429.97	ND	57.99	ND	Pumped	0.00	10.00	3371.98	
MW-2	10/07/09	3429.97	ND	59.90	ND	NA	NA	NA	3370.07	
MW-2	10/14/09	3429.97	ND	58.01	ND	NA	NA	NA	3371.96	
MW-2	10/21/09	3429.97	ND	58.01	ND	Hand Bailed	0.00	10.00	3371.96	
MW-2	10/21/09	3429.97	ND	58.45	ND	NA	NA	NA	3371.52	
MW-2	10/29/09	3429.97	ND	57.98	ND	Pumped	0.00	15.00	3371.99	
MW-2	10/29/09	3429.97	ND	59.17	ND	NA	NA	NA	3370.80	
MW-2	11/04/09	3429.97	ND	57.95	ND	NA	NA	NA	3372.02	
MW-2	11/11/09	3429.97	ND	58.02	ND	Pumped	0.00	15.00	3371.95	
MW-2	11/11/09	3429.97	ND	59.35	ND	NA	NA	NA	3370.62	
MW-2	11/17/09	3429.97	ND	58.01	ND	Pumped	0.00	10.00	3371.96	
MW-2	11/17/09	3429.97	ND	59.49	ND	NA	NA	NA	3370.48	Flipped Sock
MW-2	11/25/09	3429.97	ND	57.97	ND	Pumped	0.00	15.00	3372.00	
MW-2	11/25/09	3429.97	ND	59.33	ND	NA	NA	NA	3370.64	
MW-2	12/02/09	3429.97	ND	57.78	ND	Pumped	0.10	14.90	3372.19	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-2	12/02/09	3429.97	ND	60.65	ND	NA	NA	NA	3369.32	
MW-2	12/09/09	3429.97	ND	57.98	ND	Pumped	0.00	15.00	3371.99	
MW-2	12/09/09	3429.97	ND	59.69	ND	NA	NA	NA	3370.28	
MW-2	12/16/09	3429.97	ND	57.98	ND	Pumped	0.00	15.00	3371.99	
MW-2	12/16/09	3429.97	ND	60.24	ND	NA	NA	NA	3369.73	
MW-2	12/23/09	3429.97	ND	58.60	ND	Pumped	0.00	10.00	3371.37	
MW-2	12/23/09	3429.97	ND	59.26	ND	NA	NA	NA	3370.71	
MW-2	12/30/09	3429.97	ND	58.08	ND	Pumped	0.10	24.90	3371.89	
MW-2	12/30/09	3429.97	ND	60.27	ND	NA	NA	NA	3369.70	
MW-2	01/06/10	3429.97	ND	58.02	ND	NA	NA	NA	3371.95	
MW-2	01/13/10	3429.97	ND	58.02	ND	Pumped	0.10	24.90	3371.95	
MW-2	01/13/10	3429.97	ND	60.82	ND	NA	NA	NA	3369.15	
MW-2	01/20/10	3429.97	ND	58.02	ND	Pumped	0.00	15.00	3371.95	
MW-2	01/20/10	3429.97	ND	59.83	ND	NA	NA	NA	3370.14	
MW-2	01/27/10	3429.97	ND	58.06	ND	Pumped	0.10	19.90	3371.91	
MW-2	01/27/10	3429.97	ND	59.92	ND	NA	NA	NA	3370.05	
MW-2	02/11/10	3429.97	ND	57.96	ND	Pumped	0.00	10.00	3372.01	
MW-2	02/11/10	3429.97	ND	59.42	ND	NA	NA	NA	3370.55	
MW-2	02/17/10	3429.97	ND	58.10	ND	Pumped	0.10	9.90	3371.87	
MW-2	02/17/10	3429.97	ND	59.75	ND	NA	NA	NA	3370.22	
MW-2	03/02/10	3429.97	ND	57.87	ND	NA	NA	NA	3372.10	
MW-2	03/10/10	3429.97	ND	57.86	ND	Pumped	0.10	19.90	3372.11	
MW-2	03/10/10	3429.97	ND	58.81	ND	NA	NA	NA	3371.16	
MW-2	03/17/10	3429.97	ND	57.98	ND	Pumped	0.10	19.90	3371.99	
MW-2	03/17/10	3429.97	ND	59.13	ND	NA	NA	NA	3370.84	
MW-2	03/24/10	3429.97	ND	57.90	ND	NA	NA	NA	3372.07	
MW-2	03/31/10	3429.97	ND	57.87	ND	NA	NA	NA	3372.10	
MW-2	04/07/10	3429.97	ND	58.02	ND	NA	NA	NA	3371.95	
MW-2	04/14/10	3429.97	ND	57.89	ND	Pumped	0.10	19.90	3372.08	
MW-2	04/14/10	3429.97	ND	59.55	ND	NA	NA	NA	3370.42	
MW-2	04/21/10	3429.97	ND	57.88	ND	NA	NA	NA	3372.09	
MW-2	04/28/10	3429.97	ND	57.89	ND	Pumped	0.10	19.90	3372.08	
MW-2	04/28/10	3429.97	ND	58.53	ND	NA	NA	NA	3371.44	
MW-2	05/05/10	3429.97	57.84	57.85	0.01	Hand Bailed	0.10	9.90	3372.13	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-2	05/05/10	3429.97	ND	60.40	ND	NA	NA	NA	3369.57	
MW-2	05/12/10	3429.97	57.84	57.85	0.01	Pumped	0.10	29.90	3372.13	
MW-2	05/12/10	3429.97	ND	60.30	ND	NA	NA	NA	3369.67	
MW-2	05/19/10	3429.97	57.98	58.00	0.02	Pumped	0.10	9.90	3371.99	
MW-2	05/19/10	3429.97	ND	58.82	ND	NA	NA	NA	3371.15	
MW-2	05/29/10	3429.97	57.98	57.99	0.01	Pumped	0.10	19.90	3371.99	
MW-2	05/29/10	3429.97	ND	60.25	ND	NA	NA	NA	3369.72	
MW-2	06/02/10	3429.97	57.97	57.98	0.01	Pumped	0.10	19.90	3372.00	
MW-2	06/02/10	3429.97	ND	59.70	ND	NA	NA	NA	3370.27	
MW-2	06/12/10	3429.97	58.03	58.04	0.01	Pumped	0.10	19.90	3371.94	
MW-2	06/12/10	3429.97	ND	60.20	ND	NA	NA	NA	3369.77	
MW-2	06/15/10	3429.97	58.95	58.96	0.01	Pumped	0.10	19.90	3371.02	
MW-2	06/15/10	3429.97	ND	59.75	ND	NA	NA	NA	3370.22	
MW-2	06/25/10	3429.97	ND	58.05	ND	Hand Bailed	0.10	4.90	3371.92	
MW-2	06/25/10	3429.97	ND	59.57	ND	NA	NA	NA	3370.40	
MW-2	06/30/10	3429.97	58.06	58.08	0.02	Pumped	0.10	19.90	3371.91	
MW-2	06/30/10	3429.97	ND	60.05	ND	NA	NA	NA	3369.92	
MW-2	07/07/10	3429.97	58.06	58.07	0.01	Pumped	0.10	19.90	3371.91	
MW-2	07/07/10	3429.97	59.84	59.84	0.00	NA	NA	NA	3370.13	
MW-2	07/14/10	3429.97	58.05	58.06	0.01	Pumped	0.10	19.90	3371.92	
MW-2	07/14/10	3429.97	ND	60.07	ND	NA	NA	NA	3369.90	
MW-2	07/21/10	3429.97	58.04	58.05	0.01	Pumped	0.10	19.90	3371.93	
MW-2	07/21/10	3429.97	ND	59.02	ND	NA	NA	NA	3370.95	
MW-2	07/28/10	3429.97	58.01	58.02	0.01	NA	NA	NA	3371.96	
MW-2	08/03/10	3429.97	58.00	58.01	0.01	Pumped	<0.25	10.00	3371.97	
MW-2	08/03/10	3429.97	ND	58.80	ND	NA	NA	NA	3371.17	
MW-2	08/11/10	3429.97	57.97	57.98	0.01	Pumped	0.10	19.90	3372.00	
MW-2	08/11/10	3429.97	ND	59.50	ND	NA	NA	NA	3370.47	
MW-2	08/18/10	3429.97	58.00	58.01	0.01	Pumped	0.10	19.90	3371.97	
MW-2	08/18/10	3429.97	ND	59.35	ND	NA	NA	NA	3370.62	
MW-2	08/25/10	3429.97	58.00	58.01	0.01	Pumped	0.10	19.90	3371.97	
MW-2	08/25/10	3429.97	ND	59.10	ND	NA	NA	NA	3370.87	
MW-2	09/01/10	3429.97	57.98	57.99	0.01	Pumped	<0.25	25.00	3371.99	
MW-2	09/01/10	3429.97	ND	59.63	ND	NA	NA	NA	3370.34	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-2	09/08/10	3429.97	57.95	57.97	0.02	Pumped	0.20	19.80	3372.02	
MW-2	09/08/10	3429.97	ND	59.75	ND	NA	NA	NA	3370.22	
MW-2	09/15/10	3429.97	57.95	57.96	0.01	Pumped	0.20	19.80	3372.02	
MW-2	09/15/10	3429.97	ND	60.29	ND	NA	NA	NA	3369.68	
MW-2	09/21/10	3429.97	ND	57.96	ND	NA	NA	NA	3372.01	
MW-2	10/01/10	3429.97	58.00	58.01	0.01	Pumped	0.20	19.80	3371.97	
MW-2	10/01/10	3429.97	ND	59.43	ND	NA	NA	NA	3370.54	
MW-2	10/06/10	3429.97	ND	57.99	ND	Pumped	0.10	19.90	3371.98	
MW-2	10/06/10	3429.97	ND	59.23	ND	NA	NA	NA	3370.74	
MW-2	10/13/10	3429.97	57.98	57.99	0.01	Pumped	0.10	24.90	3371.99	
MW-2	10/13/10	3429.97	ND	59.65	ND	NA	NA	NA	3370.32	
MW-2	10/22/10	3429.97	57.97	57.98	0.01	NA	NA	NA	3372.00	
MW-2	10/27/10	3429.97	57.63	57.65	0.02	Pumped	0.10	9.90	3372.34	
MW-2	10/27/10	3429.97	ND	59.45	ND	NA	NA	NA	3370.52	
MW-2	11/03/10	3429.97	57.99	58.00	0.01	Pumped	0.10	14.90	3371.98	
MW-2	11/03/10	3429.97	ND	59.39	ND	NA	NA	NA	3370.58	
MW-2	11/10/10	3429.97	57.91	57.92	0.01	Pumped	0.10	19.90	3372.06	
MW-2	11/10/10	3429.97	ND	58.82	ND	NA	NA	NA	3371.15	
MW-2	11/16/10	3429.97	57.94	57.95	0.01	Pumped	0.10	19.90	3372.03	
MW-2	11/16/10	3429.97	ND	59.60	ND	NA	NA	NA	3370.37	
MW-2	11/23/10	3429.97	57.85	57.96	0.11	Pumped	<0.25	15.00	3372.10	
MW-2	11/23/10	3429.97	ND	59.45	ND	NA	NA	NA	3370.52	
MW-2	12/01/10	3429.97	57.92	57.93	0.01	Pumped	0.10	19.90	3372.05	
MW-2	12/01/10	3429.97	ND	59.35	ND	NA	NA	NA	3370.62	
MW-2	12/08/10	3429.97	57.88	57.89	0.01	Pumped	0.10	19.90	3372.09	
MW-2	12/08/10	3429.97	ND	59.26	ND	NA	NA	NA	3370.71	
MW-2	12/15/10	3429.97	57.84	57.85	0.01	Pumped	0.10	19.90	3372.13	
MW-2	12/15/10	3429.97	ND	59.83	ND	NA	NA	NA	3370.14	
MW-2	12/21/10	3429.97	57.90	57.91	0.01	Pumped	0.10	19.90	3372.07	
MW-2	12/21/10	3429.97	ND	59.89	ND	NA	NA	NA	3370.08	
MW-2	12/28/10	3429.97	NG	NG	NG	Pumped	0.10	29.90	NG	Interface
MW-2	01/08/11	3429.97	ND	57.90	ND	NA	NA	NA	3372.07	
MW-2	01/12/11	3429.97	ND	57.95	ND	NA	NA	NA	3372.02	
MW-2	01/19/11	3429.97	ND	57.85	ND		0.10	19.90	3372.12	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-2	01/19/11	3429.97	ND	59.80	ND	NA	NA	NA	3370.17	
MW-2	01/25/11	3429.97	57.89	57.90	0.01	Pumped	0.20	19.80	3372.08	
MW-2	01/25/11	3429.97	ND	60.40	ND	NA	NA	NA	3369.57	
MW-2	02/04/11	3429.97	57.91	57.92	0.01	NA	NA	NA	3372.06	
MW-2	02/08/11	3429.97	57.88	57.89	0.01		0.20	19.80	3372.09	
MW-2	02/08/11	3429.97	ND	59.63	ND	NA	NA	NA	3370.34	
MW-2	02/16/11	3429.97	57.88	57.89	0.01		0.10	19.90	3372.09	
MW-2	02/16/11	3429.97	ND	59.62	ND	NA	NA	NA	3370.35	
MW-2	02/24/11	3429.97	57.95	57.96	0.01		0.00	20.00	3372.02	
MW-2	02/24/11	3429.97	ND	58.63	ND	NA	NA	NA	3371.34	
MW-2	03/02/11	3429.97	57.92	57.93	0.01		0.10	24.90	3372.05	
MW-2	03/02/11	3429.97	ND	58.16	ND	NA	NA	NA	3371.81	
MW-2	03/08/11	3429.97	57.92	57.93	0.01	NA	NA	NA	3372.05	
MW-2	03/16/11	3429.97	57.94	57.95	0.01		0.10	4.90	3372.03	
MW-2	03/16/11	3429.97	ND	59.60	ND	NA	NA	NA	3370.37	
MW-2	03/23/11	3429.97	57.95	57.97	0.02		0.10	4.90	3372.02	
MW-2	03/23/11	3429.97	ND	59.13	ND	NA	NA	NA	3370.84	
MW-2	03/30/11	3429.97	57.88	57.92	0.04		0.10	39.90	3372.08	
MW-2	03/30/11	3429.97	ND	58.70	ND	NA	NA	NA	3371.27	
MW-2	04/08/11	3429.97	57.93	57.94	0.01		0.10	9.90	3372.04	
MW-2	04/08/11	3429.97	ND	58.87	ND	NA	NA	NA	3371.10	
MW-2	04/13/11	3429.97	57.94	57.95	0.01		0.10	9.90	3372.03	
MW-2	04/13/11	3429.97	ND	58.90	ND	NA	NA	NA	3371.07	
MW-2	04/20/11	3429.97	57.95	57.97	0.02		0.10	4.90	3372.02	
MW-2	04/20/11	3429.97	ND	59.04	ND	NA	NA	NA	3370.93	
MW-2	04/27/11	3429.97	58.00	58.02	0.02		0.10	59.90	3371.97	
MW-2	04/27/11	3429.97	ND	60.50	ND	NA	NA	NA	3369.47	
MW-2	05/04/11	3429.97	57.95	57.97	0.02		0.10	39.90	3372.02	
MW-2	05/04/11	3429.97	ND	59.04	ND	NA	NA	NA	3370.93	
MW-2	05/11/11	3429.97	57.97	58.07	0.10		0.10	39.90	3371.99	
MW-2	05/11/11	3429.97	ND	59.53	ND	NA	NA	NA	3370.44	
MW-2	05/19/11	3429.97	58.02	58.03	0.01		0.20	29.80	3371.95	
MW-2	05/19/11	3429.97	ND	59.94	ND	NA	NA	NA	3370.03	
MW-2	05/24/11	3429.97	57.97	57.99	0.02		0.10	29.90	3372.00	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-2	06/02/11	3429.97	58.11	58.12	0.01	NA	NA	NA	3371.86	
MW-2	06/03/11	3429.97	58.17	58.20	0.03	NA	NA	NA	3371.80	Sampled
MW-2	06/08/11	3429.97	58.14	58.16	0.02		0.10	9.90	3371.83	
MW-2	06/08/11	3429.97	ND	59.26	ND	NA	NA	NA	3370.71	
MW-2	06/17/11	3429.97	58.20	58.22	0.02		0.00	10.00	3371.77	
MW-2	06/17/11	3429.97	ND	59.16	ND	NA	NA	NA	3370.81	
MW-2	06/21/11	3429.97	58.11	58.13	0.02		0.10	14.90	3371.86	
MW-2	06/21/11	3429.97	ND	59.05	ND	NA	NA	NA	3370.92	
MW-2	06/29/11	3429.97	58.22	58.25	0.03	NA	NA	NA	3371.75	
MW-2	07/06/11	3429.97	58.27	58.31	0.04		0.10	9.90	3371.69	
MW-2	07/06/11	3429.97	ND	58.71	ND	NA	NA	NA	3371.26	
MW-2	07/13/11	3429.97	58.28	58.38	0.10		0.10	11.90	3371.68	
MW-2	07/13/11	3429.97	ND	58.25	ND	NA	NA	NA	3371.72	
MW-2	07/21/11	3429.97	58.30	58.36	0.06		0.10	4.90	3371.66	
MW-2	07/21/11	3429.97	ND	58.90	ND	NA	NA	NA	3371.07	
MW-2	07/27/11	3429.97	58.31	58.40	0.09		0.10	9.90	3371.65	
MW-2	07/27/11	3429.97	ND	59.10	ND	NA	NA	NA	3370.87	
MW-2	08/03/11	3429.97	58.34	58.35	0.01		0.10	9.90	3371.63	
MW-2	08/03/11	3429.97	ND	59.48	ND	NA	NA	NA	3370.49	
MW-2	08/11/11	3429.97	58.36	58.52	0.16		0.10	4.90	3371.59	
MW-2	08/11/11	3429.97	ND	59.00	ND	NA	NA	NA	3370.97	
MW-2	08/17/11	3429.97	58.29	58.42	0.13	NA	NA	NA	3371.66	
MW-2	08/24/11	3429.97	58.42	58.61	0.19		0.10	9.90	3371.52	
MW-2	08/24/11	3429.97	ND	59.43	ND	NA	NA	NA	3370.54	
MW-2	08/29/11	3429.97	58.41	58.63	0.22		0.10	4.90	3371.53	
MW-2	08/29/11	3429.97	ND	59.01	ND	NA	NA	NA	3370.96	
MW-2	09/07/11	3429.97	58.45	58.64	0.19		0.20	9.80	3371.49	
MW-2	09/07/11	3429.97	ND	58.95	ND	NA	NA	NA	3371.02	
MW-2	09/14/11	3429.97	58.46	58.64	0.18		0.10	9.90	3371.48	
MW-2	09/14/11	3429.97	ND	59.00	ND	NA	NA	NA	3370.97	
MW-2	09/21/11	3429.97	58.49	58.66	0.17		0.10	9.90	3371.45	
MW-2	09/21/11	3429.97	ND	59.79	ND	NA	NA	NA	3370.18	
MW-2	09/26/11	3429.97	58.48	58.68	0.20		0.10	4.90	3371.46	
MW-2	09/26/11	3429.97	ND	59.28	ND	NA	NA	NA	3370.69	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-2	10/05/11	3429.97	58.44	58.59	0.15		<.25	20.00	3371.51	
MW-2	10/05/11	3429.97	ND	61.68	ND	NA	NA	NA	3368.29	
MW-2	10/12/11	3429.97	58.52	58.53	0.01		0.20	29.80	3371.45	
MW-2	10/12/11	3429.97	ND	61.59	ND	NA	NA	NA	3368.38	
MW-2	10/18/11	3429.97	58.52	58.53	0.01		0.20	29.80	3371.45	
MW-2	10/18/11	3429.97	ND	59.98	ND	NA	NA	NA	3369.99	
MW-2	10/28/11	3429.97	58.57	58.58	0.01	NA	NA	NA	3371.40	
MW-2	11/02/11	3429.97	58.60	58.61	0.01	NA	NA	NA	3371.37	
MW-2	11/09/11	3429.97	58.55	58.56	0.01		0.10	4.90	3371.42	
MW-2	11/09/11	3429.97	ND	59.60	ND	NA	NA	NA	3370.37	
MW-2	11/18/11	3429.97	58.83	58.90	0.07		0.10	4.90	3371.13	
MW-2	11/18/11	3429.97	ND	58.85	ND	NA	NA	NA	3371.12	
MW-2	11/23/11	3429.97	58.58	58.64	0.06	NA	NA	NA	3371.38	
MW-2	11/29/11	3429.97	58.54	58.62	0.08	NA	NA	NA	3371.42	
MW-2	12/13/11	3429.97	58.53	58.65	0.12		0.10	19.90	3371.42	
MW-2	12/13/11	3429.97	ND	60.00	ND	NA	NA	NA	3369.97	
MW-2	12/20/11	3429.97	58.55	58.56	0.01	NA	NA	NA	3371.42	
MW-2	12/27/11	3429.97	58.55	58.56	0.01		0.10	9.90	3371.42	
MW-2	12/27/11	3429.97	ND	59.69	ND	NA	NA	NA	3370.28	
MW-2	01/04/12	3429.97	58.55	58.56	0.01	NA	NA	NA	3371.42	
MW-2	01/13/12	3429.97	58.56	58.57	0.01	Hand Bailed	0.10	4.90	3371.41	
MW-2	01/13/12	3429.97	ND	59.20	ND	NA	NA	NA	3370.77	
MW-2	01/18/12	3429.97	58.54	58.60	0.06		0.10	19.90	3371.42	
MW-2	01/18/12	3429.97	ND	61.00	ND	NA	NA	NA	3368.97	
MW-2	01/27/12	3429.97	58.55	58.58	0.03		0.10	19.90	3371.42	
MW-2	01/27/12	3429.97	ND	60.90	ND	NA	NA	NA	3369.07	
MW-2	02/02/12	3429.97	58.53	58.54	0.01		0.20	49.80	3371.44	
MW-2	02/08/12	3429.97	58.55	58.56	0.01		0.10	9.90	3371.42	
MW-2	02/08/12	3429.97	ND	59.46	ND	NA	NA	NA	3370.51	
MW-2	02/15/12	3429.97	58.56	58.58	0.02		0.10	9.90	3371.41	
MW-2	02/15/12	3429.97	ND	58.88	ND	NA	NA	NA	3371.09	
MW-2	02/23/12	3429.97	58.50	58.54	0.04	NA	NA	NA	3371.46	
MW-2	02/29/12	3429.97	58.55	58.58	0.03		0.10	19.90	3371.42	
MW-2	02/29/12	3429.97	ND	60.64	ND	NA	NA	NA	3369.33	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-2	03/14/12	3429.97	58.60	58.65	0.05	NA	NA	NA	3371.36	
MW-2	03/21/12	3429.97	58.42	58.54	0.12		0.10	9.90	3371.53	
MW-2	03/21/12	3429.97	ND	59.62	ND	NA	NA	NA	3370.35	
MW-2	03/29/12	3429.97	58.50	58.56	0.06		0.10	9.90	3371.46	
MW-2	03/29/12	3429.97	ND	59.65	ND	NA	NA	NA	3370.32	
MW-2	04/03/12	3429.97	58.58	58.64	0.06		0.10	9.90	3371.38	
MW-2	04/03/12	3429.97	ND	59.74	ND	NA	NA	NA	3370.23	
MW-2	04/11/12	3429.97	58.80	58.99	0.19		0.10	9.90	3371.14	
MW-2	04/11/12	3429.97	ND	60.34	ND	NA	NA	NA	3369.63	
MW-2	04/20/12	3429.97	58.60	58.66	0.06		0.10	14.90	3371.36	
MW-2	04/20/12	3429.97	ND	59.89	ND	NA	NA	NA	3370.08	
MW-2	04/26/12	3429.97	58.55	58.65	0.10		0.10	9.90	3371.41	
MW-2	04/26/12	3429.97	ND	59.75	ND	NA	NA	NA	3370.22	
MW-2	05/02/12	3429.97	58.56	58.63	0.07		0.10	19.90	3371.40	
MW-2	05/02/12	3429.97	ND	60.22	ND	NA	NA	NA	3369.75	
MW-2	05/09/12	3429.97	58.59	58.60	0.01	NA	NA	NA	3371.38	
MW-2	05/16/12	3429.97	58.92	58.93	0.01	NA	NA	NA	3371.05	
MW-2	05/24/12	3429.97	58.60	58.61	0.01	NA	NA	NA	3371.37	
MW-2	05/29/12	3429.97	58.58	58.59	0.01	NA	NA	NA	3371.39	
MW-2	06/06/12	3429.97	58.60	58.62	0.02		0.00	10.00	3371.37	
MW-2	06/06/12	3429.97	ND	61.78	ND	NA	NA	NA	3368.19	
MW-2	06/13/12	3429.97	58.54	58.62	0.08		0.00	10.00	3371.42	
MW-2	06/13/12	3429.97	ND	61.94	ND	NA	NA	NA	3368.03	
MW-2	06/19/12	3429.97	58.55	58.56	0.01	NA	NA	NA	3371.42	
MW-2	06/27/12	3429.97	58.61	58.71	0.10		0.10	9.90	3371.35	
MW-2	06/27/12	3429.97	ND	61.18	ND	NA	NA	NA	3368.79	
MW-2	07/05/12	3429.97	58.68	58.70	0.02	NA	0.10	15.00	3371.29	
MW-2	07/05/12	3429.97	ND	59.62	ND	NA	NA	NA	3370.35	
MW-2	07/11/12	3429.97	58.68	58.69	0.01	NA	0.10	20.00	3371.29	
MW-2	07/11/12	3429.97	ND	61.33	ND	NA	NA	NA	3368.64	
MW-2	07/18/12	3429.97	58.70	58.71	0.01	NA	0.01	NA	3371.27	
MW-2	07/25/12	3429.97	Sheen	58.69	Sheen	NA	NA	NA	3371.28	
MW-2	07/31/12	3429.97	58.15	58.76	0.61	NA	0.10	10.00	3371.73	
MW-2	07/31/12	3429.97	ND	61.35	ND	NA	NA	NA	3368.62	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-2	08/08/12	3429.97	58.78	58.85	0.07	NA	NA	NA	3371.18	
MW-2	08/13/12	3429.97	58.78	58.89	0.11		0.10	60.26	3371.17	
MW-2	08/20/12	3429.97	58.78	58.79	0.01	NA	NA	NA	3371.19	
MW-2	09/12/12	3429.97	ND	58.78	ND	NA	NA	NA	3371.19	
MW-2	09/20/12	3429.97	58.80	58.83	0.03	NA	NA	NA	3371.17	
MW-2	10/02/12	3429.97	58.81	58.84	0.03	NA	0.10	10.00	3371.16	
MW-2	10/02/12	3429.97	ND	60.34	ND	NA	NA	NA	3369.63	
MW-2	10/10/12	3429.97	58.80	58.82	0.02	NA	NA	NA	3371.17	
MW-2	10/16/12	3429.97	58.01	58.80	0.79	NA	NA	NA	3371.84	
MW-2	10/24/12	3429.97	58.79	58.82	0.03	NA	NA	NA	3371.18	
MW-2	10/30/12	3429.97	58.81	58.89	0.08	NA	NA	NA	3371.15	
MW-2	11/06/12	3429.97	58.82	58.91	0.09	NA	NA	NA	3371.14	
MW-2	11/13/12	3429.97	58.85	58.93	0.08	NA	NA	NA	3371.11	
MW-2	11/19/12	3429.97	58.82	58.92	0.10	NA	NA	NA	3371.14	
MW-2	12/05/12	3429.97	58.80	59.00	0.20	NA	NA	NA	3371.14	
MW-2	12/11/12	3429.97	58.85	59.00	0.15	NA	0.10	10.00	3371.10	
MW-2	12/11/12	3429.97	ND	60.05	ND	NA	NA	NA	3369.92	
MW-2	01/03/13	3429.97	58.86	58.92	0.06	NA	NA	NA	3371.10	
MW-2	01/16/13	3429.97	58.87	58.97	0.10	NA	NA	NA	3371.09	
MW-2	01/23/13	3429.97	58.83	58.95	0.12	NA	NA	NA	3371.12	
MW-2	01/30/13	3429.97	58.85	58.95	0.10	NA	NA	NA	3371.11	
MW-2	02/07/13	3429.97	58.85	59.00	0.15	NA	NA	NA	3371.10	
MW-2	02/13/13	3429.97	58.85	58.98	0.13	NA	0.10	9.00	3371.10	
MW-2	02/28/13	3429.97	58.85	58.87	0.02	NA	NA	NA	3371.12	
MW-2	03/05/13	3429.97	58.90	58.93	0.03	NA	NA	NA	3371.07	
MW-2	03/15/13	3429.97	58.91	58.92	0.01	NA	NA	NA	3371.06	
MW-2	03/21/13	3429.97	58.81	58.89	0.08	NA	NA	NA	3371.15	
MW-2	03/29/13	3429.97	58.85	58.95	0.10	NA	NA	NA	3371.11	
MW-2	04/09/13	3429.97	58.86	59.00	0.14	NA	NA	NA	3371.09	
MW-2	04/20/13	3429.97	58.70	59.17	0.47	NA	NA	NA	3371.20	
MW-2	04/23/13	3429.97	ND	ND	ND	NA	NA	NA	ND	Interface Malfunction- Rec only
MW-2	05/01/13	3429.97	58.82	58.84	0.02	NA	NA	NA	3371.15	
MW-2	05/15/13	3429.97	58.83	58.84	0.01	NA	NA	NA	3371.14	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
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 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-2	05/21/13	3429.97	58.92	58.94	0.02	NA	NA	NA	3371.05	
MW-2	06/04/13	3429.97	58.90	59.20	0.30	NA	0.25	9.75	3371.03	
MW-2	06/13/13	3429.97	58.98	59.00	0.02	NA	0.25	9.75	3370.99	
MW-2	06/17/13	3429.97	58.80	59.02	0.22	NA	0.25	9.75	3371.14	
MW-2	06/26/13	3429.97	58.97	59.00	0.03	NA	NA	NA	3371.00	
MW-2	07/10/13	3429.97	59.02	59.08	0.06	NA	NA	NA	3370.94	
MW-2	08/07/13	3429.97	58.95	59.10	0.15	NA	NA	NA	3371.00	
MW-2	08/14/13	3429.97	59.03	59.23	0.20	NA	NA	NA	3370.91	
MW-2	08/21/13	3429.97	59.08	59.30	0.22	NA	1.00	9.00	3370.86	
MW-2	08/28/13	3429.97	59.12	59.13	0.01	NA	NA	NA	3370.85	
MW-2	09/06/13	3429.97	59.16	59.17	0.01	NA	NA	NA	3370.81	
MW-2	09/11/13	3429.97	59.15	59.16	0.01	NA	NA	NA	3370.82	
MW-2	09/21/13	3429.97	58.19	59.24	1.05	NA	NA	NA	3371.62	
MW-2	09/28/13	3429.97	59.18	59.28	0.10	NA	NA	NA	3370.78	
MW-2	10/02/13	3429.97	59.15	59.22	0.07	NA	NA	NA	3370.81	
MW-2	10/11/13	3429.97	59.18	59.20	0.02	NA	NA	NA	3370.79	
MW-2	10/16/13	3429.97	59.15	59.16	0.01	NA	NA	NA	3370.82	
MW-2	10/30/13	3429.97	59.14	59.32	0.18	NA	NA	NA	3370.80	
MW-2	11/13/13	3429.97	59.11	59.30	0.19	NA	NA	NA	3370.83	
MW-2	11/20/13	3429.97	59.02	59.03	0.01	NA	NA	NA	3370.95	
MW-2	11/27/13	3429.97	59.00	59.25	0.25	NA	NA	NA	3370.93	
MW-2	12/13/13	3429.97	59.04	59.38	0.34	NA	NA	NA	3370.88	
MW-2	12/17/13	3429.97	59.08	59.30	0.22	NA	NA	NA	3370.86	
MW-3	02/21/07	3429.89	ND	57.71	ND	NA	NA	NA	3372.18	
MW-3	03/07/07	3429.89	ND	57.66	ND	NA	NA	NA	3372.23	No Sock
MW-3	03/14/07	3429.89	ND	57.68	ND	NA	NA	NA	3372.21	No Sock
MW-3	03/21/07	3429.89	ND	57.66	ND	NA	NA	NA	3372.23	No Sock
MW-3	04/03/07	3429.89	ND	55.92	ND	NA	NA	NA	3373.97	No Sock
MW-3	04/10/07	3429.89	ND	55.97	ND	NA	NA	NA	3373.92	No Sock
MW-3	04/18/07	3429.89	ND	57.62	ND	NA	NA	NA	3372.27	No Sock
MW-3	04/24/07	3429.89	ND	57.65	ND	NA	NA	NA	3372.24	No Sock
MW-3	05/03/07	3429.89	ND	55.97	ND	NA	NA	NA	3373.92	No Sock
MW-3	05/11/07	3429.89	ND	51.68	ND	NA	NA	NA	3378.21	No Sock

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-3	05/16/07	3429.89	ND	56.22	ND	NA	NA	NA	3373.67	No Sock
MW-3	05/23/07	3429.89	ND	57.36	ND	NA	NA	NA	3372.53	No Sock
MW-3	05/31/07	3429.89	ND	57.60	ND	NA	NA	NA	3372.29	No Sock
MW-3	06/06/07	3429.89	ND	57.64	ND	NA	NA	NA	3372.25	No Sock
MW-3	06/13/07	3429.89	ND	57.65	ND	NA	NA	NA	3372.24	No Sock
MW-3	06/19/07	3429.89	ND	57.52	ND	NA	NA	NA	3372.37	No Sock
MW-3	06/27/07	3429.89	ND	57.70	ND	NA	NA	NA	3372.19	No Sock
MW-3	07/05/07	3429.89	ND	57.63	ND	NA	NA	NA	3372.26	No Sock
MW-3	07/11/07	3429.89	ND	57.65	ND	NA	NA	NA	3372.24	No Sock
MW-3	07/19/07	3429.89	ND	57.63	ND	NA	NA	NA	3372.26	No Sock
MW-3	07/24/07	3429.89	ND	57.66	ND	NA	NA	NA	3372.23	No Sock
MW-3	07/31/07	3429.89	ND	57.69	ND	NA	NA	NA	3372.20	No Sock
MW-3	08/09/07	3429.89	ND	57.67	ND	NA	NA	NA	3372.22	No Sock
MW-3	08/16/07	3429.89	ND	57.65	ND	NA	NA	NA	3372.24	No Sock
MW-3	08/22/07	3429.89	ND	57.51	ND	NA	NA	NA	3372.38	No Sock
MW-3	08/28/07	3429.89	ND	57.71	ND	NA	NA	NA	3372.18	No Sock
MW-3	09/06/07	3429.89	ND	57.49	ND	NA	NA	NA	3372.40	No Sock
MW-3	09/13/07	3429.89	ND	57.72	ND	NA	NA	NA	3372.17	No Sock
MW-3	09/18/07	3429.89	ND	57.70	ND	NA	NA	NA	3372.19	No Sock
MW-3	09/26/07	3429.89	ND	57.74	ND	NA	NA	NA	3372.15	No Sock
MW-3	10/04/07	3429.89	ND	57.71	ND	NA	NA	NA	3372.18	No Sock
MW-3	10/10/07	3429.89	ND	57.79	ND	NA	NA	NA	3372.10	No Sock
MW-3	10/17/07	3429.89	ND	57.80	ND	NA	NA	NA	3372.09	No Sock
MW-3	10/24/07	3429.89	ND	57.69	ND	NA	NA	NA	3372.20	No Sock
MW-3	10/31/07	3429.89	ND	57.68	ND	NA	NA	NA	3372.21	No Sock
MW-3	11/07/07	3429.89	ND	57.73	ND	NA	NA	NA	3372.16	No Sock
MW-3	11/13/07	3429.89	ND	57.72	ND	NA	NA	NA	3372.17	No Sock
MW-3	11/20/07	3429.89	ND	57.76	ND	NA	NA	NA	3372.13	No Sock
MW-3	11/27/07	3429.89	ND	57.74	ND	NA	NA	NA	3372.15	No Sock
MW-3	12/05/07	3429.89	ND	57.72	ND	NA	NA	NA	3372.17	No Sock
MW-3	12/12/07	3429.89	ND	57.70	ND	NA	NA	NA	3372.19	No Sock
MW-3	12/18/07	3429.89	ND	57.70	ND	NA	NA	NA	3372.19	No Sock
MW-3	12/27/07	3429.89	ND	57.68	ND	NA	NA	NA	3372.21	No Sock
MW-3	01/03/08	3429.89	ND	57.72	ND	NA	NA	NA	3372.17	No Sock

TABLE 2
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							PSH	H ₂ O		
MW-3	01/09/08	3429.89	ND	57.70	ND	NA	NA	NA	3372.19	No Sock
MW-3	01/17/08	3429.89	ND	57.65	ND	NA	NA	NA	3372.24	No Sock
MW-3	01/23/08	3429.89	ND	57.68	ND	NA	NA	NA	3372.21	No Sock
MW-3	01/30/08	3429.89	ND	57.67	ND	NA	NA	NA	3372.22	No Sock
MW-3	02/06/08	3429.89	ND	57.80	ND	NA	NA	NA	3372.09	No Sock
MW-3	02/13/08	3429.89	ND	57.61	ND	NA	NA	NA	3372.28	No Sock
MW-3	02/19/08	3429.89	ND	57.62	ND	NA	NA	NA	3372.27	No Sock
MW-3	02/19/08	3429.89	ND	65.20	ND		5.00	0.00	3364.69	No Sock
MW-3	02/27/08	3429.89	ND	57.82	ND	NA	NA	NA	3372.07	No Sock
MW-3	03/04/08	3429.89	ND	57.67	ND	NA	NA	NA	3372.22	No Sock
MW-3	03/12/08	3429.89	ND	57.85	ND	NA	NA	NA	3372.04	No Sock
MW-3	03/19/08	3429.89	ND	57.90	ND	NA	NA	NA	3371.99	No Sock
MW-3	03/26/08	3429.89	ND	57.65	ND	NA	NA	NA	3372.24	No Sock
MW-3	04/02/08	3429.89	ND	57.62	ND	NA	NA	NA	3372.27	No Sock
MW-3	04/09/08	3429.89	ND	57.65	ND	NA	NA	NA	3372.24	No Sock
MW-3	04/16/08	3429.89	ND	57.70	ND	NA	NA	NA	3372.19	No Sock
MW-3	04/24/08	3429.89	ND	57.61	ND	NA	NA	NA	3372.28	No Sock
MW-3	04/30/08	3429.89	ND	57.59	ND	NA	NA	NA	3372.30	No Sock
MW-3	05/05/08	3429.89	ND	57.61	ND	NA	NA	NA	3372.28	No Sock
MW-3	05/14/08	3429.89	ND	57.65	ND	NA	NA	NA	3372.24	No Sock
MW-3	05/20/08	3429.89	ND	57.68	ND	NA	NA	NA	3372.21	No Sock
MW-3	05/29/08	3429.89	ND	57.70	ND	NA	NA	NA	3372.19	No Sock
MW-3	06/04/08	3429.89	ND	57.73	ND	NA	NA	NA	3372.16	No Sock
MW-3	06/11/08	3429.89	ND	57.77	ND	NA	NA	NA	3372.12	No Sock
MW-3	06/18/08	3429.89	ND	57.81	ND	NA	NA	NA	3372.08	No Sock
MW-3	06/26/08	3429.89	ND	57.88	ND	NA	NA	NA	3372.01	No Sock
MW-3	07/02/08	3429.89	ND	57.87	ND	NA	NA	NA	3372.02	No Sock
MW-3	07/07/08	3429.89	ND	57.79	ND	NA	NA	NA	3372.10	No Sock
MW-3	07/16/08	3429.89	ND	57.84	ND	NA	NA	NA	3372.05	No Sock
MW-3	07/21/08	3429.89	ND	57.88	ND	NA	NA	NA	3372.01	No Sock
MW-3	07/29/08	3429.89	ND	57.91	ND	NA	NA	NA	3371.98	No Sock
MW-3	08/06/08	3429.89	ND	57.93	ND	NA	NA	NA	3371.96	No Sock
MW-3	08/13/08	3429.89	ND	57.92	ND	NA	NA	NA	3371.97	No Sock
MW-3	08/18/08	3429.89	ND	57.83	ND	NA	NA	NA	3372.06	No Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-3	08/27/08	3429.89	ND	57.85	ND	NA	NA	NA	3372.04	No Sock
MW-3	09/02/08	3429.89	ND	57.89	ND	NA	NA	NA	3372.00	No Sock
MW-3	09/09/08	3429.89	ND	57.93	ND	NA	NA	NA	3371.96	No Sock
MW-3	09/17/08	3429.89	ND	57.50	ND	NA	NA	NA	3372.39	No Sock
MW-3	09/24/08	3429.89	ND	57.80	ND	NA	NA	NA	3372.09	No Sock
MW-3	10/01/08	3429.89	ND	57.83	ND	NA	NA	NA	3372.06	No Sock
MW-3	10/08/08	3429.89	ND	57.82	ND	NA	NA	NA	3372.07	No Sock
MW-3	10/15/08	3429.89	ND	57.85	ND	NA	NA	NA	3372.04	No Sock
MW-3	10/22/08	3429.89	ND	57.85	ND	NA	NA	NA	3372.04	No Sock
MW-3	10/29/08	3429.89	ND	57.84	ND	NA	NA	NA	3372.05	No Sock
MW-3	11/05/08	3429.89	ND	57.87	ND	NA	NA	NA	3372.02	No Sock
MW-3	11/12/08	3429.89	NG	NG	NG	NA	NA	NA	NG	No Sock
MW-3	11/20/08	3429.89	ND	57.80	ND	NA	NA	NA	3372.09	No Sock
MW-3	11/26/08	3429.89	ND	57.80	ND	NA	NA	NA	3372.09	No Sock
MW-3	12/03/08	3429.89	ND	57.82	ND	NA	NA	NA	3372.07	No Sock
MW-3	12/10/08	3429.89	ND	57.81	ND	NA	NA	NA	3372.08	No Sock
MW-3	12/17/08	3429.89	ND	57.86	ND	NA	NA	NA	3372.03	No Sock
MW-3	12/21/08	3429.89	ND	57.78	ND	NA	NA	NA	3372.11	No Sock
MW-3	12/31/08	3429.89	ND	57.82	ND	NA	NA	NA	3372.07	No Sock
MW-3	01/02/09	3429.89	ND	57.82	ND	NA	NA	NA	3372.07	No Sock
MW-3	01/07/09	3429.89	ND	57.76	ND	NA	NA	NA	3372.13	No Sock
MW-3	01/15/09	3429.89	ND	57.82	ND	NA	NA	NA	3372.07	No Sock
MW-3	01/22/09	3429.89	ND	57.81	ND	NA	NA	NA	3372.08	No Sock
MW-3	01/28/09	3429.89	ND	57.82	ND	NA	NA	NA	3372.07	No Sock
MW-3	02/04/09	3429.89	ND	57.78	ND	NA	NA	NA	3372.11	No Sock
MW-3	02/04/09	3429.89	ND	57.76	ND	NA	NA	NA	3372.13	No Sock
MW-3	02/18/09	3429.89	ND	57.79	ND	NA	NA	NA	3372.10	No Sock
MW-3	02/25/09	3429.89	ND	57.79	ND	NA	NA	NA	3372.10	No Sock
MW-3	03/04/09	3429.89	ND	57.77	ND	NA	NA	NA	3372.12	No Sock
MW-3	03/11/09	3429.89	ND	57.72	ND	NA	NA	NA	3372.17	No Sock
MW-3	03/18/09	3429.89	ND	57.77	ND	NA	NA	NA	3372.12	No Sock
MW-3	03/25/09	3429.89	ND	57.74	ND	NA	NA	NA	3372.15	No Sock
MW-3	04/01/09	3429.89	ND	57.76	ND	NA	NA	NA	3372.13	No Sock
MW-3	04/08/09	3429.89	ND	57.77	ND	NA	NA	NA	3372.12	No Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-3	04/15/09	3429.89	ND	57.75	ND	NA	NA	NA	3372.14	No Sock
MW-3	04/22/09	3429.89	ND	57.76	ND	NA	NA	NA	3372.13	No Sock
MW-3	04/22/09	3429.89	ND	65.15	ND	Pumped	0.00	5.00	3364.74	
MW-3	04/29/09	3429.89	ND	57.80	ND	NA	NA	NA	3372.09	No Sock
MW-3	05/06/09	3429.89	ND	57.75	ND	NA	NA	NA	3372.14	No Sock
MW-3	05/14/09	3429.89	ND	57.77	ND	NA	NA	NA	3372.12	No Sock
MW-3	05/20/09	3429.89	ND	57.83	ND	NA	NA	NA	3372.06	No Sock
MW-3	05/27/09	3429.89	ND	57.76	ND		0.00	7.00	3372.13	No Sock,
MW-3	05/27/09	3429.89	ND	65.89	ND	NA	NA	NA	3364.00	No Sock
MW-3	06/03/09	3429.89	ND	57.86	ND	NA	NA	NA	3372.03	No Sock
MW-3	06/11/09	3429.89	ND	57.84	ND	NA	NA	NA	3372.05	No Sock
MW-3	06/17/09	3429.89	ND	57.86	ND	NA	NA	NA	3372.03	No Sock
MW-3	06/23/09	3429.89	ND	57.65	ND	NA	NA	NA	3372.24	No Sock
MW-3	07/01/09	3429.89	ND	57.88	ND	NA	NA	NA	3372.01	No Sock
MW-3	07/07/09	3429.89	ND	56.95	ND	NA	NA	NA	3372.94	No Sock
MW-3	07/15/09	3429.89	ND	57.83	ND	NA	NA	NA	3372.06	No Sock
MW-3	07/22/09	3429.89	ND	57.90	ND	NA	NA	NA	3371.99	No Sock
MW-3	07/29/09	3429.89	ND	56.97	ND	NA	NA	NA	3372.92	No Sock
MW-3	08/05/09	3429.89	ND	57.81	ND	NA	NA	NA	3372.08	No Sock
MW-3	08/12/09	3429.89	ND	57.90	ND	NA	NA	NA	3371.99	
MW-3	08/19/09	3429.89	ND	57.91	ND	NA	NA	NA	3371.98	
MW-3	08/27/09	3429.89	ND	57.92	ND	NA	NA	NA	3371.97	
MW-3	09/02/09	3429.89	ND	57.92	ND	NA	NA	NA	3371.97	
MW-3	09/09/09	3429.89	ND	57.93	ND	NA	NA	NA	3371.96	No Sock
MW-3	09/16/09	3429.89	ND	58.00	ND	NA	NA	NA	3371.89	No Sock
MW-3	09/23/09	3429.89	ND	58.02	ND	NA	NA	NA	3371.87	No Sock
MW-3	09/23/09	3429.89	ND	65.70	ND	Pumped	0.00	5.00	3364.19	Pumped Dry
MW-3	09/30/09	3429.89	ND	58.22	ND	NA	NA	NA	3371.67	No Sock
MW-3	10/07/09	3429.89	ND	58.05	ND	NA	NA	NA	3371.84	No Sock
MW-3	10/14/09	3429.89	ND	58.04	ND	NA	NA	NA	3371.85	No Sock
MW-3	10/21/09	3429.89	ND	58.04	ND	Hand Bailed	0.00	6.00	3371.85	Bailed Dry
MW-3	10/21/09	3429.89	ND	66.67	ND	NA	NA	NA	3363.22	No Sock
MW-3	10/29/09	3429.89	ND	58.15	ND	Pumped	0.00	4.00	3371.74	Pumped Dry
MW-3	10/29/09	3429.89	ND	62.22	ND	NA	NA	NA	3367.67	No Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-3	11/04/09	3429.89	ND	58.25	ND	NA	NA	NA	3371.64	No Sock
MW-3	11/11/09	3429.89	ND	58.07	ND	NA	NA	NA	3371.82	No Sock
MW-3	11/17/09	3429.89	ND	58.08	ND		0.00	3.50	3371.81	No Sock,
MW-3	11/17/09	3429.89	ND	63.12	ND	NA	NA	NA	3366.77	No Sock
MW-3	11/25/09	3429.89	ND	58.15	ND	NA	NA	NA	3371.74	No Sock
MW-3	12/02/09	3429.89	ND	58.05	ND		0.00	3.50	3371.84	No Sock,
MW-3	12/02/09	3429.89	ND	63.91	ND	NA	NA	NA	3365.98	No Sock
MW-3	12/09/09	3429.89	ND	58.21	ND	NA	NA	NA	3371.68	No Sock
MW-3	12/09/09	3429.89	ND	58.21	ND	NA	NA	NA	3371.68	No Sock
MW-3	12/16/09	3429.89	ND	58.09	ND	NA	NA	NA	3371.80	No Sock
MW-3	12/23/09	3429.89	ND	58.05	ND	NA	NA	NA	3371.84	No Sock
MW-3	12/30/09	3429.89	ND	58.08	ND	NA	NA	NA	3371.81	No Sock
MW-3	01/06/10	3429.89	ND	58.06	ND	NA	NA	NA	3371.83	No Sock
MW-3	01/13/10	3429.89	ND	58.08	ND	NA	NA	NA	3371.81	No Sock
MW-3	01/20/10	3429.89	ND	58.05	ND		0.00	5.00	3371.84	No Sock,
MW-3	01/20/10	3429.89	ND	65.15	ND	NA	NA	NA	3364.74	No Sock
MW-3	01/27/10	3429.89	ND	58.24	ND	NA	NA	NA	3371.65	No Sock
MW-3	02/11/10	3429.89	ND	57.38	ND	NA	NA	NA	3372.51	No Sock
MW-3	02/17/10	3429.89	ND	57.96	ND	NA	NA	NA	3371.93	No Sock
MW-3	03/02/10	3429.89	ND	57.98	ND	NA	NA	NA	3371.91	No Sock
MW-3	03/10/10	3429.89	ND	57.97	ND	NA	NA	NA	3371.92	No Sock
MW-3	03/17/10	3429.89	ND	58.00	ND	NA	NA	NA	3371.89	No Sock
MW-3	03/24/10	3429.89	ND	57.95	ND	NA	NA	NA	3371.94	No Sock
MW-3	03/31/10	3429.89	ND	57.95	ND	NA	NA	NA	3371.94	No Sock
MW-3	04/07/10	3429.89	ND	57.97	ND	NA	NA	NA	3371.92	No Sock
MW-3	04/14/10	3429.89	ND	57.96	ND	NA	NA	NA	3371.93	No Sock
MW-3	04/21/10	3429.89	ND	57.95	ND	NA	NA	NA	3371.94	No Sock
MW-3	04/28/10	3429.89	ND	58.03	ND	NA	NA	NA	3371.86	No Sock
MW-3	05/05/10	3429.89	ND	57.95	ND	NA	NA	NA	3371.94	No Sock
MW-3	05/12/10	3429.89	ND	57.95	ND		0.00	5.00	3371.94	No Sock
MW-3	05/12/10	3429.89	ND	64.70	ND	NA	NA	NA	3365.19	No Sock
MW-3	05/19/10	3429.89	ND	58.25	ND	NA	NA	NA	3371.64	No Sock
MW-3	05/29/10	3429.89	ND	58.08	ND	NA	NA	NA	3371.81	No Sock
MW-3	06/02/10	3429.89	ND	58.08	ND	NA	NA	NA	3371.81	No Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-3	06/12/10	3429.89	ND	58.12	ND	NA	NA	NA	3371.77	No Sock
MW-3	06/15/10	3429.89	ND	58.01	ND	NA	NA	NA	3371.88	No Sock
MW-3	06/25/10	3429.89	ND	58.14	ND	NA	NA	NA	3371.75	No Sock
MW-3	06/30/10	3429.89	ND	58.16	ND	NA	NA	NA	3371.73	No Sock
MW-3	07/07/10	3429.89	ND	58.17	ND	NA	NA	NA	3371.72	No Sock
MW-3	07/14/10	3429.89	ND	58.16	ND	NA	NA	NA	3371.73	No Sock
MW-3	07/21/10	3429.89	ND	58.14	ND	NA	NA	NA	3371.75	No Sock
MW-3	07/28/10	3429.89	ND	58.12	ND	NA	NA	NA	3371.77	No Sock
MW-3	08/03/10	3429.89	ND	58.10	ND	NA	NA	NA	3371.79	No Sock
MW-3	08/11/10	3429.89	ND	58.04	ND	NA	NA	NA	3371.85	No Sock
MW-3	08/18/10	3429.89	ND	58.09	ND	NA	NA	NA	3371.80	No Sock
MW-3	08/25/10	3429.89	ND	58.11	ND	NA	NA	NA	3371.78	No Sock
MW-3	09/01/10	3429.89	ND	58.07	ND	NA	NA	NA	3371.82	No Sock
MW-3	09/08/10	3429.89	ND	58.09	ND	NA	NA	NA	3371.80	No Sock
MW-3	09/15/10	3429.89	ND	58.08	ND	NA	NA	NA	3371.81	No Sock
MW-3	09/21/10	3429.89	ND	58.05	ND	NA	NA	NA	3371.84	No Sock
MW-3	10/01/10	3429.89	ND	58.10	ND	NA	NA	NA	3371.79	No Sock
MW-3	10/06/10	3429.89	ND	58.09	ND	NA	NA	NA	3371.80	No Sock
MW-3	10/13/10	3429.89	ND	58.10	ND	NA	NA	NA	3371.79	No Sock
MW-3	10/22/10	3429.89	ND	58.09	ND	NA	NA	NA	3371.80	No Sock
MW-3	10/27/10	3429.89	ND	58.03	ND	NA	NA	NA	3371.86	No Sock
MW-3	11/03/10	3429.89	ND	58.10	ND	NA	NA	NA	3371.79	No Sock
MW-3	11/10/10	3429.89	ND	58.00	ND	NA	NA	NA	3371.89	No Sock
MW-3	11/16/10	3429.89	ND	58.10	ND	NA	NA	NA	3371.79	No Sock
MW-3	11/23/10	3429.89	ND	58.02	ND	NA	NA	NA	3371.87	No Sock
MW-3	12/01/10	3429.89	ND	58.03	ND	NA	NA	NA	3371.86	No Sock
MW-3	12/08/10	3429.89	ND	58.06	ND	NA	NA	NA	3371.83	No Sock
MW-3	12/15/10	3429.89	ND	58.02	ND	NA	NA	NA	3371.87	No Sock
MW-3	12/21/10	3429.89	ND	58.01	ND	NA	NA	NA	3371.88	No Sock
MW-3	01/08/11	3429.89	ND	58.02	ND	NA	NA	NA	3371.87	
MW-3	01/12/11	3429.89	ND	58.04	ND	NA	NA	NA	3371.85	
MW-3	01/19/11	3429.89	ND	58.01	ND	NA	NA	NA	3371.88	
MW-3	01/25/11	3429.89	ND	58.03	ND	NA	NA	NA	3371.86	
MW-3	02/04/11	3429.89	ND	58.03	ND	NA	NA	NA	3371.86	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-3	02/08/11	3429.89	ND	58.02	ND	NA	NA	NA	3371.87	
MW-3	02/16/11	3429.89	Sheen	58.03	Sheen	NA	NA	NA	3371.86	
MW-3	02/24/11	3429.89	ND	58.03	ND	NA	NA	NA	3371.86	
MW-3	03/02/11	3429.89	ND	58.03	ND	NA	NA	NA	3371.86	
MW-3	03/08/11	3429.89	ND	58.02	ND		0.00	5.00	3371.87	
MW-3	03/08/11	3429.89	ND	58.78	ND	NA	NA	NA	3371.11	
MW-3	03/16/11	3429.89	ND	58.04	ND	NA	NA	NA	3371.85	
MW-3	03/23/11	3429.89	58.03	58.04	0.01		0.10	4.90	3371.86	
MW-3	03/23/11	3429.89	ND	65.06	ND	NA	NA	NA	3364.83	
MW-3	03/30/11	3429.89	ND	58.27	ND	NA	NA	NA	3371.62	
MW-3	04/08/11	3429.89	ND	58.34	ND	NA	NA	NA	3371.55	
MW-3	04/13/11	3429.89	ND	58.05	ND	NA	NA	NA	3371.84	
MW-3	04/20/11	3429.89	ND	58.05	ND	NA	NA	NA	3371.84	
MW-3	04/27/11	3429.89	ND	58.05	ND	NA	NA	NA	3371.84	
MW-3	05/04/11	3429.89	ND	58.08	ND	NA	NA	NA	3371.81	
MW-3	05/11/11	3429.89	Sheen	58.07	Sheen	NA	NA	NA	3371.82	
MW-3	05/19/11	3429.89	Sheen	58.09	Sheen	NA	NA	NA	3371.80	
MW-3	05/24/11	3429.89	ND	58.18	ND	NA	NA	NA	3371.71	
MW-3	06/03/11	3429.89	Sheen	58.27	Sheen	NA	NA	NA	3371.62	
MW-3	06/08/11	3429.89	ND	58.25	ND	NA	NA	NA	3371.64	
MW-3	06/17/11	3429.89	ND	58.20	ND	NA	NA	NA	3371.69	
MW-3	06/21/11	3429.89	ND	58.19	ND	NA	NA	NA	3371.70	
MW-3	06/29/11	3429.89	Sheen	58.36	Sheen	NA	NA	NA	3371.53	
MW-3	07/06/11	3429.89	ND	58.59	ND	NA	NA	NA	3371.30	
MW-3	07/13/11	3429.89	Sheen	58.41	Sheen	NA	NA	NA	3371.48	
MW-3	07/21/11	3429.89	ND	58.44	ND	NA	NA	NA	3371.45	
MW-3	07/27/11	3429.89	ND	58.46	ND	NA	NA	NA	3371.43	
MW-3	08/03/11	3429.89	ND	58.47	ND	NA	NA	NA	3371.42	
MW-3	08/11/11	3429.89	ND	58.50	ND	NA	NA	NA	3371.39	
MW-3	08/17/11	3429.89	ND	58.43	ND	NA	NA	NA	3371.46	
MW-3	08/24/11	3429.89	Sheen	58.56	Sheen	NA	NA	NA	3371.33	
MW-3	08/29/11	3429.89	Sheen	58.57	Sheen	NA	NA	NA	3371.32	
MW-3	09/07/11	3429.89	sheen	58.60	sheen		0.10	4.90	3371.29	
MW-3	09/07/11	3429.89	ND	64.65	ND	NA	NA	NA	3365.24	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-3	09/14/11	3429.89	ND	58.88	ND	NA	NA	NA	3371.01	
MW-3	09/21/11	3429.89	Sheen	58.64	Sheen	NA	NA	NA	3371.25	
MW-3	09/26/11	3429.89	Sheen	58.61	Sheen	NA	NA	NA	3371.28	
MW-3	10/05/11	3429.89	ND	58.63	ND	NA	NA	NA	3371.26	
MW-3	10/12/11	3429.89	Light Sheen	58.64	Light Sheen	NA	NA	NA	3371.25	
MW-3	10/18/11	3429.89	ND	58.69	ND	NA	NA	NA	3371.20	
MW-3	10/28/11	3429.89	ND	58.68	ND	NA	NA	NA	3371.21	
MW-3	11/02/11	3429.89	ND	58.67	ND	NA	NA	NA	3371.22	
MW-3	11/09/11	3429.89	Sheen	58.67	Sheen	NA	NA	NA	3371.22	
MW-3	11/18/11	3429.89	Sheen	58.68	Sheen	NA	NA	NA	3371.21	
MW-3	11/23/11	3429.89	Sheen	58.68	Sheen	NA	NA	NA	3371.21	
MW-3	11/29/11	3429.89	Sheen	58.67	Sheen	NA	NA	NA	3371.22	
MW-3	12/13/11	3429.89	ND	58.70	ND	NA	NA	NA	3371.19	
MW-3	12/20/11	3429.89	Sheen	58.68	Sheen	NA	NA	NA	3371.21	
MW-3	12/27/11	3429.89	Light Sheen	58.63	Light Sheen	NA	NA	NA	3371.26	
MW-3	01/04/12	3429.89	Sheen	58.68	Sheen	NA	NA	NA	3371.21	
MW-3	01/13/12	3429.89	Sheen	58.66	Sheen	NA	NA	NA	3371.23	
MW-3	01/18/12	3429.89	Sheen	58.67	Sheen	NA	NA	NA	3371.22	
MW-3	01/27/12	3429.89	ND	58.61	ND	NA	NA	NA	3371.28	
MW-3	02/02/12	3429.89	ND	58.66	ND	NA	NA	NA	3371.23	
MW-3	02/08/12	3429.89	ND	58.68	ND	NA	NA	NA	3371.21	
MW-3	02/15/12	3429.89	Sheen	58.66	Sheen	NA	NA	NA	3371.23	
MW-3	02/23/12	3429.89	ND	58.66	ND	NA	NA	NA	3371.23	
MW-3	02/29/12	3429.89	ND	58.66	ND	NA	NA	NA	3371.23	
MW-3	03/14/12	3429.89	NG	NG	NG	NG	NG	NG	NG	No Key
MW-3	03/21/12	3429.89	ND	58.58	ND	NA	NA	NA	3371.31	
MW-3	03/29/12	3429.89	ND	58.42	ND	NA	NA	NA	3371.47	
MW-3	04/03/12	3429.89	ND	58.68	ND	NA	NA	NA	3371.21	
MW-3	04/11/12	3429.89	ND	58.54	ND	NA	NA	NA	3371.35	
MW-3	04/20/12	3429.89	ND	58.71	ND	NA	NA	NA	3371.18	
MW-3	04/26/12	3429.89	ND	58.68	ND	NA	NA	NA	3371.21	
MW-3	05/02/12	3429.89	ND	58.70	ND	NA	NA	NA	3371.19	
MW-3	05/09/12	3429.89	ND	58.72	ND	NA	NA	NA	3371.17	
MW-3	05/16/12	3429.89	ND	58.76	ND	NA	NA	NA	3371.13	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
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 Hugh Gathering
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-3	05/24/12	3429.89	ND	58.73	ND	NA	NA	NA	3371.16	
MW-3	05/29/12	3429.89	ND	59.27	ND	NA	NA	NA	3370.62	
MW-3	06/06/12	3429.89	ND	58.72	ND	NA	NA	NA	3371.17	
MW-3	06/13/12	3429.89	ND	58.68	ND	NA	NA	NA	3371.21	
MW-3	06/19/12	3429.89	ND	58.68	ND	NA	NA	NA	3371.21	
MW-3	06/27/12	3429.89	Sheen	58.72	Sheen	NA	NA	NA	3371.17	
MW-3	07/05/12	3429.89	ND	58.78	ND	NA	NA	NA	3371.11	
MW-3	07/11/12	3429.89	ND	58.80	ND	NA	NA	NA	3371.09	
MW-3	07/18/12	3429.89	ND	58.80	ND	NA	NA	NA	3371.09	
MW-3	07/25/12	3429.89	ND	58.86	ND	NA	NA	NA	3371.03	
MW-3	07/31/12	3429.89	ND	58.85	ND	NA	NA	NA	3371.04	
MW-3	08/08/12	3429.89	ND	58.88	ND	NA	NA	NA	3371.01	
MW-3	08/13/12	3429.89	ND	58.30	ND	NA	NA	NA	3371.59	
MW-3	08/20/12	3429.89	ND	58.91	ND	NA	NA	NA	3370.98	
MW-3	09/05/12	3429.89	ND	58.93	ND	NA	NA	NA	3370.96	
MW-3	09/12/12	3429.89	ND	58.90	ND	NA	NA	NA	3370.99	
MW-3	10/02/12	3429.89	ND	58.96	ND	NA	NA	NA	3370.93	
MW-3	10/10/12	3429.89	ND	58.93	ND	NA	NA	NA	3370.96	
MW-3	10/16/12	3429.89	ND	58.93	ND	NA	NA	NA	3370.96	
MW-3	10/24/12	3429.89	ND	58.98	ND	NA	NA	NA	3370.91	
MW-3	10/30/12	3429.89	ND	58.95	ND	NA	NA	NA	3370.94	
MW-3	11/06/12	3429.89	ND	58.96	ND	NA	NA	NA	3370.93	
MW-3	11/13/12	3429.89	ND	58.95	ND	NA	NA	NA	3370.94	
MW-3	11/19/12	3429.89	ND	58.96	ND	NA	NA	NA	3370.93	
MW-3	12/05/12	3429.89	ND	58.95	ND	NA	NA	NA	3370.94	
MW-3	12/11/12	3429.89	ND	58.97	ND	NA	NA	NA	3370.92	
MW-3	01/03/13	3429.89	ND	59.18	ND	NA	NA	NA	3370.71	
MW-3	01/16/13	3429.89	ND	59.00	ND	NA	NA	NA	3370.89	
MW-3	01/23/13	3429.89	ND	58.97	ND	NA	NA	NA	3370.92	
MW-3	01/30/13	3429.89	ND	58.98	ND	NA	NA	NA	3370.91	
MW-3	02/07/13	3429.89	ND	58.98	ND	NA	NA	NA	3370.91	
MW-3	02/13/13	3429.89	ND	58.98	ND	NA	NA	NA	3370.91	
MW-3	02/28/13	3429.89	ND	59.02	ND	NA	NA	NA	3370.87	
MW-3	03/05/13	3429.89	ND	58.99	ND	NA	NA	NA	3370.90	

