2014 SOIL INVESTIGATION AND ANNUAL GROUNDWATER MONITORING REPORT

D S HUGH SITE
LEA COUNTY, NEW MEXICO
UL-K, SECTION 26, T21S, R37E
PLAINS SRS#: 2000-10807
NMOCD NO.: 1R-0463

PREPARED FOR

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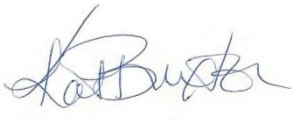
PROJECT NO. PAA12003

MARCH 2015



CHAN PATEL
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SENIOR PROJECT MANAGER

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1.0 INTRODUCTION AND OBJECTIVES

1.1 Objectives and Site Background

On November 10, 2000, a 4 inch steel pipeline at the D S Hugh 4 Inch Gathering line Site (site) released approximately 20 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 26 of Lea County, New Mexico, approximately two miles east of Eunice, New Mexico (**Figure 1**) or more specifically at latitude 32˚ 26' 48" N and longitude 103˚ 08' 07" W. The affected area was reported to be approximately 200 feet by 15 feet and product stayed within the pipeline right of way. The leak that occurred at the site on November 10, 2000, was apparently caused by corrosion of a pipeline. The release was reported by EOTT to Ms. Donna Williams at the New Mexico Oil Conservation Division (NMOCD) on November 10, 2000 at 2:25 P.M. Approximately five barrels of product were reported as recovered out of the approximately 20 barrels reported released into the subsurface.

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 Plains, provides documentation of reporting the release to Larry Johnson with the MNOCD. Initial soil remediation activities were completed by Environmental Plus Inc. In April 2005, EarthCon Consultants, Inc. (EarthCon; formerly Premier Environmental Services Inc.) personnel completed an initial site investigation for Plains. Details regarding the investigation were reported in EarthCon's 2005 Annual Report and are summarized below in Section 1.2.

This report summarizes the 2014 soil investigation, weekly groundwater gauging activities, quarterly groundwater monitoring activities, and PSH recovery efforts that took place during 2014.

1.2 Previous Remedial Responses and Environmental Investigations

The previous environmental consultants for the DS Hugh site were Environmental Plus Inc. 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.

Site delineation activities in 2005 included the installation of five soil borings and collection of soil samples within and adjacent to the flow path of the release. Based on the findings of the September 2005 investigation, and the surface expression of the release, three groundwater monitor wells (MW-1 through MW-3) were installed in December 2005. Total Petroleum Hydrocarbon (TPH) concentrations in soil from monitor well MW-1 were above 100 milligrams per kilogram (mg/kg) from the surface to the first water bearing zone at a depth of 45 feet below ground surface (bgs). A phase-separated hydrocarbon (PSH) sheen was observed in groundwater samples from monitor well MW-1. In May 2006, further soil investigation was

conducted by EarthCon to delineate the extent of hydrocarbon contamination in soil. During this investigation, monitor wells MW-4 through MW-7 were installed (**Figure 2**).

A *Soil Remediation Plan* was submitted to and approved by the NMOCD in May 2006. The objective of the *Soil Remediation Plan* was to excavate the most contaminated soils, isolate and control residual chemicals of concern (COCs) in the soil and to prevent further impact to groundwater by the placement of an impermeable line at the base of the excavation. The remediation plan was implemented in October 2006 and a *Soil Closure Report* was prepared by EarthCon and was submitted in March 2007. Details of the activities can be found in the following reports submitted to the NMOCD:

- April 13, 2006 *Groundwater Delineation Investigation* – March 2006 (letter report to Plains)
- May 2006 *Soil Remediation Plan*
- June 6, 2006 *Soil Investigation Results* (letter report to Plains)
- March 2007 *Soil Closure Report*

Quarterly groundwater monitoring was implemented for the site in 2006 and continues to date. Groundwater PSH recovery was conducted on a weekly basis at MW-1. MW-4, which has previously exhibited measurable amounts of PSH, was measured weekly at the beginning of 2011, but when it showed no PSH or PSH sheen, was reduced to being measured on a monthly basis. Approximately 1335 gallons of water containing dissolved phase hydrocarbons and 70 gallons of entrained PSH were recovered from monitor well MW-1 in 2013.

To increase the PSH recovery efforts at the site, two additional recovery wells were installed in August 2014 in the vicinity of MW-1. Information regarding the installation of these two recovery wells is presented in Section 2 below.

Groundwater and PSH recovery for 2014 are presented below in Section 3. This report summarized the activities conducted in 2014 for soil and groundwater analysis and PSH recovery activities.

1.3 Regulatory Framework

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

Chemical of Concern	Limit (mg/L)
Benzene	0.01
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 chemicals of concern (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 August 2014 during the installation of two additional recovery wells to increase PSH recovery activities at the Hugh Gathering Site. The purpose of this most recent supplemental investigation was to install recovery wells in the area of MW-1 to enhance PSH recovery.