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							PSH	H ₂ O		
MW-3	03/15/13	3429.89	ND	59.02	ND	NA	NA	NA	3370.87	
MW-3	03/21/13	3429.89	ND	58.97	ND	NA	NA	NA	3370.92	
MW-3	03/29/13	3429.89	ND	58.98	ND	NA	NA	NA	3370.91	
MW-3	04/09/13	3429.89	ND	59.02	ND	NA	NA	NA	3370.87	
MW-3	04/20/13	3429.89	ND	59.05	ND	NA	NA	NA	3370.84	
MW-3	04/23/13	3429.89	NG	NG	NG	NA	NA	NA	NG	
MW-3	05/01/13	3429.89	ND	59.02	ND	NA	NA	NA	3370.87	
MW-3	05/15/13	3429.89	ND	59.04	ND	NA	NA	NA	3370.85	
MW-3	05/21/13	3429.89	ND	59.05	ND	NA	NA	NA	3370.84	
MW-3	06/04/13	3429.89	ND	59.05	ND	NA	NA	NA	3370.84	
MW-3	06/13/13	3429.89	ND	59.11	ND	NA	NA	NA	3370.78	Sheen/Sample
MW-3	06/17/13	3429.89	60.67	60.68	0.01	NA	0.10	10.00	3369.22	
MW-3	06/26/13	3429.89	ND	59.15	ND	NA	NA	NA	3370.74	
MW-3	07/03/13	3429.89	ND	59.12	ND	NA	NA	NA	3370.77	
MW-3	07/10/13	3429.89	ND	59.12	ND	NA	NA	NA	3370.77	
MW-3	08/07/13	3429.89	ND	59.05	ND	NA	NA	NA	3370.84	
MW-3	08/14/13	3429.89	ND	59.25	ND	NA	NA	NA	3370.64	
MW-3	08/21/13	3429.89	ND	59.20	ND	NA	NA	NA	3370.69	
MW-3	08/28/13	3429.89	ND	59.24	ND	NA	NA	NA	3370.65	
MW-3	09/06/13	3429.89	ND	59.26	ND	NA	NA	NA	3370.63	
MW-3	09/11/13	3429.89	ND	59.28	ND	NA	NA	NA	3370.61	
MW-3	09/21/13	3429.89	ND	59.28	ND	NA	NA	NA	3370.61	
MW-3	09/28/13	3429.89	ND	59.29	ND	NA	NA	NA	3370.60	
MW-3	10/02/13	3429.89	ND	59.28	ND	NA	NA	NA	3370.61	
MW-3	10/11/13	3429.89	ND	59.27	ND	NA	NA	NA	3370.62	
MW-3	10/16/13	3429.89	ND	59.23	ND	NA	NA	NA	3370.66	
MW-3	10/30/13	3429.89	ND	59.28	ND	NA	NA	NA	3370.61	
MW-3	11/13/13	3429.89	ND	59.32	ND	NA	NA	NA	3370.57	
MW-3	11/20/13	3429.89	ND	59.18	ND	NA	NA	NA	3370.71	
MW-3	11/27/13	3429.89	ND	59.25	ND	NA	NA	NA	3370.64	
MW-3	12/13/13	3429.89	ND	59.22	ND	NA	NA	NA	3370.67	
MW-3	12/17/13	3429.89	ND	59.22	ND	NA	NA	NA	3370.67	
MW-4	02/21/07	3430.36	58.02	58.14	0.12	NA	NA	NA	3372.32	

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HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-4	03/07/07	3430.36	57.98	57.99	0.01	NA	NA	NA	3372.38	Installed Sock
MW-4	03/14/07	3430.36	58.18	58.19	0.01	NA	NA	NA	3372.18	Flipped Sock
MW-4	03/21/07	3430.36	58.17	58.19	0.02	NA	NA	NA	3372.19	Sock
MW-4	03/28/07	3430.36	ND	58.10	ND	NA	NA	NA	3372.26	New Sock
MW-4	04/03/07	3430.36	ND	58.27	ND	NA	NA	NA	3372.09	Sock
MW-4	04/10/07	3430.36	ND	58.31	ND	NA	NA	NA	3372.05	Sock
MW-4	04/18/07	3430.36	ND	58.26	ND	NA	NA	NA	3372.10	Sock
MW-4	04/24/07	3430.36	ND	58.33	ND	NA	NA	NA	3372.03	Sock
MW-4	05/03/07	3430.36	ND	58.36	ND	NA	NA	NA	3372.00	New Sock
MW-4	05/11/07	3430.36	58.04	58.15	0.11	NA	NA	NA	3372.30	Flipped Sock
MW-4	05/16/07	3430.36	ND	58.09	ND	NA	NA	NA	3372.27	Sock
MW-4	05/23/07	3430.36	ND	58.12	ND	NA	NA	NA	3372.24	Sock
MW-4	05/31/07	3430.36	ND	58.09	ND	NA	NA	NA	3372.27	Sock
MW-4	06/06/07	3430.36	ND	58.00	ND	NA	NA	NA	3372.36	Sock
MW-4	06/13/07	3430.36	ND	58.05	ND	NA	NA	NA	3372.31	New Sock
MW-4	06/19/07	3430.36	ND	58.04	ND	NA	NA	NA	3372.32	Flipped Sock
MW-4	06/27/07	3430.36	ND	58.12	ND	NA	NA	NA	3372.24	Sock
MW-4	07/05/07	3430.36	ND	58.00	ND	NA	NA	NA	3372.36	Sock
MW-4	07/11/07	3430.36	ND	58.03	ND	NA	NA	NA	3372.33	Sock
MW-4	07/19/07	3430.36	ND	58.02	ND	NA	NA	NA	3372.34	Flipped Sock
MW-4	07/24/07	3430.36	ND	58.06	ND	NA	NA	NA	3372.30	Sock
MW-4	07/31/07	3430.36	ND	58.06	ND	NA	NA	NA	3372.30	Sock
MW-4	08/09/07	3430.36	ND	58.16	ND	NA	NA	NA	3372.20	New Sock
MW-4	08/16/07	3430.36	ND	58.13	ND	NA	NA	NA	3372.23	Sock
MW-4	08/22/07	3430.36	ND	58.06	ND	NA	NA	NA	3372.30	Sock
MW-4	08/28/07	3430.36	ND	58.12	ND	NA	NA	NA	3372.24	Sock
MW-4	09/06/07	3430.36	ND	57.94	ND	NA	NA	NA	3372.42	Sock
MW-4	09/13/07	3430.36	ND	58.09	ND	NA	NA	NA	3372.27	Sock
MW-4	09/18/07	3430.36	ND	58.07	ND	NA	NA	NA	3372.29	Sock
MW-4	09/26/07	3430.36	ND	58.12	ND	NA	NA	NA	3372.24	Sock
MW-4	10/04/07	3430.36	ND	58.20	ND	NA	NA	NA	3372.16	New Sock
MW-4	10/10/07	3430.36	ND	58.19	ND	NA	NA	NA	3372.17	Sock
MW-4	10/17/07	3430.36	ND	58.21	ND	NA	NA	NA	3372.15	Sock
MW-4	10/24/07	3430.36	ND	58.15	ND	NA	NA	NA	3372.21	Sock

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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-4	10/31/07	3430.36	ND	58.16	ND	NA	NA	NA	3372.20	Sock
MW-4	11/07/07	3430.36	ND	58.20	ND	NA	NA	NA	3372.16	Sock
MW-4	11/13/07	3430.36	ND	58.12	ND	NA	NA	NA	3372.24	Sock
MW-4	11/20/07	3430.36	ND	58.14	ND	NA	NA	NA	3372.22	Sock
MW-4	11/27/07	3430.36	ND	58.11	ND	NA	NA	NA	3372.25	Sock
MW-4	12/05/07	3430.36	ND	58.17	ND	NA	NA	NA	3372.19	Flipped Sock
MW-4	12/12/07	3430.36	ND	58.16	ND	NA	NA	NA	3372.20	Sock
MW-4	12/18/07	3430.36	ND	58.20	ND	NA	NA	NA	3372.16	Sock
MW-4	12/27/07	3430.36	ND	58.16	ND	NA	NA	NA	3372.20	Sock
MW-4	01/03/08	3430.36	ND	58.21	ND	NA	NA	NA	3372.15	Sock
MW-4	01/09/08	3430.36	ND	57.57	ND	NA	NA	NA	3372.79	Sock
MW-4	01/17/08	3430.36	ND	58.14	ND	NA	NA	NA	3372.22	Sock
MW-4	01/23/08	3430.36	ND	58.14	ND	NA	NA	NA	3372.22	Sock
MW-4	01/30/08	3430.36	ND	58.11	ND	NA	NA	NA	3372.25	Sock
MW-4	02/06/08	3430.36	ND	58.16	ND	NA	NA	NA	3372.20	Sock
MW-4	02/13/08	3430.36	ND	58.18	ND	NA	NA	NA	3372.18	Sock
MW-4	02/19/08	3430.36	ND	58.15	ND	NA	NA	NA	3372.21	New Sock
MW-4	02/19/08	3430.36	57.96	57.99	0.03		0.20	9.80	3372.40	New Sock
MW-4	02/27/08	3430.36	ND	58.10	ND	NA	NA	NA	3372.26	Sock
MW-4	03/04/08	3430.36	ND	58.10	ND	NA	NA	NA	3372.26	Sock
MW-4	03/12/08	3430.36	ND	58.02	ND	NA	NA	NA	3372.34	Sock
MW-4	03/19/08	3430.36	ND	58.05	ND	NA	NA	NA	3372.31	Sock
MW-4	03/26/08	3430.36	ND	58.05	ND	NA	NA	NA	3372.31	Sock
MW-4	04/02/08	3430.36	ND	58.08	ND	NA	NA	NA	3372.28	Sock
MW-4	04/09/08	3430.36	ND	58.06	ND	NA	NA	NA	3372.30	Sock
MW-4	04/16/08	3430.36	ND	58.10	ND	NA	NA	NA	3372.26	Sock
MW-4	04/24/08	3430.36	ND	58.08	ND	NA	NA	NA	3372.28	New Sock
MW-4	04/30/08	3430.36	ND	58.01	ND	NA	NA	NA	3372.35	Sock
MW-4	05/07/08	3430.36	ND	58.05	ND	NA	NA	NA	3372.31	Sock
MW-4	05/14/08	3430.36	ND	58.08	ND	NA	NA	NA	3372.28	Sock
MW-4	05/20/08	3430.36	ND	58.12	ND	NA	NA	NA	3372.24	Sock
MW-4	05/29/08	3430.36	ND	58.08	ND	NA	NA	NA	3372.28	Sock
MW-4	06/04/08	3430.36	ND	58.10	ND	NA	NA	NA	3372.26	Sock
MW-4	06/11/08	3430.36	ND	58.15	ND	NA	NA	NA	3372.21	Sock

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							PSH	H ₂ O		
MW-4	06/18/08	3430.36	ND	58.19	ND	NA	NA	NA	3372.17	Sock
MW-4	06/26/08	3430.36	ND	58.25	ND	NA	NA	NA	3372.11	Sock
MW-4	07/02/08	3430.36	ND	58.23	ND	NA	NA	NA	3372.13	Sock
MW-4	07/07/08	3430.36	ND	58.16	ND	NA	NA	NA	3372.20	Sock
MW-4	07/16/08	3430.36	ND	58.22	ND	NA	NA	NA	3372.14	Sock
MW-4	07/21/08	3430.36	ND	58.25	ND	NA	NA	NA	3372.11	Sock
MW-4	07/29/08	3430.36	ND	58.29	ND	NA	NA	NA	3372.07	Sock
MW-4	08/06/08	3430.36	ND	58.31	ND	NA	NA	NA	3372.05	Sock
MW-4	08/13/08	3430.36	ND	58.27	ND	NA	NA	NA	3372.09	New Sock
MW-4	08/18/08	3430.36	ND	58.19	ND	NA	NA	NA	3372.17	Sock
MW-4	08/27/08	3430.36	ND	58.22	ND	NA	NA	NA	3372.14	Sock
MW-4	09/02/08	3430.36	ND	58.28	ND	NA	NA	NA	3372.08	Sock
MW-4	09/09/08	3430.36	ND	58.32	ND	NA	NA	NA	3372.04	Sock
MW-4	09/17/08	3430.36	ND	58.10	ND	NA	NA	NA	3372.26	Sock
MW-4	09/24/08	3430.36	ND	58.22	ND	NA	NA	NA	3372.14	Sock
MW-4	10/01/08	3430.36	ND	58.31	ND	NA	NA	NA	3372.05	Sock
MW-4	10/08/08	3430.36	ND	58.27	ND	NA	NA	NA	3372.09	Sock
MW-4	10/15/08	3430.36	ND	58.42	ND	NA	NA	NA	3371.94	Flipped Sock
MW-4	10/22/08	3430.36	ND	58.24	ND	NA	NA	NA	3372.12	Sock
MW-4	10/29/08	3430.36	ND	58.25	ND	NA	NA	NA	3372.11	Sock
MW-4	11/05/08	3430.36	ND	58.23	ND	NA	NA	NA	3372.13	Sock
MW-4	11/12/08	3430.36	ND	58.21	ND	NA	NA	NA	3372.15	Sock
MW-4	11/20/08	3430.36	ND	58.26	ND	NA	NA	NA	3372.10	Sock
MW-4	11/26/08	3430.36	ND	58.23	ND	NA	NA	NA	3372.13	Sock
MW-4	12/03/08	3430.36	ND	58.26	ND	NA	NA	NA	3372.10	Sock
MW-4	12/10/08	3430.36	ND	58.29	ND	NA	NA	NA	3372.07	Sock
MW-4	12/17/08	3430.36	ND	58.21	ND	NA	NA	NA	3372.15	Sock
MW-4	12/21/08	3430.36	ND	58.34	ND	NA	NA	NA	3372.02	Sock
MW-4	12/31/08	3430.36	ND	58.32	ND	NA	NA	NA	3372.04	New Sock
MW-4	01/02/09	3430.36	ND	58.34	ND	NA	NA	NA	3372.02	New Sock
MW-4	01/07/09	3430.36	ND	58.21	ND	NA	NA	NA	3372.15	New Sock
MW-4	01/15/09	3430.36	ND	58.21	ND	NA	NA	NA	3372.15	New Sock
MW-4	01/22/09	3430.36	ND	58.16	ND	NA	NA	NA	3372.20	Flipped Sock
MW-4	01/28/09	3430.36	ND	58.17	ND	NA	NA	NA	3372.19	New Sock

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							PSH	H ₂ O		
MW-4	02/04/09	3430.36	ND	58.14	ND	NA	NA	NA	3372.22	Sock
MW-4	02/04/09	3430.36	ND	58.21	ND	NA	NA	NA	3372.15	Sock
MW-4	02/18/09	3430.36	ND	58.13	ND	NA	NA	NA	3372.23	Sock
MW-4	02/25/09	3430.36	ND	58.14	ND	NA	NA	NA	3372.22	Sock
MW-4	03/04/09	3430.36	ND	58.13	ND	NA	NA	NA	3372.23	New Sock
MW-4	03/11/09	3430.36	ND	58.18	ND	NA	NA	NA	3372.18	Flipped Sock
MW-4	03/18/09	3430.36	ND	58.11	ND	NA	NA	NA	3372.25	Sock
MW-4	03/25/09	3430.36	ND	58.10	ND	NA	NA	NA	3372.26	New Sock
MW-4	04/01/09	3430.36	ND	58.11	ND	NA	NA	NA	3372.25	Sock
MW-4	04/08/09	3430.36	ND	58.13	ND	NA	NA	NA	3372.23	Sock
MW-4	04/15/09	3430.36	ND	58.16	ND	NA	NA	NA	3372.20	Sock
MW-4	04/22/09	3430.36	ND	58.14	ND	NA	NA	NA	3372.22	Sock
MW-4	04/29/09	3430.36	ND	58.10	ND	NA	NA	NA	3372.26	Sock
MW-4	05/06/09	3430.36	ND	58.13	ND	NA	NA	NA	3372.23	Sock
MW-4	05/14/09	3430.36	ND	58.18	ND	NA	NA	NA	3372.18	Sock
MW-4	05/20/09	3430.36	ND	58.13	ND	NA	NA	NA	3372.23	Sock
MW-4	05/27/09	3430.36	ND	58.22	ND		0.00	27.00	3372.14	Sock
MW-4	05/27/09	3430.36	ND	68.07	ND	NA	NA	NA	3362.29	Sock
MW-4	06/03/09	3430.36	ND	58.26	ND	NA	NA	NA	3372.10	Sock
MW-4	06/11/09	3430.36	ND	58.21	ND	NA	NA	NA	3372.15	Sock
MW-4	06/17/09	3430.36	ND	58.40	ND	NA	NA	NA	3371.96	Sock
MW-4	06/23/09	3430.36	ND	58.34	ND	NA	NA	NA	3372.02	Sock
MW-4	07/01/09	3430.36	ND	58.36	ND	NA	NA	NA	3372.00	Sock
MW-4	07/07/09	3430.36	ND	58.33	ND	NA	NA	NA	3372.03	Sock
MW-4	07/15/09	3430.36	ND	58.44	ND	NA	NA	NA	3371.92	Sock
MW-4	07/22/09	3430.36	ND	58.48	ND	NA	NA	NA	3371.88	New Sock
MW-4	07/29/09	3430.36	ND	58.37	ND	NA	NA	NA	3371.99	Sock
MW-4	08/05/09	3430.36	ND	58.35	ND	NA	NA	NA	3372.01	Flipped Sock
MW-4	08/12/09	3430.36	ND	58.33	ND	NA	NA	NA	3372.03	
MW-4	08/19/09	3430.36	ND	58.33	ND	NA	NA	NA	3372.03	
MW-4	08/27/09	3430.36	ND	58.38	ND	NA	NA	NA	3371.98	
MW-4	09/02/09	3430.36	ND	58.39	ND	NA	NA	NA	3371.97	
MW-4	09/09/09	3430.36	ND	58.36	ND	NA	NA	NA	3372.00	Flipped Sock
MW-4	09/16/09	3430.36	ND	58.45	ND	NA	NA	NA	3371.91	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-4	09/23/09	3430.36	ND	58.42	ND	NA	NA	NA	3371.94	
MW-4	09/30/09	3430.36	ND	58.40	ND		0.10	12.90	3371.96	
MW-4	09/30/09	3430.36	ND	66.89	ND	NA	NA	NA	3363.47	
MW-4	10/07/09	3430.36	ND	58.47	ND		0.00	10.00	3371.89	
MW-4	10/07/09	3430.36	ND	66.79	ND	NA	NA	NA	3363.57	
MW-4	10/14/09	3430.36	ND	58.47	ND		0.00	10.00	3371.89	
MW-4	10/14/09	3430.36	ND	63.10	ND	NA	NA	NA	3367.26	
MW-4	10/21/09	3430.36	ND	58.58	ND	Hand Bailed	0.25	9.75	3371.78	New Sock
MW-4	10/21/09	3430.36	ND	63.90	ND	NA	NA	NA	3366.46	
MW-4	10/29/09	3430.36	ND	58.47	ND		0.10	0.00	3371.89	
MW-4	11/04/09	3430.36	ND	58.54	ND	NA	NA	NA	3371.82	
MW-4	11/11/09	3430.36	ND	58.46	ND		0.10	10.00	3371.90	
MW-4	11/11/09	3430.36	ND	61.75	ND	NA	NA	NA	3368.61	
MW-4	11/17/09	3430.36	ND	58.42	ND	NA	NA	NA	3371.94	New Sock
MW-4	11/25/09	3430.36	ND	58.49	ND	NA	NA	NA	3371.87	
MW-4	12/02/09	3430.36	ND	58.61	ND		0.00	10.00	3371.75	
MW-4	12/02/09	3430.36	ND	62.51	ND	NA	NA	NA	3367.85	
MW-4	12/09/09	3430.36	ND	58.81	ND		0.00	10.00	3371.55	
MW-4	12/09/09	3430.36	ND	62.11	ND	NA	NA	NA	3368.25	
MW-4	12/16/09	3430.36	ND	58.48	ND	NA	NA	NA	3371.88	
MW-4	12/23/09	3430.36	ND	58.55	ND		0.00	15.00	3371.81	
MW-4	12/23/09	3430.36	ND	62.63	ND	NA	NA	NA	3367.73	
MW-4	12/30/09	3430.36	ND	58.69	ND	NA	NA	NA	3371.67	
MW-4	01/06/10	3430.36	ND	58.48	ND	NA	NA	NA	3371.88	
MW-4	01/13/10	3430.36	ND	58.46	ND		0.00	10.00	3371.90	
MW-4	01/13/10	3430.36	ND	60.83	ND	NA	NA	NA	3369.53	
MW-4	01/20/10	3430.36	ND	58.50	ND	NA	NA	NA	3371.86	
MW-4	01/27/10	3430.36	ND	58.02	ND	NA	NA	NA	3372.34	
MW-4	02/11/10	3430.36	ND	58.47	ND	NA	NA	NA	3371.89	
MW-4	02/17/10	3430.36	ND	58.46	ND	Pumped	0.10	9.90	3371.90	
MW-4	02/17/10	3430.36	ND	61.69	ND	NA	NA	NA	3368.67	
MW-4	03/02/10	3430.36	ND	58.47	ND	NA	NA	NA	3371.89	
MW-4	03/10/10	3430.36	ND	58.38	ND	NA	NA	NA	3371.98	
MW-4	03/17/10	3430.36	58.42	58.44	0.02	Pumped	0.10	14.90	3371.94	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-4	03/17/10	3430.36	ND	62.67	ND	NA	NA	NA	3367.69	
MW-4	03/24/10	3430.36	ND	58.41	ND	NA	NA	NA	3371.95	
MW-4	03/31/10	3430.36	ND	58.34	ND	NA	NA	NA	3372.02	
MW-4	04/07/10	3430.36	ND	58.43	ND	NA	NA	NA	3371.93	
MW-4	04/14/10	3430.36	ND	58.30	ND	NA	NA	NA	3372.06	
MW-4	04/21/10	3430.36	ND	58.31	ND	NA	NA	NA	3372.05	
MW-4	04/28/10	3430.36	ND	58.31	ND	NA	NA	NA	3372.05	
MW-4	05/05/10	3430.36	58.26	58.27	0.01	NA	NA	NA	3372.10	
MW-4	05/12/10	3430.36	58.25	58.26	0.01	Pumped	0.10	27.90	3372.11	
MW-4	05/12/10	3430.36	ND	62.05	ND	NA	NA	NA	3368.31	
MW-4	05/19/10	3430.36	58.36	58.37	0.01	Pumped	0.10	9.90	3372.00	
MW-4	05/19/10	3430.36	ND	62.33	ND	NA	NA	NA	3368.03	
MW-4	05/29/10	3430.36	58.38	58.41	0.03	Pumped	0.10	4.90	3371.98	
MW-4	05/29/10	3430.36	ND	61.84	ND	NA	NA	NA	3368.52	
MW-4	06/02/10	3430.36	58.39	58.40	0.01	NA	NA	NA	3371.97	
MW-4	06/12/10	3430.36	58.44	58.45	0.01	Pumped	0.10	9.90	3371.92	
MW-4	06/12/10	3430.36	ND	60.47	ND	NA	NA	NA	3369.89	
MW-4	06/15/10	3430.36	58.34	58.37	0.03	Pumped	0.10	1.90	3372.02	
MW-4	06/15/10	3430.36	ND	58.52	ND	NA	NA	NA	3371.84	
MW-4	06/25/10	3430.36	58.46	58.47	0.01	NA	NA	NA	3371.90	
MW-4	06/30/10	3430.36	58.47	58.48	0.01	NA	NA	NA	3371.89	
MW-4	07/07/10	3430.36	58.47	58.48	0.01	NA	NA	NA	3371.89	
MW-4	07/14/10	3430.36	58.46	58.47	0.01	NA	NA	NA	3371.90	
MW-4	07/21/10	3430.36	58.44	58.45	0.01	NA	NA	NA	3371.92	
MW-4	07/21/10	3430.36	ND	62.89	ND	Pumped	0.10	9.90	3367.47	
MW-4	07/28/10	3430.36	58.42	58.43	0.01	NA	NA	NA	3371.94	
MW-4	08/03/10	3430.36	58.41	58.42	0.01	NA	NA	NA	3371.95	
MW-4	08/11/10	3430.36	58.40	58.41	0.01	Pumped	0.10	9.90	3371.96	
MW-4	08/11/10	3430.36	ND	63.00	ND	NA	NA	NA	3367.36	
MW-4	08/18/10	3430.36	58.41	58.42	0.01	NA	NA	NA	3371.95	
MW-4	08/25/10	3430.36	58.43	58.44	0.01	NA	NA	NA	3371.93	
MW-4	09/01/10	3430.36	58.39	58.40	0.01	Pumped	0.10	14.90	3371.97	
MW-4	09/01/10	3430.36	ND	64.75	ND	NA	NA	NA	3365.61	
MW-4	09/08/10	3430.36	58.39	58.40	0.01	Pumped	0.10	14.90	3371.97	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-4	09/08/10	3430.36	ND	65.65	ND	NA	NA	NA	3364.71	
MW-4	09/15/10	3430.36	58.38	58.39	0.01	Pumped	0.10	9.90	3371.98	
MW-4	09/15/10	3430.36	ND	65.40	ND	NA	NA	NA	3364.96	
MW-4	09/21/10	3430.36	58.38	58.39	0.01	NA	NA	NA	3371.98	
MW-4	10/01/10	3430.36	58.41	58.42	0.01	NA	NA	NA	3371.95	
MW-4	10/06/10	3430.36	58.41	58.42	0.01	NA	NA	NA	3371.95	
MW-4	10/13/10	3430.36	58.40	58.41	0.01	NA	NA	NA	3371.96	
MW-4	10/22/10	3430.36	58.39	58.40	0.01	NA	NA	NA	3371.97	
MW-4	10/27/10	3430.36	58.36	58.37	0.01	Pumped	0.10	9.90	3372.00	
MW-4	10/27/10	3430.36	ND	64.73	ND	NA	NA	NA	3365.63	
MW-4	11/03/10	3430.36	58.39	58.40	0.01	NA	NA	NA	3371.97	
MW-4	11/10/10	3430.36	58.33	58.34	0.01	NA	NA	NA	3372.03	
MW-4	11/16/10	3430.36	58.36	58.37	0.01	Pumped	0.10	14.90	3372.00	
MW-4	11/16/10	3430.36	ND	63.71	ND	NA	NA	NA	3366.65	
MW-4	11/23/10	3430.36	58.34	58.35	0.01	NA	NA	NA	3372.02	
MW-4	12/01/10	3430.36	58.34	58.35	0.01	Pumped	0.10	9.90	3372.02	
MW-4	12/01/10	3430.36	ND	61.40	ND	NA	NA	NA	3368.96	
MW-4	12/08/10	3430.36	58.31	58.32	0.01	Pumped	0.10	14.90	3372.05	
MW-4	12/08/10	3430.36	ND	63.74	ND	NA	NA	NA	3366.62	
MW-4	12/15/10	3430.36	58.26	58.27	0.01	NA	NA	NA	3372.10	
MW-4	12/21/10	3430.36	58.31	58.32	0.01	NA	NA	NA	3372.05	
MW-4	01/08/11	3430.36	58.31	58.32	0.01	NA	NA	NA	3372.05	
MW-4	01/12/11	3430.36	58.37	58.38	0.01	Hand Bailed	0.10	9.90	3371.99	
MW-4	01/12/11	3430.36	ND	63.37	ND	NA	NA	NA	3366.99	
MW-4	01/19/11	3430.36	58.27	58.28	0.01	NA	NA	NA	3372.09	
MW-4	01/25/11	3430.36	58.31	58.32	0.01	NA	NA	NA	3372.05	
MW-4	02/04/11	3430.36	58.33	58.34	0.01	NA	NA	NA	3372.03	
MW-4	02/08/11	3430.36	58.31	58.32	0.01	NA	NA	NA	3372.05	
MW-4	02/16/11	3430.36	58.30	58.31	0.01	NA	NA	NA	3372.06	
MW-4	02/24/11	3430.36	58.36	58.37	0.01	NA	NA	NA	3372.00	
MW-4	03/02/11	3430.36	58.32	58.33	0.01	NA	NA	NA	3372.04	
MW-4	03/08/11	3430.36	58.33	58.34	0.01		0.10	4.90	3372.03	
MW-4	03/08/11	3430.36	ND	60.88	ND	NA	NA	NA	3369.48	
MW-4	03/16/11	3430.36	58.35	58.36	0.01		0.10	4.90	3372.01	

TABLE 2
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Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-4	03/16/11	3430.36	ND	62.70	ND	NA	NA	NA	3367.66	
MW-4	03/23/11	3430.36	58.37	58.38	0.01		0.10	4.90	3371.99	
MW-4	03/23/11	3430.36	ND	62.16	ND	NA	NA	NA	3368.20	
MW-4	03/30/11	3430.36	58.30	58.31	0.01	NA	NA	NA	3372.06	
MW-4	04/08/11	3430.36	58.36	58.37	0.01		0.10	4.90	3372.00	
MW-4	04/08/11	3430.36	ND	62.21	ND	NA	NA	NA	3368.15	
MW-4	04/13/11	3430.36	58.36	58.37	0.01		0.10	4.90	3372.00	
MW-4	04/13/11	3430.36	ND	61.96	ND	NA	NA	NA	3368.40	
MW-4	04/20/11	3430.36	58.36	58.38	0.02		0.10	4.90	3372.00	
MW-4	04/20/11	3430.36	ND	62.45	ND	NA	NA	NA	3367.91	
MW-4	04/27/11	3430.36	58.41	58.42	0.01	NA	NA	NA	3371.95	
MW-4	05/04/11	3430.36	58.38	58.39	0.01	NA	NA	NA	3371.98	
MW-4	05/11/11	3430.36	58.41	58.42	0.01	NA	NA	NA	3371.95	
MW-4	05/19/11	3430.36	58.40	58.41	0.01	NA	NA	NA	3371.96	
MW-4	05/24/11	3430.36	58.48	58.49	0.01	NA	NA	NA	3371.88	
MW-4	06/02/11	3430.36	58.53	58.54	0.01	NA	NA	NA	3371.83	
MW-4	06/03/11	3430.36	58.58	58.59	0.01	NA	NA	NA	3371.78	Sampled
MW-4	06/08/11	3430.36	58.55	58.56	0.01	NA	NA	NA	3371.81	
MW-4	06/17/11	3430.36	58.53	58.54	0.01	NA	NA	NA	3371.83	
MW-4	06/21/11	3430.36	58.50	58.52	0.02	NA	NA	NA	3371.86	
MW-4	06/29/11	3430.36	58.65	58.66	0.01	NA	NA	NA	3371.71	
MW-4	07/06/11	3430.36	58.68	58.70	0.02	NA	NA	NA	3371.68	
MW-4	07/13/11	3430.36	58.68	58.69	0.01	NA	NA	NA	3371.68	
MW-4	07/21/11	3430.36	58.72	58.74	0.02		0.10	4.90	3371.64	
MW-4	07/21/11	3430.36	ND	62.60	ND	NA	NA	NA	3367.76	
MW-4	07/27/11	3430.36	58.73	58.74	0.01	NA	NA	NA	3371.63	
MW-4	08/03/11	3430.36	58.78	58.79	0.01	NA	NA	NA	3371.58	
MW-4	08/11/11	3430.36	58.80	58.81	0.01	NA	NA	NA	3371.56	
MW-4	08/17/11	3430.36	58.71	58.72	0.01	NA	NA	NA	3371.65	
MW-4	08/24/11	3430.36	58.85	58.86	0.01	NA	NA	NA	3371.51	
MW-4	08/29/11	3430.36	58.85	58.86	0.01		0.10	4.90	3371.51	
MW-4	08/29/11	3430.36	ND	62.50	ND	NA	NA	NA	3367.86	
MW-4	09/07/11	3430.36	58.89	58.90	0.01	NA	NA	NA	3371.47	
MW-4	09/14/11	3430.36	58.90	58.91	0.01	NA	NA	NA	3371.46	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-4	09/21/11	3430.36	58.92	58.93	0.01	NA	NA	NA	3371.44	
MW-4	09/26/11	3430.36	58.90	58.92	0.02	NA	NA	NA	3371.46	
MW-4	10/05/11	3430.36	58.87	58.89	0.02	NA	NA	NA	3371.49	
MW-4	10/12/11	3430.36	58.93	58.95	0.02		0.10	4.90	3371.43	
MW-4	10/12/11	3430.36	ND	63.50	ND	NA	NA	NA	3366.86	
MW-4	10/18/11	3430.36	58.94	58.95	0.01	NA	NA	NA	3371.42	
MW-4	10/28/11	3430.36	58.98	58.99	0.01	NA	NA	NA	3371.38	
MW-4	11/02/11	3430.36	58.99	59.00	0.01	NA	NA	NA	3371.37	
MW-4	11/09/11	3430.36	59.00	59.01	0.01		0.10	4.90	3371.36	
MW-4	11/09/11	3430.36	ND	62.50	ND	NA	NA	NA	3367.86	
MW-4	11/18/11	3430.36	58.95	58.96	0.01	NA	NA	NA	3371.41	
MW-4	11/23/11	3430.36	58.99	59.00	0.01	NA	NA	NA	3371.37	
MW-4	11/29/11	3430.36	58.97	58.98	0.01	NA	NA	NA	3371.39	
MW-4	12/13/11	3430.36	58.96	58.97	0.01	NA	NA	NA	3371.40	
MW-4	12/20/11	3430.36	58.97	58.98	0.01	NA	NA	NA	3371.39	
MW-4	12/27/11	3430.36	58.98	58.99	0.01	NA	NA	NA	3371.38	
MW-4	01/04/12	3430.36	58.99	60.00	1.01	Hand Bailed	0.10	4.90	3371.22	
MW-4	01/04/12	3430.36	ND	62.10	ND	NA	NA	NA	3368.26	
MW-4	01/13/12	3430.36	58.97	58.98	0.01	Hand Bailed	0.10	4.90	3371.39	
MW-4	01/13/12	3430.36	ND	62.34	ND	NA	NA	NA	3368.02	
MW-4	01/18/12	3430.36	58.96	58.97	0.01	NA	NA	NA	3371.40	
MW-4	01/27/12	3430.36	58.97	58.98	0.01	NA	NA	NA	3371.39	
MW-4	02/02/12	3430.36	58.73	58.94	0.21	NA	NA	NA	3371.60	
MW-4	02/08/12	3430.36	58.88	58.89	0.01	NA	NA	NA	3371.48	
MW-4	02/15/12	3430.36	58.97	58.98	0.01	NA	NA	NA	3371.39	
MW-4	02/23/12	3430.36	58.94	58.95	0.01	NA	NA	NA	3371.42	
MW-4	02/29/12	3430.36	58.97	58.98	0.01	NA	NA	NA	3371.39	
MW-4	03/14/12	3430.36	59.00	59.01	0.01	NA	NA	NA	3371.36	
MW-4	03/21/12	3430.36	58.82	58.83	0.01	NA	NA	NA	3371.54	
MW-4	03/29/12	3430.36	58.89	58.90	0.01	NA	NA	NA	3371.47	
MW-4	04/03/12	3430.36	59.01	59.04	0.03	NA	NA	NA	3371.35	
MW-4	04/11/12	3430.36	58.93	58.94	0.01	NA	NA	NA	3371.43	
MW-4	04/20/12	3430.36	59.06	59.07	0.01	NA	NA	NA	3371.30	
MW-4	04/26/12	3430.36	58.98	58.99	0.01		0.10	4.90	3371.38	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-4	04/26/12	3430.36	ND	61.82	ND	NA	NA	NA	3368.54	
MW-4	05/02/12	3430.36	59.00	59.01	0.01	NA	NA	NA	3371.36	
MW-4	05/09/12	3430.36	59.00	59.01	0.01	NA	NA	NA	3371.36	
MW-4	05/16/12	3430.36	59.05	59.06	0.01	NA	NA	NA	3371.31	
MW-4	05/24/12	3430.36	59.02	59.03	0.01	NA	NA	NA	3371.34	
MW-4	05/29/12	3430.36	58.96	58.97	0.01	NA	NA	NA	3371.40	
MW-4	06/06/12	3430.36	58.72	58.75	0.03	NA	NA	NA	3371.64	
MW-4	06/13/12	3430.36	58.96	58.97	0.01	NA	NA	NA	3371.40	
MW-4	06/19/12	3430.36	58.98	59.09	0.11	NA	NA	NA	3371.36	
MW-4	06/27/12	3430.36	59.03	59.04	0.01	NA	NA	NA	3371.33	
MW-4	07/05/12	3430.36	59.08	59.09	0.01	NA	NA	NA	3371.28	
MW-4	07/11/12	3430.36	59.09	59.16	0.07	NA	NA	NA	3371.26	
MW-4	07/18/12	3430.36	59.11	59.19	0.08	NA	NA	NA	3371.24	
MW-4	07/25/12	3430.36	59.11	59.27	0.16	NA	sheen	10.00	3371.23	
MW-4	07/31/12	3430.36	59.15	59.20	0.05	NA	sheen	10.00	3371.20	
MW-4	08/08/12	3430.36	58.18	58.19	0.01	NA	NA	NA	3372.18	
MW-4	08/13/12	3430.36	50.20	50.37	0.17	NA	sheen	10.00	3380.13	
MW-4	08/13/12	3430.36	ND	63.43	ND	NA	NA	NA	3366.93	
MW-4	08/20/12	3430.36	58.18	58.20	0.02	NA	NA	NA	3372.18	
MW-4	09/05/12	3430.36	58.21	58.22	0.01	NA	NA	NA	3372.15	
MW-4	09/12/12	3430.36	ND	59.20	ND	NA	NA	NA	3371.16	
MW-4	10/02/12	3430.36	59.23	59.26	0.03	NA	NA	NA	3371.13	
MW-4	10/10/12	3430.36	59.22	59.23	0.01	NA	NA	NA	3371.14	
MW-4	10/16/12	3430.36	59.21	59.31	0.10	NA	NA	NA	3371.14	
MW-4	10/24/12	3430.36	59.21	59.22	0.01	NA	NA	NA	3371.15	
MW-4	10/30/12	3430.36	59.21	59.22	0.01	NA	NA	NA	3371.15	
MW-4	11/06/12	3430.36	59.24	59.25	0.01	NA	NA	NA	3371.12	
MW-4	11/13/12	3430.36	59.23	59.24	0.01	NA	NA	NA	3371.13	
MW-4	11/19/12	3430.36	ND	59.15	ND	NA	NA	NA	3371.21	
MW-4	12/05/12	3430.36	59.23	59.25	0.02	NA	NA	NA	3371.13	
MW-4	12/11/12	3430.36	59.27	59.28	0.01	NA	NA	NA	3371.09	
MW-4	01/03/13	3430.36	59.29	59.30	0.01	NA	NA	NA	3371.07	
MW-4	01/16/13	3430.36	59.28	59.29	0.01	NA	NA	NA	3371.08	
MW-4	01/23/13	3430.36	59.27	59.28	0.01	NA	NA	NA	3371.09	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-4	01/30/13	3430.36	59.28	59.29	0.01	NA	NA	NA	3371.08	
MW-4	02/07/13	3430.36	59.30	59.31	0.01	NA	NA	NA	3371.06	
MW-4	02/13/13	3430.36	59.27	59.28	0.01	NA	0.10	10.00	3371.09	
MW-4	02/13/13	3430.36	ND	63.95	ND	NA	NA	NA	3366.41	
MW-4	02/28/13	3430.36	59.28	59.28	0.00	NA	NA	NA	3371.08	
MW-4	03/05/13	3430.36	59.31	59.32	0.01	NA	NA	NA	3371.05	
MW-4	03/15/13	3430.36	59.33	59.34	0.01	NA	NA	NA	3371.03	
MW-4	03/21/13	3430.36	59.24	59.25	0.01	NA	NA	NA	3371.12	
MW-4	03/29/13	3430.36	59.29	59.30	0.01	NA	NA	NA	3371.07	
MW-4	04/09/13	3430.36	59.05	59.06	0.01	NA	NA	NA	3371.31	
MW-4	04/20/13	3430.36	59.11	59.12	0.01	NA	NA	NA	3371.25	
MW-4	04/23/13	3430.36	NG	NG	NG	NA	NA	NA	NG	
MW-4	05/01/13	3430.36	59.30	59.31	0.01	NA	NA	NA	3371.06	
MW-4	05/15/13	3430.36	59.30	59.31	0.01	NA	NA	NA	3371.06	
MW-4	05/21/13	3430.36	59.30	59.33	0.03	NA	NA	NA	3371.06	
MW-4	06/04/13	3430.36	59.36	59.37	0.01	NA	NA	NA	3371.00	
MW-4	06/13/13	3430.36	59.40	59.49	0.09	NA	0.50	19.50	3370.95	
MW-4	06/17/13	3430.36	59.40	59.43	0.03	NA	0.10	10.00	3370.96	
MW-4	06/26/13	3430.36	59.38	59.41	0.03	NA	NA	NA	3370.98	
MW-4	07/03/13	3430.36	59.40	59.42	0.02	NA	NA	NA	3370.96	
MW-4	07/10/13	3430.36	59.43	59.44	0.01	NA	NA	NA	3370.93	
MW-4	08/07/13	3430.36	59.29	59.30	0.01	NA	NA	NA	3371.07	
MW-4	08/14/13	3430.36	59.48	59.50	0.02	NA	NA	NA	3370.88	
MW-4	08/21/13	3430.36	59.50	59.52	0.02	NA	NA	NA	3370.86	
MW-4	08/28/13	3430.36	59.51	59.52	0.01	NA	NA	NA	3370.85	
MW-4	09/06/13	3430.36	59.46	59.47	0.01	NA	NA	NA	3370.90	
MW-4	09/11/13	3430.36	59.57	59.58	0.01	NA	NA	NA	3370.79	
MW-4	09/21/13	3430.36	59.58	59.59	0.01	NA	NA	NA	3370.78	
MW-4	09/28/13	3430.36	59.60	59.61	0.01	NA	NA	NA	3370.76	
MW-4	10/02/13	3430.36	59.57	59.58	0.01	NA	NA	NA	3370.79	
MW-4	10/11/13	3430.36	59.57	59.58	0.01	NA	NA	NA	3370.79	
MW-4	10/16/13	3430.36	59.53	59.54	0.01	NA	NA	NA	3370.83	
MW-4	10/30/13	3430.36	59.58	59.59	0.01	NA	NA	NA	3370.78	
MW-4	11/13/13	3430.36	59.55	59.56	0.01	NA	NA	NA	3370.81	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-4	11/20/13	3430.36	59.45	59.46	0.01	NA	NA	NA	3370.91	
MW-4	11/27/13	3430.36	59.45	59.46	0.01	NA	NA	NA	3370.91	
MW-4	12/13/13	3430.36	59.51	59.53	0.02	NA	NA	NA	3370.85	
MW-4	12/17/13	3430.36	59.52	59.53	0.01	NA	NA	NA	3370.84	
MW-5	02/21/07	3428.93	ND	56.47	ND	NA	NA	NA	3372.46	
MW-5	03/01/07	3428.93	ND	56.44	ND	NA	NA	NA	3372.49	Sampled
MW-5	04/03/07	3428.93	ND	56.51	ND	NA	NA	NA	3372.42	
MW-5	05/03/07	3428.93	ND	56.42	ND	NA	NA	NA	3372.51	
MW-5	05/31/07	3428.93	ND	56.45	ND	NA	NA	NA	3372.48	Sampled
MW-5	06/06/07	3428.93	ND	56.41	ND	NA	NA	NA	3372.52	
MW-5	07/05/07	3428.93	ND	56.40	ND	NA	NA	NA	3372.53	
MW-5	07/31/07	3428.93	ND	56.45	ND	NA	NA	NA	3372.48	
MW-5	09/06/07	3428.93	ND	56.45	ND	NA	NA	NA	3372.48	Sampled
MW-5	10/04/07	3428.93	ND	56.50	ND	NA	NA	NA	3372.43	
MW-5	11/13/07	3428.93	ND	56.49	ND	NA	NA	NA	3372.44	Sampled
MW-5	12/05/07	3428.93	ND	56.56	ND	NA	NA	NA	3372.37	
MW-5	01/09/08	3428.93	ND	56.44	ND	NA	NA	NA	3372.49	
MW-5	02/06/08	3428.93	ND	56.46	ND	NA	NA	NA	3372.47	
MW-5	02/26/08	3428.93	ND	56.50	ND	NA	NA	NA	3372.43	Sampled
MW-5	04/02/08	3428.93	ND	56.45	ND	NA	NA	NA	3372.48	
MW-5	05/29/08	3428.93	ND	56.45	ND	NA	NA	NA	3372.48	Sampled
MW-5	06/26/08	3428.93	ND	58.19	ND	NA	NA	NA	3370.74	
MW-5	07/07/08	3428.93	ND	56.54	ND	NA	NA	NA	3372.39	
MW-5	08/18/08	3428.93	ND	56.58	ND	NA	NA	NA	3372.35	Sampled
MW-5	10/15/08	3428.93	ND	56.64	ND	NA	NA	NA	3372.29	
MW-5	11/20/08	3428.93	ND	56.63	ND	NA	NA	NA	3372.30	Sampled
MW-5	12/21/08	3428.93	ND	56.66	ND	NA	NA	NA	3372.27	
MW-5	01/07/09	3428.93	ND	56.53	ND	NA	NA	NA	3372.40	
MW-5	02/04/09	3428.93	ND	56.61	ND	NA	NA	NA	3372.32	
MW-5	02/18/09	3428.93	ND	56.58	ND	NA	NA	NA	3372.35	Sampled
MW-5	03/04/09	3428.93	ND	56.57	ND	NA	NA	NA	3372.36	
MW-5	04/08/09	3428.93	ND	56.49	ND	NA	NA	NA	3372.44	
MW-5	05/06/09	3428.93	ND	56.50	ND	NA	NA	NA	3372.43	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
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 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-5	05/20/09	3428.93	ND	56.55	ND	NA	NA	NA	3372.38	Sampled
MW-5	06/03/09	3428.93	ND	56.59	ND	NA	NA	NA	3372.34	
MW-5	07/15/09	3428.93	ND	56.82	ND	NA	NA	NA	3372.11	
MW-5	08/05/09	3428.93	ND	56.75	ND	NA	NA	NA	3372.18	
MW-5	08/27/09	3428.93	ND	56.76	ND	NA	NA	NA	3372.17	Sampled
MW-5	09/02/09	3428.93	ND	56.68	ND	NA	NA	NA	3372.25	
MW-5	10/07/09	3428.93	ND	56.89	ND	NA	NA	NA	3372.04	
MW-5	11/04/09	3428.93	ND	56.79	ND	NA	NA	NA	3372.14	
MW-5	11/17/09	3428.93	ND	56.78	ND	NA	NA	NA	3372.15	Sampled
MW-5	12/02/09	3428.93	ND	56.82	ND	NA	NA	NA	3372.11	
MW-5	01/06/10	3428.93	ND	56.74	ND	NA	NA	NA	3372.19	
MW-5	02/11/10	3428.93	ND	56.78	ND	NA	NA	NA	3372.15	Sampled
MW-5	03/10/10	3428.93	ND	56.75	ND	NA	NA	NA	3372.18	
MW-5	04/07/10	3428.93	ND	56.79	ND	NA	NA	NA	3372.14	
MW-5	05/05/10	3428.93	ND	56.78	ND	NA	NA	NA	3372.15	
MW-5	05/12/10	3428.93	ND	56.76	ND	NA	NA	NA	3372.17	Sampled
MW-5	06/02/10	3428.93	ND	56.80	ND	NA	NA	NA	3372.13	
MW-5	07/07/10	3428.93	ND	56.89	ND	NA	NA	NA	3372.04	
MW-5	08/03/10	3428.93	ND	56.83	ND	NA	NA	NA	3372.10	
MW-5	08/26/10	3428.93	ND	56.82	ND	NA	NA	NA	3372.11	Sampled
MW-5	09/01/10	3428.93	ND	56.81	ND	NA	NA	NA	3372.12	
MW-5	10/13/10	3428.93	ND	56.86	ND	NA	NA	NA	3372.07	
MW-5	11/18/10	3428.93	ND	57.05	ND	NA	NA	NA	3371.88	Sampled
MW-5	11/23/10	3428.93	ND	56.83	ND	NA	NA	NA	3372.10	
MW-5	12/08/10	3428.93	ND	56.85	ND	NA	NA	NA	3372.08	
MW-5	01/12/11	3428.93	ND	56.92	ND	NA	NA	NA	3372.01	
MW-5	02/08/11	3428.93	ND	56.82	ND	NA	NA	NA	3372.11	
MW-5	02/24/11	3428.93	ND	56.90	ND	NA	NA	NA	3372.03	Sampled
MW-5	03/08/11	3428.93	ND	56.88	ND	NA	NA	NA	3372.05	
MW-5	04/13/11	3428.93	ND	56.94	ND	NA	NA	NA	3371.99	
MW-5	06/02/11	3428.93	ND	57.10	ND	NA	NA	NA	3371.83	
MW-5	06/03/11	3428.93	ND	57.15	ND	NA	NA	NA	3371.78	Sampled
MW-5	07/27/11	3428.93	ND	57.20	ND	NA	NA	NA	3371.73	
MW-5	08/29/11	3428.93	ND	57.27	ND	NA	NA	NA	3371.66	Sampled

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
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 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-5	09/14/11	3428.93	ND	57.38	ND	NA	NA	NA	3371.55	
MW-5	10/12/11	3428.93	ND	57.40	ND	NA	NA	NA	3371.53	
MW-5	11/29/11	3428.93	ND	57.44	ND	NA	NA	NA	3371.49	Sampled
MW-5	12/27/11	3428.93	ND	57.40	ND	NA	NA	NA	3371.53	
MW-5	01/18/12	3428.93	ND	57.42	ND	NA	NA	NA	3371.51	
MW-5	02/02/12	3428.93	ND	57.37	ND	NA	NA	NA	3371.56	
MW-5	02/23/12	3428.93	ND	57.36	ND	NA	NA	NA	3371.57	
MW-5	04/20/12	3428.93	ND	57.48	ND	NA	NA	NA	3371.45	
MW-5	05/24/12	3428.93	ND	57.48	ND	NA	NA	NA	3371.45	
MW-5	07/18/12	3428.93	ND	57.66	ND	NA	NA	NA	3371.27	
MW-5	09/12/12	3428.93	ND	57.77	ND	NA	NA	NA	3371.16	
MW-5	10/16/12	3428.93	ND	57.77	ND	NA	NA	NA	3371.16	
MW-5	11/19/12	3428.93	ND	57.85	ND	NA	NA	NA	3371.08	
MW-5	12/11/12	3428.93	ND	57.82	ND	NA	NA	NA	3371.11	
MW-5	02/28/13	3428.93	ND	57.84	ND	NA	NA	NA	3371.09	Sampled
MW-5	06/13/13	3428.93	ND	57.95	ND	NA	NA	NA	3370.98	Sampled
MW-5	08/14/13	3428.93	ND	58.05	ND	NA	NA	NA	3370.88	
MW-5	09/11/13	3428.93	ND	58.15	ND	NA	NA	NA	3370.78	
MW-5	12/13/13	3428.93	ND	58.05	ND	NA	NA	NA	3370.88	
MW-6	02/21/07	3429.24	ND	56.58	ND	NA	NA	NA	3372.66	
MW-6	03/01/07	3429.24	ND	56.56	ND	NA	NA	NA	3372.68	Sampled
MW-6	04/03/07	3429.24	ND	56.64	ND	NA	NA	NA	3372.60	
MW-6	05/03/07	3429.24	ND	56.52	ND	NA	NA	NA	3372.72	
MW-6	05/31/07	3429.24	ND	56.55	ND	NA	NA	NA	3372.69	Sampled
MW-6	06/06/07	3429.24	ND	56.50	ND	NA	NA	NA	3372.74	
MW-6	07/05/07	3429.24	ND	56.50	ND	NA	NA	NA	3372.74	
MW-6	07/31/07	3429.24	ND	56.52	ND	NA	NA	NA	3372.72	
MW-6	09/06/07	3429.24	ND	56.55	ND	NA	NA	NA	3372.69	Sampled
MW-6	10/04/07	3429.24	ND	56.58	ND	NA	NA	NA	3372.66	
MW-6	11/13/07	3429.24	ND	56.53	ND	NA	NA	NA	3372.71	Sampled
MW-6	12/05/07	3429.24	ND	56.57	ND	NA	NA	NA	3372.67	
MW-6	01/09/08	3429.24	ND	56.54	ND	NA	NA	NA	3372.70	
MW-6	02/06/08	3429.24	ND	56.59	ND	NA	NA	NA	3372.65	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-6	02/26/08	3429.24	ND	56.59	ND	NA	NA	NA	3372.65	Sampled
MW-6	04/02/08	3429.24	ND	56.54	ND	NA	NA	NA	3372.70	
MW-6	05/29/08	3429.24	ND	56.54	ND	NA	NA	NA	3372.70	Sampled
MW-6	06/26/08	3429.24	ND	56.67	ND	NA	NA	NA	3372.57	
MW-6	07/07/08	3429.24	ND	56.63	ND	NA	NA	NA	3372.61	
MW-6	08/18/08	3429.24	ND	56.71	ND	NA	NA	NA	3372.53	Sampled
MW-6	10/15/08	3429.24	ND	56.76	ND	NA	NA	NA	3372.48	
MW-6	11/20/08	3429.24	ND	56.78	ND	NA	NA	NA	3372.46	Sampled
MW-6	12/21/08	3429.24	ND	56.77	ND	NA	NA	NA	3372.47	
MW-6	01/07/09	3429.24	ND	56.67	ND	NA	NA	NA	3372.57	
MW-6	02/04/09	3429.24	ND	56.73	ND	NA	NA	NA	3372.51	
MW-6	02/18/09	3429.24	ND	56.71	ND	NA	NA	NA	3372.53	Sampled
MW-6	03/04/09	3429.24	ND	56.69	ND	NA	NA	NA	3372.55	
MW-6	04/08/09	3429.24	ND	56.59	ND	NA	NA	NA	3372.65	
MW-6	05/06/09	3429.24	ND	56.59	ND	NA	NA	NA	3372.65	
MW-6	05/20/09	3429.24	ND	56.63	ND	NA	NA	NA	3372.61	Sampled
MW-6	06/03/09	3429.24	ND	56.68	ND	NA	NA	NA	3372.56	
MW-6	07/15/09	3429.24	ND	56.87	ND	NA	NA	NA	3372.37	
MW-6	08/05/09	3429.24	ND	56.84	ND	NA	NA	NA	3372.40	
MW-6	08/27/09	3429.24	ND	56.89	ND	NA	NA	NA	3372.35	Sampled
MW-6	09/02/09	3429.24	ND	56.90	ND	NA	NA	NA	3372.34	
MW-6	10/07/09	3429.24	ND	56.89	ND	NA	NA	NA	3372.35	
MW-6	11/04/09	3429.24	ND	56.92	ND	NA	NA	NA	3372.32	
MW-6	11/17/09	3429.24	ND	56.87	ND	NA	NA	NA	3372.37	Sampled
MW-6	12/02/09	3429.24	ND	56.92	ND	NA	NA	NA	3372.32	
MW-6	01/06/10	3429.24	ND	56.84	ND	NA	NA	NA	3372.40	
MW-6	02/11/10	3429.24	ND	56.88	ND	NA	NA	NA	3372.36	Sampled
MW-6	03/10/10	3429.24	ND	56.88	ND	NA	NA	NA	3372.36	
MW-6	04/07/10	3429.24	ND	56.97	ND	NA	NA	NA	3372.27	
MW-6	05/05/10	3429.24	ND	56.91	ND	NA	NA	NA	3372.33	
MW-6	05/12/10	3429.24	ND	56.89	ND	NA	NA	NA	3372.35	Sampled
MW-6	06/02/10	3429.24	ND	56.91	ND	NA	NA	NA	3372.33	
MW-6	07/07/10	3429.24	ND	57.00	ND	NA	NA	NA	3372.24	
MW-6	08/03/10	3429.24	ND	56.98	ND	NA	NA	NA	3372.26	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-6	08/26/10	3429.24	ND	56.95	ND	NA	NA	NA	3372.29	Sampled
MW-6	09/01/10	3429.24	ND	56.95	ND	NA	NA	NA	3372.29	
MW-6	10/13/10	3429.24	ND	56.99	ND	NA	NA	NA	3372.25	
MW-6	11/18/10	3429.24	ND	57.05	ND	NA	NA	NA	3372.19	Sampled
MW-6	11/23/10	3429.24	ND	56.97	ND	NA	NA	NA	3372.27	
MW-6	12/08/10	3429.24	ND	56.98	ND	NA	NA	NA	3372.26	
MW-6	01/12/11	3429.24	ND	57.05	ND	NA	NA	NA	3372.19	
MW-6	02/08/11	3429.24	ND	56.95	ND	NA	NA	NA	3372.29	
MW-6	02/24/11	3429.24	ND	57.05	ND	NA	NA	NA	3372.19	Sampled
MW-6	03/08/11	3429.24	ND	57.02	ND	NA	NA	NA	3372.22	
MW-6	04/13/11	3429.24	ND	57.05	ND	NA	NA	NA	3372.19	
MW-6	06/03/11	3429.24	ND	57.19	ND	NA	NA	NA	3372.05	Sampled
MW-6	07/27/11	3429.24	ND	57.35	ND	NA	NA	NA	3371.89	
MW-6	08/29/11	3429.24	ND	57.44	ND	NA	NA	NA	3371.80	Sampled
MW-6	09/14/11	3429.24	ND	57.54	ND	NA	NA	NA	3371.70	
MW-6	10/12/11	3429.24	ND	57.54	ND	NA	NA	NA	3371.70	
MW-6	11/29/11	3429.24	ND	57.56	ND	NA	NA	NA	3371.68	Sampled
MW-6	12/27/11	3429.24	ND	57.54	ND	NA	NA	NA	3371.70	
MW-6	01/18/12	3429.24	ND	57.56	ND	NA	NA	NA	3371.68	
MW-6	02/02/12	3429.24	ND	57.51	ND	NA	NA	NA	3371.73	
MW-6	02/23/12	3429.24	ND	57.51	ND	NA	NA	NA	3371.73	
MW-6	04/20/12	3429.24	ND	57.63	ND	NA	NA	NA	3371.61	
MW-6	05/24/12	3429.24	ND	57.60	ND	NA	NA	NA	3371.64	
MW-6	07/18/12	3429.24	ND	57.81	ND	NA	NA	NA	3371.43	
MW-6	09/12/12	3429.24	ND	57.88	ND	NA	NA	NA	3371.36	
MW-6	10/16/12	3429.24	ND	57.89	ND	NA	NA	NA	3371.35	
MW-6	11/19/12	3429.24	ND	57.95	ND	NA	NA	NA	3371.29	
MW-6	12/11/12	3429.24	ND	57.97	ND	NA	NA	NA	3371.27	
MW-6	02/28/13	3429.24	ND	57.99	ND	NA	NA	NA	3371.25	
MW-6	06/13/13	3429.24	ND	58.10	ND	NA	NA	NA	3371.14	
MW-6	08/14/13	3429.24	ND	58.20	ND	NA	NA	NA	3371.04	
MW-6	09/11/13	3429.24	ND	58.27	ND	NA	NA	NA	3370.97	
MW-6	12/13/13	3429.24	ND	58.20	ND	NA	NA	NA	3371.04	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-7	02/21/07	3429.8	ND	57.65	ND	NA	NA	NA	3372.15	
MW-7	03/01/07	3429.8	ND	57.63	ND	NA	NA	NA	3372.17	Sampled
MW-7	04/03/07	3429.8	ND	57.68	ND	NA	NA	NA	3372.12	
MW-7	05/03/07	3429.8	ND	57.60	ND	NA	NA	NA	3372.20	
MW-7	05/31/07	3429.8	ND	57.60	ND	NA	NA	NA	3372.20	Sampled
MW-7	06/06/07	3429.8	ND	57.60	ND	NA	NA	NA	3372.20	
MW-7	07/05/07	3429.8	ND	57.55	ND	NA	NA	NA	3372.25	
MW-7	07/31/07	3429.8	ND	57.58	ND	NA	NA	NA	3372.22	
MW-7	09/06/07	3429.8	ND	57.65	ND	NA	NA	NA	3372.15	Sampled
MW-7	10/04/07	3429.8	ND	57.67	ND	NA	NA	NA	3372.13	
MW-7	11/13/07	3429.8	ND	57.65	ND	NA	NA	NA	3372.15	Sampled
MW-7	12/05/07	3429.8	ND	57.67	ND	NA	NA	NA	3372.13	
MW-7	01/09/08	3429.8	ND	57.62	ND	NA	NA	NA	3372.18	
MW-7	02/06/08	3429.8	ND	57.67	ND	NA	NA	NA	3372.13	
MW-7	02/26/08	3429.8	ND	57.63	ND	NA	NA	NA	3372.17	Sampled
MW-7	04/02/08	3429.8	ND	57.61	ND	NA	NA	NA	3372.19	
MW-7	05/29/08	3429.8	ND	57.64	ND	NA	NA	NA	3372.16	Sampled
MW-7	06/26/08	3429.8	ND	57.20	ND	NA	NA	NA	3372.60	
MW-7	07/07/08	3429.8	ND	57.73	ND	NA	NA	NA	3372.07	
MW-7	08/18/08	3429.8	ND	57.77	ND	NA	NA	NA	3372.03	Sampled
MW-7	10/15/08	3429.8	ND	57.83	ND	NA	NA	NA	3371.97	
MW-7	11/20/08	3429.8	ND	57.88	ND	NA	NA	NA	3371.92	Sampled
MW-7	12/21/08	3429.8	ND	57.82	ND	NA	NA	NA	3371.98	
MW-7	02/04/09	3429.8	ND	57.77	ND	NA	NA	NA	3372.03	
MW-7	02/18/09	3429.8	ND	57.75	ND	NA	NA	NA	3372.05	Sampled
MW-7	03/04/09	3429.8	ND	57.78	ND	NA	NA	NA	3372.02	
MW-7	04/08/09	3429.8	ND	57.67	ND	NA	NA	NA	3372.13	
MW-7	05/06/09	3429.8	ND	57.70	ND	NA	NA	NA	3372.10	
MW-7	05/20/09	3429.8	ND	57.73	ND	NA	NA	NA	3372.07	Sampled
MW-7	06/03/09	3429.8	ND	57.75	ND	NA	NA	NA	3372.05	
MW-7	07/15/09	3429.8	ND	57.95	ND	NA	NA	NA	3371.85	
MW-7	08/05/09	3429.8	ND	57.91	ND	NA	NA	NA	3371.89	
MW-7	08/27/09	3429.8	ND	57.96	ND	NA	NA	NA	3371.84	Sampled
MW-7	09/02/09	3429.8	ND	57.94	ND	NA	NA	NA	3371.86	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-7	10/07/09	3429.8	ND	57.96	ND	NA	NA	NA	3371.84	
MW-7	11/04/09	3429.8	ND	57.98	ND	NA	NA	NA	3371.82	
MW-7	11/17/09	3429.8	ND	57.96	ND	NA	NA	NA	3371.84	Sampled
MW-7	12/02/09	3429.8	ND	57.97	ND	NA	NA	NA	3371.83	
MW-7	01/06/10	3429.8	ND	57.94	ND	NA	NA	NA	3371.86	
MW-7	02/11/10	3429.8	ND	57.95	ND	NA	NA	NA	3371.85	Sampled
MW-7	03/10/10	3429.8	ND	57.90	ND	NA	NA	NA	3371.90	
MW-7	04/07/10	3429.8	ND	57.95	ND	NA	NA	NA	3371.85	
MW-7	05/05/10	3429.8	ND	57.95	ND	NA	NA	NA	3371.85	
MW-7	05/12/10	3429.8	ND	57.93	ND	NA	NA	NA	3371.87	Sampled
MW-7	06/02/10	3429.8	ND	57.96	ND	NA	NA	NA	3371.84	
MW-7	07/07/10	3429.8	ND	58.05	ND	NA	NA	NA	3371.75	
MW-7	08/03/10	3429.8	ND	57.99	ND	NA	NA	NA	3371.81	
MW-7	08/26/10	3429.8	ND	57.96	ND	NA	NA	NA	3371.84	Sampled
MW-7	09/01/10	3429.8	ND	57.96	ND	NA	NA	NA	3371.84	
MW-7	10/13/10	3429.8	ND	58.00	ND	NA	NA	NA	3371.80	
MW-7	11/18/10	3429.8	ND	58.05	ND	NA	NA	NA	3371.75	Sampled
MW-7	11/23/10	3429.8	ND	58.01	ND	NA	NA	NA	3371.79	
MW-7	12/08/10	3429.8	ND	58.01	ND	NA	NA	NA	3371.79	
MW-7	01/12/11	3429.8	ND	58.06	ND	NA	NA	NA	3371.74	
MW-7	02/08/11	3429.8	ND	57.99	ND	NA	NA	NA	3371.81	
MW-7	02/24/11	3429.8	ND	58.05	ND	NA	NA	NA	3371.75	Sampled
MW-7	03/08/11	3429.8	ND	58.02	ND	NA	NA	NA	3371.78	
MW-7	04/13/11	3429.8	ND	58.09	ND	NA	NA	NA	3371.71	
MW-7	06/03/11	3429.8	ND	58.20	ND	NA	NA	NA	3371.60	Sampled
MW-7	07/27/11	3429.8	ND	58.35	ND	NA	NA	NA	3371.45	
MW-7	08/29/11	3429.8	ND	58.44	ND	NA	NA	NA	3371.36	Sampled
MW-7	09/14/11	3429.8	ND	58.55	ND	NA	NA	NA	3371.25	
MW-7	10/12/11	3429.8	ND	58.58	ND	NA	NA	NA	3371.22	
MW-7	11/29/11	3429.8	ND	58.61	ND	NA	NA	NA	3371.19	Sampled
MW-7	12/27/11	3429.8	ND	58.58	ND	NA	NA	NA	3371.22	
MW-7	02/02/12	3429.8	ND	58.54	ND	NA	NA	NA	3371.26	
MW-7	02/23/12	3429.8	ND	58.57	ND	NA	NA	NA	3371.23	
MW-7	04/20/12	3429.8	ND	58.63	ND	NA	NA	NA	3371.17	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-7	05/24/12	3429.8	ND	58.62	ND	NA	NA	NA	3371.18	
MW-7	07/18/12	3429.8	ND	58.85	ND	NA	NA	NA	3370.95	
MW-7	09/12/12	3429.8	ND	58.93	ND	NA	NA	NA	3370.87	
MW-7	10/16/12	3429.8	ND	58.94	ND	NA	NA	NA	3370.86	
MW-7	11/19/12	3429.8	ND	59.00	ND	NA	NA	NA	3370.80	
MW-7	12/11/12	3429.8	ND	59.00	ND	NA	NA	NA	3370.80	
MW-7	02/28/13	3429.8	ND	59.01	ND	NA	NA	NA	3370.79	
MW-7	06/13/13	3429.8	ND	59.11	ND	NA	NA	NA	3370.69	
MW-7	08/14/13	3429.8	ND	59.23	ND	NA	NA	NA	3370.57	
MW-7	09/11/13	3429.8	ND	59.31	ND	NA	NA	NA	3370.49	
MW-7	12/13/13	3429.8	ND	59.23	ND	NA	NA	NA	3370.57	
MW-8	02/21/07	3430.21	57.89	57.95	0.06	NA	NA	NA	3372.31	
MW-8	03/07/07	3430.21	57.83	57.89	0.06	NA	NA	NA	3372.37	Installed Sock
MW-8	03/14/07	3430.21	ND	57.89	ND	NA	NA	NA	3372.32	Flipped Sock
MW-8	03/21/07	3430.21	ND	57.87	ND	NA	NA	NA	3372.34	Sock
MW-8	03/28/07	3430.21	ND	57.88	ND	NA	NA	NA	3372.33	Sock
MW-8	04/03/07	3430.21	ND	57.89	ND	NA	NA	NA	3372.32	Sock
MW-8	04/10/07	3430.21	ND	57.95	ND	NA	NA	NA	3372.26	Sock
MW-8	04/18/07	3430.21	ND	57.88	ND	NA	NA	NA	3372.33	Sock
MW-8	04/24/07	3430.21	ND	57.88	ND	NA	NA	NA	3372.33	Sock
MW-8	05/03/07	3430.21	ND	57.91	ND	NA	NA	NA	3372.30	New Sock
MW-8	05/11/07	3430.21	ND	57.87	ND	NA	NA	NA	3372.34	Sock
MW-8	05/16/07	3430.21	ND	57.89	ND	NA	NA	NA	3372.32	Sock
MW-8	05/23/07	3430.21	ND	57.84	ND	NA	NA	NA	3372.37	Sock
MW-8	05/31/07	3430.21	ND	57.86	ND	NA	NA	NA	3372.35	Sock
MW-8	06/06/07	3430.21	ND	57.80	ND	NA	NA	NA	3372.41	Sock
MW-8	06/13/07	3430.21	ND	57.84	ND	NA	NA	NA	3372.37	Flipped Sock
MW-8	06/19/07	3430.21	ND	57.82	ND	NA	NA	NA	3372.39	Sock
MW-8	06/27/07	3430.21	ND	57.91	ND	NA	NA	NA	3372.30	Sock
MW-8	07/05/07	3430.21	ND	57.82	ND	NA	NA	NA	3372.39	Sock
MW-8	07/11/07	3430.21	ND	57.83	ND	NA	NA	NA	3372.38	Sock
MW-8	07/19/07	3430.21	ND	57.83	ND	NA	NA	NA	3372.38	New Sock
MW-8	07/24/07	3430.21	ND	57.85	ND	NA	NA	NA	3372.36	Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-8	07/31/07	3430.21	ND	57.88	ND	NA	NA	NA	3372.33	Sock
MW-8	08/09/07	3430.21	ND	57.90	ND	NA	NA	NA	3372.31	Flipped Sock
MW-8	08/16/07	3430.21	57.83	57.90	0.07	NA	NA	NA	3372.37	Sock
MW-8	08/22/07	3430.21	ND	57.73	ND	NA	NA	NA	3372.48	Sock
MW-8	08/28/07	3430.21	ND	57.94	ND	NA	NA	NA	3372.27	New Sock
MW-8	09/06/07	3430.21	ND	57.76	ND	NA	NA	NA	3372.45	Sock
MW-8	09/13/07	3430.21	ND	57.90	ND	NA	NA	NA	3372.31	Sock
MW-8	09/18/07	3430.21	ND	57.06	ND	NA	NA	NA	3373.15	Sock
MW-8	09/26/07	3430.21	ND	57.90	ND	NA	NA	NA	3372.31	Sock
MW-8	10/04/07	3430.21	ND	57.92	ND	NA	NA	NA	3372.29	Flipped Sock
MW-8	10/10/07	3430.21	ND	57.91	ND	NA	NA	NA	3372.30	Sock
MW-8	10/17/07	3430.21	ND	57.94	ND	NA	NA	NA	3372.27	Sock
MW-8	10/24/07	3430.21	ND	57.90	ND	NA	NA	NA	3372.31	Sock
MW-8	10/31/07	3430.21	ND	57.90	ND	NA	NA	NA	3372.31	Sock
MW-8	11/07/07	3430.21	ND	57.97	ND	NA	NA	NA	3372.24	Sock
MW-8	11/13/07	3430.21	ND	57.87	ND	NA	NA	NA	3372.34	Sock
MW-8	11/20/07	3430.21	ND	57.89	ND	NA	NA	NA	3372.32	Sock
MW-8	11/27/07	3430.21	ND	57.85	ND	NA	NA	NA	3372.36	Sock
MW-8	12/05/07	3430.21	ND	57.91	ND	NA	NA	NA	3372.30	Sock
MW-8	12/12/07	3430.21	ND	57.88	ND	NA	NA	NA	3372.33	Sock
MW-8	12/18/07	3430.21	ND	57.90	ND	NA	NA	NA	3372.31	Sock
MW-8	12/27/07	3430.21	ND	57.85	ND	NA	NA	NA	3372.36	New Sock
MW-8	01/03/08	3430.21	ND	57.88	ND	NA	NA	NA	3372.33	Sock
MW-8	01/09/08	3430.21	ND	57.85	ND	NA	NA	NA	3372.36	Sock
MW-8	01/17/08	3430.21	ND	57.88	ND	NA	NA	NA	3372.33	Sock
MW-8	01/23/08	3430.21	ND	57.86	ND	NA	NA	NA	3372.35	Sock
MW-8	01/30/08	3430.21	ND	57.85	ND	NA	NA	NA	3372.36	Flipped Sock
MW-8	02/06/08	3430.21	ND	57.91	ND	NA	NA	NA	3372.30	Sock
MW-8	02/13/08	3430.21	ND	57.83	ND	NA	NA	NA	3372.38	Sock
MW-8	02/19/08	3430.21	ND	57.86	ND	NA	NA	NA	3372.35	Sock
MW-8	02/27/08	3430.21	ND	58.50	ND	NA	NA	NA	3371.71	Sock
MW-8	03/04/08	3430.21	ND	57.85	ND	NA	NA	NA	3372.36	New Sock
MW-8	03/12/08	3430.21	ND	57.83	ND	NA	NA	NA	3372.38	Sock
MW-8	03/19/08	3430.21	ND	57.87	ND	NA	NA	NA	3372.34	Sock

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HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
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 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-8	03/26/08	3430.21	ND	57.82	ND	NA	NA	NA	3372.39	Sock
MW-8	04/02/08	3430.21	ND	57.85	ND	NA	NA	NA	3372.36	Sock
MW-8	04/09/08	3430.21	ND	57.84	ND	NA	NA	NA	3372.37	Sock
MW-8	04/16/08	3430.21	ND	57.90	ND	NA	NA	NA	3372.31	Sock
MW-8	04/24/08	3430.21	ND	57.85	ND	NA	NA	NA	3372.36	New Sock
MW-8	04/30/08	3430.21	ND	57.83	ND	NA	NA	NA	3372.38	Sock
MW-8	05/05/08	3430.21	ND	57.87	ND	NA	NA	NA	3372.34	Sock
MW-8	05/14/08	3430.21	ND	57.89	ND	NA	NA	NA	3372.32	Sock
MW-8	05/20/08	3430.21	ND	57.92	ND	NA	NA	NA	3372.29	Sock
MW-8	05/29/08	3430.21	ND	57.91	ND	NA	NA	NA	3372.30	Sock
MW-8	06/04/08	3430.21	ND	57.94	ND	NA	NA	NA	3372.27	Sock
MW-8	06/11/08	3430.21	ND	57.99	ND	NA	NA	NA	3372.22	Sock
MW-8	06/18/08	3430.21	ND	58.03	ND	NA	NA	NA	3372.18	Sock
MW-8	06/26/08	3430.21	ND	58.10	ND	NA	NA	NA	3372.11	Sock
MW-8	07/02/08	3430.21	ND	58.11	ND	NA	NA	NA	3372.10	Sock
MW-8	07/07/08	3430.21	ND	58.02	ND	NA	NA	NA	3372.19	New Sock
MW-8	07/16/08	3430.21	ND	58.00	ND	NA	NA	NA	3372.21	Sock
MW-8	07/21/08	3430.21	ND	58.24	ND	NA	NA	NA	3371.97	Sock
MW-8	07/29/08	3430.21	ND	58.06	ND	NA	NA	NA	3372.15	Sock
MW-8	08/06/08	3430.21	ND	58.08	ND	NA	NA	NA	3372.13	Sock
MW-8	08/13/08	3430.21	ND	58.08	ND	NA	NA	NA	3372.13	New Sock
MW-8	08/18/08	3430.21	ND	58.01	ND	NA	NA	NA	3372.20	Sock
MW-8	08/27/08	3430.21	ND	58.05	ND	NA	NA	NA	3372.16	Sock
MW-8	09/02/08	3430.21	ND	58.10	ND	NA	NA	NA	3372.11	Sock
MW-8	09/09/08	3430.21	ND	58.14	ND	NA	NA	NA	3372.07	Sock
MW-8	09/17/08	3430.21	ND	58.03	ND	NA	NA	NA	3372.18	Sock
MW-8	09/24/08	3430.21	ND	58.05	ND	NA	NA	NA	3372.16	Sock
MW-8	10/01/08	3430.21	ND	58.09	ND	NA	NA	NA	3372.12	Sock
MW-8	10/15/08	3430.21	ND	58.06	ND	NA	NA	NA	3372.15	Flipped Sock
MW-8	10/22/08	3430.21	ND	58.05	ND	NA	NA	NA	3372.16	Sock
MW-8	10/29/08	3430.21	ND	58.06	ND	NA	NA	NA	3372.15	Sock
MW-8	11/05/08	3430.21	ND	58.05	ND	NA	NA	NA	3372.16	Sock
MW-8	11/20/08	3430.21	ND	57.75	ND	NA	NA	NA	3372.46	Sock
MW-8	11/26/08	3430.21	ND	58.00	ND	NA	NA	NA	3372.21	Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-8	12/03/08	3430.21	ND	58.01	ND	NA	NA	NA	3372.20	Sock
MW-8	12/10/08	3430.21	ND	58.03	ND	NA	NA	NA	3372.18	Sock
MW-8	12/17/08	3430.21	ND	58.13	ND	NA	NA	NA	3372.08	Sock
MW-8	12/21/08	3430.21	ND	58.08	ND	NA	NA	NA	3372.13	Sock
MW-8	12/31/08	3430.21	ND	58.05	ND	NA	NA	NA	3372.16	Sock
MW-8	01/02/09	3430.21	ND	58.05	ND	NA	NA	NA	3372.16	Sock
MW-8	01/07/09	3430.21	ND	57.99	ND	NA	NA	NA	3372.22	Sock
MW-8	01/15/09	3430.21	ND	58.03	ND	NA	NA	NA	3372.18	Sock
MW-8	01/22/09	3430.21	ND	57.99	ND	NA	NA	NA	3372.22	New Sock
MW-8	01/28/09	3430.21	ND	57.98	ND	NA	NA	NA	3372.23	Flipped Sock
MW-8	02/04/09	3430.21	ND	58.00	ND	NA	NA	NA	3372.21	Sock
MW-8	02/04/09	3430.21	ND	58.02	ND	NA	NA	NA	3372.19	Sock
MW-8	02/18/09	3430.21	ND	57.97	ND	NA	NA	NA	3372.24	Sock
MW-8	02/25/09	3430.21	ND	57.95	ND	NA	NA	NA	3372.26	Sock
MW-8	03/04/09	3430.21	ND	57.95	ND	NA	NA	NA	3372.26	Flipped Sock
MW-8	03/11/09	3430.21	ND	58.02	ND	NA	NA	NA	3372.19	Sock
MW-8	03/18/09	3430.21	ND	57.96	ND	Pumped	0.00	20.00	3372.25	
MW-8	03/18/09	3430.21	ND	59.29	ND	NA	NA	NA	3370.92	
MW-8	03/25/09	3430.21	ND	57.96	ND	Pumped	0.00	20.00	3372.25	
MW-8	03/25/09	3430.21	ND	59.51	ND	NA	NA	NA	3370.70	
MW-8	04/01/09	3430.21	ND	57.93	ND	Pumped	0.10	19.90	3372.28	
MW-8	04/01/09	3430.21	ND	58.81	ND	NA	NA	NA	3371.40	
MW-8	04/08/09	3430.21	ND	57.93	ND	Pumped	0.00	12.00	3372.28	
MW-8	04/08/09	3430.21	ND	58.05	ND	NA	NA	NA	3372.16	
MW-8	04/15/09	3430.21	ND	58.10	ND	Pumped	0.00	10.00	3372.11	
MW-8	04/15/09	3430.21	ND	58.13	ND	NA	NA	NA	3372.08	
MW-8	04/22/09	3430.21	ND	57.98	ND	Pumped	0.00	20.00	3372.23	
MW-8	04/22/09	3430.21	ND	58.93	ND	NA	NA	NA	3371.28	
MW-8	04/29/09	3430.21	ND	57.95	ND	Pumped	0.00	20.00	3372.26	
MW-8	04/29/09	3430.21	ND	59.48	ND	NA	NA	NA	3370.73	
MW-8	05/06/09	3430.21	ND	57.96	ND	NA	NA	NA	3372.25	
MW-8	05/14/09	3430.21	ND	58.01	ND	NA	NA	NA	3372.20	
MW-8	05/14/09	3430.21	ND	59.34	ND	Pumped	0.00	20.00	3370.87	
MW-8	05/20/09	3430.21	ND	57.91	ND	NA	NA	NA	3372.30	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-8	05/27/09	3430.21	ND	58.01	ND	Pumped	0.00	10.00	3372.20	
MW-8	05/27/09	3430.21	ND	58.99	ND	NA	NA	NA	3371.22	
MW-8	06/03/09	3430.21	ND	58.01	ND	NA	NA	NA	3372.20	
MW-8	06/11/09	3430.21	ND	58.09	ND	NA	NA	NA	3372.12	
MW-8	06/17/09	3430.21	ND	58.38	ND	NA	NA	NA	3371.83	
MW-8	06/17/09	3430.21	ND	59.30	ND	Pumped	0.00	10.00	3370.91	
MW-8	06/23/09	3430.21	ND	58.09	ND	NA	NA	NA	3372.12	
MW-8	07/01/09	3430.21	ND	58.10	ND	NA	NA	NA	3372.11	
MW-8	07/07/09	3430.21	ND	58.07	ND	NA	NA	NA	3372.14	
MW-8	07/15/09	3430.21	ND	58.14	ND		0.00	10.00	3372.07	Flipped Sock
MW-8	07/22/09	3430.21	ND	58.22	ND	NA	NA	NA	3371.99	
MW-8	07/29/09	3430.21	ND	58.16	ND	NA	NA	NA	3372.05	
MW-8	08/05/09	3430.21	ND	58.13	ND	NA	NA	NA	3372.08	New Sock
MW-8	08/12/09	3430.21	ND	58.12	ND	NA	NA	NA	3372.09	
MW-8	08/19/09	3430.21	ND	58.10	ND	NA	NA	NA	3372.11	New Sock
MW-8	08/27/09	3430.21	ND	58.18	ND	NA	NA	NA	3372.03	
MW-8	09/02/09	3430.21	ND	58.15	ND	NA	NA	NA	3372.06	
MW-8	09/09/09	3430.21	ND	58.17	ND		0.10	9.90	3372.04	New Sock
MW-8	09/09/09	3430.21	ND	59.43	ND	NA	NA	NA	3370.78	
MW-8	09/16/09	3430.21	ND	58.24	ND	NA	NA	NA	3371.97	
MW-8	09/23/09	3430.21	ND	58.24	ND	NA	0.00	10.00	3371.97	
MW-8	09/23/09	3430.21	ND	59.71	ND	NA	NA	NA	3370.50	
MW-8	09/30/09	3430.21	ND	58.21	ND	NA	0.00	10.00	3372.00	
MW-8	09/30/09	3430.21	ND	59.58	ND	NA	NA	NA	3370.63	
MW-8	10/07/09	3430.21	ND	58.24	ND	NA	NA	NA	3371.97	
MW-8	10/14/09	3430.21	ND	58.23	ND	Pumped	0.00	10.00	3371.98	
MW-8	10/14/09	3430.21	ND	59.69	ND	NA	NA	NA	3370.52	
MW-8	10/21/09	3430.21	ND	58.25	ND	NA	NA	NA	3371.96	
MW-8	10/29/09	3430.21	ND	58.26	ND	Pumped	0.10	14.90	3371.95	
MW-8	10/29/09	3430.21	ND	59.79	ND	NA	NA	NA	3370.42	
MW-8	11/04/09	3430.21	ND	58.26	ND	NA	NA	NA	3371.95	
MW-8	11/11/09	3430.21	ND	58.26	ND	Pumped	0.00	10.00	3371.95	
MW-8	11/11/09	3430.21	ND	59.54	ND	NA	NA	NA	3370.67	
MW-8	11/17/09	3430.21	58.23	58.24	0.01	Pumped	0.10	9.90	3371.98	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-8	11/17/09	3430.21	58.23	58.24	0.01	NA	NA	NA	3371.98	
MW-8	11/25/09	3430.21	58.23	58.24	0.01	NA	NA	NA	3371.98	
MW-8	11/25/09	3430.21	ND	59.26	ND		0.10	9.90	3370.95	
MW-8	12/02/09	3430.21	ND	58.25	ND	Pumped	0.00	10.00	3371.96	
MW-8	12/02/09	3430.21	ND	59.62	ND	NA	NA	NA	3370.59	
MW-8	12/09/09	3430.21	ND	58.26	ND	Pumped	0.00	10.00	3371.95	
MW-8	12/09/09	3430.21	ND	58.95	ND	NA	NA	NA	3371.26	
MW-8	12/16/09	3430.21	ND	58.27	ND	NA	NA	NA	3371.94	
MW-8	12/23/09	3430.21	ND	58.27	ND	NA	NA	NA	3371.94	
MW-8	12/30/09	3430.21	58.26	58.27	0.01	NA	NA	NA	3371.95	
MW-8	01/06/10	3430.21	ND	58.25	ND	NA	NA	NA	3371.96	
MW-8	01/13/10	3430.21	ND	58.25	ND	NA	NA	NA	3371.96	
MW-8	01/20/10	3430.21	ND	58.26	ND	Pumped	0.00	10.00	3371.95	
MW-8	01/20/10	3430.21	ND	59.67	ND	NA	NA	NA	3370.54	
MW-8	01/27/10	3430.21	ND	58.32	ND	NA	NA	NA	3371.89	
MW-8	02/11/10	3430.21	ND	58.27	ND	NA	NA	NA	3371.94	
MW-8	02/17/10	3430.21	ND	58.32	ND	NA	NA	NA	3371.89	
MW-8	03/02/10	3430.21	ND	58.18	ND	NA	NA	NA	3372.03	
MW-8	03/10/10	3430.21	ND	58.16	ND	NA	NA	NA	3372.05	
MW-8	03/17/10	3430.21	ND	58.19	ND	NA	NA	NA	3372.02	
MW-8	03/24/10	3430.21	ND	58.18	ND	NA	NA	NA	3372.03	
MW-8	03/31/10	3430.21	ND	58.15	ND	NA	NA	NA	3372.06	
MW-8	04/07/10	3430.21	ND	58.21	ND	NA	NA	NA	3372.00	
MW-8	04/14/10	3430.21	ND	58.18	ND	NA	NA	NA	3372.03	
MW-8	04/21/10	3430.21	ND	58.15	ND	NA	NA	NA	3372.06	
MW-8	04/21/10	3430.21	ND	59.46	ND	Pumped	0.00	10.00	3370.75	
MW-8	04/28/10	3430.21	ND	58.18	ND	NA	NA	NA	3372.03	
MW-8	05/05/10	3430.21	58.14	58.15	0.01	NA	NA	NA	3372.07	
MW-8	05/12/10	3430.21	58.14	58.15	0.01	Pumped	0.10	5.90	3372.07	
MW-8	05/12/10	3430.21	ND	59.63	ND	NA	NA	NA	3370.58	
MW-8	05/19/10	3430.21	ND	58.25	ND	Pumped	0.10	4.90	3371.96	
MW-8	05/19/10	3430.21	ND	59.69	ND	NA	NA	NA	3370.52	
MW-8	05/29/10	3430.21	58.26	58.27	0.01	NA	NA	NA	3371.95	
MW-8	06/02/10	3430.21	58.27	58.28	0.01	NA	NA	NA	3371.94	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-8	06/12/10	3430.21	58.32	58.33	0.01	NA	NA	NA	3371.89	
MW-8	06/15/10	3430.21	ND	58.25	ND	Pumped	0.10	9.90	3371.96	
MW-8	06/15/10	3430.21	ND	59.75	ND	NA	NA	NA	3370.46	
MW-8	06/25/10	3430.21	ND	58.34	ND	NA	NA	NA	3371.87	
MW-8	06/30/10	3430.21	ND	58.35	ND	NA	NA	NA	3371.86	
MW-8	07/07/10	3430.21	58.36	58.37	0.01	NA	NA	NA	3371.85	
MW-8	07/14/10	3430.21	58.36	58.37	0.01		0.10	9.90	3371.85	
MW-8	07/14/10	3430.21	ND	59.87	ND	NA	NA	NA	3370.34	
MW-8	07/21/10	3430.21	ND	58.32	ND	NA	NA	NA	3371.89	
MW-8	07/28/10	3430.21	58.31	58.32	0.01	NA	NA	NA	3371.90	
MW-8	08/03/10	3430.21	58.30	58.31	0.01	NA	NA	NA	3371.91	
MW-8	08/11/10	3430.21	58.27	58.28	0.01	NA	NA	NA	3371.94	
MW-8	08/18/10	3430.21	58.30	58.31	0.01	NA	NA	NA	3371.91	
MW-8	08/25/10	3430.21	58.30	58.31	0.01	Pumped	0.10	9.90	3371.91	
MW-8	08/25/10	3430.21	ND	59.95	ND	NA	NA	NA	3370.26	
MW-8	09/01/10	3430.21	58.25	58.26	0.01	NA	NA	NA	3371.96	
MW-8	09/08/10	3430.21	58.25	58.26	0.01	NA	NA	NA	3371.96	
MW-8	09/15/10	3430.21	58.24	58.25	0.01	NA	NA	NA	3371.97	
MW-8	09/21/10	3430.21	58.25	58.26	0.01	NA	NA	NA	3371.96	
MW-8	10/01/10	3430.21	58.29	58.30	0.01	Pumped	0.10	9.90	3371.92	
MW-8	10/01/10	3430.21	ND	59.60	ND	NA	NA	NA	3370.61	
MW-8	10/06/10	3430.21	58.08	58.09	0.01	NA	NA	NA	3372.13	
MW-8	10/13/10	3430.21	58.27	58.28	0.01	NA	NA	NA	3371.94	
MW-8	10/22/10	3430.21	58.27	58.28	0.01	NA	NA	NA	3371.94	
MW-8	10/27/10	3430.21	58.23	58.24	0.01	Pumped	0.10	9.90	3371.98	
MW-8	10/27/10	3430.21	ND	59.65	ND	NA	NA	NA	3370.56	
MW-8	11/03/10	3430.21	58.23	58.24	0.01	NA	NA	NA	3371.98	
MW-8	11/10/10	3430.21	ND	58.20	ND	NA	NA	NA	3372.01	
MW-8	11/16/10	3430.21	58.23	58.25	0.02	Pumped	0.10	9.90	3371.98	
MW-8	11/16/10	3430.21	ND	59.61	ND	NA	NA	NA	3370.60	
MW-8	11/23/10	3430.21	58.17	58.18	0.01	Pumped	0.10	9.90	3372.04	
MW-8	11/23/10	3430.21	ND	59.08	ND	NA	NA	NA	3371.13	
MW-8	12/01/10	3430.21	58.22	58.23	0.01	NA	NA	NA	3371.99	
MW-8	12/08/10	3430.21	ND	58.17	ND	Pumped	0.10	9.90	3372.04	

TABLE 2
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Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-8	12/08/10	3430.21	ND	59.70	ND	NA	NA	NA	3370.51	
MW-8	12/15/10	3430.21	58.14	58.15	0.01	NA	NA	NA	3372.07	
MW-8	12/21/10	3430.21	58.19	58.20	0.01	NA	NA	NA	3372.02	
MW-8	12/28/10	3430.21	NG	NG	NG	Pumped	0.10	9.90	NG	Interface
MW-8	01/08/11	3430.21	58.19	58.20	0.01	NA	NA	NA	3372.02	
MW-8	01/12/11	3430.21	58.24	58.25	0.01	NA	NA	NA	3371.97	
MW-8	01/19/11	3430.21	58.16	58.17	0.01	Pumped	0.10	9.90	3372.05	
MW-8	01/19/11	3430.21	ND	59.61	ND	NA	NA	NA	3370.60	
MW-8	01/25/11	3430.21	58.19	58.20	0.01	NA	NA	NA	3372.02	
MW-8	02/04/11	3430.21	58.20	58.21	0.01	NA	NA	NA	3372.01	
MW-8	02/08/11	3430.21	58.17	58.18	0.01	NA	NA	NA	3372.04	
MW-8	02/16/11	3430.21	58.17	58.18	0.01	NA	NA	NA	3372.04	
MW-8	02/24/11	3430.21	58.25	58.26	0.01	NA	NA	NA	3371.96	
MW-8	03/02/11	3430.21	58.20	58.21	0.01	NA	NA	NA	3372.01	
MW-8	03/08/11	3430.21	58.21	58.22	0.01	NA	NA	NA	3372.00	
MW-8	03/16/11	3430.21	58.21	58.22	0.01	NA	NA	NA	3372.00	
MW-8	03/23/11	3430.21	58.24	58.25	0.01	NA	NA	NA	3371.97	
MW-8	03/30/11	3430.21	58.19	58.20	0.01		0.10	9.90	3372.02	
MW-8	03/30/11	3430.21	ND	59.69	ND	NA	NA	NA	3370.52	
MW-8	04/08/11	3430.21	ND	58.24	ND	NA	NA	NA	3371.97	
MW-8	04/13/11	3430.21	58.23	58.24	0.01	NA	NA	NA	3371.98	
MW-8	04/20/11	3430.21	58.23	58.24	0.01	NA	NA	NA	3371.98	
MW-8	04/27/11	3430.21	58.34	58.35	0.01		0.10	9.90	3371.87	
MW-8	04/27/11	3430.21	ND	59.71	ND	NA	NA	NA	3370.50	
MW-8	05/04/11	3430.21	58.26	58.27	0.01	NA	NA	NA	3371.95	
MW-8	05/11/11	3430.21	58.31	58.32	0.01	NA	NA	NA	3371.90	
MW-8	05/19/11	3430.21	58.30	58.31	0.01	NA	NA	NA	3371.91	
MW-8	05/24/11	3430.21	58.28	58.29	0.01	NA	NA	NA	3371.93	
MW-8	06/03/11	3430.21	58.47	58.48	0.01	NA	NA	NA	3371.74	Sampled
MW-8	06/08/11	3430.21	58.45	58.46	0.01	NA	NA	NA	3371.76	
MW-8	06/17/11	3430.21	58.44	58.45	0.01	NA	NA	NA	3371.77	
MW-8	06/21/11	3430.21	58.38	58.39	0.01	NA	NA	NA	3371.83	
MW-8	06/29/11	3430.21	58.53	58.54	0.01	NA	NA	NA	3371.68	
MW-8	07/06/11	3430.21	58.59	58.60	0.01	NA	NA	NA	3371.62	

TABLE 2
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 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-8	07/13/11	3430.21	58.57	58.58	0.01	NA	NA	NA	3371.64	
MW-8	07/21/11	3430.21	58.61	58.62	0.01	NA	NA	NA	3371.60	
MW-8	07/27/11	3430.21	58.61	58.62	0.01	NA	NA	NA	3371.60	
MW-8	08/03/11	3430.21	58.66	58.67	0.01	NA	NA	NA	3371.55	
MW-8	08/11/11	3430.21	58.69	58.70	0.01	NA	NA	NA	3371.52	
MW-8	08/17/11	3430.21	58.60	58.61	0.01	NA	NA	NA	3371.61	
MW-8	08/24/11	3430.21	58.74	58.75	0.01	NA	NA	NA	3371.47	
MW-8	08/29/11	3430.21	58.74	58.75	0.01	NA	NA	NA	3371.47	
MW-8	09/07/11	3430.21	58.80	58.81	0.01	NA	NA	NA	3371.41	
MW-8	09/14/11	3430.21	58.78	58.79	0.01	NA	NA	NA	3371.43	
MW-8	09/21/11	3430.21	58.81	58.82	0.01	NA	NA	NA	3371.40	
MW-8	09/26/11	3430.21	58.79	58.80	0.01	NA	NA	NA	3371.42	
MW-8	10/05/11	3430.21	58.76	58.77	0.01	NA	NA	NA	3371.45	
MW-8	10/12/11	3430.21	58.83	58.84	0.01	NA	NA	NA	3371.38	
MW-8	10/18/11	3430.21	58.81	58.82	0.01	NA	NA	NA	3371.40	
MW-8	10/28/11	3430.21	58.84	58.85	0.01	NA	NA	NA	3371.37	
MW-8	11/02/11	3430.21	Sheen	58.89	Sheen	NA	NA	NA	3371.32	
MW-8	11/09/11	3430.21	58.89	58.90	0.01	NA	NA	NA	3371.32	
MW-8	11/18/11	3430.21	58.83	58.84	0.01	NA	NA	NA	3371.38	
MW-8	11/23/11	3430.21	58.87	58.88	0.01	NA	NA	NA	3371.34	
MW-8	11/29/11	3430.21	58.85	58.86	0.01	NA	NA	NA	3371.36	
MW-8	12/13/11	3430.21	58.82	58.83	0.01	NA	NA	NA	3371.39	
MW-8	12/20/11	3430.21	58.83	58.84	0.01	NA	NA	NA	3371.38	
MW-8	12/27/11	3430.21	58.84	58.88	0.04	NA	NA	NA	3371.36	
MW-8	01/04/12	3430.21	58.86	58.87	0.01	NA	NA	NA	3371.35	
MW-8	01/13/12	3430.21	58.85	58.86	0.01	NA	NA	NA	3371.36	
MW-8	01/18/12	3430.21	58.84	58.85	0.01	NA	NA	NA	3371.37	
MW-8	01/27/12	3430.21	58.84	58.85	0.01	NA	NA	NA	3371.37	
MW-8	02/02/12	3430.21	58.82	58.83	0.01	NA	NA	NA	3371.39	
MW-8	02/08/12	3430.21	58.87	58.88	0.01	NA	NA	NA	3371.34	
MW-8	02/15/12	3430.21	58.84	58.85	0.01	NA	NA	NA	3371.37	
MW-8	02/23/12	3430.21	58.79	58.80	0.01	NA	NA	NA	3371.42	
MW-8	02/29/12	3430.21	58.83	58.84	0.01	NA	NA	NA	3371.38	
MW-8	03/14/12	3430.21	58.87	58.88	0.01	NA	NA	NA	3371.34	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
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 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-8	03/21/12	3430.21	58.76	58.77	0.01	NA	NA	NA	3371.45	
MW-8	03/29/12	3430.21	58.18	58.19	0.01	NA	NA	NA	3372.03	
MW-8	04/03/12	3430.21	58.85	58.86	0.01	NA	NA	NA	3371.36	
MW-8	04/11/12	3430.21	58.82	58.83	0.01	NA	NA	NA	3371.39	
MW-8	04/20/12	3430.21	ND	58.77	ND	NA	NA	NA	3371.44	
MW-8	04/26/12	3430.21	58.85	58.86	0.01	NA	NA	NA	3371.36	
MW-8	05/02/12	3430.21	58.88	58.89	0.01	NA	NA	NA	3371.33	
MW-8	05/09/12	3430.21	58.86	58.87	0.01	NA	NA	NA	3371.35	
MW-8	05/16/12	3430.21	58.90	58.91	0.01	NA	NA	NA	3371.31	
MW-8	05/24/12	3430.21	ND	58.88	ND	NA	NA	NA	3371.33	
MW-8	05/29/12	3430.21	Sheen	58.83	Sheen	NA	NA	NA	3371.38	
MW-8	06/06/12	3430.21	ND	58.89	ND	NA	NA	NA	3371.32	
MW-8	06/13/12	3430.21	ND	58.85	ND	NA	NA	NA	3371.36	
MW-8	06/19/12	3430.21	Sheen	58.85	Sheen	NA	NA	NA	3371.36	
MW-8	06/27/12	3430.21	Sheen	58.91	Sheen	NA	NA	NA	3371.30	
MW-8	07/05/12	3430.21	Heavy Sheen	58.98	Heavy Sheen	NA	NA	NA	3371.23	
MW-8	07/11/12	3430.21	ND	58.99	ND	NA	NA	NA	3371.22	
MW-8	07/18/12	3430.21	Heavy Sheen	59.00	Heavy Sheen	NA	NA	NA	3371.21	
MW-8	07/25/12	3430.21	Sheen	59.00	Sheen	NA	NA	NA	3371.21	
MW-8	07/31/12	3430.21	59.03	59.04	0.01	NA	NA	NA	3371.18	
MW-8	08/08/12	3430.21	ND	59.08	ND	NA	NA	NA	3371.13	
MW-8	08/13/12	3430.21	ND	59.08	ND	NA	NA	NA	3371.13	
MW-8	08/20/12	3430.21	Sheen	59.08	Sheen	NA	NA	NA	3371.13	
MW-8	09/05/12	3430.21	ND	59.11	ND	NA	NA	NA	3371.10	
MW-8	09/12/12	3430.21	ND	59.08	ND	NA	NA	NA	3371.13	
MW-8	10/02/12	3430.21	ND	59.11	ND	NA	NA	NA	3371.10	
MW-8	10/10/12	3430.21	ND	59.11	ND	NA	NA	NA	3371.10	
MW-8	10/16/12	3430.21	ND	59.10	ND	NA	NA	NA	3371.11	
MW-8	10/24/12	3430.21	ND	59.10	ND	NA	NA	NA	3371.11	
MW-8	10/30/12	3430.21	59.11	59.12	0.01	NA	NA	NA	3371.10	
MW-8	11/06/12	3430.21	ND	59.14	ND	NA	NA	NA	3371.07	
MW-8	11/13/12	3430.21	ND	59.13	ND	NA	NA	NA	3371.08	
MW-8	11/19/12	3430.21	59.14	59.15	0.01	NA	NA	NA	3371.07	
MW-8	12/05/12	3430.21	ND	59.12	ND	NA	NA	NA	3371.09	

TABLE 2
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 Plains Marketing, L.P.
 Hugh Gathering
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 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-8	12/11/12	3430.21	58.16	58.17	0.01	NA	0.10	5.00	3372.05	
MW-8	12/11/12	3430.21	ND	59.63	ND	NA	NA	NA	3370.58	
MW-8	01/03/13	3430.21	ND	59.00	ND	NA	NA	NA	3371.21	
MW-8	01/16/13	3430.21	59.18	59.19	0.01	NA	NA	NA	3371.03	
MW-8	01/23/13	3430.21	59.15	59.16	0.01	NA	NA	NA	3371.06	
MW-8	01/30/13	3430.21	59.17	59.18	0.01	NA	NA	NA	3371.04	
MW-8	02/07/13	3430.21	59.16	59.17	0.01	NA	NA	NA	3371.05	
MW-8	02/13/13	3430.21	59.03	59.05	0.02	NA	NA	NA	3371.18	
MW-8	02/28/13	3430.21	59.06	59.08	0.02	NA	NA	NA	3371.15	
MW-8	03/05/13	3430.21	59.05	59.07	0.02	NA	NA	NA	3371.16	
MW-8	03/15/13	3430.21	59.08	59.09	0.01	NA	NA	NA	3371.13	
MW-8	03/21/13	3430.21	59.11	59.12	0.01	NA	NA	NA	3371.10	
MW-8	03/29/13	3430.21	59.16	59.20	0.04	NA	NA	NA	3371.04	
MW-8	04/07/13	3430.21	59.06	59.09	0.03	NA	NA	NA	3371.15	
MW-8	04/20/13	3430.21	59.10	59.11	0.01	NA	NA	NA	3371.11	
MW-8	04/23/13	3430.21	NG	NG	NG	NA	NA	NA	NG	Interface
MW-8	05/01/13	3430.21	59.20	59.22	0.02	NA	NA	NA	3371.01	
MW-8	05/15/13	3430.21	59.20	59.22	0.02	NA	NA	NA	3371.01	
MW-8	05/21/13	3430.21	59.22	59.23	0.01	NA	NA	NA	3370.99	
MW-8	06/04/13	3430.21	59.23	59.34	0.11	NA	0.10	6.00	3370.96	
MW-8	06/04/13	3430.21	ND	60.45	ND	NA	NA	NA	3369.76	Dry
MW-8	06/13/13	3430.21	59.28	59.31	0.03	NA	NA	NA	3370.93	
MW-8	06/17/13	3430.21	59.28	59.33	0.05	NA	0.25	10.00	3370.92	
MW-8	06/26/13	3430.21	59.26	59.30	0.04	NA	NA	NA	3370.94	
MW-8	07/03/13	3430.21	59.28	59.32	0.04	NA	NA	NA	3370.92	
MW-8	07/10/13	3430.21	ND	59.32	ND	NA	NA	NA	3370.89	
MW-8	08/07/13	3430.21	59.23	59.25	0.02	NA	NA	NA	3370.98	
MW-8	08/14/13	3430.21	59.34	59.35	0.01	NA	NA	NA	3370.87	
MW-8	08/21/13	3430.21	59.37	59.47	0.10	NA	0.25	4.75	3370.83	
MW-8	08/28/13	3430.21	59.40	59.42	0.02	NA	NA	NA	3370.81	
MW-8	09/06/13	3430.21	59.43	59.44	0.01	NA	NA	NA	3370.78	
MW-8	09/11/13	3430.21	59.45	59.48	0.03	NA	NA	NA	3370.76	
MW-8	09/21/13	3430.21	ND	59.47	ND	NA	NA	NA	3370.74	
MW-8	09/28/13	3430.21	49.57	49.59	0.02	NA	NA	NA	3380.64	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-8	10/02/13	3430.21	59.45	59.50	0.05	NA	NA	NA	3370.75	
MW-8	10/11/13	3430.21	59.40	59.45	0.05	NA	NA	NA	3370.80	
MW-8	10/16/13	3430.21	59.37	59.38	0.01	NA	NA	NA	3370.84	
MW-8	10/30/13	3430.21	59.44	59.54	0.10	NA	NA	NA	3370.76	
MW-8	11/13/13	3430.21	59.40	59.50	0.10	NA	NA	NA	3370.80	
MW-8	11/20/13	3430.21	59.25	59.28	0.03	NA	NA	NA	3370.96	
MW-8	11/27/13	3430.21	59.80	59.91	0.11	NA	NA	NA	3370.39	
MW-8	12/13/13	3430.21	59.34	59.35	0.01	NA	NA	NA	3370.87	
MW-8	12/17/13	3430.21	59.40	59.43	0.03	NA	NA	NA	3370.81	
MW-9	02/21/07	3429.88	57.50	57.55	0.05	NA	NA	NA	3372.37	
MW-9	03/07/07	3429.88	57.48	57.53	0.05	NA	NA	NA	3372.39	Installed Sock
MW-9	03/14/07	3429.88	57.62	57.76	0.14	NA	NA	NA	3372.24	Flipped Sock
MW-9	03/21/07	3429.88	57.72	57.75	0.03	NA	NA	NA	3372.16	Sock
MW-9	03/28/07	3429.88	57.50	57.90	0.40	NA	NA	NA	3372.32	New Sock
MW-9	04/03/07	3429.88	57.60	57.68	0.08	NA	NA	NA	3372.27	New Sock
MW-9	04/10/07	3429.88	ND	57.64	ND	NA	NA	NA	3372.24	New Sock
MW-9	04/18/07	3429.88	ND	57.50	ND	NA	NA	NA	3372.38	Sock
MW-9	04/24/07	3429.88	ND	57.70	ND	NA	NA	NA	3372.18	Sock
MW-9	05/03/07	3429.88	57.58	57.68	0.10	NA	NA	NA	3372.29	Flipped Sock
MW-9	05/11/07	3429.88	57.49	57.79	0.30	NA	NA	NA	3372.35	New Sock
MW-9	05/16/07	3429.88	ND	57.55	ND	NA	NA	NA	3372.33	New Sock
MW-9	05/23/07	3429.88	ND	57.56	ND	NA	NA	NA	3372.32	Sock
MW-9	05/31/07	3429.88	ND	57.52	ND	NA	NA	NA	3372.36	Sock
MW-9	06/06/07	3429.88	ND	57.44	ND	NA	NA	NA	3372.44	Sock
MW-9	06/13/07	3429.88	ND	57.64	ND	NA	NA	NA	3372.24	New Sock
MW-9	06/19/07	3429.88	ND	57.50	ND	NA	NA	NA	3372.38	Flipped Sock
MW-9	06/27/07	3429.88	ND	57.86	ND	NA	NA	NA	3372.02	Sock
MW-9	07/05/07	3429.88	57.45	57.51	0.06	NA	NA	NA	3372.42	Sock
MW-9	07/11/07	3429.88	ND	57.54	ND	NA	NA	NA	3372.34	Sock
MW-9	07/11/07	3429.88	ND	57.47	ND	NA	NA	NA	3372.41	Flipped Sock
MW-9	07/24/07	3429.88	ND	57.50	ND	NA	NA	NA	3372.38	Sock
MW-9	07/31/07	3429.88	ND	57.52	ND	NA	NA	NA	3372.36	Sock
MW-9	08/09/07	3429.88	ND	57.77	ND	NA	NA	NA	3372.11	New Sock

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							PSH	H ₂ O		
MW-9	08/16/07	3429.88	ND	57.54	ND	NA	NA	NA	3372.34	Sock
MW-9	08/22/07	3429.88	ND	57.44	ND	NA	NA	NA	3372.44	Sock
MW-9	08/28/07	3429.88	ND	57.61	ND	NA	NA	NA	3372.27	Sock
MW-9	09/06/07	3429.88	ND	57.49	ND	NA	NA	NA	3372.39	Sock
MW-9	09/13/07	3429.88	ND	57.85	ND	NA	NA	NA	3372.03	Flipped Sock
MW-9	09/18/07	3429.88	ND	57.83	ND	NA	NA	NA	3372.05	Sock
MW-9	09/26/07	3429.88	ND	57.88	ND	NA	NA	NA	3372.00	Sock
MW-9	10/04/07	3429.88	58.00	58.01	0.01	NA	NA	NA	3371.88	New Sock
MW-9	10/10/07	3429.88	ND	57.62	ND	NA	NA	NA	3372.26	Flipped Sock
MW-9	10/17/07	3429.88	ND	57.64	ND	NA	NA	NA	3372.24	Sock
MW-9	10/24/07	3429.88	57.83	57.89	0.06	NA	NA	NA	3372.04	Sock
MW-9	10/31/07	3429.88	57.97	58.00	0.03	NA	NA	NA	3371.91	New Sock
MW-9	11/07/07	3429.88	ND	58.10	ND	NA	NA	NA	3371.78	Sock
MW-9	11/13/07	3429.88	57.75	57.79	0.04	NA	NA	NA	3372.12	Sock
MW-9	11/20/07	3429.88	ND	57.79	ND	NA	NA	NA	3372.09	New Sock
MW-9	11/27/07	3429.88	ND	57.77	ND	NA	NA	NA	3372.11	Sock
MW-9	12/05/07	3429.88	57.73	57.74	0.01	NA	NA	NA	3372.15	Flipped Sock
MW-9	12/12/07	3429.88	ND	57.72	ND	NA	NA	NA	3372.16	Sock
MW-9	12/18/07	3429.88	ND	57.88	ND	NA	NA	NA	3372.00	New Sock
MW-9	12/27/07	3429.88	57.72	57.74	0.02	NA	NA	NA	3372.16	Flipped Sock
MW-9	01/03/08	3429.88	57.82	57.86	0.04	NA	NA	NA	3372.05	New Sock
MW-9	01/09/08	3429.88	ND	57.48	ND	NA	NA	NA	3372.40	Flipped Sock
MW-9	01/17/08	3429.88	ND	57.58	ND	NA	NA	NA	3372.30	New Sock
MW-9	01/23/08	3429.88	57.55	57.57	0.02	NA	NA	NA	3372.33	Flipped Sock
MW-9	01/30/08	3429.88	57.59	57.60	0.01	NA	NA	NA	3372.29	New Sock
MW-9	01/30/08	3429.88	ND	62.45	ND	Hand Bailed	1.00	13.00	3367.43	
MW-9	02/06/08	3429.88	ND	57.52	ND	NA	NA	NA	3372.36	New Sock
MW-9	02/06/08	3429.88	ND	63.09	ND	Hand Bailed	1.00	19.00	3366.79	
MW-9	02/13/08	3429.88	ND	57.46	ND	NA	NA	NA	3372.42	Sock
MW-9	02/13/08	3429.88	ND	61.78	ND	Hand Bailed	1.00	19.00	3368.10	
MW-9	02/19/08	3429.88	ND	57.51	ND	NA	NA	NA	3372.37	Sock
MW-9	02/19/08	3429.88	ND	59.87	ND	Hand Bailed	1.00	19.00	3370.01	
MW-9	02/27/08	3429.88	ND	57.72	ND	NA	NA	NA	3372.16	Sock
MW-9	03/04/08	3429.88	ND	57.67	ND	NA	NA	NA	3372.21	Sock

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							PSH	H ₂ O		
MW-9	03/12/08	3429.88	ND	57.48	ND	NA	NA	NA	3372.40	Sock
MW-9	03/12/08	3429.88	ND	61.18	ND	NA	NA	NA	3368.70	Sock
MW-9	03/19/08	3429.88	ND	57.51	ND	NA	NA	NA	3372.37	Sock
MW-9	03/26/08	3429.88	ND	57.42	ND	NA	NA	NA	3372.46	Sock
MW-9	03/26/08	3429.88	ND	61.00	ND	Pumped	0.00	20.00	3368.88	
MW-9	04/02/08	3429.88	ND	57.57	ND	NA	NA	NA	3372.31	Sock
MW-9	04/02/08	3429.88	ND	60.09	ND	Hand Bailed	0.50	19.50	3369.79	
MW-9	04/09/08	3429.88	ND	57.73	ND	NA	NA	NA	3372.15	Sock
MW-9	04/09/08	3429.88	ND	60.50	ND	Hand Bailed	0.00	15.00	3369.38	
MW-9	04/16/08	3429.88	ND	57.79	ND	NA	NA	NA	3372.09	Sock
MW-9	04/16/08	3429.88	ND	60.64	ND	Hand Bailed	0.00	15.00	3369.24	
MW-9	04/24/08	3429.88	ND	57.49	ND	NA	NA	NA	3372.39	Sock
MW-9	04/24/08	3429.88	ND	59.58	ND	Hand Bailed	0.00	20.00	3370.30	
MW-9	04/30/08	3429.88	ND	57.48	ND	NA	NA	NA	3372.40	Sock
MW-9	04/30/08	3429.88	ND	61.92	ND	Hand Bailed	0.00	20.00	3367.96	
MW-9	05/07/08	3429.88	ND	57.51	ND	NA	NA	NA	3372.37	Sock
MW-9	05/07/08	3429.88	ND	61.99	ND	Hand Bailed	0.00	20.00	3367.89	
MW-9	05/14/08	3429.88	ND	57.54	ND	NA	NA	NA	3372.34	Sock
MW-9	05/14/08	3429.88	ND	61.83	ND		0.00	20.00	3368.05	New Sock
MW-9	05/20/08	3429.88	ND	57.57	ND	NA	NA	NA	3372.31	Sock
MW-9	05/20/08	3429.88	ND	60.12	ND	Hand Bailed	0.00	20.00	3369.76	
MW-9	05/29/08	3429.88	ND	57.55	ND	NA	NA	NA	3372.33	Sock
MW-9	05/29/08	3429.88	ND	60.12	ND	Hand Bailed	0.00	19.00	3369.76	
MW-9	06/04/08	3429.88	ND	57.57	ND	NA	NA	NA	3372.31	Sock
MW-9	06/04/08	3429.88	ND	60.42	ND	Hand Bailed	0.00	20.00	3369.46	
MW-9	06/11/08	3429.88	ND	57.61	ND	NA	NA	NA	3372.27	Sock
MW-9	06/11/08	3429.88	ND	59.89	ND	Hand Bailed	0.00	20.00	3369.99	
MW-9	06/18/08	3429.88	ND	57.64	ND	NA	NA	NA	3372.24	Sock
MW-9	06/26/08	3429.88	ND	57.69	ND	NA	NA	NA	3372.19	Sock
MW-9	06/26/08	3429.88	ND	60.01	ND	Hand Bailed	0.00	20.00	3369.87	
MW-9	07/02/08	3429.88	ND	57.71	ND	NA	NA	NA	3372.17	Sock
MW-9	07/02/08	3429.88	ND	59.56	ND	Hand Bailed	0.00	20.00	3370.32	
MW-9	07/07/08	3429.88	ND	57.79	ND	Hand Bailed	0.00	20.00	3372.09	
MW-9	07/07/08	3429.88	ND	59.02	ND	NA	NA	NA	3370.86	New Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	07/16/08	3429.88	ND	57.70	ND	Pumped	0.00	20.00	3372.18	
MW-9	07/16/08	3429.88	ND	58.26	ND	NA	NA	NA	3371.62	Sock
MW-9	07/21/08	3429.88	ND	57.73	ND	Pumped	0.00	20.00	3372.15	
MW-9	07/21/08	3429.88	ND	58.38	ND	NA	NA	NA	3371.50	Sock
MW-9	07/29/08	3429.88	ND	57.76	ND	Pumped	0.00	20.00	3372.12	
MW-9	07/29/08	3429.88	ND	58.61	ND	NA	NA	NA	3371.27	Sock
MW-9	08/06/08	3429.88	ND	57.77	ND	NA	NA	NA	3372.11	Sock
MW-9	08/13/08	3429.88	ND	57.78	ND	Pumped	0.00	20.00	3372.10	
MW-9	08/13/08	3429.88	ND	58.61	ND	NA	NA	NA	3371.27	New Sock
MW-9	08/18/08	3429.88	ND	57.66	ND	NA	NA	NA	3372.22	Sock
MW-9	08/27/08	3429.88	ND	57.68	ND	Pumped	0.00	20.00	3372.20	
MW-9	08/27/08	3429.88	ND	59.91	ND	NA	NA	NA	3369.97	Sock
MW-9	09/02/08	3429.88	ND	57.73	ND	Pumped	0.00	20.00	3372.15	
MW-9	09/02/08	3429.88	ND	60.21	ND	NA	NA	NA	3369.67	Sock
MW-9	09/09/08	3429.88	ND	57.77	ND	Pumped	0.00	20.00	3372.11	
MW-9	09/09/08	3429.88	ND	60.46	ND	NA	NA	NA	3369.42	Sock
MW-9	09/17/08	3429.88	57.90	57.94	0.04	Pumped	0.00	10.00	3371.97	
MW-9	09/17/08	3429.88	ND	60.22	ND	NA	NA	NA	3369.66	Sock
MW-9	09/24/08	3429.88	57.63	58.15	0.52	Pumped	1.00	15.00	3372.17	
MW-9	09/24/08	3429.88	ND	63.00	ND	NA	NA	NA	3366.88	Sock
MW-9	10/01/08	3429.88	57.73	57.74	0.01	Pumped	0.00	20.00	3372.15	
MW-9	10/01/08	3429.88	ND	62.96	ND	NA	NA	NA	3366.92	Sock
MW-9	10/08/08	3429.88	57.72	57.74	0.02	Pumped	1.00	19.00	3372.16	
MW-9	10/08/08	3429.88	ND	61.64	ND	NA	NA	NA	3368.24	Sock
MW-9	10/15/08	3429.88	ND	57.71	ND	Pumped	0.00	20.00	3372.17	
MW-9	10/15/08	3429.88	ND	60.30	ND	NA	NA	NA	3369.58	Sock
MW-9	10/22/08	3429.88	ND	57.68	ND	Pumped	2.00	18.00	3372.20	
MW-9	10/22/08	3429.88	ND	60.54	ND	NA	NA	NA	3369.34	Sock
MW-9	10/29/08	3429.88	ND	57.70	ND	Pumped	0.00	20.00	3372.18	
MW-9	10/29/08	3429.88	ND	61.59	ND	NA	NA	NA	3368.29	Sock
MW-9	11/05/08	3429.88	ND	57.72	ND	Pumped	NA	25.00	3372.16	
MW-9	11/05/08	3429.88	ND	61.27	ND	NA	NA	NA	3368.61	Sock
MW-9	11/20/08	3429.88	57.88	58.05	0.17		0.00	25.00	3371.97	Sock
MW-9	11/26/08	3429.88	57.78	57.84	0.06	Pumped	0.75	14.25	3372.09	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	11/26/08	3429.88	ND	59.12	ND		0.75	14.25	3370.76	Sock
MW-9	12/03/08	3429.88	57.30	57.84	0.54	Pumped	0.25	19.75	3372.50	
MW-9	12/03/08	3429.88	ND	57.69	ND	NA	NA	NA	3372.19	New Sock
MW-9	12/10/08	3429.88	ND	57.71	ND	NA	NA	NA	3372.17	Sock
MW-9	12/17/08	3429.88	ND	57.76	ND	NA	NA	NA	3372.12	
MW-9	12/17/08	3429.88	ND	59.34	ND	NA	NA	NA	3370.54	
MW-9	12/21/08	3429.88	57.78	57.85	0.07	NA	NA	NA	3372.09	
MW-9	12/21/08	3429.88	ND	60.15	ND	NA	NA	NA	3369.73	Sock
MW-9	12/31/08	3429.88	ND	57.70	ND		0.50	19.50	3372.18	Flipped Sock
MW-9	12/31/08	3429.88	ND	58.07	ND	NA	NA	NA	3371.81	
MW-9	01/02/09	3429.88	ND	57.70	ND		0.50	19.50	3372.18	Flipped Sock
MW-9	01/02/09	3429.88	ND	58.07	ND	NA	NA	NA	3371.81	NA
MW-9	01/07/09	3429.88	ND	57.74	ND		0.50	9.50	3372.14	New sock
MW-9	01/07/09	3429.88	57.73	57.74	0.01	NA	NA	NA	3372.15	
MW-9	01/15/09	3429.88	ND	57.73	ND	Pumped	0.50	9.50	3372.15	
MW-9	01/15/09	3429.88	ND	58.01	ND	NA	NA	NA	3371.87	
MW-9	01/22/09	3429.88	ND	57.62	ND	Pumped	0.25	9.75	3372.26	New Sock
MW-9	01/22/09	3429.88	ND	58.07	ND	NA	NA	NA	3371.81	
MW-9	01/28/09	3429.88	ND	57.66	ND	Pumped	0.00	20.00	3372.22	
MW-9	01/28/09	3429.88	ND	58.88	ND	NA	NA	NA	3371.00	
MW-9	02/04/09	3429.88	ND	57.64	ND	Pumped	1.00	19.00	3372.24	Flipped Sock
MW-9	02/04/09	3429.88	ND	57.84	ND	NA	NA	NA	3372.04	
MW-9	02/11/09	3429.88	ND	57.66	ND	Pumped	0.25	19.75	3372.22	Sock
MW-9	02/11/09	3429.88	ND	57.84	ND	NA	NA	NA	3372.04	
MW-9	02/18/09	3429.88	ND	57.61	ND	Pumped	0.25	19.75	3372.27	Flipped Sock
MW-9	02/18/09	3429.88	ND	58.56	ND	NA	NA	NA	3371.32	
MW-9	02/25/09	3429.88	ND	57.60	ND	Pumped	0.25	19.75	3372.28	Sock
MW-9	02/25/09	3429.88	ND	58.55	ND	NA	NA	NA	3371.33	
MW-9	03/04/09	3429.88	ND	57.61	ND	Pumped	0.25	14.75	3372.27	Flipped Sock
MW-9	03/04/09	3429.88	ND	58.25	ND	NA	NA	NA	3371.63	
MW-9	03/11/09	3429.88	ND	57.67	ND		0.25	19.75	3372.21	New Sock
MW-9	03/11/09	3429.88	ND	58.15	ND	NA	NA	NA	3371.73	
MW-9	03/18/09	3429.88	ND	57.59	ND	Pumped	0.25	14.75	3372.29	
MW-9	03/18/09	3429.88	ND	58.41	ND	NA	NA	NA	3371.47	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	03/25/09	3429.88	ND	57.58	ND	NA	NA	NA	3372.30	Flipped Sock
MW-9	04/01/09	3429.88	ND	57.56	ND	Pumped	1.50	18.50	3372.32	Sock
MW-9	04/01/09	3429.88	ND	58.18	ND	NA	NA	NA	3371.70	
MW-9	04/08/09	3429.88	ND	57.66	ND	Pumped	0.50	17.50	3372.22	Sock
MW-9	04/08/09	3429.88	ND	59.39	ND	NA	NA	NA	3370.49	
MW-9	04/15/09	3429.88	ND	57.62	ND	Pumped	0.50	19.50	3372.26	Sock
MW-9	04/15/09	3429.88	ND	60.06	ND	NA	NA	NA	3369.82	
MW-9	04/22/09	3429.88	ND	57.62	ND	Pumped	0.00	15.00	3372.26	Sock
MW-9	04/22/09	3429.88	ND	59.36	ND	NA	NA	NA	3370.52	
MW-9	04/29/09	3429.88	ND	57.58	ND	Pumped	0.10	14.90	3372.30	Sock
MW-9	04/29/09	3429.88	ND	60.12	ND	NA	NA	NA	3369.76	
MW-9	05/06/09	3429.88	ND	57.63	ND	NA	NA	NA	3372.25	
MW-9	05/06/09	3429.88	ND	59.87	ND	Pumped	0.25	14.75	3370.01	Sock
MW-9	05/14/09	3429.88	ND	59.81	ND	NA	NA	NA	3370.07	
MW-9	05/14/09	3429.88	ND	60.47	ND	Pumped	0.50	14.50	3369.41	Sock
MW-9	05/20/09	3429.88	ND	57.69	ND	NA	NA	NA	3372.19	
MW-9	05/27/09	3429.88	ND	57.80	ND	NA	NA	NA	3372.08	
MW-9	05/27/09	3429.88	ND	58.20	ND	Pumped	0.50	29.50	3371.68	Sock
MW-9	06/03/09	3429.88	ND	57.66	ND	NA	NA	NA	3372.22	
MW-9	06/03/09	3429.88	ND	58.08	ND	Pumped	0.50	15.00	3371.80	Sock
MW-9	06/11/09	3429.88	ND	57.70	ND	NA	NA	NA	3372.18	
MW-9	06/11/09	3429.88	ND	58.13	ND	Pumped	0.50	14.50	3371.75	Sock
MW-9	06/17/09	3429.88	57.82	57.90	0.08	NA	NA	NA	3372.05	
MW-9	06/17/09	3429.88	ND	58.18	ND	Pumped	0.75	14.25	3371.70	Sock
MW-9	06/23/09	3429.88	ND	57.80	ND	Pumped	0.25	14.75	3372.08	Sock
MW-9	07/01/09	3429.88	57.76	57.80	0.04	Pumped	NA	10.00	3372.11	Sock
MW-9	07/07/09	3429.88	57.74	57.76	0.02	Pumped	0.50	14.50	3372.14	Sock
MW-9	07/07/09	3429.88	ND	58.84	ND	NA	NA	NA	3371.04	
MW-9	07/15/09	3429.88	57.79	57.90	0.11	Pumped	0.25	9.75	3372.07	Flipped Sock
MW-9	07/15/09	3429.88	ND	59.95	ND	NA	NA	NA	3369.93	
MW-9	07/22/09	3429.88	57.98	58.00	0.02	Pumped	0.50	9.50	3371.90	New Sock
MW-9	07/22/09	3429.88	ND	59.27	ND	NA	NA	NA	3370.61	
MW-9	07/29/09	3429.88	ND	57.88	ND	Pumped	0.50	9.50	3372.00	
MW-9	07/29/09	3429.88	ND	59.99	ND	NA	NA	NA	3369.89	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
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 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	08/05/09	3429.88	57.87	57.89	0.02	Pumped	0.25	9.75	3372.01	Flipped Sock
MW-9	08/05/09	3429.88	ND	59.80	ND	NA	NA	NA	3370.08	
MW-9	08/12/09	3429.88	ND	57.85	ND	NA	NA	NA	3372.03	
MW-9	08/19/09	3429.88	57.81	57.83	0.02	NA	0.25	9.75	3372.07	
MW-9	08/19/09	3429.88	ND	58.99	ND	NA	NA	NA	3370.89	
MW-9	08/27/09	3429.88	ND	57.90	ND	NA	0.10	14.90	3371.98	
MW-9	08/27/09	3429.88	ND	57.95	ND	NA	NA	NA	3371.93	
MW-9	09/02/09	3429.88	ND	57.93	ND	NA	0.25	14.75	3371.95	
MW-9	09/02/09	3429.88	ND	59.14	ND	NA	NA	NA	3370.74	
MW-9	09/09/09	3429.88	ND	57.91	ND	NA	NA	NA	3371.97	
MW-9	09/16/09	3429.88	57.98	58.00	0.02	NA	NA	NA	3371.90	
MW-9	09/16/09	3429.88	ND	59.69	ND	NA	NA	NA	3370.19	
MW-9	09/23/09	3429.88	58.03	58.05	0.02	Pumped	1.00	19.00	3371.85	New Sock
MW-9	09/23/09	3429.88	ND	61.57	ND	NA	NA	NA	3368.31	
MW-9	09/30/09	3429.88	ND	57.92	ND	Pumped	0.25	9.75	3371.96	
MW-9	09/30/09	3429.88	ND	59.86	ND	NA	NA	NA	3370.02	
MW-9	10/07/09	3429.88	ND	57.94	ND	Pumped	0.25	9.75	3371.94	
MW-9	10/07/09	3429.88	ND	60.02	ND	NA	NA	NA	3369.86	
MW-9	10/14/09	3429.88	ND	57.95	ND	Pumped	1.00	9.00	3371.93	
MW-9	10/14/09	3429.88	ND	61.05	ND	NA	NA	NA	3368.83	
MW-9	10/21/09	3429.88	ND	57.90	ND	Hand Bailed	0.50	9.50	3371.98	
MW-9	10/21/09	3429.88	ND	61.05	ND	NA	NA	NA	3368.83	
MW-9	10/29/09	3429.88	ND	57.99	ND	Pumped	1.50	20.00	3371.89	
MW-9	10/29/09	3429.88	ND	58.82	ND	NA	NA	NA	3371.06	
MW-9	11/04/09	3429.88	ND	57.91	ND	NA	NA	NA	3371.97	
MW-9	11/11/09	3429.88	57.97	58.00	0.03	Pumped	1.00	9.00	3371.91	
MW-9	11/11/09	3429.88	ND	59.25	ND	NA	NA	NA	3370.63	
MW-9	11/17/09	3429.88	ND	57.96	ND	Pumped	1.00	9.00	3371.92	
MW-9	11/17/09	3429.88	ND	59.63	ND	NA	NA	NA	3370.25	
MW-9	11/25/09	3429.88	57.92	57.94	0.02	Pumped	1.00	9.00	3371.96	
MW-9	11/25/09	3429.88	ND	59.35	ND	NA	NA	NA	3370.53	
MW-9	12/02/09	3429.88	57.91	57.93	0.02	Pumped	1.00	14.00	3371.97	
MW-9	12/02/09	3429.88	59.35	59.43	0.08	NA	NA	NA	3370.52	
MW-9	12/09/09	3429.88	57.98	58.00	0.02	Pumped	1.00	14.00	3371.90	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	12/09/09	3429.88	ND	60.57	ND	NA	NA	NA	3369.31	
MW-9	12/15/09	3429.88	ND	57.93	ND	Pumped	1.00	14.00	3371.95	
MW-9	12/15/09	3429.88	ND	60.83	ND	NA	NA	NA	3369.05	
MW-9	12/23/09	3429.88	ND	57.97	ND	Pumped	0.75	9.25	3371.91	
MW-9	12/23/09	3429.88	ND	59.43	ND	NA	NA	NA	3370.45	
MW-9	12/30/09	3429.88	ND	58.00	ND	Pumped	0.75	9.25	3371.88	
MW-9	12/30/09	3429.88	ND	59.83	ND	NA	NA	NA	3370.05	
MW-9	01/06/10	3429.88	58.94	58.95	0.01	Pumped	1.00	9.00	3370.94	
MW-9	01/06/10	3429.88	ND	60.23	ND	NA	NA	NA	3369.65	
MW-9	01/13/10	3429.88	ND	58.00	ND	Pumped	0.50	9.50	3371.88	
MW-9	01/13/10	3429.88	ND	60.46	ND	NA	NA	NA	3369.42	
MW-9	01/20/10	3429.88	57.88	57.94	0.06	Pumped	1.00	14.00	3371.99	
MW-9	01/20/10	3429.88	ND	59.71	ND	NA	NA	NA	3370.17	
MW-9	01/27/10	3429.88	58.00	58.01	0.01	Pumped	1.00	14.00	3371.88	
MW-9	01/27/10	3429.88	ND	59.73	ND	NA	NA	NA	3370.15	
MW-9	02/11/10	3429.88	58.05	58.09	0.04	Pumped	1.00	9.00	3371.82	
MW-9	02/11/10	3429.88	ND	60.26	ND	NA	NA	NA	3369.62	
MW-9	02/17/10	3429.88	57.92	57.93	0.01	Pumped	1.00	14.00	3371.96	
MW-9	02/17/10	3429.88	ND	59.77	ND	NA	NA	NA	3370.11	
MW-9	03/02/10	3429.88	ND	57.87	ND	Pumped	1.00	9.00	3372.01	
MW-9	03/02/10	3429.88	ND	59.31	ND	NA	NA	NA	3370.57	
MW-9	03/10/10	3429.88	57.81	57.84	0.03	Pumped	1.00	9.00	3372.07	
MW-9	03/10/10	3429.88	ND	58.83	ND	NA	NA	NA	3371.05	
MW-9	03/17/10	3429.88	ND	57.87	ND	Pumped	1.00	9.00	3372.01	
MW-9	03/17/10	3429.88	ND	59.60	ND	NA	NA	NA	3370.28	
MW-9	03/24/10	3429.88	57.88	57.89	0.01	NA	NA	NA	3372.00	
MW-9	03/31/10	3429.88	57.80	57.90	0.10	Pumped	1.00	14.00	3372.07	
MW-9	03/31/10	3429.88	ND	59.02	ND	NA	NA	NA	3370.86	
MW-9	04/07/10	3429.88	57.84	57.92	0.08	Pumped	1.00	14.00	3372.03	
MW-9	04/07/10	3429.88	ND	58.32	ND	NA	NA	NA	3371.56	
MW-9	04/14/10	3429.88	57.84	57.92	0.08	Pumped	0.10	14.90	3372.03	
MW-9	04/14/10	3429.88	ND	59.21	ND	NA	NA	NA	3370.67	
MW-9	04/21/10	3429.88	57.80	57.83	0.03	Pumped	0.10	14.90	3372.08	
MW-9	04/21/10	3429.88	ND	58.90	ND	NA	NA	NA	3370.98	

TABLE 2
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Plains Marketing, L.P.
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 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	04/28/10	3429.88	57.82	57.86	0.04	Pumped	0.10	19.90	3372.05	
MW-9	04/28/10	3429.88	ND	58.50	ND	NA	NA	NA	3371.38	
MW-9	05/05/10	3429.88	57.80	57.81	0.01	Hand Bailed	0.10	9.90	3372.08	
MW-9	05/05/10	3429.88	ND	61.98	ND	NA	NA	NA	3367.90	
MW-9	05/12/10	3429.88	57.80	57.81	0.01	Pumped	0.25	23.00	3372.08	
MW-9	05/12/10	3429.88	ND	58.72	ND	NA	NA	NA	3371.16	
MW-9	05/19/10	3429.88	57.91	57.93	0.02	Pumped	0.50	14.50	3371.97	
MW-9	05/19/10	3429.88	ND	58.87	ND	NA	NA	NA	3371.01	
MW-9	05/29/10	3429.88	57.93	57.95	0.02	Pumped	0.50	14.50	3371.95	
MW-9	05/29/10	3429.88	ND	59.86	ND	NA	NA	NA	3370.02	
MW-9	06/02/10	3429.88	57.92	57.93	0.01	Pumped	0.25	9.75	3371.96	
MW-9	06/02/10	3429.88	ND	60.10	ND	NA	NA	NA	3369.78	
MW-9	06/12/10	3429.88	57.96	58.01	0.05	Pumped	<.25	15.00	3371.91	
MW-9	06/12/10	3429.88	ND	59.96	ND	NA	NA	NA	3369.92	
MW-9	06/15/10	3429.88	ND	57.88	ND	Pumped	<.25	9.75	3372.00	
MW-9	06/15/10	3429.88	ND	60.88	ND	NA	NA	NA	3369.00	
MW-9	06/25/10	3429.88	57.99	58.03	0.04	Pumped	0.50	9.50	3371.88	
MW-9	06/30/10	3429.88	58.02	58.03	0.01	Pumped	<.25	10.00	3371.86	
MW-9	06/30/10	3429.88	ND	60.95	ND	NA	NA	NA	3368.93	
MW-9	07/07/10	3429.88	58.01	58.02	0.01	Pumped	<.25	5.00	3371.87	
MW-9	07/07/10	3429.88	ND	59.62	ND	NA	NA	NA	3370.26	
MW-9	07/14/10	3429.88	58.01	58.03	0.02	Pumped	0.25	9.75	3371.87	
MW-9	07/14/10	3429.88	ND	60.65	ND	NA	NA	NA	3369.23	
MW-9	07/21/10	3429.88	57.99	58.00	0.01	Pumped	<0.25	15.00	3371.89	
MW-9	07/21/10	3429.88	ND	59.65	ND	NA	NA	NA	3370.23	
MW-9	07/28/10	3429.88	57.98	58.00	0.02	Pumped	0.25	9.75	3371.90	
MW-9	07/28/10	3429.88	ND	59.11	ND	NA	NA	NA	3370.77	
MW-9	08/03/10	3429.88	57.96	57.97	0.01	Pumped	0.25	9.75	3371.92	
MW-9	08/03/10	3429.88	ND	60.07	ND	NA	NA	NA	3369.81	
MW-9	08/11/10	3429.88	57.94	57.95	0.01	Pumped	0.25	9.75	3371.94	
MW-9	08/11/10	3429.88	ND	59.91	ND	NA	NA	NA	3369.97	
MW-9	08/18/10	3429.88	57.95	57.96	0.01	Pumped	0.25	9.75	3371.93	
MW-9	08/18/10	3429.88	ND	59.48	ND	NA	NA	NA	3370.40	
MW-9	08/25/10	3429.88	57.97	57.99	0.02	Pumped	<.25	10.00	3371.91	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	08/25/10	3429.88	ND	60.50	ND	NA	NA	NA	3369.38	
MW-9	09/01/10	3429.88	57.92	57.93	0.01	Pumped	0.10	9.90	3371.96	
MW-9	09/01/10	3429.88	ND	60.39	ND	NA	NA	NA	3369.49	
MW-9	09/08/10	3429.88	57.93	57.94	0.01	Pumped	0.10	9.90	3371.95	
MW-9	09/08/10	3429.88	ND	59.80	ND	NA	NA	NA	3370.08	
MW-9	09/15/10	3429.88	57.91	57.92	0.01	Pumped	0.10	9.90	3371.97	
MW-9	09/15/10	3429.88	ND	60.16	ND	NA	NA	NA	3369.72	
MW-9	09/21/10	3429.88	57.92	57.93	0.01	Pumped	0.10	9.90	3371.96	
MW-9	09/21/10	3429.88	ND	59.80	ND	NA	NA	NA	3370.08	
MW-9	10/01/10	3429.88	57.95	58.04	0.09	Pumped	0.10	14.90	3371.92	
MW-9	10/01/10	3429.88	ND	60.16	ND	NA	NA	NA	3369.72	
MW-9	10/06/10	3429.88	57.97	57.98	0.01	Pumped	0.10	9.90	3371.91	
MW-9	10/06/10	3429.88	ND	58.50	ND	NA	NA	NA	3371.38	
MW-9	10/13/10	3429.88	57.95	57.96	0.01	Pumped	<.25	10.00	3371.93	
MW-9	10/13/10	3429.88	ND	59.25	ND	NA	NA	NA	3370.63	
MW-9	10/22/10	3429.88	ND	57.94	ND	Pumped	<.25	10.00	3371.94	
MW-9	10/22/10	3429.88	ND	59.18	ND	NA	NA	NA	3370.70	
MW-9	10/27/10	3429.88	57.92	57.93	0.01	NA	NA	NA	3371.96	
MW-9	11/10/10	3429.88	57.87	57.88	0.01	Pumped	0.10	9.90	3372.01	
MW-9	11/10/10	3429.88	ND	59.05	ND	NA	NA	NA	3370.83	
MW-9	11/16/10	3429.88	57.91	57.92	0.01	Pumped	0.10	9.90	3371.97	
MW-9	11/16/10	3429.88	ND	60.36	ND	NA	NA	NA	3369.52	
MW-9	11/23/10	3429.88	57.84	57.85	0.01	Pumped	<.25	10.00	3372.04	
MW-9	11/23/10	3429.88	ND	60.21	ND	NA	NA	NA	3369.67	
MW-9	12/01/10	3429.88	57.86	57.89	0.03	Pumped	0.10	14.90	3372.02	
MW-9	12/01/10	3429.88	ND	60.27	ND	NA	NA	NA	3369.61	
MW-9	12/08/10	3429.88	57.85	57.86	0.01	Pumped	<.25	15.00	3372.03	
MW-9	12/08/10	3429.88	ND	60.48	ND	NA	NA	NA	3369.40	
MW-9	12/15/10	3429.88	57.81	57.82	0.01	Pumped	0.10	9.90	3372.07	
MW-9	12/15/10	3429.88	ND	59.20	ND	NA	NA	NA	3370.68	
MW-9	12/21/10	3429.88	57.86	57.87	0.01	Pumped	0.10	9.90	3372.02	
MW-9	12/21/10	3429.88	ND	57.98	ND	NA	NA	NA	3371.90	
MW-9	12/28/10	3429.88	NG	NG	NG	Pumped	0.10	19.90	NG	Interface
MW-9	01/08/11	3429.88	57.83	57.95	0.12	Pumped	1.00	9.00	3372.03	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	01/08/11	3429.88	ND	58.11	ND	NA	NA	NA	3371.77	
MW-9	01/12/11	3429.88	57.91	57.92	0.01	Hand Bailed	0.20	4.80	3371.97	
MW-9	01/12/11	3429.88	ND	59.95	ND	NA	NA	NA	3369.93	
MW-9	01/19/11	3429.88	57.80	57.87	0.07	Pumped	1.00	9.00	3372.07	
MW-9	01/19/11	3429.88	ND	59.44	ND	NA	NA	NA	3370.44	
MW-9	01/25/11	3429.88	57.85	57.86	0.01	NA	0.50	9.50	3372.03	
MW-9	01/25/11	3429.88	ND	58.09	ND	NA	NA	NA	3371.79	
MW-9	02/04/11	3429.88	57.85	57.87	0.02	NA	0.25	9.75	3372.03	
MW-9	02/04/11	3429.88	ND	61.16	ND	NA	NA	NA	3368.72	
MW-9	02/08/11	3429.88	ND	57.83	ND	NA	NA	NA	3372.05	
MW-9	02/16/11	3429.88	57.78	57.95	0.17	NA	0.25	9.75	3372.07	
MW-9	02/16/11	3429.88	ND	59.28	ND	NA	NA	NA	3370.60	
MW-9	02/24/11	3429.88	57.90	57.94	0.04	NA	0.25	9.75	3371.97	
MW-9	02/24/11	3429.88	ND	59.36	ND	NA	NA	NA	3370.52	
MW-9	03/02/11	3429.88	57.86	57.87	0.01	NA	0.20	9.80	3372.02	
MW-9	03/02/11	3429.88	ND	58.51	ND	NA	NA	NA	3371.37	
MW-9	03/08/11	3429.88	57.87	57.88	0.01	NA	0.10	4.90	3372.01	
MW-9	03/08/11	3429.88	ND	58.18	ND	NA	NA	NA	3371.70	
MW-9	03/16/11	3429.88	57.88	57.95	0.07	NA	0.10	4.90	3371.99	
MW-9	03/16/11	3429.88	ND	59.10	ND	NA	NA	NA	3370.78	
MW-9	03/23/11	3429.88	57.88	57.98	0.10	NA	0.10	4.90	3371.99	
MW-9	03/23/11	3429.88	ND	59.91	ND	NA	NA	NA	3369.97	
MW-9	03/30/11	3429.88	57.79	58.15	0.36	NA	<0.25	10.00	3372.04	
MW-9	03/30/11	3429.88	ND	58.10	ND	NA	NA	NA	3371.78	
MW-9	04/08/11	3429.88	57.87	57.93	0.06	NA	0.10	4.90	3372.00	
MW-9	04/08/11	3429.88	ND	59.56	ND	NA	NA	NA	3370.32	
MW-9	04/13/11	3429.88	57.88	58.00	0.12	NA	0.10	9.90	3371.98	
MW-9	04/13/11	3429.88	ND	59.45	ND	NA	NA	NA	3370.43	
MW-9	04/20/11	3429.88	57.88	58.00	0.12	NA	0.10	4.90	3371.98	
MW-9	04/20/11	3429.88	ND	59.48	ND	NA	NA	NA	3370.40	
MW-9	04/27/11	3429.88	57.94	58.06	0.12	NA	sheen	10.00	3371.92	
MW-9	04/27/11	3429.88	ND	60.46	ND	NA	NA	NA	3369.42	
MW-9	05/04/11	3429.88	57.92	57.94	0.02	NA	heavy sheen	10.00	3371.96	
MW-9	05/04/11	3429.88	ND	60.09	ND	NA	NA	NA	3369.79	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	05/11/11	3429.88	57.97	58.02	0.05	NA	0.50	9.50	3371.90	
MW-9	05/11/11	3429.88	ND	59.65	ND	NA	NA	NA	3370.23	
MW-9	05/19/11	3429.88	57.92	57.99	0.07	NA	0.25	14.75	3371.95	
MW-9	05/19/11	3429.88	ND	61.31	ND	NA	NA	NA	3368.57	
MW-9	05/24/11	3429.88	57.95	57.96	0.01	NA	NA	NA	3371.93	
MW-9	06/02/11	3429.88	58.03	58.31	0.28	NA	NA	NA	3371.81	
MW-9	06/03/11	3429.88	58.13	58.14	0.01	NA	NA	NA	3371.75	Sampled
MW-9	06/08/11	3429.88	58.00	58.25	0.25	NA	0.00	15.00	3371.84	
MW-9	06/08/11	3429.88	ND	59.86	ND	NA	NA	NA	3370.02	
MW-9	06/17/11	3429.88	57.96	58.26	0.30	NA	0.00	15.00	3371.88	
MW-9	06/17/11	3429.88	ND	59.86	ND	NA	NA	NA	3370.02	
MW-9	06/21/11	3429.88	57.96	58.41	0.45	NA	0.10	14.90	3371.85	
MW-9	06/21/11	3429.88	ND	59.98	ND	NA	NA	NA	3369.90	
MW-9	06/29/11	3429.88	58.17	58.30	0.13	NA	NA	NA	3371.69	
MW-9	07/06/11	3429.88	58.20	58.47	0.27	NA	0.10	9.90	3371.64	
MW-9	07/06/11	3429.88	ND	59.97	ND	NA	NA	NA	3369.91	
MW-9	07/13/11	3429.88	58.20	58.36	0.16	NA	0.20	4.80	3371.66	
MW-9	07/13/11	3429.88	ND	60.96	ND	NA	NA	NA	3368.92	
MW-9	07/21/11	3429.88	58.24	58.48	0.24	NA	0.10	4.90	3371.60	
MW-9	07/21/11	3429.88	ND	60.58	ND	NA	NA	NA	3369.30	
MW-9	07/27/11	3429.88	58.24	58.55	0.31	NA	0.10	9.90	3371.59	
MW-9	07/27/11	3429.88	ND	59.70	ND	NA	NA	NA	3370.18	
MW-9	08/03/11	3429.88	58.30	58.47	0.17	NA	0.10	9.90	3371.55	
MW-9	08/03/11	3429.88	ND	61.10	ND	NA	NA	NA	3368.78	
MW-9	08/11/11	3429.88	58.32	58.51	0.19	NA	0.10	4.90	3371.53	
MW-9	08/11/11	3429.88	ND	59.52	ND	NA	NA	NA	3370.36	
MW-9	08/17/11	3429.88	58.24	58.45	0.21	NA	0.10	4.90	3371.61	
MW-9	08/17/11	3429.88	ND	59.60	ND	NA	NA	NA	3370.28	
MW-9	08/24/11	3429.88	58.37	58.68	0.31	NA	0.10	9.90	3371.46	
MW-9	08/24/11	3429.88	ND	59.62	ND	NA	NA	NA	3370.26	
MW-9	08/29/11	3429.88	58.38	58.65	0.27	NA	0.10	4.90	3371.46	
MW-9	08/29/11	3429.88	ND	59.72	ND	NA	NA	NA	3370.16	
MW-9	09/07/11	3429.88	58.40	58.79	0.39	NA	0.10	4.90	3371.42	
MW-9	09/07/11	3429.88	ND	59.40	ND	NA	NA	NA	3370.48	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	09/14/11	3429.88	58.40	58.71	0.31	NA	0.10	9.90	3371.43	
MW-9	09/14/11	3429.88	ND	59.76	ND	NA	NA	NA	3370.12	
MW-9	09/21/11	3429.88	58.43	58.75	0.32	NA	0.10	4.90	3371.40	
MW-9	09/21/11	3429.88	ND	59.34	ND	NA	NA	NA	3370.54	
MW-9	09/26/11	3429.88	58.39	58.80	0.41	NA	0.10	4.90	3371.43	
MW-9	09/26/11	3429.88	ND	59.82	ND	NA	NA	NA	3370.06	
MW-9	10/05/11	3429.88	58.39	58.63	0.24	NA	0.20	9.80	3371.45	
MW-9	10/05/11	3429.88	ND	59.91	ND	NA	NA	NA	3369.97	
MW-9	10/12/11	3429.88	58.46	58.72	0.26	NA	<.25	10.00	3371.38	
MW-9	10/12/11	3429.88	ND	60.66	ND	NA	NA	NA	3369.22	
MW-9	10/18/11	3429.88	58.48	58.67	0.19	NA	0.10	9.90	3371.37	
MW-9	10/18/11	3429.88	ND	60.81	ND	NA	NA	NA	3369.07	
MW-9	10/28/11	3429.88	58.48	58.80	0.32	NA	<.25	10.00	3371.35	
MW-9	10/28/11	3429.88	ND	60.00	ND	NA	NA	NA	3369.88	
MW-9	11/02/11	3429.88	58.53	58.71	0.18	NA	0.10	14.90	3371.32	
MW-9	11/02/11	3429.88	ND	59.43	ND	NA	NA	NA	3370.45	
MW-9	11/09/11	3429.88	58.52	58.80	0.28	NA	0.10	4.90	3371.32	
MW-9	11/09/11	3429.88	ND	59.54	ND	NA	NA	NA	3370.34	
MW-9	11/18/11	3429.88	58.47	58.90	0.43	NA	0.10	4.90	3371.35	
MW-9	11/18/11	3429.88	ND	59.81	ND	NA	NA	NA	3370.07	
MW-9	11/23/11	3429.88	58.48	58.93	0.45	NA	0.10	9.90	3371.33	
MW-9	11/23/11	3429.88	ND	60.53	ND	NA	NA	NA	3369.35	
MW-9	11/29/11	3429.88	58.47	58.74	0.27	NA	NA	NA	3371.37	
MW-9	12/13/11	3429.88	58.35	59.23	0.88	NA	0.50	9.50	3371.40	
MW-9	12/13/11	3429.88	ND	60.93	ND	NA	NA	NA	3368.95	
MW-9	12/20/11	3429.88	58.44	58.82	0.38	NA	0.10	9.90	3371.38	
MW-9	12/20/11	3429.88	ND	58.98	ND	NA	NA	NA	3370.90	
MW-9	12/27/11	3429.88	58.46	58.76	0.30		0.10	9.90	3371.38	
MW-9	12/27/11	3429.88	ND	61.15	ND	NA	NA	NA	3368.73	
MW-9	01/04/12	3429.88	58.46	58.80	0.34	Hand Bailed	0.10	4.90	3371.37	
MW-9	01/04/12	3429.88	ND	59.84	ND	NA	NA	NA	3370.04	
MW-9	01/13/12	3429.88	58.44	59.07	0.63	Hand Bailed	0.10	9.90	3371.35	
MW-9	01/13/12	3429.88	ND	59.87	ND	NA	NA	NA	3370.01	
MW-9	01/18/12	3429.88	58.45	58.89	0.44		0.10	9.90	3371.36	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	01/18/12	3429.88	ND	62.15	ND	NA	NA	NA	3367.73	
MW-9	01/27/12	3429.88	58.46	58.84	0.38		0.10	9.90	3371.36	
MW-9	01/27/12	3429.88	ND	61.56	ND	NA	NA	NA	3368.32	
MW-9	02/02/12	3429.88	58.45	58.75	0.30		0.10	19.90	3371.39	
MW-9	02/02/12	3429.88	ND	61.90	ND	NA	NA	NA	3367.98	
MW-9	02/08/12	3429.88	58.49	58.78	0.29		0.10	9.90	3371.35	
MW-9	02/08/12	3429.88	ND	60.82	ND	NA	NA	NA	3369.06	
MW-9	02/15/12	3429.88	58.43	58.82	0.39		0.10	9.90	3371.39	
MW-9	02/15/12	3429.88	ND	65.11	ND	NA	NA	NA	3364.77	
MW-9	02/23/12	3429.88	58.42	58.81	0.39	NA	NA	NA	3371.40	
MW-9	02/29/12	3429.88	58.40	59.10	0.70		1.00	9.00	3371.38	
MW-9	02/29/12	3429.88	ND	61.06	ND	NA	NA	NA	3368.82	
MW-9	03/14/12	3429.88	58.47	58.88	0.41	NA	NA	NA	3371.35	
MW-9	03/21/12	3429.88	58.44	58.92	0.48		0.10	10.00	3371.37	
MW-9	03/21/12	3429.88	ND	60.38	ND	NA	NA	NA	3369.50	
MW-9	03/29/12	3429.88	58.52	58.75	0.23		0.10	14.90	3371.33	
MW-9	03/29/12	3429.88	ND	60.00	ND	NA	NA	NA	3369.88	
MW-9	04/03/12	3429.88	58.34	59.60	1.26		0.10	9.90	3371.35	
MW-9	04/03/12	3429.88	ND	60.50	ND	NA	NA	NA	3369.38	
MW-9	04/11/12	3429.88	58.30	58.82	0.52		0.10	9.90	3371.50	
MW-9	04/11/12	3429.88	ND	61.02	ND	NA	NA	NA	3368.86	
MW-9	04/20/12	3429.88	58.30	60.15	1.85		23.00	2.00	3371.30	
MW-9	04/20/12	3429.88	ND	61.06	ND	NA	NA	NA	3368.82	
MW-9	04/26/12	3429.88	58.45	58.82	0.37		0.10	14.90	3371.37	
MW-9	04/26/12	3429.88	ND	61.10	ND	NA	NA	NA	3368.78	
MW-9	05/02/12	3429.88	58.54	59.00	0.46		0.10	9.90	3371.27	
MW-9	05/02/12	3429.88	ND	60.58	ND	NA	NA	NA	3369.30	
MW-9	05/09/12	3429.88	58.49	58.83	0.34		0.10	14.90	3371.34	
MW-9	05/09/12	3429.88	ND	60.40	ND	NA	NA	NA	3369.48	
MW-9	05/16/12	3429.88	58.50	58.63	0.13		0.10	9.90	3371.36	
MW-9	05/16/12	3429.88	ND	60.11	ND	NA	NA	NA	3369.77	
MW-9	05/24/12	3429.88	58.44	59.14	0.70	NA	NA	NA	3371.34	
MW-9	05/29/12	3429.88	58.37	59.14	0.77		0.50	9.50	3371.39	
MW-9	05/29/12	3429.88	ND	61.13	ND	NA	NA	NA	3368.75	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
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 Hugh Gathering
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	06/06/12	3429.88	58.47	59.10	0.63		0.00	10.00	3371.32	
MW-9	06/06/12	3429.88	ND	60.45	ND	NA	NA	NA	3369.43	
MW-9	06/13/12	3429.88	58.40	59.11	0.71		0.00	10.00	3371.37	
MW-9	06/13/12	3429.88	ND	61.35	ND	NA	NA	NA	3368.53	
MW-9	06/19/12	3429.88	58.37	59.37	1.00				3371.36	
MW-9	06/19/12	3429.88	ND	60.54	ND	NA	NA	NA	3369.34	
MW-9	06/27/12	3429.88	58.52	59.02	0.50		0.10	9.90	3371.29	
MW-9	06/27/12	3429.88	ND	61.53	ND	NA	NA	NA	3368.35	
MW-9	07/05/12	3429.88	58.58	59.03	0.45	NA	0.10	15.00	3371.23	
MW-9	07/05/12	3429.88	ND	60.64	ND	NA	NA	NA	3369.24	
MW-9	07/11/12	3429.88	58.55	59.36	0.81	NA	0.10	20.00	3371.21	
MW-9	07/11/12	3429.88	ND	60.60	ND	NA	NA	NA	3369.28	
MW-9	07/18/12	3429.88	58.52	59.55	1.03	NA	1.00	14.00	3371.21	
MW-9	07/25/12	3429.88	58.61	58.92	0.31	NA	0.25	19.75	3371.22	
MW-9	07/31/12	3429.88	58.63	59.20	0.57	NA	1.00	19.00	3371.16	
MW-9	07/31/12	3429.88	ND	61.15	ND	NA	NA	NA	3368.73	
MW-9	08/08/12	3429.88	58.62	59.49	0.87	NA	NA	NA	3371.13	
MW-9	08/13/12	3429.88	58.69	59.10	0.41	NA	0.50	19.50	3371.13	
MW-9	08/13/12	3429.88	ND	59.61	ND	NA	NA	NA	3370.27	
MW-9	08/20/12	3429.88	58.70	58.98	0.28	NA	0.10	15.00	3371.14	
MW-9	09/05/12	3429.88	58.72	58.99	0.27	NA	0.10	20.00	3371.12	
MW-9	09/05/12	3429.88	ND	59.33	ND	NA	NA	NA	3370.55	
MW-9	09/12/12	3429.88	ND	58.60	ND	NA	NA	NA	3371.28	
MW-9	10/02/12	3429.88	58.75	58.97	0.22	NA	0.10	15.00	3371.10	
MW-9	10/02/12	3429.88	ND	60.85	ND	NA	0.10	15.00	3369.03	
MW-9	10/10/12	3429.88	58.70	59.17	0.47	NA	0.10	15.00	3371.11	
MW-9	10/10/12	3429.88	ND	60.62	ND	NA	0.10	15.00	3369.26	
MW-9	10/16/12	3429.88	58.67	59.30	0.63	NA	0.10	15.00	3371.12	
MW-9	10/24/12	3429.88	59.41	59.55	0.14	NA	0.10	15.00	3370.45	
MW-9	10/30/12	3429.88	58.70	59.20	0.50	NA	0.10	15.00	3371.11	
MW-9	11/06/12	3429.88	58.67	59.35	0.68	NA	0.10	10.00	3371.11	
MW-9	11/06/12	3429.88	ND	60.59	ND	NA	NA	NA	3369.29	
MW-9	11/13/12	3429.88	58.65	59.44	0.79	NA	0.50	9.50	3371.11	
MW-9	11/19/12	3429.88	58.78	58.93	0.15	NA	NA	NA	3371.08	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	12/05/12	3429.88	58.69	59.25	0.56	NA	0.50	9.50	3371.11	
MW-9	12/05/12	3429.88	ND	61.60	ND	NA	NA	NA	3368.28	
MW-9	12/11/12	3429.88	58.18	59.13	0.95	NA	0.10	10.00	3371.56	
MW-9	12/11/12	3429.88	ND	59.95	ND	NA	NA	NA	3369.93	
MW-9	01/03/13	3429.88	58.71	59.55	0.84	NA	NA	NA	3371.04	
MW-9	01/16/13	3429.88	58.66	59.70	1.04	NA	1.00	9.00	3371.06	
MW-9	01/16/13	3429.88	ND	60.86	ND	NA	NA	NA	3369.02	
MW-9	01/23/13	3429.88	58.78	58.95	0.17	NA	0.1	10	3371.07	
MW-9	01/23/13	3429.88	ND	60.92	ND	NA	NA	NA	3368.96	
MW-9	01/30/13	3429.88	58.79	59.10	0.31	NA	0.5	9.5	3371.04	
MW-9	01/30/13	3429.88	ND	60.07	ND	NA	NA	NA	3369.81	
MW-9	02/07/13	3429.88	58.76	59.22	0.46	NA	0.5	9.5	3371.05	
MW-9	02/07/13	3429.88	ND	60.52	ND	NA	NA	NA	3369.36	
MW-9	02/13/13	3429.88	58.70	59.28	0.58	NA	0.10	10.00	3371.09	
MW-9	02/13/13	3429.88	ND	60.58	ND	NA	NA	NA	3369.30	
MW-9	02/28/13	3429.88	58.78	58.92	0.14	NA	NA	NA	3371.08	
MW-9	03/05/13	3429.88	58.75	59.30	0.55	NA	0.10	10.00	3371.05	
MW-9	03/05/13	3429.88	ND	60.61	ND	NA	NA	NA	3369.27	
MW-9	03/15/13	3429.88	58.75	59.20	0.45	NA	0.10	10.00	3371.06	
MW-9	03/15/13	3429.88	ND	60.32	ND	NA	NA	NA	3369.56	
MW-9	03/21/13	3429.88	58.68	59.24	0.56	NA	NA	NA	3371.12	
MW-9	03/29/13	3429.88	58.72	59.41	0.69	NA	0.5	9.5	3371.06	
MW-9	03/29/13	3429.88	ND	60.21	ND	NA	NA	NA	3369.67	
MW-9	04/09/13	3429.88	58.67	59.55	0.88	NA	0.5	9.5	3371.08	
MW-9	04/09/13	3429.88	ND	61.05	ND	NA	NA	NA	3368.83	
MW-9	04/20/13	3429.88	58.72	58.82	0.10	NA	NA	1.00	3371.15	
MW-9	04/20/13	3429.88	ND	60.72	ND	NA	NA	NA	3369.16	
MW-9	04/23/13	3429.88	NG	NG	NG	NA	NA	NA	NG	Interface
MW-9	05/01/13	3429.88	59.63	59.65	0.02	NA	NA	NA	3370.25	
MW-9	05/15/13	3429.88	58.85	59.25	0.40	NA	0.1	10	3370.97	
MW-9	05/15/13	3429.88	ND	60.17	ND	NA	NA	NA	3369.71	
MW-9	05/21/13	3429.88	58.80	59.40	0.60	NA	0.5	9.5	3370.99	
MW-9	05/21/13	3429.88	ND	60.18	ND	NA	NA	NA	3369.70	
MW-9	06/04/13	3429.88	58.86	59.20	0.34	NA	0.25	9.75	3370.97	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-9	06/04/13	3429.88	ND	61.51	ND	NA	NA	NA	3368.37	
MW-9	06/13/13	3429.88	58.93	59.12	0.19	NA	NA	NA	3370.92	
MW-9	06/17/13	3429.88	58.89	59.13	0.24	NA	0.25	9.75	3370.95	
MW-9	06/26/13	3429.88	58.88	59.28	0.40	NA	NA	NA	3370.94	
MW-9	07/03/13	3429.88	58.86	59.40	0.54	NA	NA	NA	3370.94	
MW-9	07/10/13	3429.88	58.89	59.58	0.69	NA	NA	NA	3370.89	
MW-9	08/07/13	3429.88	58.76	58.94	0.18	NA	NA	NA	3371.09	
MW-9	08/14/13	3429.88	58.92	59.45	0.53	NA	NA	NA	3370.88	
MW-9	08/21/13	3429.88	58.93	59.73	0.80	NA	1.00	9.00	3370.83	
MW-9	08/28/13	3429.88	59.06	59.24	0.18	NA	0.5	9.50	3370.79	
MW-9	09/06/13	3429.88	59.06	59.43	0.37	NA	0.25	9.75	3370.76	
MW-9	09/11/13	3429.88	59.06	59.53	0.47	NA	NA	NA	3370.75	
MW-9	09/21/13	3429.88	59.11	59.37	0.26	NA	0.25	9.75	3370.73	
MW-9	09/28/13	3429.88	59.13	59.30	0.17	NA	NA	NA	3370.72	
MW-9	10/02/13	3429.88	59.10	59.35	0.25	NA	0.5	9.5	3370.74	
MW-9	10/11/13	3429.88	59.07	59.51	0.44	NA	0.5	9.5	3370.74	
MW-9	10/16/13	3429.88	59.05	59.20	0.15	NA	0.5	9.5	3370.81	
MW-9	10/30/13	3429.88	59.00	59.82	0.82	NA	0.5	9.5	3370.76	
MW-9	11/13/13	3429.88	59.05	59.36	0.31	NA	0.25	9.75	3370.78	
MW-9	11/20/13	3429.88	58.89	59.00	0.11	NA	0.5	9.5	3370.97	
MW-9	11/27/13	3429.88	59.01	59.27	0.26	NA	0.5	9	3370.83	
MW-9	12/13/13	3429.88	58.92	59.81	0.89	NA	NA	NA	3370.83	
MW-9	12/17/13	3429.88	58.95	59.90	0.95	NA	0.5	9.5	3370.79	
MW-10	02/21/07	3430.65	58.20	58.30	0.10	NA	NA	NA	3372.44	
MW-10	03/07/07	3430.65	58.19	58.29	0.10	NA	NA	NA	3372.45	Installed Sock
MW-10	03/14/07	3430.65	ND	58.46	ND	NA	NA	NA	3372.19	Flipped Sock
MW-10	03/21/07	3430.65	ND	58.42	ND	NA	NA	NA	3372.23	Sock
MW-10	03/28/07	3430.65	ND	58.72	ND	NA	NA	NA	3371.93	New Sock
MW-10	03/28/07	3430.65	ND	58.72	ND	NA	NA	NA	3371.93	New Sock
MW-10	04/03/07	3430.65	ND	58.30	ND	NA	NA	NA	3372.35	Sock
MW-10	04/10/07	3430.65	ND	58.38	ND	NA	NA	NA	3372.27	Sock
MW-10	04/18/07	3430.65	ND	58.17	ND	NA	NA	NA	3372.48	Flipped Sock
MW-10	04/24/07	3430.65	ND	58.23	ND	NA	NA	NA	3372.42	Sock

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							PSH	H ₂ O		
MW-10	05/03/07	3430.65	ND	58.24	ND	NA	NA	NA	3372.41	Sock
MW-10	05/11/07	3430.65	ND	58.26	ND	NA	NA	NA	3372.39	Sock
MW-10	05/16/07	3430.65	ND	58.32	ND	NA	NA	NA	3372.33	Sock
MW-10	05/23/07	3430.65	ND	58.32	ND	NA	NA	NA	3372.33	Sock
MW-10	05/31/07	3430.65	ND	58.31	ND	NA	NA	NA	3372.34	Sock
MW-10	06/06/07	3430.65	ND	58.18	ND	NA	NA	NA	3372.47	Sock
MW-10	06/13/07	3430.65	ND	58.35	ND	NA	NA	NA	3372.30	New Sock
MW-10	06/19/07	3430.65	ND	58.20	ND	NA	NA	NA	3372.45	Sock
MW-10	06/27/07	3430.65	ND	58.75	ND	NA	NA	NA	3371.90	Sock
MW-10	07/05/07	3430.65	ND	58.19	ND	NA	NA	NA	3372.46	Sock
MW-10	07/11/07	3430.65	ND	58.21	ND	NA	NA	NA	3372.44	Sock
MW-10	07/19/07	3430.65	ND	58.18	ND	NA	NA	NA	3372.47	Flipped Sock
MW-10	07/24/07	3430.65	ND	58.21	ND	NA	NA	NA	3372.44	Sock
MW-10	07/31/07	3430.65	ND	58.22	ND	NA	NA	NA	3372.43	Sock
MW-10	08/09/07	3430.65	ND	58.25	ND	NA	NA	NA	3372.40	Sock
MW-10	08/16/07	3430.65	ND	58.21	ND	NA	NA	NA	3372.44	Sock
MW-10	08/22/07	3430.65	ND	58.13	ND	NA	NA	NA	3372.52	Sock
MW-10	08/28/07	3430.65	ND	57.95	ND	NA	NA	NA	3372.70	New Sock
MW-10	09/06/07	3430.65	ND	57.74	ND	NA	NA	NA	3372.91	Sock
MW-10	09/13/07	3430.65	ND	58.29	ND	NA	NA	NA	3372.36	Sock
MW-10	09/18/07	3430.65	ND	58.27	ND	NA	NA	NA	3372.38	Sock
MW-10	09/26/07	3430.65	ND	58.32	ND	NA	NA	NA	3372.33	Sock
MW-10	10/04/07	3430.65	ND	58.38	ND	NA	NA	NA	3372.27	New Sock
MW-10	10/10/07	3430.65	ND	58.31	ND	NA	NA	NA	3372.34	New Sock
MW-10	10/17/07	3430.65	ND	58.32	ND	NA	NA	NA	3372.33	Sock
MW-10	10/24/07	3430.65	ND	58.30	ND	NA	NA	NA	3372.35	Sock
MW-10	10/31/07	3430.65	ND	58.33	ND	NA	NA	NA	3372.32	Sock
MW-10	11/07/07	3430.65	ND	58.40	ND	NA	NA	NA	3372.25	Sock
MW-10	11/13/07	3430.65	ND	58.28	ND	NA	NA	NA	3372.37	Sock
MW-10	11/20/07	3430.65	ND	58.31	ND	NA	NA	NA	3372.34	Flipped Sock
MW-10	11/27/07	3430.65	ND	58.29	ND	NA	NA	NA	3372.36	Sock
MW-10	12/05/07	3430.65	ND	58.29	ND	NA	NA	NA	3372.36	Sock
MW-10	12/12/07	3430.65	ND	58.28	ND	NA	NA	NA	3372.37	Sock
MW-10	12/18/07	3430.65	ND	58.31	ND	NA	NA	NA	3372.34	Sock

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							PSH	H ₂ O		
MW-10	12/27/07	3430.65	ND	58.26	ND	NA	NA	NA	3372.39	Sock
MW-10	01/03/08	3430.65	ND	58.28	ND	NA	NA	NA	3372.37	Sock
MW-10	01/09/08	3430.65	ND	58.17	ND	NA	NA	NA	3372.48	Sock
MW-10	01/17/08	3430.65	ND	58.22	ND	NA	NA	NA	3372.43	Sock
MW-10	01/23/08	3430.65	ND	58.25	ND	NA	NA	NA	3372.40	Sock
MW-10	01/30/08	3430.65	ND	58.28	ND	NA	NA	NA	3372.37	Sock
MW-10	02/06/08	3430.65	ND	58.15	ND	NA	NA	NA	3372.50	Sock
MW-10	02/13/08	3430.65	ND	58.18	ND	NA	NA	NA	3372.47	Sock
MW-10	02/19/08	3430.65	ND	58.19	ND	NA	NA	NA	3372.46	Sock
MW-10	02/27/08	3430.65	ND	58.20	ND	NA	NA	NA	3372.45	Sock
MW-10	03/04/08	3430.65	ND	58.26	ND	NA	NA	NA	3372.39	Sock
MW-10	03/12/08	3430.65	ND	58.19	ND	NA	NA	NA	3372.46	Sock
MW-10	03/19/08	3430.65	ND	58.22	ND	NA	NA	NA	3372.43	Sock
MW-10	03/26/08	3430.65	ND	58.21	ND	NA	NA	NA	3372.44	Sock
MW-10	04/02/08	3430.65	ND	58.23	ND	NA	NA	NA	3372.42	Sock
MW-10	04/09/08	3430.65	ND	58.23	ND	NA	NA	NA	3372.42	Sock
MW-10	04/16/08	3430.65	ND	58.27	ND	NA	NA	NA	3372.38	Sock
MW-10	04/24/08	3430.65	ND	58.20	ND	NA	NA	NA	3372.45	Sock
MW-10	04/30/08	3430.65	ND	58.22	ND	NA	NA	NA	3372.43	Sock
MW-10	05/07/08	3430.65	ND	58.24	ND	NA	NA	NA	3372.41	Sock
MW-10	05/14/08	3430.65	ND	58.28	ND	NA	NA	NA	3372.37	Sock
MW-10	05/20/08	3430.65	ND	58.32	ND	NA	NA	NA	3372.33	Sock
MW-10	05/29/08	3430.65	ND	58.33	ND	NA	NA	NA	3372.32	Sock
MW-10	06/04/08	3430.65	ND	58.37	ND	NA	NA	NA	3372.28	Sock
MW-10	06/11/08	3430.65	ND	58.41	ND	NA	NA	NA	3372.24	Sock
MW-10	06/18/08	3430.65	ND	58.43	ND	NA	NA	NA	3372.22	Sock
MW-10	06/26/08	3430.65	ND	58.49	ND	NA	NA	NA	3372.16	Sock
MW-10	07/02/08	3430.65	ND	58.52	ND	NA	NA	NA	3372.13	Sock
MW-10	07/07/08	3430.65	ND	58.45	ND	NA	NA	NA	3372.20	Sock
MW-10	07/16/08	3430.65	ND	58.48	ND	NA	NA	NA	3372.17	Sock
MW-10	07/21/08	3430.65	ND	58.52	ND	NA	NA	NA	3372.13	Sock
MW-10	07/29/08	3430.65	ND	58.55	ND	NA	NA	NA	3372.10	Sock
MW-10	08/06/08	3430.65	ND	58.55	ND	NA	NA	NA	3372.10	Sock
MW-10	08/13/08	3430.65	ND	58.55	ND	NA	NA	NA	3372.10	New Sock

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-10	08/18/08	3430.65	ND	58.40	ND	NA	NA	NA	3372.25	Sock
MW-10	08/27/08	3430.65	ND	58.42	ND	NA	NA	NA	3372.23	Sock
MW-10	09/02/08	3430.65	ND	58.46	ND	NA	NA	NA	3372.19	Sock
MW-10	09/09/08	3430.65	ND	58.50	ND	NA	NA	NA	3372.15	Sock
MW-10	09/17/08	3430.65	ND	58.38	ND	NA	NA	NA	3372.27	Sock
MW-10	09/24/08	3430.65	ND	58.38	ND	NA	NA	NA	3372.27	Sock
MW-10	10/01/08	3430.65	ND	58.34	ND	NA	NA	NA	3372.31	Sock
MW-10	10/08/08	3430.65	ND	58.36	ND	NA	NA	NA	3372.29	Sock
MW-10	10/15/08	3430.65	ND	58.38	ND	NA	NA	NA	3372.27	Sock
MW-10	10/22/08	3430.65	ND	58.34	ND	NA	NA	NA	3372.31	Sock
MW-10	10/29/08	3430.65	ND	58.36	ND	NA	NA	NA	3372.29	Sock
MW-10	11/05/08	3430.65	ND	58.30	ND	NA	NA	NA	3372.35	Sock
MW-10	11/20/08	3430.65	ND	58.42	ND	NA	NA	NA	3372.23	Sock
MW-10	11/26/08	3430.65	ND	58.37	ND	NA	NA	NA	3372.28	Sock
MW-10	12/03/08	3430.65	ND	58.39	ND	NA	NA	NA	3372.26	Sock
MW-10	12/10/08	3430.65	ND	58.43	ND	NA	NA	NA	3372.22	Sock
MW-10	12/17/08	3430.65	ND	58.51	ND	NA	NA	NA	3372.14	Sock
MW-10	12/21/08	3430.65	ND	58.45	ND	NA	NA	NA	3372.20	Sock
MW-10	12/31/08	3430.65	ND	58.45	ND	NA	NA	NA	3372.20	Sock
MW-10	01/02/09	3430.65	ND	58.45	ND	NA	NA	NA	3372.20	Sock
MW-10	01/07/09	3430.65	ND	58.41	ND	NA	NA	NA	3372.24	Sock
MW-10	01/15/09	3430.65	ND	58.42	ND	NA	NA	NA	3372.23	Sock
MW-10	01/22/09	3430.65	ND	58.34	ND	NA	NA	NA	3372.31	Flipped Sock
MW-10	02/04/09	3430.65	ND	58.31	ND	NA	NA	NA	3372.34	Sock
MW-10	02/11/09	3430.65	ND	58.38	ND	NA	NA	NA	3372.27	Sock
MW-10	02/18/09	3430.65	ND	58.33	ND	NA	NA	NA	3372.32	Sock
MW-10	02/25/09	3430.65	ND	58.30	ND	NA	NA	NA	3372.35	New sock
MW-10	03/04/09	3430.65	ND	58.30	ND	NA	NA	NA	3372.35	Sock
MW-10	03/11/09	3430.65	ND	58.34	ND	NA	NA	NA	3372.31	Sock
MW-10	03/18/09	3430.65	ND	58.28	ND	NA	NA	NA	3372.37	Sock
MW-10	03/25/09	3430.65	ND	58.33	ND	NA	NA	NA	3372.32	Sock
MW-10	04/01/09	3430.65	ND	58.30	ND	NA	NA	NA	3372.35	Sock
MW-10	04/08/09	3430.65	ND	57.31	ND	NA	NA	NA	3373.34	Sock
MW-10	04/15/09	3430.65	ND	58.89	ND	NA	NA	NA	3371.76	Sock

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							PSH	H ₂ O		
MW-10	04/22/09	3430.65	ND	58.30	ND	NA	NA	NA	3372.35	Sock
MW-10	05/06/09	3430.65	ND	58.29	ND	NA	NA	NA	3372.36	Sock
MW-10	05/14/09	3430.65	ND	58.38	ND	NA	NA	NA	3372.27	Sock
MW-10	05/20/09	3430.65	ND	58.29	ND	NA	NA	NA	3372.36	Sock
MW-10	05/27/09	3430.65	ND	58.37	ND	NA	NA	NA	3372.28	Sock
MW-10	06/03/09	3430.65	ND	58.31	ND	NA	NA	NA	3372.34	Sock
MW-10	06/11/09	3430.65	ND	58.35	ND	NA	NA	NA	3372.30	Sock
MW-10	06/17/09	3430.65	ND	58.43	ND	NA	NA	NA	3372.22	Sock
MW-10	06/23/09	3430.65	ND	58.43	ND	NA	NA	NA	3372.22	Sock
MW-10	07/01/09	3430.65	ND	58.44	ND	NA	NA	NA	3372.21	Sock
MW-10	07/07/09	3430.65	ND	58.42	ND	NA	NA	NA	3372.23	Sock
MW-10	07/15/09	3430.65	ND	58.46	ND	NA	NA	NA	3372.19	Sock
MW-10	07/22/09	3430.65	ND	58.44	ND	NA	NA	NA	3372.21	Sock
MW-10	07/29/09	3430.65	ND	58.54	ND	NA	NA	NA	3372.11	Sock
MW-10	08/05/09	3430.65	ND	58.53	ND	NA	NA	NA	3372.12	Sock
MW-10	08/12/09	3430.65	ND	58.53	ND	NA	NA	NA	3372.12	Sock
MW-10	08/19/09	3430.65	ND	58.49	ND	NA	NA	NA	3372.16	Sock
MW-10	08/27/09	3430.65	ND	58.54	ND	NA	NA	NA	3372.11	Sock
MW-10	09/02/09	3430.65	ND	58.51	ND	NA	NA	NA	3372.14	Sock
MW-10	09/09/09	3430.65	ND	58.54	ND	NA	NA	NA	3372.11	Sock
MW-10	09/16/09	3430.65	ND	58.61	ND	NA	NA	NA	3372.04	Sock
MW-10	09/23/09	3430.65	ND	58.61	ND	NA	NA	NA	3372.04	Sock
MW-10	09/30/09	3430.65	ND	58.60	ND	NA	NA	NA	3372.05	Sock
MW-10	10/07/09	3430.65	ND	58.62	ND	NA	NA	NA	3372.03	Sock
MW-10	10/14/09	3430.65	ND	58.63	ND	NA	NA	NA	3372.02	Sock
MW-10	10/21/09	3430.65	ND	58.60	ND	NA	NA	NA	3372.05	Sock
MW-10	10/29/09	3430.65	ND	58.60	ND	NA	NA	NA	3372.05	Sock
MW-10	11/04/09	3430.65	58.60	58.63	0.03	NA	NA	NA	3372.05	Sock
MW-10	11/11/09	3430.65	ND	58.65	ND	NA	NA	NA	3372.00	Sock
MW-10	11/17/09	3430.65	ND	58.56	ND	NA	NA	NA	3372.09	Flipped Sock
MW-10	11/25/09	3430.65	ND	58.62	ND	NA	NA	NA	3372.03	Sock
MW-10	12/02/09	3430.65	ND	58.59	ND	NA	NA	NA	3372.06	Sock
MW-10	12/09/09	3430.65	ND	58.69	ND	NA	NA	NA	3371.96	Sock
MW-10	12/16/09	3430.65	ND	58.62	ND	NA	NA	NA	3372.03	Sock

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							PSH	H ₂ O		
MW-10	12/23/09	3430.65	ND	58.25	ND	NA	NA	NA	3372.40	Sock
MW-10	12/30/09	3430.65	ND	58.64	ND	Pumped	0.10	4.90	3372.01	
MW-10	12/30/09	3430.65	ND	59.77	ND	NA	NA	NA	3370.88	
MW-10	01/06/10	3430.65	ND	58.65	ND	NA	NA	NA	3372.00	
MW-10	01/13/10	3430.65	ND	58.64	ND	NA	NA	NA	3372.01	
MW-10	01/20/10	3430.65	ND	58.59	ND	NA	NA	NA	3372.06	
MW-10	01/27/10	3430.65	ND	58.67	ND	NA	NA	NA	3371.98	
MW-10	02/11/10	3430.65	ND	58.66	ND	NA	NA	NA	3371.99	
MW-10	02/17/10	3430.65	ND	58.68	ND	NA	NA	NA	3371.97	
MW-10	03/02/10	3430.65	ND	58.51	ND	NA	NA	NA	3372.14	
MW-10	03/10/10	3430.65	ND	58.50	ND	NA	NA	NA	3372.15	
MW-10	03/17/10	3430.65	ND	58.55	ND	NA	NA	NA	3372.10	
MW-10	03/24/10	3430.65	ND	58.58	ND	NA	NA	NA	3372.07	
MW-10	03/31/10	3430.65	ND	58.49	ND	NA	NA	NA	3372.16	
MW-10	04/07/10	3430.65	ND	58.54	ND	NA	NA	NA	3372.11	
MW-10	04/14/10	3430.65	ND	58.50	ND	NA	NA	NA	3372.15	
MW-10	04/21/10	3430.65	ND	58.55	ND	NA	NA	NA	3372.10	
MW-10	04/28/10	3430.65	ND	58.50	ND	NA	NA	NA	3372.15	
MW-10	05/05/10	3430.65	ND	58.49	ND	NA	NA	NA	3372.16	
MW-10	05/12/10	3430.65	ND	58.47	ND	NA	NA	NA	3372.18	
MW-10	05/19/10	3430.65	ND	58.59	ND	NA	NA	NA	3372.06	
MW-10	05/29/10	3430.65	ND	58.61	ND	NA	NA	NA	3372.04	
MW-10	06/02/10	3430.65	ND	58.60	ND	NA	NA	NA	3372.05	
MW-10	06/12/10	3430.65	ND	58.66	ND	NA	NA	NA	3371.99	
MW-10	06/15/10	3430.65	ND	58.57	ND	NA	NA	NA	3372.08	
MW-10	06/25/10	3430.65	ND	58.68	ND		0.00	5.00	3371.97	
MW-10	06/25/10	3430.65	ND	60.95	ND	NA	NA	NA	3369.70	
MW-10	06/30/10	3430.65	ND	58.69	ND	NA	NA	NA	3371.96	
MW-10	07/07/10	3430.65	ND	58.68	ND	NA	NA	NA	3371.97	
MW-10	07/14/10	3430.65	ND	58.68	ND	NA	NA	NA	3371.97	
MW-10	07/21/10	3430.65	ND	58.66	ND	NA	NA	NA	3371.99	
MW-10	07/28/10	3430.65	ND	58.64	ND	NA	NA	NA	3372.01	
MW-10	08/03/10	3430.65	58.63	58.64	0.01	Pumped	0.10	9.90	3372.02	
MW-10	08/03/10	3430.65	ND	59.82	ND	NA	NA	NA	3370.83	

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							PSH	H ₂ O		
MW-10	08/11/10	3430.65	58.61	58.62	0.01	Pumped	0.10	9.90	3372.04	
MW-10	08/11/10	3430.65	ND	59.63	ND	NA	NA	NA	3371.02	
MW-10	08/18/10	3430.65	ND	58.63	ND	NA	NA	NA	3372.02	
MW-10	08/25/10	3430.65	58.63	58.64	0.01	NA	NA	NA	3372.02	
MW-10	09/01/10	3430.65	58.63	58.64	0.01	NA	NA	NA	3372.02	
MW-10	09/08/10	3430.65	58.59	58.60	0.01	Pumped	0.10	9.90	3372.06	
MW-10	09/08/10	3430.65	ND	60.15	ND	NA	NA	NA	3370.50	
MW-10	09/15/10	3430.65	58.58	58.59	0.01	Pumped	0.10	9.90	3372.07	
MW-10	09/15/10	3430.65	ND	59.44	ND	NA	NA	NA	3371.21	
MW-10	09/21/10	3430.65	58.59	58.60	0.01	NA	NA	NA	3372.06	
MW-10	10/01/10	3430.65	58.63	58.64	0.01	NA	NA	NA	3372.02	
MW-10	10/06/10	3430.65	58.63	58.64	0.01	NA	NA	NA	3372.02	
MW-10	10/13/10	3430.65	58.62	58.63	0.01	NA	NA	NA	3372.03	
MW-10	10/22/10	3430.65	58.61	58.62	0.01	NA	NA	NA	3372.04	
MW-10	10/27/10	3430.65	58.59	58.60	0.01	NA	NA	NA	3372.06	
MW-10	11/03/10	3430.65	58.61	58.62	0.01	NA	NA	NA	3372.04	
MW-10	11/10/10	3430.65	58.54	58.55	0.01	Pumped	0.10	9.90	3372.11	
MW-10	11/10/10	3430.65	ND	59.99	ND	NA	NA	NA	3370.66	
MW-10	11/16/10	3430.65	58.58	58.59	0.01	Pumped	0.10	9.90	3372.07	
MW-10	11/16/10	3430.65	ND	59.50	ND	NA	NA	NA	3371.15	
MW-10	11/23/10	3430.65	58.50	58.51	0.01	NA	NA	NA	3372.15	
MW-10	12/01/10	3430.65	ND	58.54	ND	NA	NA	NA	3372.11	
MW-10	12/08/10	3430.65	58.51	58.52	0.01	Pumped	0.10	14.90	3372.14	
MW-10	12/08/10	3430.65	ND	60.74	ND	NA	NA	NA	3369.91	
MW-10	12/15/10	3430.65	58.47	58.48	0.01	NA	NA	NA	3372.18	
MW-10	12/21/10	3430.65	58.52	58.53	0.01	NA	NA	NA	3372.13	
MW-10	01/08/11	3430.65	58.52	58.53	0.01	NA	NA	NA	3372.13	
MW-10	01/12/11	3430.65	ND	58.57	ND	NA	NA	NA	3372.08	droplets on probe
MW-10	01/19/11	3430.65	58.48	58.49	0.01	NA	NA	NA	3372.17	
MW-10	01/25/11	3430.65	ND	58.52	ND	NA	NA	NA	3372.13	
MW-10	02/04/11	3430.65	58.52	58.53	0.01	NA	NA	NA	3372.13	
MW-10	02/08/11	3430.65	58.49	58.50	0.01	NA	NA	NA	3372.16	
MW-10	02/16/11	3430.65	58.50	58.51	0.01	NA	NA	NA	3372.15	
MW-10	02/24/11	3430.65	58.57	58.58	0.01	NA	NA	NA	3372.08	

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							PSH	H ₂ O		
MW-10	03/02/11	3430.65	58.53	58.54	0.01	NA	NA	NA	3372.12	
MW-10	03/08/11	3430.65	58.54	58.55	0.01	NA	NA	NA	3372.11	
MW-10	03/16/11	3430.65	58.54	58.55	0.01	NA	NA	NA	3372.11	
MW-10	03/23/11	3430.65	58.58	58.59	0.01	NA	NA	NA	3372.07	
MW-10	03/30/11	3430.65	ND	58.56	ND	NA	NA	NA	3372.09	
MW-10	04/08/11	3430.65	58.56	58.57	0.01	NA	NA	NA	3372.09	
MW-10	04/13/11	3430.65	58.55	58.56	0.01	NA	NA	NA	3372.10	
MW-10	04/20/11	3430.65	Sheen	58.58	Sheen	NA	NA	NA	3372.07	
MW-10	04/27/11	3430.65	58.61	58.62	0.01	NA	NA	NA	3372.04	
MW-10	05/04/11	3430.65	58.58	58.59	0.01	NA	NA	NA	3372.07	
MW-10	05/11/11	3430.65	58.61	58.62	0.01		0.10	14.90	3372.04	
MW-10	05/11/11	3430.65	ND	60.89	ND	NA	NA	NA	3369.76	
MW-10	05/19/11	3430.65	58.62	58.63	0.01	NA	NA	NA	3372.03	
MW-10	05/24/11	3430.65	58.62	58.63	0.01	NA	NA	NA	3372.03	
MW-10	06/03/11	3430.65	58.79	58.80	0.01	NA	NA	NA	3371.86	Sampled
MW-10	06/08/11	3430.65	58.81	58.82	0.01	NA	NA	NA	3371.84	
MW-10	06/21/11	3430.65	Sheen	58.73	Sheen	NA	NA	NA	3371.92	
MW-10	06/29/11	3430.65	58.85	58.86	0.01	NA	NA	NA	3371.80	
MW-10	07/06/11	3430.65	58.90	58.91	0.01	NA	NA	NA	3371.75	
MW-10	07/13/11	3430.65	58.88	58.89	0.01	NA	NA	NA	3371.77	
MW-10	07/21/11	3430.65	58.93	58.94	0.01	NA	NA	NA	3371.72	
MW-10	07/27/11	3430.65	58.94	58.95	0.01	NA	NA	NA	3371.71	
MW-10	08/03/11	3430.65	58.98	58.99	0.01	NA	NA	NA	3371.67	
MW-10	08/11/11	3430.65	59.01	59.02	0.01	NA	NA	NA	3371.64	
MW-10	08/17/11	3430.65	58.93	58.94	0.01	NA	NA	NA	3371.72	
MW-10	08/24/11	3430.65	59.07	59.08	0.01	NA	NA	NA	3371.58	
MW-10	08/29/11	3430.65	59.06	59.07	0.01	NA	NA	NA	3371.59	
MW-10	09/07/11	3430.65	59.10	59.11	0.01	NA	NA	NA	3371.55	
MW-10	09/14/11	3430.65	58.90	58.91	0.01	NA	NA	NA	3371.75	
MW-10	09/21/11	3430.65	59.13	59.14	0.01	NA	NA	NA	3371.52	
MW-10	09/26/11	3430.65	59.12	59.13	0.01	NA	NA	NA	3371.53	
MW-10	10/05/11	3430.65	59.09	59.10	0.01	NA	NA	NA	3371.56	
MW-10	10/12/11	3430.65	59.15	59.16	0.01		0.10	4.90	3371.50	
MW-10	10/12/11	3430.65	ND	61.19	ND	NA	NA	NA	3369.46	

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							PSH	H ₂ O		
MW-10	10/18/11	3430.65	Heavy Sheen	59.16	Heavy Sheen	NA	NA	NA	3371.49	sheen on probe
MW-10	10/28/11	3430.65	59.17	59.18	0.01	NA	NA	NA	3371.48	
MW-10	11/02/11	3430.65	59.21	59.22	0.01	NA	NA	NA	3371.44	
MW-10	11/09/11	3430.65	59.20	59.21	0.01		0.10	4.90	3371.45	
MW-10	11/09/11	3430.65	ND	60.38	ND	NA	NA	NA	3370.27	
MW-10	11/18/11	3430.65	59.15	59.16	0.01	NA	NA	NA	3371.50	
MW-10	11/23/11	3430.65	59.21	59.22	0.01	NA	NA	NA	3371.44	
MW-10	11/29/11	3430.65	59.17	59.18	0.01	NA	NA	NA	3371.48	
MW-10	12/13/11	3430.65	59.17	59.18	0.01	NA	NA	NA	3371.48	
MW-10	12/20/11	3430.65	59.17	59.18	0.01	NA	NA	NA	3371.48	
MW-10	12/27/11	3430.65	59.12	59.13	0.01	NA	NA	NA	3371.53	
MW-10	01/04/12	3430.65	59.18	59.19	0.01	NA	NA	NA	3371.47	
MW-10	01/13/12	3430.65	59.18	59.19	0.01	NA	NA	NA	3371.47	
MW-10	01/18/12	3430.65	59.07	59.08	0.01	NA	NA	NA	3371.58	
MW-10	01/27/12	3430.65	59.18	59.20	0.02	NA	NA	NA	3371.47	
MW-10	02/02/12	3430.65	59.15	59.16	0.01		0.10	9.90	3371.50	
MW-10	02/02/12	3430.65	ND	60.98	ND	NA	NA	NA	3369.67	
MW-10	02/08/12	3430.65	59.18	59.19	0.01	NA	NA	NA	3371.47	
MW-10	02/15/12	3430.65	59.19	59.20	0.01	NA	NA	NA	3371.46	
MW-10	02/23/12	3430.65	59.14	59.15	0.01	NA	NA	NA	3371.51	
MW-10	02/29/12	3430.65	59.18	59.21	0.03		0.10	4.90	3371.47	
MW-10	02/29/12	3430.65	ND	60.97	ND	NA	NA	NA	3369.68	
MW-10	03/14/12	3430.65	59.22	59.25	0.03	NA	NA	NA	3371.43	
MW-10	03/21/12	3430.65	59.15	59.60	0.45	NA	NA	NA	3371.43	
MW-10	04/03/12	3430.65	59.19	59.20	0.01	NA	NA	NA	3371.46	
MW-10	04/11/12	3430.65	59.21	59.22	0.01	NA	NA	NA	3371.44	
MW-10	04/20/12	3430.65	59.25	59.27	0.02	NA	NA	NA	3371.40	
MW-10	04/26/12	3430.65	59.18	59.19	0.01	NA	NA	NA	3371.47	
MW-10	05/02/12	3430.65	59.20	59.21	0.01	NA	NA	NA	3371.45	
MW-10	05/09/12	3430.65	59.22	59.24	0.02	NA	NA	NA	3371.43	
MW-10	05/16/12	3430.65	59.26	59.27	0.01	NA	NA	NA	3371.39	
MW-10	05/24/12	3430.65	59.22	59.25	0.03	NA	NA	NA	3371.43	
MW-10	05/29/12	3430.65	59.15	59.16	0.01	NA	NA	NA	3371.50	
MW-10	06/06/12	3430.65	59.20	59.35	0.15	NA	NA	NA	3371.43	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-10	06/13/12	3430.65	59.18	59.20	0.02	NA	NA	NA	3371.47	
MW-10	06/19/12	3430.65	59.19	59.28	0.09	NA	NA	NA	3371.45	
MW-10	06/27/12	3430.65	59.24	59.35	0.11		0.00	5.00	3371.39	
MW-10	06/27/12	3430.65	ND	59.38	ND	NA	NA	NA	3371.27	
MW-10	07/05/12	3430.65	59.33	59.35	0.02	NA	NA	NA	3371.32	
MW-10	07/11/12	3430.65	59.32	59.35	0.03	NA	NA	NA	3371.33	
MW-10	07/18/12	3430.65	59.34	59.35	0.01	NA	NA	NA	3371.31	
MW-10	07/25/12	3430.65	59.32	59.34	0.02	NA	0.10	10.00	3371.33	
MW-10	07/31/12	3430.65	59.36	59.40	0.04	NA	0.10	10.00	3371.28	
MW-10	07/31/12	3430.65	ND	60.62	ND	NA	NA	NA	3370.03	
MW-10	08/08/12	3430.65	59.40	59.48	0.08	NA	NA	NA	3371.24	
MW-10	08/13/12	3430.65	59.41	59.56	0.15	NA	0.10	10.00	3371.22	
MW-10	08/13/12	3430.65	ND	60.11	ND	NA	NA	NA	3370.54	
MW-10	08/20/12	3430.65	Sheen	59.42	Sheen	NA	0.10	10.00	3371.23	
MW-10	08/20/12	3430.65	ND	60.03	ND	NA	NA	NA	3370.62	
MW-10	09/05/12	3430.65	59.42	59.48	0.06	NA	NA	10.00	3371.22	
MW-10	09/05/12	3430.65	ND	60.19	ND	NA	NA	NA	3370.46	
MW-10	09/12/12	3430.65	ND	59.43	ND	NA	NA	NA	3371.22	
MW-10	10/02/12	3430.65	59.44	59.48	0.04	NA	NA	NA	3371.20	
MW-10	10/10/12	3430.65	59.44	59.46	0.02	NA	NA	NA	3371.21	
MW-10	10/16/12	3430.65	59.42	59.45	0.03	NA	NA	NA	3371.23	
MW-10	10/24/12	3430.65	59.41	59.50	0.09	NA	NA	NA	3371.23	
MW-10	10/30/12	3430.65	59.46	59.50	0.04	NA	NA	NA	3371.18	
MW-10	11/06/12	3430.65	59.45	59.48	0.03	NA	NA	NA	3371.20	
MW-10	11/13/12	3430.65	59.78	59.82	0.04	NA	NA	NA	3370.86	
MW-10	11/19/12	3430.65	59.48	59.50	0.02	NA	NA	NA	3371.17	
MW-10	12/05/12	3430.65	59.48	59.48	0.00	NA	NA	NA	3371.17	
MW-10	12/11/12	3430.65	59.49	59.50	0.01	NA	NA	NA	3371.16	
MW-10	01/03/13	3430.65	59.50	59.55	0.05	NA	NA	NA	3371.14	
MW-10	01/16/13	3430.65	59.49	59.57	0.08	NA	NA	NA	3371.15	
MW-10	01/23/13	3430.65	59.46	59.56	0.10	NA	NA	NA	3371.18	
MW-10	01/30/13	3430.65	59.50	59.54	0.04	NA	NA	NA	3371.14	
MW-10	02/07/13	3430.65	59.49	59.50	0.01	NA	NA	NA	3371.16	
MW-10	02/13/13	3430.65	59.50	59.55	0.05	NA	0.10	10.00	3371.14	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-10	02/13/13	3430.65	ND	61.42	ND	NA	NA	NA	3369.23	
MW-10	02/28/13	3430.65	59.50	59.51	0.01	NA	NA	NA	3371.15	
MW-10	03/05/13	3430.65	59.56	59.57	0.01	NA	NA	NA	3371.09	
MW-10	03/15/13	3430.65	59.53	59.55	0.02	NA	NA	NA	3371.12	
MW-10	03/21/13	3430.65	59.46	59.47	0.01	NA	NA	NA	3371.19	
MW-10	03/29/13	3430.65	59.51	59.52	0.01	NA	NA	NA	3371.14	
MW-10	04/09/13	3430.65	59.53	59.55	0.02	NA	NA	NA	3371.12	
MW-10	04/20/13	3430.65	59.60	59.62	0.02	NA	NA	NA	3371.05	
MW-10	04/23/13	3430.65	NG	NG	NG	NA	NA	NA	NG	Interface
MW-10	05/01/13	3430.65	59.63	59.65	0.02	NA	NA	NA	3371.02	
MW-10	05/15/13	3430.65	59.55	59.57	0.02	NA	NA	NA	3371.10	
MW-10	05/21/13	3430.65	59.46	59.48	0.02	NA	NA	NA	3371.19	
MW-10	06/04/13	3430.65	59.57	59.65	0.08	NA	0.25	9.75	3371.07	
MW-10	06/04/13	3430.65	ND	61.95	ND	NA	NA	NA	3368.70	
MW-10	06/13/13	3430.65	59.63	59.73	0.10	NA	NA	NA	3371.01	
MW-10	06/17/13	3430.65	59.60	59.62	0.02	NA	0.10	10.00	3371.05	
MW-10	06/26/13	3430.65	59.60	59.61	0.01	NA	NA	NA	3371.05	
MW-10	07/03/13	3430.65	59.62	59.65	0.03	NA	NA	NA	3371.03	
MW-10	07/10/13	3430.65	59.65	59.66	0.01	NA	NA	NA	3371.00	
MW-10	08/07/13	3430.65	59.62	59.64	0.02	NA	NA	NA	3371.03	
MW-10	08/14/13	3430.65	59.68	59.70	0.02	NA	NA	NA	3370.97	
MW-10	08/21/13	3430.65	59.73	59.75	0.02	NA	NA	NA	3370.92	
MW-10	08/28/13	3430.65	59.77	59.78	0.01	NA	NA	NA	3370.88	
MW-10	09/06/13	3430.65	59.76	59.77	0.01	NA	NA	NA	3370.89	
MW-10	09/11/13	3430.65	59.78	59.79	0.01	NA	NA	NA	3370.87	
MW-10	09/21/13	3430.65	59.78	59.79	0.01	NA	NA	NA	3370.87	
MW-10	09/28/13	3430.65	59.81	59.83	0.02	NA	NA	NA	3370.84	
MW-10	10/02/13	3430.65	59.78	59.80	0.02	NA	NA	NA	3370.87	
MW-10	10/11/13	3430.65	59.80	59.82	0.02	NA	NA	NA	3370.85	
MW-10	10/16/13	3430.65	59.78	59.79	0.01	NA	NA	NA	3370.87	
MW-10	10/30/13	3430.65	59.78	59.85	0.07	NA	NA	NA	3370.86	
MW-10	11/13/13	3430.65	59.75	59.76	0.01	NA	NA	NA	3370.90	
MW-10	11/20/13	3430.65	59.62	59.63	0.01	NA	NA	NA	3371.03	
MW-10	11/27/13	3430.65	59.63	59.75	0.12	NA	NA	NA	3371.00	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-10	12/13/13	3430.65	59.71	59.72	0.01	NA	NA	NA	3370.94	
MW-10	12/17/13	3430.65	59.72	59.74	0.02	NA	NA	NA	3370.93	
MW-11	02/21/07	3430.94	ND	58.52	ND	NA	NA	NA	3372.42	
MW-11	03/01/07	3430.94	ND	58.48	ND	NA	NA	NA	3372.46	Sampled
MW-11	04/03/07	3430.94	ND	58.54	ND	NA	NA	NA	3372.40	
MW-11	05/03/07	3430.94	ND	58.45	ND	NA	NA	NA	3372.49	
MW-11	05/31/07	3430.94	ND	58.42	ND	NA	NA	NA	3372.52	Sampled
MW-11	06/06/07	3430.94	ND	58.46	ND	NA	NA	NA	3372.48	
MW-11	07/05/07	3430.94	ND	58.45	ND	NA	NA	NA	3372.49	
MW-11	07/31/07	3430.94	ND	58.48	ND	NA	NA	NA	3372.46	
MW-11	09/06/07	3430.94	ND	58.48	ND	NA	NA	NA	3372.46	Sampled
MW-11	10/04/07	3430.94	ND	58.53	ND	NA	NA	NA	3372.41	
MW-11	11/13/07	3430.94	ND	58.45	ND	NA	NA	NA	3372.49	Sampled
MW-11	12/05/07	3430.94	ND	58.50	ND	NA	NA	NA	3372.44	
MW-11	01/09/08	3430.94	ND	58.45	ND	NA	NA	NA	3372.49	
MW-11	02/08/08	3430.94	ND	58.48	ND	NA	NA	NA	3372.46	
MW-11	02/26/08	3430.94	ND	58.48	ND	NA	NA	NA	3372.46	Sampled
MW-11	04/02/08	3430.94	ND	58.45	ND	NA	NA	NA	3372.49	
MW-11	05/29/08	3430.94	ND	58.48	ND	NA	NA	NA	3372.46	Sampled
MW-11	06/26/08	3430.94	ND	58.63	ND	NA	NA	NA	3372.31	
MW-11	07/07/08	3430.94	ND	58.53	ND	NA	NA	NA	3372.41	
MW-11	08/18/08	3430.94	ND	58.50	ND	NA	NA	NA	3372.44	Sampled
MW-11	10/15/08	3430.94	ND	58.63	ND	NA	NA	NA	3372.31	
MW-11	11/20/08	3430.94	ND	58.61	ND	NA	NA	NA	3372.33	Sampled
MW-11	12/21/08	3430.94	ND	58.65	ND	NA	NA	NA	3372.29	
MW-11	01/07/09	3430.94	ND	58.53	ND	NA	NA	NA	3372.41	
MW-11	02/04/09	3430.94	ND	58.59	ND	NA	NA	NA	3372.35	
MW-11	02/18/09	3430.94	ND	58.56	ND	NA	NA	NA	3372.38	Sampled
MW-11	03/04/09	3430.94	ND	58.57	ND	NA	NA	NA	3372.37	
MW-11	04/08/09	3430.94	ND	58.56	ND	NA	NA	NA	3372.38	
MW-11	05/06/09	3430.94	ND	58.52	ND	NA	NA	NA	3372.42	
MW-11	05/20/09	3430.94	ND	58.52	ND	NA	NA	NA	3372.42	Sampled
MW-11	06/03/09	3430.94	ND	58.55	ND	NA	NA	NA	3372.39	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-11	07/15/09	3430.94	ND	58.73	ND	NA	NA	NA	3372.21	
MW-11	08/05/09	3430.94	ND	58.28	ND	NA	NA	NA	3372.66	
MW-11	08/27/09	3430.94	ND	58.75	ND	NA	NA	NA	3372.19	Sampled
MW-11	09/02/09	3430.94	ND	58.74	ND	NA	NA	NA	3372.20	
MW-11	10/07/09	3430.94	ND	58.74	ND	NA	NA	NA	3372.20	
MW-11	11/04/09	3430.94	ND	58.76	ND	NA	NA	NA	3372.18	
MW-11	11/17/09	3430.94	ND	58.78	ND	NA	NA	NA	3372.16	Sampled
MW-11	12/02/09	3430.94	ND	58.76	ND	NA	NA	NA	3372.18	
MW-11	01/06/10	3430.94	ND	58.73	ND	NA	NA	NA	3372.21	
MW-11	02/11/10	3430.94	ND	58.74	ND	NA	NA	NA	3372.20	Sampled
MW-11	03/10/10	3430.94	ND	58.72	ND	NA	NA	NA	3372.22	
MW-11	04/07/10	3430.94	ND	58.74	ND	NA	NA	NA	3372.20	
MW-11	05/05/10	3430.94	ND	58.75	ND	NA	NA	NA	3372.19	
MW-11	05/12/10	3430.94	ND	58.75	ND	NA	NA	NA	3372.19	Sampled
MW-11	06/02/10	3430.94	ND	58.77	ND	NA	NA	NA	3372.17	
MW-11	07/07/10	3430.94	ND	58.84	ND	NA	NA	NA	3372.10	
MW-11	08/03/10	3430.94	ND	58.79	ND	NA	NA	NA	3372.15	
MW-11	08/26/10	3430.94	ND	58.78	ND	NA	NA	NA	3372.16	Sampled
MW-11	09/01/10	3430.94	ND	58.76	ND	NA	NA	NA	3372.18	
MW-11	10/13/10	3430.94	ND	58.81	ND	NA	NA	NA	3372.13	
MW-11	11/18/10	3430.94	ND	58.86	ND	NA	NA	NA	3372.08	Sampled
MW-11	11/23/10	3430.94	ND	58.79	ND	NA	NA	NA	3372.15	
MW-11	12/08/10	3430.94	ND	58.82	ND	NA	NA	NA	3372.12	
MW-11	01/12/11	3430.94	ND	58.80	ND	NA	NA	NA	3372.14	
MW-11	02/08/11	3430.94	ND	58.80	ND	NA	NA	NA	3372.14	
MW-11	02/24/11	3430.94	ND	58.86	ND	NA	NA	NA	3372.08	Sampled
MW-11	03/08/11	3430.94	ND	58.84	ND	NA	NA	NA	3372.10	
MW-11	04/13/11	3430.94	ND	58.91	ND	NA	NA	NA	3372.03	
MW-11	06/02/11	3430.94	ND	58.95	ND	NA	NA	NA	3371.99	
MW-11	06/03/11	3430.94	ND	59.01	ND	NA	NA	NA	3371.93	Sampled
MW-11	07/27/11	3430.94	ND	59.12	ND	NA	NA	NA	3371.82	
MW-11	08/29/11	3430.94	ND	59.21	ND	NA	NA	NA	3371.73	Sampled
MW-11	09/14/11	3430.94	ND	59.32	ND	NA	NA	NA	3371.62	
MW-11	10/12/11	3430.94	ND	59.34	ND	NA	NA	NA	3371.60	

TABLE 2
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							PSH	H ₂ O		
MW-11	11/29/11	3430.94	ND	59.38	ND	NA	NA	NA	3371.56	Sampled
MW-11	12/27/11	3430.94	ND	59.33	ND	NA	NA	NA	3371.61	
MW-11	01/18/12	3430.94	ND	59.35	ND	NA	NA	NA	3371.59	
MW-11	02/23/12	3430.94	ND	59.33	ND	NA	NA	NA	3371.61	
MW-11	04/20/12	3430.94	ND	59.40	ND	NA	NA	NA	3371.54	
MW-11	05/24/12	3430.94	ND	59.41	ND	NA	NA	NA	3371.53	
MW-11	07/18/12	3430.94	ND	59.61	ND	NA	NA	NA	3371.33	
MW-11	09/12/12	3430.94	ND	59.68	ND	NA	NA	NA	3371.26	
MW-11	10/16/12	3430.94	ND	59.70	ND	NA	NA	NA	3371.24	
MW-11	11/19/12	3430.94	ND	59.76	ND	NA	NA	NA	3371.18	
MW-11	12/11/12	3430.94	ND	59.76	ND	NA	NA	NA	3371.18	
MW-11	02/28/13	3430.94	ND	59.79	ND	NA	NA	NA	3371.15	Sampled
MW-11	06/13/13	3430.94	ND	59.91	ND	NA	NA	NA	3371.03	Sampled
MW-11	08/14/13	3430.94	ND	59.97	ND	NA	NA	NA	3370.97	
MW-11	09/11/13	3430.94	ND	60.06	ND	NA	NA	NA	3370.88	
MW-11	12/13/13	3430.94	ND	60.02	ND	NA	NA	NA	3370.92	
MW-12	02/21/07	3426.47	ND	54.58	ND	NA	NA	NA	3371.89	
MW-12	03/01/07	3426.47	ND	54.52	ND	NA	NA	NA	3371.95	Sampled
MW-12	04/02/07	3426.47	ND	54.57	ND	NA	NA	NA	3371.90	
MW-12	05/03/07	3426.47	ND	54.50	ND	NA	NA	NA	3371.97	
MW-12	05/31/07	3426.47	ND	54.51	ND	NA	NA	NA	3371.96	Sampled
MW-12	06/06/07	3426.47	ND	54.53	ND	NA	NA	NA	3371.94	
MW-12	07/05/07	3426.47	ND	54.50	ND	NA	NA	NA	3371.97	
MW-12	07/31/07	3426.47	ND	54.50	ND	NA	NA	NA	3371.97	
MW-12	09/06/07	3426.47	ND	54.53	ND	NA	NA	NA	3371.94	Sampled
MW-12	10/04/07	3426.47	ND	54.56	ND	NA	NA	NA	3371.91	
MW-12	11/13/07	3426.47	ND	54.52	ND	NA	NA	NA	3371.95	Sampled
MW-12	12/05/07	3426.47	ND	54.56	ND	NA	NA	NA	3371.91	
MW-12	01/09/08	3426.47	ND	54.58	ND	NA	NA	NA	3371.89	
MW-12	02/26/08	3426.47	ND	54.50	ND	NA	NA	NA	3371.97	Sampled
MW-12	04/02/08	3426.47	ND	NG	ND	NA	NA	NA	NG	
MW-12	05/29/08	3426.47	ND	54.48	ND	NA	NA	NA	3371.99	Sampled
MW-12	06/26/08	3426.47	ND	54.65	ND	NA	NA	NA	3371.82	

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							PSH	H ₂ O		
MW-12	07/07/08	3426.47	ND	54.57	ND	NA	NA	NA	3371.90	
MW-12	08/18/08	3426.47	ND	54.64	ND	NA	NA	NA	3371.83	Sampled
MW-12	10/15/08	3426.47	ND	54.68	ND	NA	NA	NA	3371.79	
MW-12	11/20/08	3426.47	ND	54.69	ND	NA	NA	NA	3371.78	Sampled
MW-12	12/21/08	3426.47	ND	54.70	ND	NA	NA	NA	3371.77	
MW-12	01/07/09	3426.47	ND	54.64	ND	NA	NA	NA	3371.83	
MW-12	02/04/09	3426.47	ND	54.63	ND	NA	NA	NA	3371.84	
MW-12	02/18/09	3426.47	ND	54.61	ND	NA	NA	NA	3371.86	Sampled
MW-12	03/04/09	3426.47	ND	54.62	ND	NA	NA	NA	3371.85	
MW-12	04/08/09	3426.47	ND	54.51	ND	NA	NA	NA	3371.96	
MW-12	05/06/09	3426.47	ND	54.52	ND	NA	NA	NA	3371.95	
MW-12	05/20/09	3426.47	ND	54.58	ND	NA	NA	NA	3371.89	Sampled
MW-12	06/03/09	3426.47	ND	54.61	ND	NA	NA	NA	3371.86	
MW-12	07/15/09	3426.47	ND	54.75	ND	NA	NA	NA	3371.72	
MW-12	08/05/09	3426.47	ND	54.70	ND	NA	NA	NA	3371.77	
MW-12	08/27/09	3426.47	ND	54.75	ND	NA	NA	NA	3371.72	Sampled
MW-12	09/02/09	3426.47	ND	54.79	ND	NA	NA	NA	3371.68	
MW-12	10/07/09	3426.47	ND	54.78	ND	NA	NA	NA	3371.69	
MW-12	11/04/09	3426.47	ND	54.80	ND	NA	NA	NA	3371.67	
MW-12	11/17/09	3426.47	ND	54.81	ND	NA	NA	NA	3371.66	Sampled
MW-12	12/02/09	3426.47	ND	54.80	ND	NA	NA	NA	3371.67	
MW-12	01/06/10	3426.47	ND	54.75	ND	NA	NA	NA	3371.72	
MW-12	02/11/10	3426.47	ND	54.78	ND	NA	NA	NA	3371.69	Sampled
MW-12	03/10/10	3426.47	ND	54.72	ND	NA	NA	NA	3371.75	
MW-12	05/05/10	3426.47	ND	54.75	ND	NA	NA	NA	3371.72	
MW-12	05/12/10	3426.47	ND	54.68	ND	NA	NA	NA	3371.79	Sampled
MW-12	06/02/10	3426.47	ND	54.78	ND	NA	NA	NA	3371.69	
MW-12	07/07/10	3426.47	ND	54.86	ND	NA	NA	NA	3371.61	
MW-12	08/03/10	3426.47	ND	54.79	ND	NA	NA	NA	3371.68	
MW-12	08/26/10	3426.47	ND	54.71	ND	NA	NA	NA	3371.76	Sampled
MW-12	09/01/10	3426.47	ND	54.74	ND	NA	NA	NA	3371.73	
MW-12	10/13/10	3426.47	ND	54.75	ND	NA	NA	NA	3371.72	
MW-12	11/18/10	3426.47	ND	54.84	ND	NA	NA	NA	3371.63	Sampled
MW-12	11/23/10	3426.47	ND	54.75	ND	NA	NA	NA	3371.72	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW-12	12/08/10	3426.47	ND	54.78	ND	NA	NA	NA	3371.69	
MW-12	01/12/11	3426.47	ND	54.81	ND	NA	NA	NA	3371.66	
MW-12	02/08/11	3426.47	ND	54.79	ND	NA	NA	NA	3371.68	
MW-12	02/24/11	3426.47	ND	54.84	ND	NA	NA	NA	3371.63	Sampled
MW-12	03/08/11	3426.47	ND	54.82	ND	NA	NA	NA	3371.65	
MW-12	04/13/11	3426.47	ND	54.85	ND	NA	NA	NA	3371.62	
MW-12	06/03/11	3426.47	ND	55.03	ND	NA	NA	NA	3371.44	Sampled
MW-12	07/27/11	3426.47	ND	55.13	ND	NA	NA	NA	3371.34	
MW-12	08/29/11	3426.47	ND	55.24	ND	NA	NA	NA	3371.23	Sampled
MW-12	09/14/11	3426.47	ND	55.33	ND	NA	NA	NA	3371.14	
MW-12	10/12/11	3426.47	ND	55.35	ND	NA	NA	NA	3371.12	
MW-12	11/29/11	3426.47	ND	55.44	ND	NA	NA	NA	3371.03	Sampled
MW-12	12/27/11	3426.47	ND	55.35	ND	NA	NA	NA	3371.12	
MW-12	01/18/12	3426.47	ND	55.35	ND	NA	NA	NA	3371.12	
MW-12	02/02/12	3426.47	ND	55.36	ND	NA	NA	NA	3371.11	
MW-12	02/23/12	3426.47	ND	55.32	ND	NA	NA	NA	3371.15	
MW-12	04/20/12	3426.47	ND	55.40	ND	NA	NA	NA	3371.07	
MW-12	05/24/12	3426.47	ND	55.43	ND	NA	NA	NA	3371.04	
MW-12	07/18/12	3426.47	ND	55.60	ND	NA	NA	NA	3370.87	
MW-12	07/25/12	3426.47	ND	55.61	ND	NA	NA	20.00	3370.86	
MW-12	07/25/12	3426.47	ND	56.05	ND	NA	NA	NA	3370.42	
MW-12	09/12/12	3426.47	ND	55.70	ND	NA	NA	NA	3370.77	
MW-12	10/16/12	3426.47	ND	55.70	ND	NA	NA	NA	3370.77	
MW-12	11/19/12	3426.47	ND	55.76	ND	NA	NA	NA	3370.71	
MW-12	12/11/12	3426.47	ND	55.78	ND	NA	NA	NA	3370.69	
MW-12	02/28/13	3426.47	ND	55.77	ND	NA	NA	NA	3370.70	
MW-12	06/13/13	3426.47	ND	55.89	ND	NA	NA	NA	3370.58	
MW-12	08/14/13	3426.47	ND	55.56	ND	NA	NA	NA	3370.91	
MW-12	09/11/13	3426.47	ND	56.08	ND	NA	NA	NA	3370.39	
MW-12	12/13/13	3426.47	ND	56.05	ND	NA	NA	NA	3370.42	
MW 13	09/24/08	3431.13	ND	59.33	ND	NA	NA	NA	3371.80	
MW 13	10/15/08	3431.13	ND	59.33	ND	NA	NA	NA	3371.80	
MW 13	11/20/08	3431.13	ND	59.33	ND	NA	NA	NA	3371.80	Sampled

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW 13	12/21/08	3431.13	ND	59.32	ND	NA	NA	NA	3371.81	
MW 13	01/07/09	3431.13	ND	59.31	ND	NA	NA	NA	3371.82	
MW 13	02/04/09	3431.13	ND	59.32	ND	NA	NA	NA	3371.81	
MW 13	02/18/09	3431.13	ND	59.26	ND	NA	NA	NA	3371.87	Sampled
MW 13	03/04/09	3431.13	ND	59.32	ND	NA	NA	NA	3371.81	
MW 13	04/08/09	3431.13	ND	59.02	ND	NA	NA	NA	3372.11	
MW 13	05/06/09	3431.13	ND	59.20	ND	NA	NA	NA	3371.93	
MW 13	05/20/09	3431.13	ND	59.25	ND	NA	NA	NA	3371.88	Sampled
MW 13	06/03/09	3431.13	ND	59.28	ND	NA	NA	NA	3371.85	
MW 13	07/15/09	3431.13	ND	59.39	ND	NA	NA	NA	3371.74	
MW 13	08/05/09	3431.13	ND	59.40	ND	NA	NA	NA	3371.73	
MW 13	08/27/09	3431.13	ND	59.36	ND	NA	NA	NA	3371.77	Sampled
MW 13	09/02/09	3431.13	ND	59.39	ND	NA	NA	NA	3371.74	
MW 13	10/07/09	3431.13	ND	59.41	ND	NA	NA	NA	3371.72	
MW 13	11/04/09	3431.13	ND	59.45	ND	NA	NA	NA	3371.68	
MW 13	11/17/09	3431.13	ND	59.44	ND	NA	NA	NA	3371.69	Sampled
MW 13	12/02/09	3431.13	ND	59.43	ND	NA	NA	NA	3371.70	
MW 13	01/06/10	3431.13	ND	59.41	ND	NA	NA	NA	3371.72	
MW 13	02/11/10	3431.13	ND	59.45	ND	NA	NA	NA	3371.68	Sampled
MW 13	03/10/10	3431.13	ND	59.42	ND	NA	NA	NA	3371.71	
MW 13	05/05/10	3431.13	ND	59.32	ND	NA	NA	NA	3371.81	
MW 13	05/12/10	3431.13	ND	59.34	ND	NA	NA	NA	3371.79	Sampled
MW 13	06/02/10	3431.13	ND	59.64	ND	NA	NA	NA	3371.49	
MW 13	06/25/10	3431.13	ND	59.51	ND	Pumped	0.00	15.00	3371.62	
MW 13	06/25/10	3431.13	ND	59.71	ND	NA	NA	NA	3371.42	
MW 13	06/30/10	3431.13	ND	59.54	ND	Pumped	0.00	20.00	3371.59	
MW 13	06/30/10	3431.13	ND	59.65	ND	NA	NA	NA	3371.48	
MW 13	07/07/10	3431.13	ND	59.54	ND	Pumped	0.00	20.00	3371.59	
MW 13	07/07/10	3431.13	ND	59.66	ND	NA	NA	NA	3371.47	
MW 13	07/28/10	3431.13	ND	59.43	ND	Pumped	0.00	20.00	3371.70	
MW 13	07/28/10	3431.13	ND	59.48	ND	NA	NA	NA	3371.65	
MW 13	08/03/10	3431.13	ND	59.43	ND	Pumped	0.00	20.00	3371.70	
MW 13	08/03/10	3431.13	ND	59.52	ND	NA	NA	NA	3371.61	
MW 13	08/11/10	3431.13	ND	59.43	ND	Pumped	0.00	20.00	3371.70	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW 13	08/11/10	3431.13	ND	59.46	ND	NA	NA	NA	3371.67	
MW 13	08/18/10	3431.13	ND	59.48	ND	Pumped	0.00	20.00	3371.65	
MW 13	08/18/10	3431.13	ND	59.46	ND	NA	NA	NA	3371.67	
MW 13	08/25/10	3431.13	ND	59.42	ND	Pumped	0.00	20.00	3371.71	
MW 13	08/25/10	3431.13	ND	59.51	ND	NA	NA	NA	3371.62	
MW 13	08/26/10	3431.13	ND	59.38	ND	NA	NA	NA	3371.75	Sampled
MW 13	09/01/10	3431.13	ND	59.41	ND	Pumped	0.00	20.00	3371.72	
MW 13	09/01/10	3431.13	ND	59.50	ND	NA	NA	NA	3371.63	
MW 13	09/08/10	3431.13	ND	59.40	ND	Pumped	0.00	20.00	3371.73	
MW 13	09/08/10	3431.13	ND	59.47	ND	NA	NA	NA	3371.66	
MW 13	09/15/10	3431.13	ND	59.42	ND	Pumped	0.00	20.00	3371.71	
MW 13	09/15/10	3431.13	ND	59.51	ND	NA	NA	NA	3371.62	
MW 13	10/06/10	3431.13	ND	59.42	ND	Pumped	0.00	20.00	3371.71	
MW 13	10/06/10	3431.13	ND	59.57	ND	NA	NA	NA	3371.56	
MW 13	10/13/10	3431.13	ND	59.45	ND	Pumped	0.00	20.00	3371.68	
MW 13	10/13/10	3431.13	ND	59.76	ND	NA	NA	NA	3371.37	
MW 13	11/03/10	3431.13	ND	59.44	ND	Pumped	0.00	20.00	3371.69	
MW 13	11/03/10	3431.13	ND	59.56	ND	NA	NA	NA	3371.57	
MW 13	11/18/10	3431.13	ND	59.49	ND	NA	NA	NA	3371.64	Sampled
MW 13	11/23/10	3431.13	ND	59.44	ND	NA	NA	NA	3371.69	
MW 13	12/01/10	3431.13	ND	59.48	ND	Pumped	0.00	15.00	3371.65	
MW 13	12/01/10	3431.13	ND	59.58	ND	NA	NA	NA	3371.55	
MW 13	12/08/10	3431.13	ND	59.45	ND	Pumped	0.00	15.00	3371.68	
MW 13	12/08/10	3431.13	ND	59.57	ND	NA	NA	NA	3371.56	
MW 13	12/15/10	3431.13	ND	59.43	ND	Pumped	0.00	15.00	3371.70	
MW 13	12/15/10	3431.13	ND	59.55	ND	NA	NA	NA	3371.58	
MW 13	12/21/10	3431.13	ND	59.46	ND	Pumped	0.00	10.00	3371.67	
MW 13	12/21/10	3431.13	ND	59.51	ND	NA	NA	NA	3371.62	
MW 13	01/12/11	3431.13	ND	59.48	ND		0.00	15.00	3371.65	
MW 13	01/12/11	3431.13	ND	59.54	ND	NA	NA	NA	3371.59	
MW 13	01/25/11	3431.13	ND	59.46	ND		0.00	20.00	3371.67	
MW 13	01/25/11	3431.13	ND	59.50	ND	NA	NA	NA	3371.63	
MW 13	02/08/11	3431.13	ND	59.46	ND		0.00	10.00	3371.67	
MW 13	02/08/11	3431.13	ND	59.54	ND	NA	NA	NA	3371.59	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS

Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
MW 13	02/24/11	3431.13	ND	59.51	ND	NA	NA	NA	3371.62	Sampled
MW 13	03/08/11	3431.13	ND	59.46	ND		0.00	20.00	3371.67	
MW 13	03/08/11	3431.13	ND	59.52	ND	NA	NA	NA	3371.61	
MW 13	03/23/11	3431.13	ND	59.53	ND		0.00	20.00	3371.60	
MW 13	03/23/11	3431.13	ND	59.63	ND	NA	NA	NA	3371.50	
MW 13	04/13/11	3431.13	ND	59.53	ND	NA	NA	NA	3371.60	
MW 13	05/04/11	3431.13	ND	59.54	ND		0.00	10.00	3371.59	
MW 13	05/04/11	3431.13	ND	59.59	ND	NA	NA	NA	3371.54	
MW 13	06/03/11	3431.13	ND	59.68	ND	NA	NA	NA	3371.45	Sampled
MW 13	07/27/11	3431.13	ND	59.80	ND	NA	NA	NA	3371.33	
MW 13	08/29/11	3431.13	ND	59.90	ND	NA	NA	NA	3371.23	Sampled
MW 13	09/14/11	3431.13	ND	59.99	ND	NA	NA	NA	3371.14	
MW 13	10/12/11	3431.13	ND	60.00	ND	NA	NA	NA	3371.13	
MW 13	11/29/11	3431.13	ND	60.05	ND	NA	NA	NA	3371.08	Sampled
MW 13	12/07/11	3431.13	ND	60.03	ND	NA	NA	NA	3371.10	PAHs sampling
MW 13	12/27/11	3431.13	ND	60.02	ND	NA	NA	NA	3371.11	
MW 13	01/18/12	3431.13	ND	60.04	ND	NA	NA	NA	3371.09	
MW 13	02/02/12	3431.13	ND	60.01	ND	NA	NA	NA	3371.12	
MW 13	02/23/12	3431.13	ND	60.02	ND	NA	NA	NA	3371.11	
MW 13	04/20/12	3431.13	ND	60.08	ND	NA	NA	NA	3371.05	
MW 13	05/24/12	3431.13	ND	60.09	ND	NA	NA	NA	3371.04	
MW 13	07/18/12	3431.13	ND	60.31	ND	NA	NA	NA	3370.82	
MW 13	07/25/12	3431.13	ND	60.28	ND	NA	NA	20.00	3370.85	
MW 13	07/25/12	3431.13	ND	60.62	ND	NA	NA	NA	3370.51	
MW 13	07/31/12	3431.13	NG	NG	NG	NA	NA	NA	NG	
MW 13	09/12/12	3431.13	ND	60.35	ND	NA	NA	NA	3370.78	
MW 13	10/16/12	3431.13	ND	60.35	ND	NA	NA	NA	3370.78	
MW 13	11/19/12	3431.13	ND	60.43	ND	NA	NA	NA	3370.70	
MW 13	12/11/12	3431.13	ND	60.44	ND	NA	NA	NA	3370.69	
MW 13	02/28/13	3431.13	ND	61.44	ND	NA	NA	NA	3369.69	Sampled
MW 13	06/13/13	3431.13	ND	60.53	ND	NA	NA	NA	3370.60	Sampled
MW 13	08/14/13	3431.13	ND	60.63	ND	NA	NA	NA	3370.50	
MW 13	09/11/13	3431.13	ND	60.68	ND	NA	NA	NA	3370.45	
MW 13	12/13/13	3431.13	ND	60.64	ND	NA	NA	NA	3370.49	

TABLE 2
HISTORICAL MONITOR WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery (ft)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H ₂ O		
Tank	03/28/07	NA	Sheen	5.18	Sheen	NA	NA	NA	NA	
Tank	07/19/07	NA	4.63	4.65	0.02	NA	NA	NA	NA	
Tank	12/17/08	NA	3.14			NA	NA	NA	NA	Before
Tank	12/17/08	NA	4.50			NA	NA	NA	NA	After

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

TABLE 3
2012 GROUNDWATER ANALYTICAL RESULTS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Sample Date	MTBE (mg/L)	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.010	0.750	0.750	0.620
MW-1	02/28/13	NA	NS	NS	NS	NS
MW-1	06/13/13	NA	1.6	0.34	0.55	1.1
MW-1	09/11/13	NA	NS	NS	NS	NS
MW-1R	12/13/13	NA	NS	NS	NS	NS
MW-2	02/28/13	NA	NS	NS	NS	NS
MW-2	06/13/13	NA	1.3	0.0400	0.35	0.39
MW-2	09/11/13	NA	NS	NS	NS	NS
MW-2	12/13/13	NA	NS	NS	NS	NS
MW-3	02/28/13	NA	NS	NS	NS	NS
MW-3	06/13/13	NA	0.17	0.0014	<0.001	0.19
MW-3	09/11/13	NA	NS	NS	NS	NS
MW-3	12/13/13	NA	NS	NS	NS	NS
MW-4	02/28/13	NA	NS	NS	NS	NS
MW-4	06/13/13	NA	0.22	0.0280	0.098	0.097
MW-4	09/11/13	NA	NS	NS	NS	NS
MW-4	12/13/13	NA	NS	NS	NS	NS
MW-5	02/28/13	NA	0.0004 J	0.0028 J	0.076	0.032
MW-5	06/13/13	NA	<0.001	<0.005	0.024	0.0063
MW-5	09/11/13	NA	0.00043 J	0.00088 J	0.084	0.026
MW-5	12/13/13	NA	0.0013	<0.005	0.032	0.0064
MW-6	02/28/13	NA	<0.001	<0.005	<0.0010	<0.0030
MW-6	06/13/13	NA	<0.001	<0.005	<0.0010	<0.0030
MW-6	09/11/13	NA	<0.001	<0.005	0.00046 J	<0.0030
MW-6	12/13/13	NA	<0.001	<0.005	<0.0010	<0.0030
MW 7	02/28/13	NA	NS	NS	NS	NS
MW 7	06/13/13	NA	0.0027	<0.005	<0.0010	<0.0030
MW 7	09/11/13	NA	0.0046	<0.005	<0.0010	<0.0030
MW 7	12/13/13	NA	<0.001	<0.005	<0.0010	<0.0030
MW-8	02/28/13	NA	NS	NS	NS	NS
MW-8	06/13/13	NA	1.3	0.41	0.56	1.1
MW-8	09/11/13	NA	NS	NS	NS	NS
MW-8	12/13/13	NA	NS	NS	NS	NS
MW-9	02/28/13	NA	NS	NS	NS	NS
MW-9	06/13/13	NA	3.0	0.25	0.32	0.54
MW-9	09/11/13	NA	NS	NS	NS	NS
MW-9	12/13/13	NA	NS	NS	NS	NS

TABLE 3
2012 GROUNDWATER ANALYTICAL RESULTS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Sample Date	MTBE (mg/L)	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.010	0.750	0.750	0.620
MW-10	02/28/13	NA	NS	NS	NS	NS
MW-10	06/13/13	NA	0.63	<0.005	0.067	0.097
MW-10	09/11/13	NA	NS	NS	NS	NS
MW-10	12/13/13	NA	NS	NS	NS	NS
MW 11	02/28/13	NA	<0.001	<0.005	<0.0010	<0.0030
MW 11	06/13/13	NA	<0.001	<0.005	<0.0010	<0.0030
MW 11	09/11/13	NA	<0.001	<0.005	<0.0010	<0.0030
MW 11	12/13/13	NA	<0.001	<0.005	<0.0010	<0.0030
MW 12	02/28/13	NA	0.0029	<0.005	0.0006 J	<0.003
MW 12	06/13/13	NA	0.0069	<0.005	<0.0010	<0.0030
MW 12	09/11/13	NA	0.0031	<0.005	<0.0010	<0.0030
MW 12	12/13/13	NA	0.0022	<0.005	<0.0010	<0.0030
MW 13	02/28/13	NA	0.20	<0.005	0.00039 J	0.0014 J
MW 13	06/13/13	NA	0.41	<0.005	0.00055 J	0.0079
MW 13	09/11/13	NA	0.052	<0.005	<0.0010	<0.0030
MW 13	12/13/13	NA	0.00093 J	<0.005	<0.0010	<0.0030

NMOCD: New Mexico Oil Conservation Division

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

^a Result is from run #2

^b Laboratory control spike recovery outside control limits, all reportable hits are considered to be an estimated concentration

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

P: Dual Column results percent difference > 40%

TABLE 4
GROUNDWATER ANALYTICAL RESULTS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Sample Date	MTBE (mg/L)	SW 846-8021B				Total Dissolved Solids
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
NMOCD Remediation Criteria							
0.010	0.750	0.750	0.620				
MW-1	02/23/12	NA	NS	NS	NS	NS	
MW-1	05/24/12	NA	3.6	1.5	0.8	1.7	
MW-1	09/12/12	NA	NS	NS	NS	NS	
MW-1	11/19/12	NA	NS	NS	NS	NS	
MW-1	02/28/13	NA	NS	NS	NS	NS	
MW-1	06/13/13	NA	1.6	0.34	0.55	1.1	
MW-1	09/11/13	NA	NS	NS	NS	NS	
MW-1R	12/13/13	NA	NS	NS	NS	NS	
MW-2	06/03/11	NA	1.8	0.14	0.22	0.27	
MW-2	02/23/12	NA	NS	NS	NS	NS	
MW-2	05/24/12	NA	1.9	0.061	0.41	0.4	
MW-2	09/12/12	NA	NS	NS	NS	NS	
MW-2	11/19/12	NA	NS	NS	NS	NS	
MW-2	02/28/13	NA	NS	NS	NS	NS	
MW-2	06/13/13	NA	1.3	0.0400	0.35	0.39	
MW-2	09/11/13	NA	NS	NS	NS	NS	
MW-2	12/13/13	NA	NS	NS	NS	NS	
MW-3	06/13/13	NA	0.17	0.0014	<0.001	0.19	
MW-3	09/11/13	NA	NS	NS	NS	NS	
MW-3	12/13/13	NA	NS	NS	NS	NS	
MW-4	06/03/11	NA	0.59	0.0018	0.26	0.16	
MW-4	02/23/12	NA	NS	NS	NS	NS	
MW-4	05/24/12	NA	0.38	<0.0050	0.250	0.076	
MW-4	09/12/12	NA	NS	NS	NS	NS	
MW-4	11/19/12	NA	NS	NS	NS	NS	
MW-4	02/28/13	NA	NS	NS	NS	NS	
MW-4	06/13/13	NA	0.22	0.0280	0.098	0.097	
MW-4	09/11/13	NA	NS	NS	NS	NS	
MW-4	12/13/13	NA	NS	NS	NS	NS	
MW-5	03/01/07	NA	0.1720 ^a	0.0062	0.1380	0.0900	
MW-5	06/01/07	NA	0.1210	0.0101	0.1030	0.0608	
MW-5	09/06/07	NA	0.0477	0.0113	0.0523	0.0335	
MW-5	11/13/07	NA	0.0775	0.0285	0.0906	0.0531	
MW-5	02/26/08	NA	0.00097 J	<0.00023	0.0031	<0.00055	
MW-5	05/29/08	NA	0.05730	0.0134	0.0804	0.0625	
MW-5	08/18/08	NA	0.01010	0.0039	0.0349	0.0194	
MW-5	11/20/08	NA	0.0290	0.00670	0.0827	0.0307	
MW-5	02/18/09	NA	0.0256	0.00220	0.1090	0.0403	
MW-5	05/20/09	NA	0.0131	0.00150	0.0589	0.02430 ^b	
MW-5	08/27/09	NA	0.0073	<0.000188	0.0452	0.01360	
MW-5	11/17/09	<0.000160	0.00600	0.000500 J	0.0408	0.0157	
MW-5	02/11/10	NA	0.00770	<0.000208	0.0596	0.0225	
MW-5	05/12/10	NA	0.013	0.001700	0.0880	0.0420	
MW-5	08/26/10	NA	0.0026	<0.00020	0.0340	0.011	
MW-5	11/18/10	NA	0.0043	<0.0002	0.0570	0.021	
MW-5	02/24/11	NA	0.002	<0.0010	0.0370	0.015	
MW-5	06/03/11	NA	0.0011	<0.0010	0.0071	0.022	
MW-5	08/29/11	NA	0.0019	0.0036 P	0.068	0.029	

TABLE 4
GROUNDWATER ANALYTICAL RESULTS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Sample Date	MTBE (mg/L)	SW 846-8021B				Total Dissolved Solids
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
NMOCD Remediation Criteria							
0.010	0.750	0.750	0.620				
MW-5	11/29/11	NA	<0.0010	0.0023	0.074	0.028	
MW-5	02/23/12	NA	0.0014	0.0046	0.076	0.038	
MW-5	05/24/12	NA	0.0026	0.0032	0.140	0.065	
MW-5	09/12/12	NA	0.0013	0.0025	0.097	0.043	
MW-5	11/19/12	NA	0.0011	<0.001	0.056	0.014	
MW-5	02/28/13	NA	0.0004 J	0.0028 J	0.076	0.032	
MW-5	06/13/13	NA	<0.001	<0.005	0.024	0.0063	
MW-5	09/11/13	NA	0.00043 J	0.00088 J	0.084	0.026	
MW-5	12/13/13	NA	0.0013	<0.005	0.032	0.0064	
MW-6	03/01/07	NA	<0.00035	<0.00020	<0.00033	<0.00036	
MW-6	06/01/07	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	09/06/07	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	11/13/07	NA	<0.0005	<0.0005	<0.0005	<0.001	
MW-6	02/26/08	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	05/29/08	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	08/18/08	NA	<0.0005	<0.0005	<0.0005	<0.001	
MW-6	11/20/08	NA	<0.00100	<0.00100	<0.00100	<0.00100	
MW-6	02/18/09	NA	<0.00100	<0.00100	0.0019	<0.00100	
MW-6	05/20/09	NA	<0.000149	<0.000188	<0.000178	<0.000163	
MW-6	08/27/09	NA	<0.000149	<0.000188	<0.000178	<0.000163	
MW-6	11/17/09	<0.000160	<0.000133	<0.000281	<0.000535	<0.000960	
MW-6	02/11/10	NA	<0.000208	<0.000208	<0.000303	<0.000326	
MW-6	05/12/10	NA	<0.00020	<0.00020	0.00039 J	<0.00070	
MW-6	08/26/10	NA	<0.00020	<0.00020	<0.00020	<0.00070	
MW-6	11/18/10	NA	<0.00020	<0.00020	<0.00020	<0.00070	
MW-6	02/24/11	NA	<0.0010	<0.0010	<0.0010	<0.0030	
MW-6	06/03/11	NA	<0.0010	<0.0010	<0.0010	<0.0030	
MW-6	08/29/11	NA	<0.0010	<0.0010	<0.0010	<0.0030	
MW-6	11/29/11	NA	<0.0010	<0.0010	<0.0010	<0.0030	
MW-6	02/23/12	NA	<0.0010	<0.0010	<0.0010	<0.0030	
MW-6	05/24/12	NA	<0.0010	<0.0010	<0.0010	<0.0030	
MW-6	09/12/12	NA	0.00056 J	<0.0010	<0.0010	<0.0030	
MW-6	11/19/12	NA	<0.001	<0.0010	<0.0010	<0.0030	
MW-6	02/28/13	NA	<0.001	<0.005	<0.0010	<0.0030	
MW-6	06/13/13	NA	<0.001	<0.005	<0.0010	<0.0030	
MW-6	09/11/13	NA	<0.001	<0.005	0.00046 J	<0.0030	
MW-6	12/13/13	NA	<0.001	<0.005	<0.0010	<0.0030	
MW 7	03/01/07	NA	<0.00035	<0.00020	<0.00033	<0.00036	
MW 7	06/01/07	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW 7	09/06/07	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW 7	11/13/07	NA	<0.0005	<0.0005	<0.0005	<0.001	
MW 7	02/26/08	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW 7	05/29/08	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW 7	08/18/08	NA	<0.0005	<0.0005	<0.0005	<0.001	
MW 7	11/20/08	NA	<0.00100	<0.00100	<0.00100	<0.00100	
MW 7	02/18/09	NA	<0.00100	<0.00100	<0.00100	<0.00100	
MW 7	05/20/09	NA	<0.000149	<0.000188	<0.000178	<0.000163	
MW 7	08/27/09	NA	0.0008 J	<0.000188	<0.000178	0.0014	
MW 7	11/17/09	<0.000160	0.0031	<0.000281	<0.000535	0.0039	
MW 7	02/11/10	NA	0.0026	<0.000208	<0.000303	0.0030	

TABLE 4
GROUNDWATER ANALYTICAL RESULTS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Sample Date	MTBE (mg/L)	SW 846-8021B				Total Dissolved Solids
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
NMOCD Remediation Criteria							
0.010	0.750	0.750	0.620				
MW 7	05/12/10	NA	0.0030	<0.00020	<0.00020	0.0025 J	
MW 7	08/26/10	NA	0.0052	<0.00020	<0.00020	0.0033	
MW 7	11/18/10	NA	0.0020	<0.00020	<0.00020	<0.0007	
MW 7	02/24/11	NA	0.0032	<0.0010	<0.0010	<0.0030	
MW 7	06/03/11	NA	0.0014	<0.0010	<0.0010	<0.0030	
MW 7	08/29/11	NA	0.0090	<0.0010	<0.0010	<0.0030	
MW 7	11/29/11	NA	0.0110	<0.0010	<0.0010	<0.0030	
MW 7	02/23/12	NA	0.0070	<0.0010	<0.0010	<0.0030	
MW 7	05/24/12	NA	0.014	<0.0010	<0.0010	<0.0030	
MW 7	09/12/12	NA	0.018	<0.0010	<0.0010	<0.0030	
MW 7	11/19/12	NA	<0.001	<0.0010	<0.0010	<0.0030	
MW 7	02/28/13	NA	NS	NS	NS	NS	
MW 7	06/13/13	NA	0.0027	<0.0010	<0.0010	<0.0030	
MW 7	09/11/13	NA	0.0046	<0.005	<0.0010	<0.0030	
MW 7	12/13/13	NA	<0.001	<0.005	<0.0010	<0.0030	
MW-8	06/03/11	NA	3.9	0.014 P	0.49	0.59	
MW-8	02/23/12	NA	NS	NS	NS	NS	
MW-8	05/24/12	NA	3.7	<0.05	0.49	0.39	
MW-8	09/12/12	NA	NS	NS	NS	NS	
MW-8	11/19/12	NA	NS	NS	NS	NS	
MW-8	02/28/13	NA	NS	NS	NS	NS	
MW-8	06/13/13	NA	1.3	0.41	0.56	1.1	
MW-8	09/11/13	NA	NS	NS	NS	NS	
MW-8	12/13/13	NA	NS	NS	NS	NS	
MW-9	06/03/11	NA	1.2	0.53	0.27	0.51	
MW-9	02/23/12	NA	NS	NS	NS	NS	
MW-9	05/24/12	NA	6.0	3.0	1.1	2.2	
MW-9	09/12/12	NA	NS	NS	NS	NS	
MW-9	11/19/12	NA	NS	NS	NS	NS	
MW-9	02/28/13	NA	NS	NS	NS	NS	
MW-9	06/13/13	NA	3.0	0.25	0.32	0.54	
MW-9	09/11/13	NA	NS	NS	NS	NS	
MW-9	12/13/13	NA	NS	NS	NS	NS	
MW-10	06/03/11	NA	0.54	0.11	0.1	0.15	
MW-10	02/23/12	NA	NS	NS	NS	NS	
MW-10	05/24/12	NA	0.28	0.0083	0.059	0.057	
MW-10	09/12/12	NA	NS	NS	NS	NS	
MW-10	11/19/12	NA	NS	NS	NS	NS	
MW-10	02/28/13	NA	NS	NS	NS	NS	
MW-10	06/13/13	NA	0.63	<0.005	0.067	0.097	
MW-10	09/11/13	NA	NS	NS	NS	NS	
MW-10	12/13/13	NA	NS	NS	NS	NS	
MW 11	03/01/07	NA	<0.00035	<0.00020	<0.00033	<0.00036	
MW 11	06/01/07	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW 11	09/06/07	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW 11	11/13/07	NA	<0.0005	<0.0005	<0.0005	<0.001	
MW 11	02/26/08	NA	<0.00021	<0.00023	<0.00035	<0.00055	

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Sample Date	MTBE (mg/L)	SW 846-8021B				Total Dissolved Solids
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
NMOCD Remediation Criteria							
0.010	0.750	0.750	0.620				
MW 11	05/29/08	NA	<0.00021	0.0003 J	<0.00035	<0.00055	
MW 11	08/18/08	NA	<0.0005	<0.0005	<0.0005	<0.001	
MW 11	11/20/08	NA	<0.00100	<0.00100	<0.00100	<0.00100	
MW 11	02/18/09	NA	<0.00100	<0.00100	<0.00100	<0.00100	
MW 11	05/20/09	NA	<0.000149	<0.000188	<0.000178	<0.000163	
MW 11	08/27/09	NA	<0.000149	<0.000188	<0.000178	<0.000163	
MW 11	11/17/09	<0.000160	<0.000133	<0.000281	<0.000535	<0.000960	
MW 11	02/11/10	NA	<0.000208	<0.000208	<0.000303	<0.000326	
MW 11	05/12/10	NA	0.00027 J	<0.00020	<0.00020	<0.00070	
MW 11	08/26/10	NA	<0.00020	<0.00020	<0.00020	<0.00070	
MW 11	11/18/10	NA	<0.00020	<0.00020	<0.00020	<0.00070	
MW 11	02/24/11	NA	<0.0010	<0.0010	<0.0010	<0.0030	
MW 11	06/03/11	NA	<0.0010	<0.0010	<0.0010	<0.0030	
MW 11	08/29/11	NA	<0.0010	<0.0010	<0.0010	<0.0030	
MW 11	11/29/11	NA	<0.0010	<0.0010	<0.0010	<0.0030	
MW 11	02/23/12	NA	<0.0010	<0.0010	<0.0010	<0.0030	
MW 11	05/24/12	NA	<0.0010	<0.0010	<0.0010	<0.0030	
MW 11	09/12/12	NA	0.0015	<0.0010	<0.0010	<0.0030	
MW 11	11/19/12	NA	<0.001	<0.0010	<0.0010	<0.0030	
MW 11	02/28/13	NA	<0.001	<0.005	<0.0010	<0.0030	
MW 11	06/13/13	NA	<0.001	<0.005	<0.0010	<0.0030	
MW 11	09/11/13	NA	<0.001	<0.005	<0.0010	<0.0030	
MW 11	12/13/13	NA	<0.001	<0.005	<0.0010	<0.0030	
MW 12	03/01/07	NA	<0.00035	<0.00020	<0.00033	<0.00036	
MW 12	06/01/07	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW 12	09/06/07	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW 12	11/13/07	NA	<0.0005	<0.0005	<0.0005	<0.001	
MW 12	02/26/08	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW 12	05/29/08	NA	<0.00021	<0.00023	<0.00035	<0.00055	
MW 12	08/18/08	NA	<0.0005	<0.0005	<0.0005	<0.001	
MW 12	11/20/08	NA	<0.00100	<0.00100	<0.00100	<0.00100	
MW 12	02/18/09	NA	<0.00100	<0.00100	<0.00100	<0.00100	
MW 12	05/20/09	NA	0.0171	<0.000188	<0.000178	0.0019	
MW 12	08/27/09	NA	0.0281	<0.00094	<0.00089	<0.000815	
MW 12	11/17/09	<0.000160	0.0359	<0.000281	<0.000535	<0.000960	
MW 12	02/11/10	NA	<0.000208	<0.000208	<0.000303	<0.000326	
MW 12	05/12/10	NA	0.48	<0.00020	<0.00020	<0.00070	
MW 12	08/26/10	NA	0.23	<0.00020	<0.00020	<0.00070	
MW 12	11/18/10	NA	0.17	<0.00020	<0.00020	0.0060	
MW 12	02/24/11	NA	0.88	<0.0010	<0.0010	0.039	
MW 12	06/03/11	NA	0.20	<0.0010	<0.0010	0.013	
MW 12	08/29/11	NA	0.25	<0.0010	<0.0010	0.033	
MW 12	11/29/11	NA	0.36	<0.0010	<0.0010	0.021	
MW 12	02/23/12	NA	0.32	<0.0050	<0.0050	0.025	
MW 12	05/24/12	NA	0.32	<0.0050	<0.0050	0.030	
MW 12	09/12/12	NA	0.25	<0.0010	<0.0010	0.023	
MW 12	11/19/12	NA	0.0022	<0.0010	<0.0010	<0.0030	
MW 12	02/28/13	NA	0.0029	<0.005	0.0006 J	<0.003	
MW 12	06/13/13	NA	0.0069	<0.005	<0.0010	<0.0030	
MW 12	09/11/13	NA	0.0031	<0.005	<0.0010	<0.0030	
MW 12	12/13/13	NA	0.0022	<0.005	<0.0010	<0.0030	

TABLE 4
GROUNDWATER ANALYTICAL RESULTS

Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Well Number	Sample Date	MTBE (mg/L)	SW 846-8021B				Total Dissolved Solids
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.010	0.750	0.750	0.620	
MW 13	11/20/08	NA	1.51	<0.0100	<0.0100	0.126	
MW 13	02/18/09	NA	0.923	<0.00100	<0.00100	0.0456	
MW 13	05/20/09	NA	1.56	<0.00562	<0.0107	0.1190	
MW 13	08/27/09	NA	2.73	<0.0166	<0.0115	0.1770	
MW 13	11/17/09	<0.0150	2.52	<0.00664	<0.00460	0.112	
MW 13	02/11/10	NA	2.60	<0.00400	<0.00430	0.099	
MW 13	05/12/10	NA	2.00	0.00066 J	0.0010	0.075	
MW 13	08/26/10	NA	0.96	<0.00020	<0.00020	0.069	
MW 13	11/18/10	NA	1.10	<0.00020	<0.00020	0.0440	
MW 13	02/24/11	NA	0.72	<0.0010	<0.0010	0.045	
MW 13	06/03/11	NA	0.32	<0.0010	<0.0010	0.020	
MW 13	08/29/11	NA	0.11	<0.0010	<0.0010	0.0086 P	
MW 13	11/29/11	NA	0.25	<0.0010	<0.0010	0.005	
MW 13	02/23/12	NA	0.66	<0.0050	<0.0050	<0.015	
MW 13	05/24/12	NA	0.81	<0.0050	<0.0050	<0.015	
MW 13	09/12/12	NA	0.63	<0.0050	<0.0050	0.036 J	
MW 13	11/19/12	NA	0.10	<0.0010	<0.0010	<0.0030	
MW 13	02/28/13	NA	0.20	<0.005	0.00039 J	0.0014 J	
MW 13	06/13/13	NA	0.41	<0.005	0.00055 J	0.0079	
MW 13	09/11/13	NA	0.052	<0.005	<0.0010	<0.0030	
MW 13	12/13/13	NA	0.00093 J	<0.005	<0.0010	<0.0030	

NMOCD: New Mexico Oil Conservation Division

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

^a Result is from run #2

^b Laboratory control spike recovery outside control limits, all reportable hits are considered to be an estimated concentration

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

P: Dual Column results percent difference > 40%

Table 5
PAH GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Monitoring Well	Sample Date	Lab ID	Napthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)-anthracene	Chrysene	Benzo (b)-fluoranthene	Benzo (j,k) fluoranthene	benzo(a) pyrene	Indeno(1,2,3-cd)pyrene	Dibenzofuran
NMOCD Target Level 30 ug/L			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Other regulatory limits (Tap Water) *			***		365	243	1100	1830	1460	183	0.91	29.1	0.91	9.1	0.7**	0.91	
MW-1	5/24/2012	12051184-01	737	22.9	22.1	59.6	197	22.1	6.81	2.25	<1.90	25	<1.90	<1.90	<1.90	<1.90	
MW-1	6/13/2013	L641641-01	82	1.2	3.6	6.4	14	1.9	0.43	1.2	0.14	0.36	<0.050	<0.050	<0.050	<0.050	8.7
MW-2	5/24/2012	12051184-02	59.4	0.471	0.555	2.23	4.64	<0.0959	<0.0959	<0.0959	<0.0959	0.567	<0.0959	<0.0959	<0.0959	<0.0959	
MW-2	6/13/2013	L641641-02	51	0.9	1.8	4.2	6.9	1.8	0.24	1	<0.050	0.28	<0.050	<0.050	<0.050	<0.050	6.3
MW-3	6/13/2013	L641641-03	19	0.27	0.51	1.3	0.72	0.48	0.043	0.28	0.021	0.13	0.03	0.025	0.14	<0.50	2
MW-4	5/24/2012	12051184-03	150	1.54	1.54	6.67	19.6	<0.0962	<0.0962	<0.0962	<0.0962	2.38	<0.0962	<0.0962	<0.0962	<0.0962	
MW-4	6/13/2013	L641641-04	150	3	7.8	15	25	4.9	0.63	3	0.41	1.2	0.93	0.36	0.34	<0.50	20
MW-6	6/13/2013	L641641-06	0.047 J	0.0087 J	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.0069 J
MW-7	5/24/2012	12051184-06	0.356	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	
MW-7	6/13/2013	L641641-07	0.17 J	<0.050	<0.050	<0.050	<0.050	<0.050	0.016 J	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.032 J
MW-8	6/1/2007	NA	Not Sampled due to PSH														
MW-8	5/25/2008	T22388-8	273	<16.0	<15.0	<21.0	68.2	<18.0	<16.0	<11.0	<14.0	<130	<15.0	<16.0	<16.0	<24.0	
MW-8	5/27/2009	9060112	68.5	<0.353	<0.654	<0.262	7.05	<0.404	<0.404	<0.229	<0.151	<0.456	<0.315	<0.382	<0.253	<0.400	5.05
MW-8	5/12/2010	1005465-08	40	0.47	0.62	1.9	4.5	0.37	<0.070	<0.070	<0.070	0.67	<0.090	<0.10	<0.080	<0.10	3.3
MW-8	5/24/2012	12051184-07	73.4	0.253	0.326	1.14	3.16	<0.0962	<0.0962	<0.0962	<0.0962	0.445	<0.0962	<0.0962	<0.0962	<0.0962	
MW-8	6/13/2013	L641641-08	93	0.74	0.31	1.9	2.4	0.2	0.021 J	0.11	0.018 J	0.039 J	0.020 J	<0.050	<0.050	<0.050	3.5
MW-9	3/2/2006	NA	Not Sampled due to PSH														
MW-9	6/1/2007	NA	Not Sampled due to PSH														
MW-9	5/25/2008	T22388-9	5.3	<1.6	<1.5	<2.1	19.1 J	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.6	<2.4	
MW-9	5/27/2009	9060112	7.63	<0.0710	<0.131	<0.0527	1.51	<0.0811	<0.0883	<0.0460	<0.0304	<0.0917	<0.0633	<0.0768		<0.0805	1.14
MW-9	5/12/2010	1005465-10	0.68	<0.070	<0.090	0.13 J	0.34	<0.070	<0.070	<0.070	<0.070	<0.070	<0.090	<0.10	<0.080	<0.10	0.22
MW-9	5/24/2012	12051184-08	1280	19.0	16.4	64.6	284	19.6	<1.98	<1.98	<1.98	54.2	<1.98	<1.98	<1.98	<1.98	
MW-9	6/13/2013	L641641-09	37	0.280	0.58	1.6	1.8	0.14	<0.050	0.0777	<0.050	0.025 J	0.014 J	<0.050	<0.050	<0.050	3
MW-10	3/2/2006	NA	Not Sampled due to PSH														
MW-10	6/1/2007	NA	Not Sampled due to PSH														
MW-10	5/25/2008	T22388-10	5.3	<1.6	<1.5	<2.1	1.9 J	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.6	<2.4	
MW-10	5/27/2009	9060112	7.63	<0.0710	<0.131	<0.0527	1.51	<0.0811	<0.0883	<0.0460	<0.0304	<0.0914	<0.0633	<0.0768	<0.0508	<0.0805	1.14
MW-10	5/12/2010	1005465-10	0.68	<0.070	<0.090	0.13 J	0.34	<0.070	<0.070	<0.070	<0.070	<0.070	<0.090	<0.10	<0.080	<0.10	0.22
MW-10	5/24/2012	12051184-09	0.0282	0.36	0.454	1.52	3.13	<0.0968	<0.0968	<0.0968	<0.0968	0.355	<0.0968	<0.0968	<0.0968	<0.0968	
MW-10	6/13/2013	L641641-10	28	0.34	0.72	1.7	2.1	0.14	<0.050	0.068	0.066	0.040 J	<0.050	<0.050	<0.050	<0.050	<0.050
MW-11	3/2/2006	177443	0.577	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
MW-11	3/1/2007	T17665	<1.6	<2.4	<2.3	<2.3	<2.7	<2.7	<2.9	<3.6	<3.6	<3.2	<2.8	<3.0	<3.0	<2.5	

Table 5
PAH GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

MW-12	3/2/2006	177461	0.548	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
MW-12	6/1/2007	T17665	<1.6	<2.4	<2.3	<2.3	<2.7	<2.7	<2.9	<3.6	<3.6	<3.2	<2.8	<3.0	<3.0	<2.5	
MW-12	5/24/2012	12051184-11	5.91	<0.0982	<0.0982	0.186	0.267	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	<0.0982	
MW-12	6/13/2013	L641641-12	0.29	0.067	0.066	0.35	0.33	0.015 J	<0.050	<0.050	0.012 J	<0.050	<0.050	<0.050	<0.050	<0.050	0.93
MW-13	12/7/2011	111225-01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MW-13	5/24/2012	12051184-12	7.75	<0.0948	<0.0948	0.254	0.563	0.138	<0.0948	<0.0948	<0.0948	<0.0948	<0.0948	<0.0948	<0.0948	<0.0948	
MW-13	6/13/2013	L641641-13	3.4	0.057	0.11	<0.050	0.79	0.058	<0.050	0.017 J	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	1.1

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

^a Result is from run #2
^b Laboratory control spike recovery outside control limits, all reportable hits are considered to be an estimated concentration
J: Analyte detected below method detection limit (MDL) but above sample detection limit (SDL)
P: Dual Column results percent difference > 40%

Table 5
PAH GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

Dibenz(a,h)-anthracene	Benzo(g,h,i)perylene	1-Methylnaphthalene	2-Methylnaphthalene	Total Methylnaphthalene	TPH-GRO (C6-C10)	TPH (C10-C28)	TPH (C28-C35)
ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
0.091				***			
<1.90	<1.90						
<0.050	<0.050	90	92				
<0.0959	<0.0959						
<0.050	<0.050	48	42				
<0.50	0.024	11	9.7				
<0.0962	<0.0962						
0.21	0.36	200	180				
<0.050	<0.050	0.034 J	0.012 J				
<0.0982	<0.0982						
<0.050	<0.050	0.15 J	0.042 J				
<13.0	<25.0		512	512	26.1	157	
<0.279	<0.314	57.5	59.6	117.1	18.9	<0.876	
<0.080	<0.090	35	39	74	26	23	5.3
<0.0962	<0.0962						
<0.050	<0.050	55	58				
<1.3	<2.5		6.2	6.2	2.17	7.62	
<0.0560	<0.0631	8.49	7.67	16.16	2.12	<0.876	
<0.080	<0.090	0.55	0.43	0.98	35	93	18
<1.98	<1.98						
<0.050	<0.050	34	28				
<1.3	<2.5		6.2	6.2	2.17	7.62	
<0.0560	<0.0631	8.49	7.67	16.16	2.12	<0.876	
<0.080	<0.090	0.55	0.43	0.98	35	93	18
<0.0968	<0.0968						
<0.050	<0.050	37	15				
<0.05	<0.05						
<2.9	<2.7						

Table 5
PAH GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

<0.05	<0.05						
<2.9	<2.7						
<0.0982	<0.0982						
<0.050	<0.050	0.22 J	0.024 J				
<0.002	<0.002						
<0.0948	<0.0948						
<0.050	<0.050	3.4	0.4				

Table 6
 2012 Monthly PSH and Dissolved Phase Groundwater Recovery Data
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Month	PSH Recoverd (gallons)	Total Fluids Recovered (gallons)
MW-1(MW-1R)	22.95	328.75
MW-2	1.85	47.25
MW-3	0.10	10.00
MW-4	0.70	39.50
MW-8	0.60	20.75
MW-9	10.25	240.75
MW-10	0.45	29.75
Total Fluids Recovered in 2012	36.9	716.75

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

Table 7
 Soil Analytical Results November 2013
 Plains Marketing, L.P.
 Hugh Gathering
 SRS #2002-10235
 Lea County, New Mexico

Well Number	Sample Date	Sample Depth (feet bgs)	8260B				
			Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)
			NMOCD Remediation Criteria				
			10				50
MW1R	11/07/13	45-50	<0.00027	0.20 J	1.4	3.7	5.3
MW1R	11/07/13	50-55	0.047	0.58	1.5	3.7	5.827

APPENDIX A

2013 Laboratory Analytical Data

1st Quarter – Laboratory Report ID# L622663

2nd Quarter – Laboratory Report ID# L641641

3rd Quarter – Laboratory Report ID# L657162

4th Quarter – Laboratory Report ID# L673992

Chain of Custody Documentation



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Est. 1970

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report Summary

Monday March 04, 2013

Report Number: L622663

Samples Received: 03/01/13

Client Project:

Description: Hugh Gathering

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 04, 2013

Date Received : March 01, 2013
Description : Hugh Gathering
Sample ID : MW-5
Collected By : Shane Diller
Collection Date : 02/28/13 14:40

ESC Sample # : L622663-01

Site ID : HUGH GATHERING

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	0.00040	0.00033	0.00033	0.0010	mg/l	J	8260B	03/01/13	1
Toluene	0.0028	0.00078	0.00078	0.0050	mg/l	J	8260B	03/01/13	1
Ethylbenzene	0.076	0.00038	0.00038	0.0010	mg/l		8260B	03/01/13	1
Total Xylenes	0.032	0.0011	0.0011	0.0030	mg/l		8260B	03/01/13	1
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	03/01/13	1
Dibromofluoromethane	102.				% Rec.		8260B	03/01/13	1
a,a,a-Trifluorotoluene	101.				% Rec.		8260B	03/01/13	1
4-Bromofluorobenzene	104.				% Rec.		8260B	03/01/13	1

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 04, 2013

Date Received : March 01, 2013
Description : Hugh Gathering

Sample ID : MW-6

Collected By : Shane Diller
Collection Date : 02/28/13 14:25

ESC Sample # : L622663-02

Site ID : HUGH GATHERING

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/02/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/02/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/02/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/02/13	1
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	03/02/13	1
Dibromofluoromethane	102.				% Rec.		8260B	03/02/13	1
a,a,a-Trifluorotoluene	99.9				% Rec.		8260B	03/02/13	1
4-Bromofluorobenzene	103.				% Rec.		8260B	03/02/13	1

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 04, 2013

Date Received : March 01, 2013
Description : Hugh Gathering

Sample ID : MW-11

Collected By : Shane Diller
Collection Date : 02/28/13 14:30

ESC Sample # : L622663-03

Site ID : HUGH GATHERING

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	03/02/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	03/02/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	03/02/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	03/02/13	1	
Surrogate Recovery									
Toluene-d8	100.				% Rec.	8260B	03/02/13	1	
Dibromofluoromethane	105.				% Rec.	8260B	03/02/13	1	
a,a,a-Trifluorotoluene	99.2				% Rec.	8260B	03/02/13	1	
4-Bromofluorobenzene	104.				% Rec.	8260B	03/02/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 04, 2013

Date Received : March 01, 2013
Description : Hugh Gathering
Sample ID : MW-12
Collected By : Shane Diller
Collection Date : 02/28/13 15:05

ESC Sample # : L622663-04

Site ID : HUGH GATHERING

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	0.029	0.00033	0.00033	0.0010	mg/l		8260B	03/02/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/02/13	1
Ethylbenzene	0.00058	0.00038	0.00038	0.0010	mg/l	J	8260B	03/02/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/02/13	1
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	03/02/13	1
Dibromofluoromethane	104.				% Rec.		8260B	03/02/13	1
a,a,a-Trifluorotoluene	102.				% Rec.		8260B	03/02/13	1
4-Bromofluorobenzene	104.				% Rec.		8260B	03/02/13	1

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 04, 2013

Date Received : March 01, 2013
Description : Hugh Gathering
Sample ID : MW-13
Collected By : Shane Diller
Collection Date : 02/28/13 15:20

ESC Sample # : L622663-05

Site ID : HUGH GATHERING

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	0.20	0.00033	0.00033	0.0010	mg/l		8260B	03/02/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/02/13	1
Ethylbenzene	0.00039	0.00038	0.00038	0.0010	mg/l	J	8260B	03/02/13	1
Total Xylenes	0.0014	0.0011	0.0011	0.0030	mg/l	J	8260B	03/02/13	1
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	03/02/13	1
Dibromofluoromethane	103.				% Rec.		8260B	03/02/13	1
a,a,a-Trifluorotoluene	101.				% Rec.		8260B	03/02/13	1
4-Bromofluorobenzene	105.				% Rec.		8260B	03/02/13	1

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 04, 2013

Date Received : March 01, 2013
Description : Hugh Gathering
Sample ID : MW-7
Collected By : Shane Diller
Collection Date : 02/28/13 14:50

ESC Sample # : L622663-06

Site ID : HUGH GATHERING

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	0.020	0.00033	0.00033	0.0010	mg/l		8260B	03/02/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/02/13	1
Ethylbenzene	0.00090	0.00038	0.00038	0.0010	mg/l	J	8260B	03/02/13	1
Total Xylenes	0.0020	0.0011	0.0011	0.0030	mg/l	J	8260B	03/02/13	1
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	03/02/13	1
Dibromofluoromethane	105.				% Rec.		8260B	03/02/13	1
a,a,a-Trifluorotoluene	101.				% Rec.		8260B	03/02/13	1
4-Bromofluorobenzene	105.				% Rec.		8260B	03/02/13	1

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L622663-01	WG639065	SAMP	Benzene	R2567439	J
	WG639065	SAMP	Toluene	R2567439	J
L622663-04	WG639065	SAMP	Ethylbenzene	R2567439	J
L622663-05	WG639065	SAMP	Ethylbenzene	R2567439	J
	WG639065	SAMP	Total Xylenes	R2567439	J
L622663-06	WG639065	SAMP	Ethylbenzene	R2567439	J
	WG639065	SAMP	Total Xylenes	R2567439	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.



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Quality Assurance Report
Level II

March 04, 2013

L622663

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/l			WG639065	03/01/13 12:24
Ethylbenzene	< .001	mg/l			WG639065	03/01/13 12:24
Toluene	< .005	mg/l			WG639065	03/01/13 12:24
Total Xylenes	< .003	mg/l			WG639065	03/01/13 12:24
4-Bromofluorobenzene		% Rec.	104.5	82-120	WG639065	03/01/13 12:24
Dibromofluoromethane		% Rec.	98.42	82-126	WG639065	03/01/13 12:24
Toluene-d8		% Rec.	101.5	92-112	WG639065	03/01/13 12:24
a,a,a-Trifluorotoluene		% Rec.	100.5	90-116	WG639065	03/01/13 12:24

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.025	0.0236	94.4	72-119	WG639065
Ethylbenzene	mg/l	.025	0.0245	98.0	77-124	WG639065
Toluene	mg/l	.025	0.0238	95.2	75-114	WG639065
Total Xylenes	mg/l	.075	0.0733	97.8	77-123	WG639065
4-Bromofluorobenzene				100.0	82-120	WG639065
Dibromofluoromethane				101.2	82-126	WG639065
Toluene-d8				98.10	92-112	WG639065
a,a,a-Trifluorotoluene				99.78	90-116	WG639065

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0226	0.0236	90.0	72-119	4.22	20	WG639065
Ethylbenzene	mg/l	0.0242	0.0245	97.0	77-124	1.07	20	WG639065
Toluene	mg/l	0.0237	0.0238	95.0	75-114	0.360	20	WG639065
Total Xylenes	mg/l	0.0733	0.0733	98.0	77-123	0.0800	20	WG639065
4-Bromofluorobenzene				103.2	82-120			WG639065
Dibromofluoromethane				98.64	82-126			WG639065
Toluene-d8				102.5	92-112			WG639065
a,a,a-Trifluorotoluene				101.4	90-116			WG639065

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/l	0.0228	0	.025	91.1	51-134	L622646-01	WG639065
Ethylbenzene	mg/l	0.0244	0	.025	97.8	64-135	L622646-01	WG639065
Toluene	mg/l	0.0239	0	.025	95.7	61-126	L622646-01	WG639065
Total Xylenes	mg/l	0.0723	0	.075	96.4	64-133	L622646-01	WG639065
4-Bromofluorobenzene					101.9	82-120		WG639065
Dibromofluoromethane					101.7	82-126		WG639065
Toluene-d8					102.9	92-112		WG639065
a,a,a-Trifluorotoluene					101.3	90-116		WG639065

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/l	0.0226	0.0228	90.6	51-134	0.570	20	L622646-01	WG639065
Ethylbenzene	mg/l	0.0245	0.0244	98.0	64-135	0.210	20	L622646-01	WG639065
Toluene	mg/l	0.0239	0.0239	95.7	61-126	0.0100	20	L622646-01	WG639065
Total Xylenes	mg/l	0.0720	0.0723	95.9	64-133	0.460	20	L622646-01	WG639065
4-Bromofluorobenzene				101.3	82-120				WG639065
Dibromofluoromethane				98.11	82-126				WG639065
Toluene-d8				103.2	92-112				WG639065
a,a,a-Trifluorotoluene				100.6	90-116				WG639065

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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EnTech Consulting Corporation
Kathleen Buxton
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Quality Assurance Report
Level II

L622663

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Est. 1970

March 04, 2013

Batch number /Run number / Sample number cross reference

WG639065: R2567439: L622663-01 02 03 04 05 06

* * Calculations are performed prior to rounding of reported values.

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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March 04, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Plains All American Pipeline - Entech 21 Waterway Ave., Suite 300 The Woodlands, TX 77380				Billing information: Accounts Payable 333 Clay St., Ste 1600 Houston, TX 77002				Analysis/Container/Preservative V8260BTEX 40mlAmb-HCl D022				Chain of Custody Page <u>1</u> of <u>1</u> ESC L-A-B S-C-I-E-N-C-E-S 12065 Lebanon Road Mt. Juliet, TN 37122 Phone: (800) 767-5859 Phone: (615) 758-5858 Fax: (615) 758-5859			
				Report to: Kathleen Buxton Email: kathleen.buxton@entechservi											
Project Description: <i>Hugh Gathering</i>				City/State Collected: <i>NM</i>											
Phone: (979) 997-2338 FAX:				Client Project #:				Lab Project # PLAINSENT-MIDLAND							
Collected by (print): <i>SHANE DILLER</i>				Site/Facility ID#: <i>Hugh Gathering</i>				P.O.#:							
Collected by (signature): <i>[Signature]</i> Immediately Packed on Ice N ☐ Y ☒				Rush? (Lab MUST Be Notified) ___ Same Day200% ___ Next Day 100% ___ Two Day50% ___ Three Day25%				Date Results Needed Email? ☐ No ☒ Yes FAX? ☐ No ☐ Yes		No. of Cntrs					
Sample ID		Comp/Grab	Matrix*	Depth	Date	Time									
<i>MW5</i>		<i>G</i>	<i>GW</i>		<i>2-28</i>	<i>1440</i>	<i>2</i>	<i>X</i>							
<i>MW6</i>		<i>↓</i>	<i>GW</i>		<i>↓</i>	<i>1425</i>	<i>2</i>	<i>X</i>							
<i>MW11</i>		<i>↓</i>	<i>GW</i>		<i>↓</i>	<i>1430</i>	<i>2</i>	<i>X</i>							
<i>MW12</i>		<i>↓</i>	<i>GW</i>		<i>↓</i>	<i>1505</i>	<i>2</i>	<i>X</i>							
<i>MW13</i>		<i>↓</i>	<i>GW</i>		<i>↓</i>	<i>1520</i>	<i>2</i>	<i>X</i>							
<i>MW7</i>		<i>G</i>	<i>GW</i>		<i>2-28</i>	<i>1450</i>	<i>2</i>	<i>X</i>							
			<i>GW</i>				<i>2</i>	<i>X</i>							

*Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other _____

Remarks: _____

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature) <i>[Signature]</i>		Date: <i>2-28-13</i> Time: <i>1230</i>		Received by: (Signature) _____		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Condition: (lab use only) ☒ OK ☐ MS	
Relinquished by: (Signature) _____		Date: _____ Time: _____		Received by: (Signature) _____		Temp: <i>7.1</i> Bottles Received: <i>12</i>		COC Seal Intact: ☒ Y ☐ N ☐ NA	
Relinquished by: (Signature) _____		Date: _____ Time: _____		Received for lab by: (Signature) <i>[Signature]</i>		Date: <i>3-1-13</i> Time: <i>2900</i>		pH Checked: _____ NCF: _____	



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Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report Summary

Tuesday June 25, 2013

Report Number: L641641

Samples Received: 06/15/13

Client Project: PAA12006

Description: Hugh Gathering

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BI0041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

June 25, 2013

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Date Received : June 15, 2013
Description : Hugh Gathering

Sample ID : MW-1

Collected By : Kathleen Buxton
Collection Date : 06/13/13 17:10

ESC Sample # : L641641-01

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	1.6	0.00033	0.033	0.10	mg/l		8260B	06/19/13	100
Toluene	0.34	0.00078	0.078	0.50	mg/l	J	8260B	06/19/13	100
Ethylbenzene	0.55	0.00038	0.038	0.10	mg/l		8260B	06/19/13	100
Total Xylenes	1.1	0.0011	0.11	0.30	mg/l		8260B	06/19/13	100
Surrogate Recovery									
Toluene-d8	104.				% Rec.		8260B	06/19/13	100
Dibromofluoromethane	96.9				% Rec.		8260B	06/19/13	100
a,a,a-Trifluorotoluene	107.				% Rec.		8260B	06/19/13	100
4-Bromofluorobenzene	102.				% Rec.		8260B	06/19/13	100
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.0019	0.0000076	0.000076	0.00050	mg/l		8270C-S	06/20/13	10
Acenaphthene	0.0036	0.0000082	0.000082	0.00050	mg/l		8270C-S	06/20/13	10
Acenaphthylene	0.0012	0.0000068	0.000068	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(a)anthracene	0.00014	0.000012	0.00012	0.00050	mg/l	J	8270C-S	06/20/13	10
Benzo(a)pyrene	U	0.000012	0.00012	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(b)fluoranthene	U	0.000014	0.00014	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(g,h,i)perylene	U	0.000011	0.00011	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(k)fluoranthene	U	0.000014	0.00014	0.00050	mg/l		8270C-S	06/20/13	10
Chrysene	0.00036	0.000011	0.00011	0.00050	mg/l	J	8270C-S	06/20/13	10
Dibenz(a,h)anthracene	U	0.0000040	0.000040	0.00050	mg/l		8270C-S	06/20/13	10
Dibenzofuran	0.0087	0.000011	0.00010	0.00050	mg/l		8270C-S	06/20/13	10
Fluoranthene	0.00043	0.000016	0.00016	0.00050	mg/l	J	8270C-S	06/20/13	10
Fluorene	0.0064	0.0000085	0.000085	0.00050	mg/l		8270C-S	06/20/13	10
Indeno(1,2,3-cd)pyrene	U	0.000015	0.00015	0.00050	mg/l		8270C-S	06/20/13	10
Naphthalene	0.082	0.000020	0.00020	0.0025	mg/l		8270C-S	06/20/13	10
Phenanthrene	0.014	0.0000082	0.000082	0.00050	mg/l		8270C-S	06/20/13	10
Pyrene	0.0012	0.000012	0.00012	0.00050	mg/l		8270C-S	06/20/13	10
1-Methylnaphthalene	0.090	0.0000082	0.000082	0.0025	mg/l		8270C-S	06/20/13	10
2-Methylnaphthalene	0.092	0.0000090	0.000090	0.0025	mg/l		8270C-S	06/20/13	10
2-Chloronaphthalene	0.00014	0.0000065	0.000065	0.0025	mg/l	J	8270C-S	06/20/13	10
Surrogate Recovery									
Nitrobenzene-d5	121.				% Rec.		8270C-S	06/20/13	10
2-Fluorobiphenyl	126.				% Rec.		8270C-S	06/20/13	10
p-Terphenyl-d14	121.				% Rec.		8270C-S	06/20/13	10

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

June 25, 2013

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Date Received : June 15, 2013
Description : Hugh Gathering

Sample ID : MW-2

Collected By : Kathleen Buxton
Collection Date : 06/13/13 18:45

ESC Sample # : L641641-02

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	1.3	0.00033	0.0033	0.010	mg/l		8260B	06/19/13	10
Toluene	0.040	0.00078	0.0078	0.050	mg/l	J	8260B	06/19/13	10
Ethylbenzene	0.35	0.00038	0.0038	0.010	mg/l		8260B	06/19/13	10
Total Xylenes	0.39	0.0011	0.011	0.030	mg/l		8260B	06/19/13	10
Surrogate Recovery									
Toluene-d8	104.				% Rec.		8260B	06/19/13	10
Dibromofluoromethane	93.8				% Rec.		8260B	06/19/13	10
a,a,a-Trifluorotoluene	107.				% Rec.		8260B	06/19/13	10
4-Bromofluorobenzene	95.5				% Rec.		8260B	06/19/13	10
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.0018	0.0000076	0.000076	0.00050	mg/l		8270C-S	06/20/13	10
Acenaphthene	0.0018	0.0000082	0.000082	0.00050	mg/l		8270C-S	06/20/13	10
Acenaphthylene	0.00090	0.0000068	0.000068	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(a)anthracene	U	0.000012	0.00012	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(a)pyrene	U	0.000012	0.00012	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(b)fluoranthene	U	0.000014	0.00014	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(g,h,i)perylene	U	0.000011	0.00011	0.00050	mg/l		8270C-S	06/20/13	10
Benzo(k)fluoranthene	U	0.000014	0.00014	0.00050	mg/l		8270C-S	06/20/13	10
Chrysene	0.00028	0.000011	0.00011	0.00050	mg/l	J	8270C-S	06/20/13	10
Dibenz(a,h)anthracene	U	0.0000040	0.000040	0.00050	mg/l		8270C-S	06/20/13	10
Dibenzofuran	0.0063	0.000011	0.00010	0.00050	mg/l		8270C-S	06/20/13	10
Fluoranthene	0.00024	0.000016	0.00016	0.00050	mg/l	J	8270C-S	06/20/13	10
Fluorene	0.0042	0.0000085	0.000085	0.00050	mg/l		8270C-S	06/20/13	10
Indeno(1,2,3-cd)pyrene	U	0.000015	0.00015	0.00050	mg/l		8270C-S	06/20/13	10
Naphthalene	0.051	0.000020	0.00020	0.0025	mg/l		8270C-S	06/20/13	10
Phenanthrene	0.0069	0.0000082	0.000082	0.00050	mg/l		8270C-S	06/20/13	10
Pyrene	0.0010	0.000012	0.00012	0.00050	mg/l		8270C-S	06/20/13	10
1-Methylnaphthalene	0.048	0.0000082	0.000082	0.0025	mg/l		8270C-S	06/20/13	10
2-Methylnaphthalene	0.042	0.0000090	0.000090	0.0025	mg/l		8270C-S	06/20/13	10
2-Chloronaphthalene	0.00014	0.0000065	0.000065	0.0025	mg/l	J	8270C-S	06/20/13	10
Surrogate Recovery									
Nitrobenzene-d5	101.				% Rec.		8270C-S	06/20/13	10
2-Fluorobiphenyl	125.				% Rec.		8270C-S	06/20/13	10
p-Terphenyl-d14	115.				% Rec.		8270C-S	06/20/13	10

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Hugh Gathering

Sample ID : MW-3

Collected By : Kathleen Buxton
Collection Date : 06/13/13 19:05

ESC Sample # : L641641-03

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.17	0.00033	0.00033	0.0010	mg/l		8260B	06/19/13	1
Toluene	0.0014	0.00078	0.00078	0.0050	mg/l	J	8260B	06/19/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	06/19/13	1
Total Xylenes	0.19	0.0011	0.0011	0.0030	mg/l		8260B	06/19/13	1
Surrogate Recovery									
Toluene-d8	105.				% Rec.		8260B	06/19/13	1
Dibromofluoromethane	96.6				% Rec.		8260B	06/19/13	1
a,a,a-Trifluorotoluene	107.				% Rec.		8260B	06/19/13	1
4-Bromofluorobenzene	98.5				% Rec.		8260B	06/19/13	1
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.00048	0.0000076	0.000013	0.000087	mg/l		8270C-S	06/19/13	1.74
Acenaphthene	0.00051	0.0000082	0.000014	0.000087	mg/l		8270C-S	06/19/13	1.74
Acenaphthylene	0.00027	0.0000068	0.000012	0.000087	mg/l		8270C-S	06/19/13	1.74
Benzo(a)anthracene	0.000021	0.000012	0.000020	0.000087	mg/l	J	8270C-S	06/19/13	1.74
Benzo(a)pyrene	0.00014	0.000012	0.000020	0.000087	mg/l		8270C-S	06/19/13	1.74
Benzo(b)fluoranthene	0.000030	0.000014	0.000024	0.000087	mg/l	J	8270C-S	06/19/13	1.74
Benzo(g,h,i)perylene	0.000024	0.000011	0.000020	0.000087	mg/l	J	8270C-S	06/19/13	1.74
Benzo(k)fluoranthene	0.000025	0.000014	0.000024	0.000087	mg/l	J	8270C-S	06/19/13	1.74
Chrysene	0.00013	0.000011	0.000019	0.000087	mg/l		8270C-S	06/19/13	1.74
Dibenz(a,h)anthracene	U	0.0000040	0.0000069	0.000087	mg/l		8270C-S	06/19/13	1.74
Dibenzofuran	0.0020	0.000011	0.000018	0.000087	mg/l		8270C-S	06/19/13	1.74
Fluoranthene	0.000043	0.000016	0.000027	0.000087	mg/l	J	8270C-S	06/19/13	1.74
Fluorene	0.0013	0.0000085	0.000015	0.000087	mg/l		8270C-S	06/19/13	1.74
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000026	0.000087	mg/l		8270C-S	06/19/13	1.74
Naphthalene	0.019	0.000020	0.000034	0.00044	mg/l		8270C-S	06/19/13	1.74
Phenanthrene	0.00072	0.0000082	0.000014	0.000087	mg/l		8270C-S	06/19/13	1.74
Pyrene	0.00028	0.000012	0.000020	0.000087	mg/l		8270C-S	06/19/13	1.74
1-Methylnaphthalene	0.011	0.0000082	0.000014	0.00044	mg/l		8270C-S	06/19/13	1.74
2-Methylnaphthalene	0.0097	0.0000090	0.000016	0.00044	mg/l		8270C-S	06/19/13	1.74
2-Chloronaphthalene	0.000034	0.0000065	0.000011	0.00044	mg/l	J	8270C-S	06/19/13	1.74
Surrogate Recovery									
Nitrobenzene-d5	128.				% Rec.		8270C-S	06/19/13	1.74
2-Fluorobiphenyl	109.				% Rec.		8270C-S	06/19/13	1.74
p-Terphenyl-d14	102.				% Rec.		8270C-S	06/19/13	1.74

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L641641-03 (PAHSIMLVI) - Dilution due to sample volume



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REPORT OF ANALYSIS

June 25, 2013

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Date Received : June 15, 2013
Description : Hugh Gathering

Sample ID : MW-4

Collected By : Kathleen Buxton
Collection Date : 06/13/13 17:55

ESC Sample # : L641641-04

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.22	0.00033	0.0033	0.010	mg/l		8260B	06/19/13	10
Toluene	0.028	0.00078	0.0078	0.050	mg/l	J	8260B	06/19/13	10
Ethylbenzene	0.098	0.00038	0.0038	0.010	mg/l		8260B	06/19/13	10
Total Xylenes	0.097	0.0011	0.011	0.030	mg/l		8260B	06/19/13	10
Surrogate Recovery									
Toluene-d8	105.				% Rec.		8260B	06/19/13	10
Dibromofluoromethane	94.1				% Rec.		8260B	06/19/13	10
a,a,a-Trifluorotoluene	108.				% Rec.		8260B	06/19/13	10
4-Bromofluorobenzene	100.				% Rec.		8260B	06/19/13	10
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.0049	0.0000076	0.00015	0.0010	mg/l		8270C-S	06/20/13	20
Acenaphthene	0.0078	0.0000082	0.00016	0.0010	mg/l		8270C-S	06/20/13	20
Acenaphthylene	0.0030	0.0000068	0.00014	0.0010	mg/l		8270C-S	06/20/13	20
Benzo(a)anthracene	0.00041	0.000012	0.00024	0.0010	mg/l	J	8270C-S	06/20/13	20
Benzo(a)pyrene	0.00034	0.000012	0.00023	0.0010	mg/l	J	8270C-S	06/20/13	20
Benzo(b)fluoranthene	0.00093	0.000014	0.00028	0.0010	mg/l	J	8270C-S	06/20/13	20
Benzo(g,h,i)perylene	0.00036	0.000011	0.00023	0.0010	mg/l	J	8270C-S	06/20/13	20
Benzo(k)fluoranthene	U	0.000014	0.00027	0.0010	mg/l		8270C-S	06/20/13	20
Chrysene	0.0012	0.000011	0.00022	0.0010	mg/l		8270C-S	06/20/13	20
Dibenz(a,h)anthracene	0.00021	0.0000040	0.000079	0.0010	mg/l	J	8270C-S	06/20/13	20
Dibenzofuran	0.020	0.0000011	0.000021	0.0010	mg/l		8270C-S	06/20/13	20
Fluoranthene	0.00063	0.000016	0.00031	0.0010	mg/l	J	8270C-S	06/20/13	20
Fluorene	0.015	0.0000085	0.00017	0.0010	mg/l		8270C-S	06/20/13	20
Indeno(1,2,3-cd)pyrene	U	0.000015	0.00030	0.0010	mg/l		8270C-S	06/20/13	20
Naphthalene	0.15	0.000020	0.00040	0.0050	mg/l		8270C-S	06/20/13	20
Phenanthrene	0.025	0.0000082	0.00016	0.0010	mg/l		8270C-S	06/20/13	20
Pyrene	0.0030	0.000012	0.00023	0.0010	mg/l		8270C-S	06/20/13	20
1-Methylnaphthalene	0.20	0.0000082	0.00016	0.0050	mg/l		8270C-S	06/20/13	20
2-Methylnaphthalene	0.18	0.0000090	0.00018	0.0050	mg/l		8270C-S	06/20/13	20
2-Chloronaphthalene	U	0.0000065	0.00013	0.0050	mg/l		8270C-S	06/20/13	20
Surrogate Recovery									
Nitrobenzene-d5	467.				% Rec.	J7	8270C-S	06/20/13	20
2-Fluorobiphenyl	108.				% Rec.	J7	8270C-S	06/20/13	20
p-Terphenyl-d14	120.				% Rec.	J7	8270C-S	06/20/13	20

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Hugh Gathering

Sample ID : MW-5

Collected By : Kathleen Buxton
Collection Date : 06/13/13 18:10

ESC Sample # : L641641-05

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/19/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/19/13	1	
Ethylbenzene	0.024	0.00038	0.00038	0.0010	mg/l	8260B	06/19/13	1	
Total Xylenes	0.0063	0.0011	0.0011	0.0030	mg/l	8260B	06/19/13	1	
Surrogate Recovery									
Toluene-d8	103.				% Rec.	8260B	06/19/13	1	
Dibromofluoromethane	97.0				% Rec.	8260B	06/19/13	1	
a,a,a-Trifluorotoluene	108.				% Rec.	8260B	06/19/13	1	
4-Bromofluorobenzene	101.				% Rec.	8260B	06/19/13	1	

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Hugh Gathering

Sample ID : MW-6

Collected By : Kathleen Buxton
Collection Date : 06/13/13 17:10

ESC Sample # : L641641-06

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	06/19/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	06/19/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	06/19/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	06/19/13	1
Surrogate Recovery									
Toluene-d8	105.				% Rec.		8260B	06/19/13	1
Dibromofluoromethane	96.4				% Rec.		8260B	06/19/13	1
a,a,a-Trifluorotoluene	108.				% Rec.		8260B	06/19/13	1
4-Bromofluorobenzene	99.2				% Rec.		8260B	06/19/13	1
Polynuclear Aromatic Hydrocarbons									
Anthracene	U	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthene	0.0000087	0.0000082	0.0000082	0.000050	mg/l	J	8270C-S	06/19/13	1
Acenaphthylene	U	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Chrysene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/19/13	1
Dibenzofuran	0.0000069	0.0000011	0.0000010	0.000050	mg/l	J	8270C-S	06/19/13	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	06/19/13	1
Fluorene	U	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/19/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/19/13	1
Naphthalene	0.000047	0.000020	0.000020	0.00025	mg/l	J	8270C-S	06/19/13	1
Phenanthrene	U	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
1-Methylnaphthalene	0.000034	0.0000082	0.0000082	0.00025	mg/l	J	8270C-S	06/19/13	1
2-Methylnaphthalene	0.000012	0.0000090	0.0000090	0.00025	mg/l	J	8270C-S	06/19/13	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/19/13	1
Surrogate Recovery									
Nitrobenzene-d5	118.				% Rec.		8270C-S	06/19/13	1
2-Fluorobiphenyl	132.				% Rec.		8270C-S	06/19/13	1
p-Terphenyl-d14	135.				% Rec.		8270C-S	06/19/13	1

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Hugh Gathering

Sample ID : MW-7

Collected By : Kathleen Buxton
Collection Date : 06/13/13 17:50

ESC Sample # : L641641-07

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.0027	0.00033	0.00033	0.0010	mg/l		8260B	06/19/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	06/19/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	06/19/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	06/19/13	1
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	06/19/13	1
Dibromofluoromethane	98.0				% Rec.		8260B	06/19/13	1
a,a,a-Trifluorotoluene	108.				% Rec.		8260B	06/19/13	1
4-Bromofluorobenzene	100.				% Rec.		8260B	06/19/13	1
Polynuclear Aromatic Hydrocarbons									
Anthracene	U	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthene	U	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthylene	U	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Chrysene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/19/13	1
Dibenzofuran	0.000032	0.000011	0.000010	0.000050	mg/l	J	8270C-S	06/19/13	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	06/19/13	1
Fluorene	0.000016	0.0000085	0.0000085	0.000050	mg/l	J	8270C-S	06/19/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/19/13	1
Naphthalene	0.00017	0.000020	0.000020	0.00025	mg/l	J	8270C-S	06/19/13	1
Phenanthrene	0.0000088	0.0000082	0.0000082	0.000050	mg/l	J	8270C-S	06/19/13	1
Pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
1-Methylnaphthalene	0.00015	0.000082	0.000082	0.00025	mg/l	J	8270C-S	06/19/13	1
2-Methylnaphthalene	0.000042	0.0000090	0.0000090	0.00025	mg/l	J	8270C-S	06/19/13	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/19/13	1
Surrogate Recovery									
Nitrobenzene-d5	119.				% Rec.		8270C-S	06/19/13	1
2-Fluorobiphenyl	132.				% Rec.		8270C-S	06/19/13	1
p-Terphenyl-d14	133.				% Rec.		8270C-S	06/19/13	1

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Hugh Gathering

Sample ID : MW-8

Collected By : Kathleen Buxton
Collection Date : 06/13/13 19:30

ESC Sample # : L641641-08

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	1.3	0.00033	0.0033	0.010	mg/l		8260B	06/19/13	10
Toluene	0.41	0.00078	0.0078	0.050	mg/l		8260B	06/19/13	10
Ethylbenzene	0.56	0.00038	0.0038	0.010	mg/l		8260B	06/19/13	10
Total Xylenes	1.1	0.0011	0.011	0.030	mg/l		8260B	06/19/13	10
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	06/19/13	10
Dibromofluoromethane	94.7				% Rec.		8260B	06/19/13	10
a,a,a-Trifluorotoluene	106.				% Rec.		8260B	06/19/13	10
4-Bromofluorobenzene	97.8				% Rec.		8260B	06/19/13	10
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.00020	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthene	0.00074	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthylene	0.00031	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)anthracene	0.000018	0.000012	0.000012	0.000050	mg/l	J	8270C-S	06/19/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(b)fluoranthene	0.000020	0.000014	0.000014	0.000050	mg/l	J	8270C-S	06/19/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Chrysene	0.000039	0.000011	0.000011	0.000050	mg/l	J	8270C-S	06/19/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/19/13	1
Dibenzofuran	0.0035	0.000011	0.000010	0.000050	mg/l		8270C-S	06/19/13	1
Fluoranthene	0.000021	0.000016	0.000016	0.000050	mg/l	J	8270C-S	06/19/13	1
Fluorene	0.0019	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/19/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/19/13	1
Naphthalene	0.093	0.000020	0.00040	0.0050	mg/l		8270C-S	06/20/13	20
Phenanthrene	0.0024	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Pyrene	0.00011	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
1-Methylnaphthalene	0.055	0.0000082	0.00016	0.0050	mg/l		8270C-S	06/20/13	20
2-Methylnaphthalene	0.058	0.0000090	0.00018	0.0050	mg/l		8270C-S	06/20/13	20
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/19/13	1
Surrogate Recovery									
Nitrobenzene-d5	81.0				% Rec.	J7	8270C-S	06/20/13	20
2-Fluorobiphenyl	126.				% Rec.		8270C-S	06/19/13	1
p-Terphenyl-d14	132.				% Rec.		8270C-S	06/19/13	1

U = ND (Not Detected) = Less than SDL

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Hugh Gathering

Sample ID : MW-9

Collected By : Kathleen Buxton
Collection Date : 06/13/13 20:15

ESC Sample # : L641641-09

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	3.0	0.00033	0.016	0.050	mg/l		8260B	06/21/13	50
Toluene	0.25	0.00078	0.0078	0.050	mg/l		8260B	06/19/13	10
Ethylbenzene	0.32	0.00038	0.0038	0.010	mg/l		8260B	06/19/13	10
Total Xylenes	0.54	0.0011	0.011	0.030	mg/l		8260B	06/19/13	10
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	06/19/13	10
Dibromofluoromethane	96.7				% Rec.		8260B	06/19/13	10
a,a,a-Trifluorotoluene	107.				% Rec.		8260B	06/19/13	10
4-Bromofluorobenzene	91.7				% Rec.		8260B	06/19/13	10
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.00014	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthene	0.00058	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthylene	0.00028	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(b)fluoranthene	0.000014	0.000014	0.000014	0.000050	mg/l	J	8270C-S	06/19/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Chrysene	0.000025	0.000011	0.000011	0.000050	mg/l	J	8270C-S	06/19/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/19/13	1
Dibenzofuran	0.0030	0.000011	0.000010	0.000050	mg/l		8270C-S	06/19/13	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	06/19/13	1
Fluorene	0.0016	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/19/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/19/13	1
Naphthalene	0.037	0.000020	0.000020	0.00025	mg/l		8270C-S	06/19/13	1
Phenanthrene	0.0018	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Pyrene	0.000077	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
1-Methylnaphthalene	0.034	0.0000082	0.0000082	0.00025	mg/l		8270C-S	06/19/13	1
2-Methylnaphthalene	0.028	0.0000090	0.0000090	0.00025	mg/l		8270C-S	06/19/13	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/19/13	1
Surrogate Recovery									
Nitrobenzene-d5	147.				% Rec.		8270C-S	06/19/13	1
2-Fluorobiphenyl	126.				% Rec.		8270C-S	06/19/13	1
p-Terphenyl-d14	144.				% Rec.		8270C-S	06/19/13	1

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Hugh Gathering

Sample ID : MW-10

Collected By : Kathleen Buxton
Collection Date : 06/13/13 17:10

ESC Sample # : L641641-10

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.63	0.00033	0.0033	0.010	mg/l		8260B	06/21/13	10
Toluene	U	0.00078	0.0078	0.050	mg/l		8260B	06/21/13	10
Ethylbenzene	0.067	0.00038	0.0038	0.010	mg/l		8260B	06/21/13	10
Total Xylenes	0.097	0.0011	0.011	0.030	mg/l		8260B	06/21/13	10
Surrogate Recovery									
Toluene-d8	98.8				% Rec.		8260B	06/21/13	10
Dibromofluoromethane	93.7				% Rec.		8260B	06/21/13	10
a,a,a-Trifluorotoluene	99.3				% Rec.		8260B	06/21/13	10
4-Bromofluorobenzene	107.				% Rec.		8260B	06/21/13	10
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.00014	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/21/13	1
Acenaphthene	0.00072	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/21/13	1
Acenaphthylene	0.00034	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/21/13	1
Benzo(a)anthracene	0.000066	0.000012	0.000012	0.000050	mg/l		8270C-S	06/21/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/21/13	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/21/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/21/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/21/13	1
Chrysene	0.000040	0.000011	0.000011	0.000050	mg/l	J	8270C-S	06/21/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/21/13	1
Dibenzofuran	U	0.000011	0.000010	0.000050	mg/l		8270C-S	06/21/13	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	06/21/13	1
Fluorene	0.0017	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/21/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/21/13	1
Naphthalene	0.028	0.000020	0.000020	0.00025	mg/l		8270C-S	06/21/13	1
Phenanthrene	0.0021	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/21/13	1
Pyrene	0.000068	0.000012	0.000012	0.000050	mg/l		8270C-S	06/21/13	1
1-Methylnaphthalene	0.037	0.0000082	0.0000082	0.00025	mg/l		8270C-S	06/21/13	1
2-Methylnaphthalene	0.015	0.0000090	0.0000090	0.00025	mg/l		8270C-S	06/21/13	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/21/13	1
Surrogate Recovery									
Nitrobenzene-d5	90.8				% Rec.		8270C-S	06/21/13	1
2-Fluorobiphenyl	90.9				% Rec.		8270C-S	06/21/13	1
p-Terphenyl-d14	102.				% Rec.		8270C-S	06/21/13	1

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Hugh Gathering

Sample ID : MW-11

Collected By : Kathleen Buxton
Collection Date : 06/13/13 16:30

ESC Sample # : L641641-11

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/19/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/19/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/19/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/19/13	1	
Surrogate Recovery									
Toluene-d8	102.				% Rec.	8260B	06/19/13	1	
Dibromofluoromethane	96.8				% Rec.	8260B	06/19/13	1	
a,a,a-Trifluorotoluene	108.				% Rec.	8260B	06/19/13	1	
4-Bromofluorobenzene	96.3				% Rec.	8260B	06/19/13	1	

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Hugh Gathering

Sample ID : MW-12

Collected By : Kathleen Buxton
Collection Date : 06/13/13 20:40

ESC Sample # : L641641-12

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.0069	0.00033	0.00033	0.0010	mg/l		8260B	06/19/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	06/19/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	06/19/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	06/19/13	1
Surrogate Recovery									
Toluene-d8	105.				% Rec.		8260B	06/19/13	1
Dibromofluoromethane	97.1				% Rec.		8260B	06/19/13	1
a,a,a-Trifluorotoluene	107.				% Rec.		8260B	06/19/13	1
4-Bromofluorobenzene	102.				% Rec.		8260B	06/19/13	1
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.000015	0.0000076	0.0000076	0.000050	mg/l	J	8270C-S	06/19/13	1
Acenaphthene	0.000066	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthylene	0.000067	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)anthracene	0.000012	0.000012	0.000012	0.000050	mg/l	J	8270C-S	06/19/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Chrysene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/19/13	1
Dibenzofuran	0.00093	0.000011	0.000010	0.000050	mg/l		8270C-S	06/19/13	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	06/19/13	1
Fluorene	0.00035	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/19/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/19/13	1
Naphthalene	0.00029	0.000020	0.000020	0.00025	mg/l		8270C-S	06/19/13	1
Phenanthrene	0.00033	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
1-Methylnaphthalene	0.00022	0.0000082	0.0000082	0.00025	mg/l	J	8270C-S	06/19/13	1
2-Methylnaphthalene	0.000024	0.0000090	0.0000090	0.00025	mg/l	J	8270C-S	06/19/13	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/19/13	1
Surrogate Recovery									
Nitrobenzene-d5	125.				% Rec.		8270C-S	06/19/13	1
2-Fluorobiphenyl	122.				% Rec.		8270C-S	06/19/13	1
p-Terphenyl-d14	104.				% Rec.		8270C-S	06/19/13	1

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 25, 2013

Date Received : June 15, 2013
Description : Hugh Gathering

Sample ID : MW-13

Collected By : Kathleen Buxton
Collection Date : 06/13/13 19:00

ESC Sample # : L641641-13

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.41	0.00033	0.0033	0.010	mg/l		8260B	06/21/13	10
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	06/19/13	1
Ethylbenzene	0.00055	0.00038	0.00038	0.0010	mg/l	J	8260B	06/19/13	1
Total Xylenes	0.0079	0.0011	0.0011	0.0030	mg/l		8260B	06/19/13	1
Surrogate Recovery									
Toluene-d8	104.				% Rec.		8260B	06/19/13	1
Dibromofluoromethane	97.1				% Rec.		8260B	06/19/13	1
a,a,a-Trifluorotoluene	106.				% Rec.		8260B	06/19/13	1
4-Bromofluorobenzene	93.3				% Rec.		8260B	06/19/13	1
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.000058	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthene	0.00011	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Acenaphthylene	0.000057	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/19/13	1
Chrysene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/19/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/19/13	1
Dibenzofuran	0.0011	0.000011	0.000010	0.000050	mg/l		8270C-S	06/19/13	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	06/19/13	1
Fluorene	0.00043	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/19/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/19/13	1
Naphthalene	0.0034	0.000020	0.000020	0.00025	mg/l		8270C-S	06/19/13	1
Phenanthrene	0.00079	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/19/13	1
Pyrene	0.000017	0.000012	0.000012	0.000050	mg/l	J	8270C-S	06/19/13	1
1-Methylnaphthalene	0.0051	0.0000082	0.0000082	0.00025	mg/l		8270C-S	06/19/13	1
2-Methylnaphthalene	0.0034	0.0000090	0.0000090	0.00025	mg/l		8270C-S	06/19/13	1
2-Chloronaphthalene	0.00040	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/19/13	1
Surrogate Recovery									
Nitrobenzene-d5	125.				% Rec.		8270C-S	06/19/13	1
2-Fluorobiphenyl	125.				% Rec.		8270C-S	06/19/13	1
p-Terphenyl-d14	130.				% Rec.		8270C-S	06/19/13	1

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 06/25/13 07:18 Printed: 06/25/13 07:19

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L641641-01	WG667054	SAMP	Benzo(a)anthracene	R2716203	J
	WG667054	SAMP	Chrysene	R2716203	J
	WG667054	SAMP	Fluoranthene	R2716203	J
	WG667054	SAMP	2-Chloronaphthalene	R2716203	J
L641641-02	WG666870	SAMP	Toluene	R2716261	J
	WG667054	SAMP	Chrysene	R2716203	J
	WG667054	SAMP	Fluoranthene	R2716203	J
	WG667054	SAMP	2-Chloronaphthalene	R2716203	J
L641641-03	WG666870	SAMP	Toluene	R2716261	J
	WG667054	SAMP	Benzo(a)anthracene	R2716203	J
	WG667054	SAMP	Benzo(b)fluoranthene	R2716203	J
	WG667054	SAMP	Benzo(g,h,i)perylene	R2716203	J
L641641-04	WG667054	SAMP	Benzo(k)fluoranthene	R2716203	J
	WG667054	SAMP	Fluoranthene	R2716203	J
	WG667054	SAMP	2-Chloronaphthalene	R2716203	J
	WG666870	SAMP	Toluene	R2716261	J
	WG667311	SAMP	Benzo(a)anthracene	R2715241	J
	WG667311	SAMP	Benzo(a)pyrene	R2715241	J
	WG667311	SAMP	Benzo(b)fluoranthene	R2715241	J
	WG667311	SAMP	Benzo(g,h,i)perylene	R2715241	J
	WG667311	SAMP	Dibenz(a,h)anthracene	R2715241	J
	WG667311	SAMP	Fluoranthene	R2715241	J
	WG667311	SAMP	Nitrobenzene-d5	R2715241	J7
	WG667311	SAMP	2-Fluorobiphenyl	R2715241	J7
L641641-06	WG667311	SAMP	p-Terphenyl-d14	R2715241	J7
	WG666870	SAMP	Toluene	R2716261	J
	WG667311	SAMP	Acenaphthene	R2715241	J
	WG667311	SAMP	Dibenzofuran	R2715241	J
	WG667311	SAMP	Naphthalene	R2715241	J
	WG667311	SAMP	1-Methylnaphthalene	R2715241	J
L641641-07	WG667311	SAMP	2-Methylnaphthalene	R2715241	J
	WG667311	SAMP	Dibenzofuran	R2715241	J
	WG667311	SAMP	Fluorene	R2715241	J
	WG667311	SAMP	Naphthalene	R2715241	J
	WG667311	SAMP	Phenanthrene	R2715241	J
	WG667311	SAMP	1-Methylnaphthalene	R2715241	J
L641641-08	WG667311	SAMP	2-Methylnaphthalene	R2715241	J
	WG667311	SAMP	Benzo(a)anthracene	R2715241	J
	WG667311	SAMP	Benzo(b)fluoranthene	R2715241	J
	WG667311	SAMP	Chrysene	R2715241	J
	WG667311	SAMP	Fluoranthene	R2715241	J
	WG667311	SAMP	Nitrobenzene-d5	R2716849	J7
L641641-09	WG667311	SAMP	Benzo(b)fluoranthene	R2715241	J
	WG667311	SAMP	Chrysene	R2715241	J
L641641-10	WG667900	SAMP	Chrysene	R2718582	J
L641641-12	WG667311	SAMP	Anthracene	R2715241	J
	WG667311	SAMP	Benzo(a)anthracene	R2715241	J
	WG667311	SAMP	1-Methylnaphthalene	R2715241	J
L641641-13	WG667311	SAMP	2-Methylnaphthalene	R2715241	J
	WG667311	SAMP	Pyrene	R2715241	J
	WG666870	SAMP	Ethylbenzene	R2716261	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
06/25/13 at 07:19:04

TSR Signing Reports: 134
R5 - Desired TAT

Do not log for TS or QCTX, always log BTEXM by 8260

Sample: L641641-01 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:18
Sample: L641641-02 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:18
Sample: L641641-03 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:18
Sample: L641641-04 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:18
Sample: L641641-05 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:18
Sample: L641641-06 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:18
Sample: L641641-07 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:18
Sample: L641641-08 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:18
Sample: L641641-09 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:18
Sample: L641641-10 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:18
Sample: L641641-11 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:18
Sample: L641641-12 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:18
Sample: L641641-13 Account: PLAINSENT Received: 06/15/13 09:30 Due Date: 06/21/13 00:00 RPT Date: 06/25/13 07:18



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Tax I.D. 62-0814289

Est. 1970

Quality Assurance Report
Level II

June 25, 2013

L641641

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
1-Methylnaphthalene	< .00025	mg/l			WG667311	06/19/13 12:05
2-Chloronaphthalene	< .00005	mg/l			WG667311	06/19/13 12:05
2-Methylnaphthalene	< .00025	mg/l			WG667311	06/19/13 12:05
Acenaphthene	< .00005	mg/l			WG667311	06/19/13 12:05
Acenaphthylene	< .00005	mg/l			WG667311	06/19/13 12:05
Anthracene	< .00005	mg/l			WG667311	06/19/13 12:05
Benzo(a)anthracene	< .00005	mg/l			WG667311	06/19/13 12:05
Benzo(a)pyrene	< .00005	mg/l			WG667311	06/19/13 12:05
Benzo(b)fluoranthene	< .00005	mg/l			WG667311	06/19/13 12:05
Benzo(g,h,i)perylene	< .00005	mg/l			WG667311	06/19/13 12:05
Benzo(k)fluoranthene	< .00005	mg/l			WG667311	06/19/13 12:05
Chrysene	< .00005	mg/l			WG667311	06/19/13 12:05
Dibenz(a,h)anthracene	< .00005	mg/l			WG667311	06/19/13 12:05
Dibenzofuran	< .00005	mg/l			WG667311	06/19/13 12:05
Fluoranthene	< .00005	mg/l			WG667311	06/19/13 12:05
Fluorene	< .00005	mg/l			WG667311	06/19/13 12:05
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG667311	06/19/13 12:05
Naphthalene	< .00025	mg/l			WG667311	06/19/13 12:05
Phenanthrene	< .00005	mg/l			WG667311	06/19/13 12:05
Pyrene	< .00005	mg/l			WG667311	06/19/13 12:05
2-Fluorobiphenyl		% Rec.	143.0	64.4-143	WG667311	06/19/13 12:05
Nitrobenzene-d5		% Rec.	130.0	61.3-162	WG667311	06/19/13 12:05
p-Terphenyl-d14		% Rec.	142.0	55.3-145	WG667311	06/19/13 12:05
Benzene	< .001	mg/l			WG666870	06/19/13 16:21
Ethylbenzene	< .001	mg/l			WG666870	06/19/13 16:21
Toluene	< .005	mg/l			WG666870	06/19/13 16:21
Total Xylenes	< .003	mg/l			WG666870	06/19/13 16:21
4-Bromofluorobenzene		% Rec.	100.9	82-120	WG666870	06/19/13 16:21
Dibromofluoromethane		% Rec.	95.27	82-126	WG666870	06/19/13 16:21
Toluene-d8		% Rec.	103.4	92-112	WG666870	06/19/13 16:21
a,a,a-Trifluorotoluene		% Rec.	108.0	90-116	WG666870	06/19/13 16:21
Benzene	< .001	mg/l			WG667898	06/21/13 03:58
Ethylbenzene	< .001	mg/l			WG667898	06/21/13 03:58
Toluene	< .005	mg/l			WG667898	06/21/13 03:58
Total Xylenes	< .003	mg/l			WG667898	06/21/13 03:58
4-Bromofluorobenzene		% Rec.	105.7	82-120	WG667898	06/21/13 03:58
Dibromofluoromethane		% Rec.	93.31	82-126	WG667898	06/21/13 03:58
Toluene-d8		% Rec.	99.49	92-112	WG667898	06/21/13 03:58
a,a,a-Trifluorotoluene		% Rec.	98.16	90-116	WG667898	06/21/13 03:58
1-Methylnaphthalene	< .00025	mg/l			WG667900	06/21/13 12:02
2-Chloronaphthalene	< .00005	mg/l			WG667900	06/21/13 12:02
2-Methylnaphthalene	< .00025	mg/l			WG667900	06/21/13 12:02
Acenaphthene	< .00005	mg/l			WG667900	06/21/13 12:02
Acenaphthylene	< .00005	mg/l			WG667900	06/21/13 12:02
Anthracene	< .00005	mg/l			WG667900	06/21/13 12:02
Benzo(a)anthracene	< .00005	mg/l			WG667900	06/21/13 12:02
Benzo(a)pyrene	< .00005	mg/l			WG667900	06/21/13 12:02
Benzo(b)fluoranthene	< .00005	mg/l			WG667900	06/21/13 12:02
Benzo(g,h,i)perylene	< .00005	mg/l			WG667900	06/21/13 12:02
Benzo(k)fluoranthene	< .00005	mg/l			WG667900	06/21/13 12:02
Chrysene	< .00005	mg/l			WG667900	06/21/13 12:02
Dibenz(a,h)anthracene	< .00005	mg/l			WG667900	06/21/13 12:02
Dibenzofuran	< .00005	mg/l			WG667900	06/21/13 12:02

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Quality Assurance Report
Level II

June 25, 2013

L641641

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Fluoranthene	< .00005	mg/l			WG667900	06/21/13 12:02
Fluorene	< .00005	mg/l			WG667900	06/21/13 12:02
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG667900	06/21/13 12:02
Naphthalene	< .00025	mg/l			WG667900	06/21/13 12:02
Phenanthrene	< .00005	mg/l			WG667900	06/21/13 12:02
Pyrene	< .00005	mg/l			WG667900	06/21/13 12:02
2-Fluorobiphenyl		% Rec.	108.0	64.4-143	WG667900	06/21/13 12:02
Nitrobenzene-d5		% Rec.	91.10	61.3-162	WG667900	06/21/13 12:02
p-Terphenyl-d14		% Rec.	100.0	55.3-145	WG667900	06/21/13 12:02

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
1-Methylnaphthalene	mg/l	.002	0.00239	119.	71.2-137	WG667311
2-Chloronaphthalene	mg/l	.002	0.00241	121.	81.1-129	WG667311
2-Methylnaphthalene	mg/l	.002	0.00241	121.	69.8-134	WG667311
Acenaphthene	mg/l	.002	0.00242	121.	80.8-128	WG667311
Acenaphthylene	mg/l	.002	0.00243	121.	77.2-132	WG667311
Anthracene	mg/l	.002	0.00259	129.	78.4-136	WG667311
Benzo(a)anthracene	mg/l	.002	0.00246	123.	69.2-141	WG667311
Benzo(a)pyrene	mg/l	.002	0.00235	118.	71.1-135	WG667311
Benzo(b)fluoranthene	mg/l	.002	0.00230	115.	69.5-140	WG667311
Benzo(g,h,i)perylene	mg/l	.002	0.00211	105.	64.6-138	WG667311
Benzo(k)fluoranthene	mg/l	.002	0.00221	111.	69.3-144	WG667311
Chrysene	mg/l	.002	0.00238	119.	75.6-138	WG667311
Dibenz(a,h)anthracene	mg/l	.002	0.00199	99.4	64.1-139	WG667311
Dibenzofuran	mg/l	.002	0.00241	120.	70-130	WG667311
Fluoranthene	mg/l	.002	0.00249	124.	78.6-135	WG667311
Fluorene	mg/l	.002	0.00242	121.	78.3-131	WG667311
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00198	98.9	64.8-140	WG667311
Naphthalene	mg/l	.002	0.00224	112.	80.2-126	WG667311
Phenanthrene	mg/l	.002	0.00234	117.	79.6-130	WG667311
Pyrene	mg/l	.002	0.00252	126.	76.6-134	WG667311
2-Fluorobiphenyl				127.0	64.4-143	WG667311
Nitrobenzene-d5				114.0	61.3-162	WG667311
p-Terphenyl-d14				127.0	55.3-145	WG667311
Benzene	mg/l	.025	0.0224	89.5	72-119	WG666870
Ethylbenzene	mg/l	.025	0.0256	103.	77-124	WG666870
Toluene	mg/l	.025	0.0229	91.7	75-114	WG666870
Total Xylenes	mg/l	.075	0.0740	98.6	77-123	WG666870
4-Bromofluorobenzene				100.6	82-120	WG666870
Dibromofluoromethane				96.25	82-126	WG666870
Toluene-d8				103.7	92-112	WG666870
a,a,a-Trifluorotoluene				108.0	90-116	WG666870
Benzene	mg/l	.025	0.0255	102.	72-119	WG667898
Ethylbenzene	mg/l	.025	0.0252	101.	77-124	WG667898
Toluene	mg/l	.025	0.0251	100.	75-114	WG667898
Total Xylenes	mg/l	.075	0.0758	101.	77-123	WG667898
4-Bromofluorobenzene				98.04	82-120	WG667898
Dibromofluoromethane				95.53	82-126	WG667898
Toluene-d8				98.42	92-112	WG667898
a,a,a-Trifluorotoluene				102.1	90-116	WG667898
1-Methylnaphthalene	mg/l	.002	0.00261	131.	71.2-137	WG667900

* Performance of this Analyte is outside of established criteria.

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Quality Assurance Report
Level II

June 25, 2013

L641641

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
2-Chloronaphthalene	mg/l	.002	0.00215	107.	81.1-129	WG667900
2-Methylnaphthalene	mg/l	.002	0.00268	134.	69.8-134	WG667900
Acenaphthene	mg/l	.002	0.00217	108.	80.8-128	WG667900
Acenaphthylene	mg/l	.002	0.00197	98.7	77.2-132	WG667900
Anthracene	mg/l	.002	0.00215	107.	78.4-136	WG667900
Benzo(a)anthracene	mg/l	.002	0.00201	101.	69.2-141	WG667900
Benzo(a)pyrene	mg/l	.002	0.00205	103.	71.1-135	WG667900
Benzo(b)fluoranthene	mg/l	.002	0.00206	103.	69.5-140	WG667900
Benzo(g,h,i)perylene	mg/l	.002	0.00196	98.2	64.6-138	WG667900
Benzo(k)fluoranthene	mg/l	.002	0.00189	94.5	69.3-144	WG667900
Chrysene	mg/l	.002	0.00206	103.	75.6-138	WG667900
Dibenz(a,h)anthracene	mg/l	.002	0.00191	95.7	64.1-139	WG667900
Dibenzofuran	mg/l	.002	0.00219	109.	70-130	WG667900
Fluoranthene	mg/l	.002	0.00216	108.	78.6-135	WG667900
Fluorene	mg/l	.002	0.00217	109.	78.3-131	WG667900
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00188	93.8	64.8-140	WG667900
Naphthalene	mg/l	.002	0.00239	119.	80.2-126	WG667900
Phenanthrene	mg/l	.002	0.00206	103.	79.6-130	WG667900
Pyrene	mg/l	.002	0.00203	101.	76.6-134	WG667900
2-Fluorobiphenyl				107.0	64.4-143	WG667900
Nitrobenzene-d5				94.20	61.3-162	WG667900
p-Terphenyl-d14				98.50	55.3-145	WG667900

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
1-Methylnaphthalene	mg/l	0.00243	0.00239	121.	71.2-137	1.75	20	WG667311
2-Chloronaphthalene	mg/l	0.00245	0.00241	123.	81.1-129	1.66	20	WG667311
2-Methylnaphthalene	mg/l	0.00245	0.00241	122.	69.8-134	1.54	20	WG667311
Acenaphthene	mg/l	0.00247	0.00242	124.	80.8-128	1.99	20	WG667311
Acenaphthylene	mg/l	0.00249	0.00243	124.	77.2-132	2.35	20	WG667311
Anthracene	mg/l	0.00265	0.00259	132.	78.4-136	2.20	20	WG667311
Benzo(a)anthracene	mg/l	0.00252	0.00246	126.	69.2-141	2.12	20	WG667311
Benzo(a)pyrene	mg/l	0.00244	0.00235	122.	71.1-135	3.79	20	WG667311
Benzo(b)fluoranthene	mg/l	0.00230	0.00230	115.	69.5-140	0.270	20	WG667311
Benzo(g,h,i)perylene	mg/l	0.00209	0.00211	104.	64.6-138	0.970	20	WG667311
Benzo(k)fluoranthene	mg/l	0.00229	0.00221	114.	69.3-144	3.51	20	WG667311
Chrysene	mg/l	0.00241	0.00238	120.	75.6-138	1.29	20	WG667311
Dibenz(a,h)anthracene	mg/l	0.00191	0.00199	96.0	64.1-139	3.82	20	WG667311
Dibenzofuran	mg/l	0.00248	0.00241	124.	70-130	2.88	20	WG667311
Fluoranthene	mg/l	0.00251	0.00249	126.	78.6-135	1.01	20	WG667311
Fluorene	mg/l	0.00246	0.00242	123.	78.3-131	1.65	20	WG667311
Indeno(1,2,3-cd)pyrene	mg/l	0.00194	0.00198	97.0	64.8-140	2.16	20	WG667311
Naphthalene	mg/l	0.00226	0.00224	113.	80.2-126	0.820	20	WG667311
Phenanthrene	mg/l	0.00238	0.00234	119.	79.6-130	1.73	20	WG667311
Pyrene	mg/l	0.00256	0.00252	128.	76.6-134	1.74	20	WG667311
2-Fluorobiphenyl				126.0	64.4-143			WG667311
Nitrobenzene-d5				114.0	61.3-162			WG667311
p-Terphenyl-d14				128.0	55.3-145			WG667311
Benzene	mg/l	0.0226	0.0224	90.0	72-119	0.860	20	WG666870
Ethylbenzene	mg/l	0.0240	0.0256	96.0	77-124	6.48	20	WG666870
Toluene	mg/l	0.0227	0.0229	91.0	75-114	1.09	20	WG666870
Total Xylenes	mg/l	0.0685	0.0740	91.0	77-123	7.69	20	WG666870
4-Bromofluorobenzene				89.66	82-120			WG666870
Dibromofluoromethane				95.33	82-126			WG666870
Toluene-d8				101.7	92-112			WG666870
a,a,a-Trifluorotoluene				106.0	90-116			WG666870

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

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Tax I.D. 62-0814289

Est. 1970

Quality Assurance Report
Level II

June 25, 2013

L641641

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0243	0.0255	97.0	72-119	4.91	20	WG667898
Ethylbenzene	mg/l	0.0240	0.0252	96.0	77-124	4.86	20	WG667898
Toluene	mg/l	0.0239	0.0251	96.0	75-114	4.81	20	WG667898
Total Xylenes	mg/l	0.0710	0.0758	95.0	77-123	6.63	20	WG667898
4-Bromofluorobenzene				99.43	82-120			WG667898
Dibromofluoromethane				92.87	82-126			WG667898
Toluene-d8				98.99	92-112			WG667898
a,a,a-Trifluorotoluene				96.70	90-116			WG667898
1-Methylnaphthalene	mg/l	0.00229	0.00261	114.	71.2-137	13.2	20	WG667900
2-Chloronaphthalene	mg/l	0.00213	0.00215	107.	81.1-129	0.800	20	WG667900
2-Methylnaphthalene	mg/l	0.00231	0.00268	116.	69.8-134	14.6	20	WG667900
Acenaphthene	mg/l	0.00214	0.00217	107.	80.8-128	1.50	20	WG667900
Acenaphthylene	mg/l	0.00195	0.00197	98.0	77.2-132	0.960	20	WG667900
Anthracene	mg/l	0.00213	0.00215	106.	78.4-136	0.880	20	WG667900
Benzo(a)anthracene	mg/l	0.00199	0.00201	100.	69.2-141	1.12	20	WG667900
Benzo(a)pyrene	mg/l	0.00202	0.00205	101.	71.1-135	1.54	20	WG667900
Benzo(b)fluoranthene	mg/l	0.00192	0.00206	96.0	69.5-140	6.76	20	WG667900
Benzo(g,h,i)perylene	mg/l	0.00193	0.00196	96.0	64.6-138	1.74	20	WG667900
Benzo(k)fluoranthene	mg/l	0.00196	0.00189	98.0	69.3-144	3.65	20	WG667900
Chrysene	mg/l	0.00209	0.00206	104.	75.6-138	1.38	20	WG667900
Dibenz(a,h)anthracene	mg/l	0.00188	0.00191	94.0	64.1-139	1.67	20	WG667900
Dibenzofuran	mg/l	0.00216	0.00219	108.	70-130	1.22	20	WG667900
Fluoranthene	mg/l	0.00214	0.00216	107.	78.6-135	0.890	20	WG667900
Fluorene	mg/l	0.00214	0.00217	107.	78.3-131	1.54	20	WG667900
Indeno(1,2,3-cd)pyrene	mg/l	0.00185	0.00188	92.0	64.8-140	1.46	20	WG667900
Naphthalene	mg/l	0.00198	0.00239	99.0	80.2-126	18.7	20	WG667900
Phenanthrene	mg/l	0.00204	0.00206	102.	79.6-130	0.740	20	WG667900
Pyrene	mg/l	0.00204	0.00203	102.	76.6-134	0.630	20	WG667900
2-Fluorobiphenyl				107.0	64.4-143			WG667900
Nitrobenzene-d5				90.00	61.3-162			WG667900
p-Terphenyl-d14				100.0	55.3-145			WG667900

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Benzene	mg/l	0.0211	0	.025	84.4	51-134	L641466-33	WG667898
Ethylbenzene	mg/l	0.0209	0	.025	83.6	64-135	L641466-33	WG667898
Toluene	mg/l	0.0208	0	.025	83.3	61-126	L641466-33	WG667898
Total Xylenes	mg/l	0.0627	0	.075	83.7	64-133	L641466-33	WG667898
4-Bromofluorobenzene					99.92	82-120		WG667898
Dibromofluoromethane					96.22	82-126		WG667898
Toluene-d8					99.28	92-112		WG667898
a,a,a-Trifluorotoluene					101.2	90-116		WG667898
Benzene	mg/l	1.60	0.528	.025	85.8	51-134	L641631-15	WG666870
Ethylbenzene	mg/l	2.06	0.596	.025	117.	64-135	L641631-15	WG666870
Toluene	mg/l	4.37	3.18	.025	95.2	61-126	L641631-15	WG666870
Total Xylenes	mg/l	7.38	3.08	.075	114.	64-133	L641631-15	WG666870

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/l	0.0225	0.0211	89.9	51-134	6.40	20	L641466-33	WG667898
Ethylbenzene	mg/l	0.0223	0.0209	89.1	64-135	6.30	20	L641466-33	WG667898
Toluene	mg/l	0.0222	0.0208	88.7	61-126	6.31	20	L641466-33	WG667898
Total Xylenes	mg/l	0.0666	0.0627	88.8	64-133	5.90	20	L641466-33	WG667898

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

EnTech Consulting Corporation
Kathleen Buxton
21 Waterway Ave., Suite 300

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Quality Assurance Report
Level II

L641641

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1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

June 25, 2013

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
4-Bromofluorobenzene				100.0	82-120				
Dibromofluoromethane				96.20	82-126				
Toluene-d8				97.71	92-112				
a,a,a-Trifluorotoluene				99.49	90-116				
Benzene	mg/l	1.65	1.60	89.5	51-134	2.89	20	L641631-15	WG666870
Ethylbenzene	mg/l	2.04	2.06	115.	64-135	1.08	20	L641631-15	WG666870
Toluene	mg/l	4.42	4.37	99.5	61-126	1.23	20	L641631-15	WG666870
Total Xylenes	mg/l	7.53	7.38	119.	64-133	2.07	20	L641631-15	WG666870

Batch number /Run number / Sample number cross reference

WG667311: R2715241 R2716849: L641641-04 06 07 08 09 12 13
WG667054: R2716203: L641641-01 02 03
WG666870: R2716261: L641641-01 02 03 04 05 06 07 08 09 11 12 13
WG667898: R2717144: L641641-09 10 13
WG667900: R2718582: L641641-10

* * Calculations are performed prior to rounding of reported values.

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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June 25, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing information:

Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Analysis/Container/Preservative

D139



12065 Lebanon Road
Mt. Juliet, TN 37122

Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

Report to:

Kathleen Buxton

Email

kathleen.buxton@entechservi

Project

Description: Hugh Gathering

City/State
Collected

Phone: (979) 997-2338

FAX:

Client Project #:

PAA12006

Lab Project #

PLAINSENT-HUGH

Collected by (print):

Kathleen Buxton

Site/Facility ID#:

SRS - 2002-10235

P.O. #:

Collected by (signature):

Kathleen Buxton

Rush? (Lab MUST Be Notified)

Same Day 200%

Next Day 100%

Two Day 50%

Three Day 25%

Date Results Needed

Email? ☐ No ☒ Yes

FAX? ☐ No ☐ Yes

No.
of
Cntrs

PAHSIMLVI 40mlAmb-NoPres-WT

V8260BTEX 40mlAmb-HCI

Acctnum: PLAINSENT (lab use only)

Template/Prelogin: T86713 P429797

Cooler #: 5-13 KW

Shipped Via: FedEx Ground

Remarks/Contaminant Sample # (lab only)

LG41041 - 01

-02

-03

-04

-05

No PAH LBS -06

No PAH LBS -07

-08

-09

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH Temp

Flow Other

Relinquished by: (Signature)	Date: 6.14.13	Time:	Received by: (Signature)	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐	Condition: (lab use only)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Received by: (Signature)	Temp: 2.4°C	Bottles Received: 4/6 JTB
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Received for lab by: (Signature)	Date: 6/15/13	Time: 6:30
					COC Seal Intact: Y N NA	pH Checked: NCF
					YES	

Plains All American Pipeline -

Entech

21 Waterway Ave., Suite 300

The Woodlands, TX 77380

Billing information:

Accounts Payable
333 Clay St., Ste 1600

Houston, TX 77002

Analysis/Container/Preservative

Chain of Custody

Page ____ of ____



L.A.B S.C.I.E.N.C.E.S

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Phone: (615) 758-5858

Fax: (615) 758-5859

Report to:

Kathleen Buxton

Email:

kathleen.buxton@entechservi

Project

Description:

Hugh Gathering

City/State
Collected

Phone: (979) 997-2338

FAX:

Client Project #:

PAA12006

Lab Project #

PLAINSENT-HUGH

Collected by (print):

Kathleen Buxton

Site/Facility ID#:

SRS - 2002-10235

P.O.#:

Collected by (signature):

Kat Buxton

Rush? (Lab MUST Be Notified)

___ Same Day 200%

___ Next Day 100%

___ Two Day 50%

___ Three Day 25%

Date Results Needed

Email? ___ No ☒ Yes

FAX? ___ No ___ Yes

No.
of
Cntrs

PAHSIMLVI 40mlAmb-NoPres-WT

V8260BTEX 40mlAmb-HCI

Acctnum: **PLAINSENT** (lab use only)

Template/Prelogin **T86713 P429797**

Cooler #: **5-13 KW**

Shipped Via: **FedEX Ground**

Remarks/Contaminant Sample # (lab only)

LG41641 -10

N= PAH KRS -11

-12

-13

Sample ID

Comp/Grab

Matrix*

Depth

Date

Time

MW-10

MW-11

MW-12

MW-13

GW

GW

GW

GW

GW

GW

GW

GW

GW

GW

GW

6-13-13 2015

6-13-13 1630

6-13-13 2040

6-13-13 1900

24

2

24

24

2

2

2

2

2

2

2

X

X

X

X

X

X

X

X

X

X

X

*Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature) <i>Kat Buxton</i>	Date: 6-14-13	Time:	Received by: (Signature) <i>FedEx</i>	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐	Condition: (lab use only) YR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 24°C Bottles Received: 46 + 13	COC Seal Intact: ___ Y ___ N ___ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) AD E	Date: 6/15/13 Time: 1:30	pH Checked: NCF YES



NON-CONFORMANCE FORM

Login No. : L641641

Date: 06/15/13

Evaluated by: Adam E

Client: PLAINSENT

Non-Conformance (check applicable items)

- | | |
|---|---|
| ☐ Parameter(s) past holding time | ☒ Login Clarification Needed |
| ☐ Improper temperature | ☐ Chain of custody is incomplete |
| ☐ Improper container type | ☐ Chain of Custody is missing (see below) |
| ☐ Improper preservation | ☐ Broken container(s) (See below) |
| ☐ Container lid not intact | ☐ Broken container: sufficient sample
volume remains for analysis requested (See below) |

If no COC: Received by _____
Date: _____ Time: _____
Temp: _____ Cont. Rec _____ pH: _____
☐ Fedex ☐ UPS ☐ SWA ☐ Other _____
Tracking # _____

- ☐ Insufficient packing material around container
- ☐ Insufficient packing material inside cooler
- ☐ Improper handling by carrier (FedEx / UPS / Courier)
- ☐ Sample was frozen

Comments: MW-6, MW-7 has PAH marked out on the chain of custody, but still received vials. Please clarify

Login Instructions:

TSR Initials: MB

Client informed by call / email / fax / voice mail date: 6/17/13 time: 1345

Client contact: Kathleen Buxton

Log for PAHSIMLVI for MW-6 & MW-7 as well



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Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report Summary

Wednesday September 18, 2013

Report Number: L657162

Samples Received: 09/12/13

Client Project: PAA12006

Description: Hugh Gathering

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 18, 2013

Date Received : September 12, 2013
Description : Hugh Gathering
Sample ID : MW 7
Collected By : Shane A. Diller
Collection Date : 09/11/13 12:30

ESC Sample # : L657162-01

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	SQL	Units	Qual Method	Date	Dil.
Benzene	0.0046	0.00033	0.00033	0.0010	mg/l	8260B	09/14/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/14/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/14/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/14/13	1
Surrogate Recovery								
Toluene-d8	97.9				% Rec.	8260B	09/14/13	1
Dibromofluoromethane	103.				% Rec.	8260B	09/14/13	1
a,a,a-Trifluorotoluene	97.6				% Rec.	8260B	09/14/13	1
4-Bromofluorobenzene	101.				% Rec.	8260B	09/14/13	1

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 09/18/13 10:10 Printed: 09/18/13 10:10



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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 18, 2013

Date Received : September 12, 2013
Description : Hugh Gathering
Sample ID : MW 5
Collected By : Shane A. Diller
Collection Date : 09/11/13 12:20

ESC Sample # : L657162-02

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	0.00043	0.00033	0.00033	0.0010	mg/l	J	8260B	09/14/13	1
Toluene	0.00088	0.00078	0.00078	0.0050	mg/l	J	8260B	09/14/13	1
Ethylbenzene	0.084	0.00038	0.00038	0.0010	mg/l		8260B	09/14/13	1
Total Xylenes	0.026	0.0011	0.0011	0.0030	mg/l		8260B	09/14/13	1
Surrogate Recovery									
Toluene-d8	97.8				% Rec.		8260B	09/14/13	1
Dibromofluoromethane	106.				% Rec.		8260B	09/14/13	1
a,a,a-Trifluorotoluene	102.				% Rec.		8260B	09/14/13	1
4-Bromofluorobenzene	97.3				% Rec.		8260B	09/14/13	1

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 18, 2013

Date Received : September 12, 2013
Description : Hugh Gathering
Sample ID : MW 6
Collected By : Shane A. Diller
Collection Date : 09/11/13 12:25

ESC Sample # : L657162-03

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	09/14/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	09/14/13	1
Ethylbenzene	0.00046	0.00038	0.00038	0.0010	mg/l	J	8260B	09/14/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	09/14/13	1
Surrogate Recovery									
Toluene-d8	98.3				% Rec.		8260B	09/14/13	1
Dibromofluoromethane	105.				% Rec.		8260B	09/14/13	1
a,a,a-Trifluorotoluene	98.8				% Rec.		8260B	09/14/13	1
4-Bromofluorobenzene	95.6				% Rec.		8260B	09/14/13	1

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 09/18/13 10:10 Printed: 09/18/13 10:10



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Est. 1970

REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 18, 2013

Date Received : September 12, 2013
Description : Hugh Gathering
Sample ID : MW 11
Collected By : Shane A. Diller
Collection Date : 09/11/13 12:10

ESC Sample # : L657162-04

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/14/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/14/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/14/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/14/13	1	
Surrogate Recovery									
Toluene-d8	97.1				% Rec.	8260B	09/14/13	1	
Dibromofluoromethane	103.				% Rec.	8260B	09/14/13	1	
a,a,a-Trifluorotoluene	98.4				% Rec.	8260B	09/14/13	1	
4-Bromofluorobenzene	97.6				% Rec.	8260B	09/14/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 18, 2013

Date Received : September 12, 2013
Description : Hugh Gathering
Sample ID : MW 12
Collected By : Shane A. Diller
Collection Date : 09/11/13 12:40

ESC Sample # : L657162-05

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	0.0031	0.00033	0.00033	0.0010	mg/l	8260B	09/14/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/14/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/14/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/14/13	1	
Surrogate Recovery									
Toluene-d8	100.				% Rec.	8260B	09/14/13	1	
Dibromofluoromethane	104.				% Rec.	8260B	09/14/13	1	
a,a,a-Trifluorotoluene	101.				% Rec.	8260B	09/14/13	1	
4-Bromofluorobenzene	95.8				% Rec.	8260B	09/14/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 18, 2013

Date Received : September 12, 2013
Description : Hugh Gathering
Sample ID : MW 13
Collected By : Shane A. Diller
Collection Date : 09/11/13 12:55

ESC Sample # : L657162-06

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	MQL	Units	Qual Method	Date	Dil.
Benzene	0.052	0.00033	0.00033	0.0010	mg/l	8260B	09/17/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/17/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/17/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/17/13	1
Surrogate Recovery								
Toluene-d8	103.				% Rec.	8260B	09/17/13	1
Dibromofluoromethane	102.				% Rec.	8260B	09/17/13	1
a,a,a-Trifluorotoluene	98.0				% Rec.	8260B	09/17/13	1
4-Bromofluorobenzene	102.				% Rec.	8260B	09/17/13	1

U = ND (Not Detected) = Less than SDL

Note:

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L657162-02	WG681708	SAMP	Benzene	R2816380	J
	WG681708	SAMP	Toluene	R2816380	J
L657162-03	WG681708	SAMP	Ethylbenzene	R2816380	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
09/18/13 at 10:10:33

TSR Signing Reports: 134
R5 - Desired TAT

Do not log for TS or QCTX, always log BTEXM by 8260

Sample: L657162-01 Account: PLAINSENT Received: 09/12/13 09:00 Due Date: 09/19/13 00:00 RPT Date: 09/18/13 10:10

Sample: L657162-02 Account: PLAINSENT Received: 09/12/13 09:00 Due Date: 09/19/13 00:00 RPT Date: 09/18/13 10:10

Sample: L657162-03 Account: PLAINSENT Received: 09/12/13 09:00 Due Date: 09/19/13 00:00 RPT Date: 09/18/13 10:10

Sample: L657162-04 Account: PLAINSENT Received: 09/12/13 09:00 Due Date: 09/19/13 00:00 RPT Date: 09/18/13 10:10

Sample: L657162-05 Account: PLAINSENT Received: 09/12/13 09:00 Due Date: 09/19/13 00:00 RPT Date: 09/18/13 10:10

Sample: L657162-06 Account: PLAINSENT Received: 09/12/13 09:00 Due Date: 09/19/13 00:00 RPT Date: 09/18/13 10:10



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Quality Assurance Report
Level II

September 18, 2013

L657162

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/l			WG681708	09/13/13 22:13
Ethylbenzene	< .001	mg/l			WG681708	09/13/13 22:13
Toluene	< .005	mg/l			WG681708	09/13/13 22:13
Total Xylenes	< .003	mg/l			WG681708	09/13/13 22:13
4-Bromofluorobenzene		% Rec.	97.70	71-126	WG681708	09/13/13 22:13
Dibromofluoromethane		% Rec.	103.0	78.3-121	WG681708	09/13/13 22:13
Toluene-d8		% Rec.	98.80	88.5-111	WG681708	09/13/13 22:13
a,a,a-Trifluorotoluene		% Rec.	100.0	85-114	WG681708	09/13/13 22:13
Benzene	< .001	mg/l			WG681851	09/14/13 11:02
Ethylbenzene	< .001	mg/l			WG681851	09/14/13 11:02
Toluene	< .005	mg/l			WG681851	09/14/13 11:02
Total Xylenes	< .003	mg/l			WG681851	09/14/13 11:02
4-Bromofluorobenzene		% Rec.	97.90	71-126	WG681851	09/14/13 11:02
Dibromofluoromethane		% Rec.	101.0	78.3-121	WG681851	09/14/13 11:02
Toluene-d8		% Rec.	98.30	88.5-111	WG681851	09/14/13 11:02
a,a,a-Trifluorotoluene		% Rec.	99.40	85-114	WG681851	09/14/13 11:02
Benzene	< .001	mg/l			WG682105	09/17/13 13:31
Ethylbenzene	< .001	mg/l			WG682105	09/17/13 13:31
Toluene	< .005	mg/l			WG682105	09/17/13 13:31
Total Xylenes	< .003	mg/l			WG682105	09/17/13 13:31
4-Bromofluorobenzene		% Rec.	96.80	71-126	WG682105	09/17/13 13:31
Dibromofluoromethane		% Rec.	102.0	78.3-121	WG682105	09/17/13 13:31
Toluene-d8		% Rec.	101.0	88.5-111	WG682105	09/17/13 13:31
a,a,a-Trifluorotoluene		% Rec.	100.0	85-114	WG682105	09/17/13 13:31

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.025	0.0270	108.	74.8-121	WG681708
Ethylbenzene	mg/l	.025	0.0258	103.	78.8-122	WG681708
Toluene	mg/l	.025	0.0250	100.	79.7-116	WG681708
Total Xylenes	mg/l	.075	0.0792	106.	78.7-121	WG681708
4-Bromofluorobenzene				93.10	71-126	WG681708
Dibromofluoromethane				105.0	78.3-121	WG681708
Toluene-d8				95.80	88.5-111	WG681708
a,a,a-Trifluorotoluene				101.0	85-114	WG681708
Benzene	mg/l	.025	0.0270	108.	74.8-121	WG681851
Ethylbenzene	mg/l	.025	0.0265	106.	78.8-122	WG681851
Toluene	mg/l	.025	0.0263	105.	79.7-116	WG681851
Total Xylenes	mg/l	.075	0.0788	105.	78.7-121	WG681851
4-Bromofluorobenzene				94.10	71-126	WG681851
Dibromofluoromethane				104.0	78.3-121	WG681851
Toluene-d8				98.00	88.5-111	WG681851
a,a,a-Trifluorotoluene				103.0	85-114	WG681851
Benzene	mg/l	.025	0.0254	102.	74.8-121	WG682105
Ethylbenzene	mg/l	.025	0.0255	102.	78.8-122	WG682105
Toluene	mg/l	.025	0.0246	98.3	79.7-116	WG682105
Total Xylenes	mg/l	.075	0.0770	103.	78.7-121	WG682105
4-Bromofluorobenzene				95.40	71-126	WG682105
Dibromofluoromethane				104.0	78.3-121	WG682105
Toluene-d8				99.60	88.5-111	WG682105

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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L657162

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
a,a,a-Trifluorotoluene					98.50		85-114	

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0257	0.0270	103.	74.8-121	4.87	20	WG681708
Ethylbenzene	mg/l	0.0257	0.0258	103.	78.8-122	0.390	20	WG681708
Toluene	mg/l	0.0259	0.0250	104.	79.7-116	3.68	20	WG681708
Total Xylenes	mg/l	0.0779	0.0792	104.	78.7-121	1.66	20	WG681708
4-Bromofluorobenzene				99.30	71-126			WG681708
Dibromofluoromethane				101.0	78.3-121			WG681708
Toluene-d8				101.0	88.5-111			WG681708
a,a,a-Trifluorotoluene				103.0	85-114			WG681708
Benzene	mg/l	0.0258	0.0270	103.	74.8-121	4.64	20	WG681851
Ethylbenzene	mg/l	0.0263	0.0265	105.	78.8-122	0.920	20	WG681851
Toluene	mg/l	0.0259	0.0263	104.	79.7-116	1.45	20	WG681851
Total Xylenes	mg/l	0.0790	0.0788	105.	78.7-121	0.210	20	WG681851
4-Bromofluorobenzene				101.0	71-126			WG681851
Dibromofluoromethane				102.0	78.3-121			WG681851
Toluene-d8				100.0	88.5-111			WG681851
a,a,a-Trifluorotoluene				100.0	85-114			WG681851
Benzene	mg/l	0.0254	0.0254	102.	74.8-121	0.0300	20	WG682105
Ethylbenzene	mg/l	0.0253	0.0255	101.	78.8-122	0.750	20	WG682105
Toluene	mg/l	0.0248	0.0246	99.0	79.7-116	0.790	20	WG682105
Total Xylenes	mg/l	0.0769	0.0770	102.	78.7-121	0.0600	20	WG682105
4-Bromofluorobenzene				97.10	71-126			WG682105
Dibromofluoromethane				103.0	78.3-121			WG682105
Toluene-d8				101.0	88.5-111			WG682105
a,a,a-Trifluorotoluene				98.00	85-114			WG682105

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/l	0.0356	0.0129	.025	91.0	54.3-133	L657114-02	WG681708
Ethylbenzene	mg/l	0.0268	0.0	.025	110.	61.4-133	L657114-02	WG681708
Toluene	mg/l	0.0252	0.000498	.025	99.0	61.4-130	L657114-02	WG681708
Total Xylenes	mg/l	0.0799	0.0	.075	110.	63.3-131	L657114-02	WG681708
4-Bromofluorobenzene					98.90	71-126		WG681708
Dibromofluoromethane					100.0	78.3-121		WG681708
Toluene-d8					99.10	88.5-111		WG681708
a,a,a-Trifluorotoluene					102.0	85-114		WG681708
Benzene	mg/l	0.0255	0.0	.025	100.	54.3-133	L657284-02	WG681851
Ethylbenzene	mg/l	0.0252	0.0	.025	100.	61.4-133	L657284-02	WG681851
Toluene	mg/l	0.0249	0.0	.025	100.	61.4-130	L657284-02	WG681851
Total Xylenes	mg/l	0.0751	0.0	.075	100.	63.3-131	L657284-02	WG681851
4-Bromofluorobenzene					96.90	71-126		WG681851
Dibromofluoromethane					103.0	78.3-121		WG681851
Toluene-d8					98.30	88.5-111		WG681851
a,a,a-Trifluorotoluene					101.0	85-114		WG681851
Benzene	mg/l	0.0254	0.0	.025	100.	54.3-133	L657170-04	WG682105
Ethylbenzene	mg/l	0.0257	0.0	.025	100.	61.4-133	L657170-04	WG682105

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Toluene	mg/l	0.0251	0.000578	.025	98.0	61.4-130	L657170-04	WG682105
Total Xylenes	mg/l	0.0780	0.000342	.075	100.	63.3-131	L657170-04	WG682105
4-Bromofluorobenzene					95.40	71-126		WG682105
Dibromofluoromethane					103.0	78.3-121		WG682105
Toluene-d8					101.0	88.5-111		WG682105
a,a,a-Trifluorotoluene					99.10	85-114		WG682105

Analyte	Units	MSD	Matrix Spike		%Rec	Limit	RPD	Limit	Ref Samp	Batch
			Ref	Duplicate						
Benzene	mg/l	0.0343	0.0356	85.5	54.3-133	3.95	20		L657114-02	WG681708
Ethylbenzene	mg/l	0.0251	0.0268	100.	61.4-133	6.71	20		L657114-02	WG681708
Toluene	mg/l	0.0243	0.0252	95.0	61.4-130	3.86	20		L657114-02	WG681708
Total Xylenes	mg/l	0.0737	0.0799	98.3	63.3-131	8.07	20		L657114-02	WG681708
4-Bromofluorobenzene				97.00	71-126					WG681708
Dibromofluoromethane				101.0	78.3-121					WG681708
Toluene-d8				99.20	88.5-111					WG681708
a,a,a-Trifluorotoluene				101.0	85-114					WG681708

Benzene	mg/l	0.0273	0.0255	109.	54.3-133	6.76	20		L657284-02	WG681851
Ethylbenzene	mg/l	0.0268	0.0252	107.	61.4-133	6.13	20		L657284-02	WG681851
Toluene	mg/l	0.0264	0.0249	106.	61.4-130	5.91	20		L657284-02	WG681851
Total Xylenes	mg/l	0.0802	0.0751	107.	63.3-131	6.54	20		L657284-02	WG681851
4-Bromofluorobenzene				96.10	71-126					WG681851
Dibromofluoromethane				104.0	78.3-121					WG681851
Toluene-d8				99.40	88.5-111					WG681851
a,a,a-Trifluorotoluene				102.0	85-114					WG681851

Benzene	mg/l	0.0235	0.0254	94.1	54.3-133	7.66	20		L657170-04	WG682105
Ethylbenzene	mg/l	0.0233	0.0257	93.4	61.4-133	9.58	20		L657170-04	WG682105
Toluene	mg/l	0.0231	0.0251	90.0	61.4-130	8.23	20		L657170-04	WG682105
Total Xylenes	mg/l	0.0718	0.0780	95.3	63.3-131	8.19	20		L657170-04	WG682105
4-Bromofluorobenzene				97.20	71-126					WG682105
Dibromofluoromethane				103.0	78.3-121					WG682105
Toluene-d8				101.0	88.5-111					WG682105
a,a,a-Trifluorotoluene				97.70	85-114					WG682105

Batch number /Run number / Sample number cross reference

WG681708: R2816380: L657162-01 02 03 04

WG681851: R2816820: L657162-05

WG682105: R2818600: L657162-06

* * Calculations are performed prior to rounding of reported values.

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.



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Report Summary

Tuesday December 17, 2013

Report Number: L673992

Samples Received: 12/14/13

Client Project: PAA12006

Description: Hugh Gathering

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

December 17, 2013

Date Received : December 14, 2013
Description : Hugh Gathering

Sample ID : MW 5

Collected By : Shane Diller
Collection Date : 12/13/13 13:30

ESC Sample # : L673992-01

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	0.0013	0.00033	0.00033	0.0010	mg/l		8260B	12/15/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	12/15/13	1
Ethylbenzene	0.032	0.00038	0.00038	0.0010	mg/l		8260B	12/15/13	1
Total Xylenes	0.0064	0.0011	0.0011	0.0030	mg/l		8260B	12/15/13	1
Surrogate Recovery									
Toluene-d8	111.				% Rec.		8260B	12/15/13	1
Dibromofluoromethane	115.				% Rec.		8260B	12/15/13	1
a,a,a-Trifluorotoluene	101.				% Rec.		8260B	12/15/13	1
4-Bromofluorobenzene	108.				% Rec.		8260B	12/15/13	1

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

December 17, 2013

Date Received : December 14, 2013
Description : Hugh Gathering
Sample ID : MW 6
Collected By : Shane Diller
Collection Date : 12/13/13 13:35

ESC Sample # : L673992-02

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	12/15/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	12/15/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	12/15/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	12/15/13	1
Surrogate Recovery									
Toluene-d8	109.				% Rec.		8260B	12/15/13	1
Dibromofluoromethane	109.				% Rec.		8260B	12/15/13	1
a,a,a-Trifluorotoluene	101.				% Rec.		8260B	12/15/13	1
4-Bromofluorobenzene	105.				% Rec.		8260B	12/15/13	1

U = ND (Not Detected) = Less than SDL

Note:

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21 Waterway Ave., Suite 300
The Woodlands, TX 77380

December 17, 2013

Date Received : December 14, 2013
Description : Hugh Gathering

Sample ID : MW 7

Collected By : Shane Diller
Collection Date : 12/13/13 13:25

ESC Sample # : L673992-03

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	ML	Units	Qual Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	12/15/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	12/15/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	12/15/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	12/15/13	1
Surrogate Recovery								
Toluene-d8	108.				% Rec.	8260B	12/15/13	1
Dibromofluoromethane	111.				% Rec.	8260B	12/15/13	1
a,a,a-Trifluorotoluene	99.7				% Rec.	8260B	12/15/13	1
4-Bromofluorobenzene	104.				% Rec.	8260B	12/15/13	1

U = ND (Not Detected) = Less than SDL

Note:

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EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

December 17, 2013

Date Received : December 14, 2013
Description : Hugh Gathering
Sample ID : MW 11
Collected By : Shane Diller
Collection Date : 12/13/13 13:40

ESC Sample # : L673992-04

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	SQL	Units	Qual Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	12/15/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	12/15/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	12/15/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	12/15/13	1
Surrogate Recovery								
Toluene-d8	108.				% Rec.	8260B	12/15/13	1
Dibromofluoromethane	110.				% Rec.	8260B	12/15/13	1
a,a,a-Trifluorotoluene	102.				% Rec.	8260B	12/15/13	1
4-Bromofluorobenzene	103.				% Rec.	8260B	12/15/13	1

U = ND (Not Detected) = Less than SDL

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REPORT OF ANALYSIS

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21 Waterway Ave., Suite 300
The Woodlands, TX 77380

December 17, 2013

Date Received : December 14, 2013
Description : Hugh Gathering
Sample ID : MW 12
Collected By : Shane Diller
Collection Date : 12/13/13 13:50

ESC Sample # : L673992-05

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	0.0022	0.00033	0.00033	0.0010	mg/l	8260B	12/15/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	12/15/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	12/15/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	12/15/13	1	
Surrogate Recovery									
Toluene-d8	108.				% Rec.	8260B	12/15/13	1	
Dibromofluoromethane	115.				% Rec.	8260B	12/15/13	1	
a,a,a-Trifluorotoluene	102.				% Rec.	8260B	12/15/13	1	
4-Bromofluorobenzene	108.				% Rec.	8260B	12/15/13	1	

U = ND (Not Detected) = Less than SDL

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

December 17, 2013

Date Received : December 14, 2013
Description : Hugh Gathering

Sample ID : MW 13

Collected By : Shane Diller
Collection Date : 12/13/13 13:55

ESC Sample # : L673992-06

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	0.00093	0.00033	0.00033	0.0010	mg/l	J	8260B	12/15/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	12/15/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	12/15/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	12/15/13	1
Surrogate Recovery									
Toluene-d8	110.				% Rec.		8260B	12/15/13	1
Dibromofluoromethane	115.				% Rec.		8260B	12/15/13	1
a,a,a-Trifluorotoluene	100.				% Rec.		8260B	12/15/13	1
4-Bromofluorobenzene	109.				% Rec.		8260B	12/15/13	1

U = ND (Not Detected) = Less than SDL

Note:

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L673992-06	WG697338	SAMP	Benzene	R2869127	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
12/17/13 at 16:59:53

TSR Signing Reports: 134
R5 - Desired TAT

Do not log for TS or QCTX, always log BTEXM by 8260

Sample: L673992-01 Account: PLAINSENT Received: 12/14/13 12:00 Due Date: 12/20/13 00:00 RPT Date: 12/17/13 16:59

Sample: L673992-02 Account: PLAINSENT Received: 12/14/13 12:00 Due Date: 12/20/13 00:00 RPT Date: 12/17/13 16:59

Sample: L673992-03 Account: PLAINSENT Received: 12/14/13 12:00 Due Date: 12/20/13 00:00 RPT Date: 12/17/13 16:59

Sample: L673992-04 Account: PLAINSENT Received: 12/14/13 12:00 Due Date: 12/20/13 00:00 RPT Date: 12/17/13 16:59

Sample: L673992-05 Account: PLAINSENT Received: 12/14/13 12:00 Due Date: 12/20/13 00:00 RPT Date: 12/17/13 16:59

Sample: L673992-06 Account: PLAINSENT Received: 12/14/13 12:00 Due Date: 12/20/13 00:00 RPT Date: 12/17/13 16:59



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Quality Assurance Report
Level II

December 17, 2013

L673992

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/l			WG697338	12/15/13 14:15
Ethylbenzene	< .001	mg/l			WG697338	12/15/13 14:15
Toluene	< .005	mg/l			WG697338	12/15/13 14:15
Total Xylenes	< .003	mg/l			WG697338	12/15/13 14:15
4-Bromofluorobenzene		% Rec.	103.0	71-126	WG697338	12/15/13 14:15
Dibromofluoromethane		% Rec.	108.0	78.3-121	WG697338	12/15/13 14:15
Toluene-d8		% Rec.	109.0	88.5-111	WG697338	12/15/13 14:15
a,a,a-Trifluorotoluene		% Rec.	101.0	85-114	WG697338	12/15/13 14:15

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.025	0.0286	114.	74.8-121	WG697338
Ethylbenzene	mg/l	.025	0.0223	89.2	78.8-122	WG697338
Toluene	mg/l	.025	0.0246	98.4	79.7-116	WG697338
Total Xylenes	mg/l	.075	0.0677	90.3	78.7-121	WG697338
4-Bromofluorobenzene				101.0	71-126	WG697338
Dibromofluoromethane				111.0	78.3-121	WG697338
Toluene-d8				110.0	88.5-111	WG697338
a,a,a-Trifluorotoluene				98.00	85-114	WG697338

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0291	0.0286	116.	74.8-121	1.73	20	WG697338
Ethylbenzene	mg/l	0.0232	0.0223	93.0	78.8-122	4.01	20	WG697338
Toluene	mg/l	0.0256	0.0246	102.	79.7-116	3.85	20	WG697338
Total Xylenes	mg/l	0.0703	0.0677	94.0	78.7-121	3.78	20	WG697338
4-Bromofluorobenzene				96.30	71-126			WG697338
Dibromofluoromethane				111.0	78.3-121			WG697338
Toluene-d8				110.0	88.5-111			WG697338
a,a,a-Trifluorotoluene				101.0	85-114			WG697338

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/l	0.0279	0.0	.025	110.	54.3-133	L673971-01	WG697338
Ethylbenzene	mg/l	0.0223	0.0	.025	89.0	61.4-133	L673971-01	WG697338
Toluene	mg/l	0.0244	0.0	.025	98.0	61.4-130	L673971-01	WG697338
Total Xylenes	mg/l	0.0671	0.0	.075	89.0	63.3-131	L673971-01	WG697338
4-Bromofluorobenzene					102.0	71-126		WG697338
Dibromofluoromethane					110.0	78.3-121		WG697338
Toluene-d8					108.0	88.5-111		WG697338
a,a,a-Trifluorotoluene					97.20	85-114		WG697338

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/l	0.0293	0.0279	117.	54.3-133	4.94	20	L673971-01	WG697338
Ethylbenzene	mg/l	0.0223	0.0223	89.3	61.4-133	0.0600	20	L673971-01	WG697338
Toluene	mg/l	0.0245	0.0244	97.9	61.4-130	0.430	20	L673971-01	WG697338
Total Xylenes	mg/l	0.0684	0.0671	91.2	63.3-131	1.93	20	L673971-01	WG697338
4-Bromofluorobenzene				101.0	71-126				WG697338
Dibromofluoromethane				114.0	78.3-121				WG697338
Toluene-d8				109.0	88.5-111				WG697338
a,a,a-Trifluorotoluene				97.40	85-114				WG697338

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Quality Assurance Report
Level II

L673992

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Est. 1970

December 17, 2013

Batch number /Run number / Sample number cross reference

WG697338: R2869127: L673992-01 02 03 04 05 06

* * Calculations are performed prior to rounding of reported values.

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Est. 1970

December 17, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing Information:

Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Report to:
Kathleen Buxton

Email To: kathleen.buxton@entechservice.com

Project
Description: **Hugh Gathering**

City/State
Collected: *Evie NH*

Phone: **979-997-2338**
Fax:

Client Project #
PAA12006

Lab Project #
PLAINSENT-HUGH

Collected by (print):
SHANE DILLER

Site/Facility ID #
SRS - 2002-10235

P.O. #

Collected by (signature):
Shane Diller

Rush? (Lab MUST Be Notified)
 ___ Same Day200%
 ___ Next Day100%
 ___ Two Day50%
 ___ Three Day25%

Date Results Needed

Email? ___ No ☒ Yes
FAX? ___ No ___ Yes

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
<i>mw5</i>	<i>G</i>	GW		<i>12-13-13</i>	<i>1330</i>	<i>2</i>
<i>mw6</i>	<i>G</i>	GW		<i>12-13-13</i>	<i>1335</i>	<i>2</i>
<i>mw7</i>	<i>G</i>	GW		<i>12-13-13</i>	<i>1325</i>	<i>2</i>
<i>mw11</i>	<i>G</i>	GW		<i>12-13-13</i>	<i>1340</i>	<i>2</i>
<i>mw12</i>	<i>G</i>	GW		<i>12-13-13</i>	<i>1350</i>	<i>2</i>
<i>mw13</i>	<i>G</i>	GW		<i>12-13-13</i>	<i>1355</i>	<i>2</i>
		GW				<i>2</i>
		GW				<i>2</i>
		GW				<i>2</i>
		GW				<i>2</i>
		GW				<i>2</i>

V8260BTEX 40mlAmb-HCI

Analysis / Container / Preservative

Chain of Custody Page ___ of ___



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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



L# *6673992*

B030

Acctnum: **PLAINSENT**

Template: **T86713**

Prelogin: **P446540**

TSR: **134 - Mark W. Beasley**

PB: *10-16* *11/8*

Shipped Via: **FedEX Ground**

Rem./Contaminant Sample # (lab only)

21
02
13
34
05
02

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

570460637857

Hold #

Relinquished by: (Signature)

Date: *12-13-13* Time: *1700*

Received by: (Signature)

Samples returned via: ☐ UPS

☒ FedEx ☐ Courier ☐ _____

Condition: (lab use only)

Relinquished by: (Signature)

Date: _____ Time: _____

Received by: (Signature)

Temp: _____ °C Bottles Received:

12-13-13

Relinquished by: (Signature)

Date: _____ Time: _____

Received for lab by: (Signature)

Date: *12-18-13* Time: *1200*

COC Seal Intact: ___ Y ___ N ___ NA

pH Checked: _____ NCF: _____



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Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report Summary

Thursday November 14, 2013

Report Number: L667866

Samples Received: 11/09/13

Client Project: PAA12006

Description: Hugh Gathering

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Est. 1970

REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Hugh Gathering
Sample ID : MW1R 45-50 FT
Collected By : Kathleen Buxton
Collection Date : 11/07/13 15:30

ESC Sample # : L667866-01

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.068	0.25	mg/kg		8260B	11/13/13	250
Toluene	0.20	0.00043	0.11	1.3	mg/kg	J	8260B	11/13/13	250
Ethylbenzene	1.4	0.00030	0.074	0.25	mg/kg		8260B	11/13/13	250
Total Xylenes	3.7	0.00070	0.17	0.75	mg/kg		8260B	11/13/13	250
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	11/13/13	250
Dibromofluoromethane	98.7				% Rec.		8260B	11/13/13	250
a,a,a-Trifluorotoluene	111.				% Rec.		8260B	11/13/13	250
4-Bromofluorobenzene	104.				% Rec.		8260B	11/13/13	250

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 11/14/13 11:20 Printed: 11/14/13 11:21



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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Hugh Gathering
Sample ID : MW1R 50-55 FT
Collected By : Kathleen Buxton
Collection Date : 11/07/13 15:40

ESC Sample # : L667866-02

Site ID : SRS - 2002-10235

Project # : PAA12006

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	0.047	0.00027	0.0068	0.025	mg/kg	8260B	11/13/13	25	
Toluene	0.58	0.00043	0.011	0.13	mg/kg	8260B	11/13/13	25	
Ethylbenzene	1.5	0.00030	0.0074	0.025	mg/kg	8260B	11/13/13	25	
Total Xylenes	3.7	0.00070	0.017	0.075	mg/kg	8260B	11/13/13	25	
Surrogate Recovery									
Toluene-d8	107.				% Rec.	8260B	11/13/13	25	
Dibromofluoromethane	97.4				% Rec.	8260B	11/13/13	25	
a,a,a-Trifluorotoluene	106.				% Rec.	8260B	11/13/13	25	
4-Bromofluorobenzene	115.				% Rec.	8260B	11/13/13	25	

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L667866-01	WG691655	SAMP	Toluene	R2853742	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
11/14/13 at 11:21:01

TSR Signing Reports: 134
R5 - Desired TAT

Do not log for TS or QCTX, always log BTEXM by 8260

Sample: L667866-01 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 11:20

Sample: L667866-02 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 11:20



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Quality Assurance Report
Level II

L667866

November 14, 2013

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/kg			WG691655	11/13/13 14:23
Ethylbenzene	< .001	mg/kg			WG691655	11/13/13 14:23
Toluene	< .005	mg/kg			WG691655	11/13/13 14:23
Total Xylenes	< .003	mg/kg			WG691655	11/13/13 14:23
4-Bromofluorobenzene		% Rec.	100.0	71-126	WG691655	11/13/13 14:23
Dibromofluoromethane		% Rec.	101.0	78.3-121	WG691655	11/13/13 14:23
Toluene-d8		% Rec.	102.0	88.5-111	WG691655	11/13/13 14:23
a,a,a-Trifluorotoluene		% Rec.	110.0	85-114	WG691655	11/13/13 14:23

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	.025	0.0272	109.	77.1-121	WG691655
Ethylbenzene	mg/kg	.025	0.0232	92.7	79.7-122	WG691655
Toluene	mg/kg	.025	0.0250	100.	79.7-118	WG691655
Total Xylenes	mg/kg	.075	0.0688	91.7	78.8-121	WG691655
4-Bromofluorobenzene				95.50	71-126	WG691655
Dibromofluoromethane				104.0	78.3-121	WG691655
Toluene-d8				101.0	88.5-111	WG691655
a,a,a-Trifluorotoluene				107.0	85-114	WG691655

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/kg	0.0241	0.0272	96.0	77.1-121	12.0	20	WG691655
Ethylbenzene	mg/kg	0.0220	0.0232	88.0	79.7-122	4.94	20	WG691655
Toluene	mg/kg	0.0226	0.0250	90.0	79.7-118	9.97	20	WG691655
Total Xylenes	mg/kg	0.0659	0.0688	88.0	78.8-121	4.31	20	WG691655
4-Bromofluorobenzene				94.70	71-126			WG691655
Dibromofluoromethane				104.0	78.3-121			WG691655
Toluene-d8				101.0	88.5-111			WG691655
a,a,a-Trifluorotoluene				107.0	85-114			WG691655

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/kg	0.133	0.0	.025	110.	54.3-133	L667879-02	WG691655
Ethylbenzene	mg/kg	0.113	0.0	.025	90.0	61.4-133	L667879-02	WG691655
Toluene	mg/kg	0.122	0.0	.025	97.0	61.4-130	L667879-02	WG691655
Total Xylenes	mg/kg	0.334	0.0	.075	89.0	63.3-131	L667879-02	WG691655
4-Bromofluorobenzene					96.00	71-126		WG691655
Dibromofluoromethane					104.0	78.3-121		WG691655
Toluene-d8					102.0	88.5-111		WG691655
a,a,a-Trifluorotoluene					107.0	85-114		WG691655

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/kg	0.143	0.133	114.	54.3-133	7.14	20	L667879-02	WG691655
Ethylbenzene	mg/kg	0.117	0.113	93.9	61.4-133	4.23	20	L667879-02	WG691655
Toluene	mg/kg	0.129	0.122	103.	61.4-130	5.58	20	L667879-02	WG691655
Total Xylenes	mg/kg	0.351	0.334	93.5	63.3-131	4.87	20	L667879-02	WG691655
4-Bromofluorobenzene				95.10	71-126				WG691655
Dibromofluoromethane				106.0	78.3-121				WG691655
Toluene-d8				102.0	88.5-111				WG691655
a,a,a-Trifluorotoluene				107.0	85-114				WG691655

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Batch number /Run number / Sample number cross reference

WG691655: R2853742: L667866-01 02

* * Calculations are performed prior to rounding of reported values.

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