2.1 Soil Investigation

Three soil borings were advanced on August 5, 2014 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 (ºC). 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 6 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, two soil borings were completed as recovery wells RW-1 and RW-2. Due to a lack of identified impact, SB-1 was not converted into a well and was plugged at the time of drilling.

2.2 General Geology and Boring Observations

The boring logs and well construction drawings for the recovery wells installed during this investigation are provided in Appendix B. The following paragraphs provide a general discussion of the subsurface geology observed during the installation of the recovery wells.

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 recovery 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 recovery 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 recovery wells, backfill was observed within the soil boring to a depth of 15 feet below ground surface (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 65 feet bgs. The water bearing unit appearing at approximately 50 feet bgs consists of silty fine sand and silty clay to a depth of 65 feet bgs.

2.2.1 Soil Investigation

Analytical results for soil samples collected from the boring locations installed in August 2014 are summarized in **Table 7**. Laboratory analytical results reported from the soil samples collected during the August 2014 investigation are presented on a site map in **Figure 14**.

SOIL SAMPLE LOCATIONS AND RESULTS

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

Soil Boring SB-6

This soil boring location was initially suggested for a recovery well location, however due to lack of impact identified during field activities, this soil boring was not converted into a recovery well. Samples were not collected from this location as impact was not observed and the location was plugged.

Soil Boring RW-1

This soil boring location was identified for a recovery well location to enhance product recovery at the site. This soil boring was converted into a 4" recovery well. The following provides a brief description of the samples collected from this soil boring:

- **Sample RW-1 (15-20 feet bgs)** – This soil sample was collected from the light brown, silty sand exhibiting a PID reading of 22.7 parts per million (ppm). Total petroleum

hydrocarbons (TPH), benzene, toluene, ethylbenzene and total Xylenes concentrations were reported below laboratory method detection limits (MDLs).

- **Sample RW-1 (40-45 feet bgs)** – This soil sample was collected from the light brown, silty clay/silty sand exhibiting a PID reading of 741.6 ppm. This sample was collected from the interval above the groundwater table. TPH, benzene, and toluene concentrations were reported below laboratory method detection limits (MDLs). Ethylbenzene and total xylenes were detected; but were below regulatory standards.

- **Sample RW-1 (45-50 feet bgs)** – This soil sample was collected from the light brown, silty clay/silty sand exhibiting a PID reading of 135 ppm. TPH, benzene, toluene, ethylbenzene and total Xylenes concentrations were reported below laboratory MDLs.

Soil Boring RW-2

This soil boring location was identified for a recovery well location to enhance product recovery at the site. This soil boring was converted into a 4" recovery well. The following provides a brief description of the samples collected from this soil boring:

- **Sample RW-2 (40-45 feet bgs)** – This soil sample was collected from the light brown, silty sand exhibiting a PID reading of 633.6 ppm. This sample was collected from the interval above the groundwater table. TPH and benzene concentrations were reported below laboratory MDLs. Toluene, ethylbenzene and total xylenes were detected; but were below regulatory standards.

- **Sample RW-2 (45-50 feet bgs)** – This soil sample was collected from the light brown, silty sand exhibiting a PID reading of 119.8 ppm. TPH, benzene, toluene, ethylbenzene and total Xylenes concentrations were reported below laboratory MDLs.

- **Sample RW-2 (55-60 feet bgs)** – This soil sample was collected from the light brown, silty sand exhibiting a PID reading of 2.4 ppm. TPH, benzene, toluene, ethylbenzene and total Xylenes concentrations were reported below laboratory MDLs.

2.2.2 Evaluation of Soil Data

Six soil samples were collected from the soil boring locations RW-1 and RW-2 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 2014 primarily consisted of gauging wells for groundwater levels, determining the presence or absence of PSH, recovery of product using Mobil Dual Phase Extraction (MDPE) and recovering PSH using absorbent socks, hand bailing, and submersible pumps in monitor wells. Groundwater sampling of wells not exhibiting PSH was also completed to evaluate the extent of the dissolved-phase hydrocarbon plume.

Measurements of the depth to groundwater and product thickness in wells with hydrocarbon sheen or PSH were completed during the weekly PSH recovery and quarterly groundwater sampling events. Seven groundwater monitor wells (MW-1 through MW-7) and two recovery wells (RW-1 and RW-2) were gauged using an oil/water interface probe. The well locations are shown on **Figure 2**.

Groundwater level elevations and the presence of PSH, if any, were noted for each well. In cases where no measurable PSH was detected by the interface probe, the downhole sensor of the probe was examined for the presence of PSH upon removal from the well. One monitor well, MW-1, contained a measurable PSH thickness or hydrocarbon sheen during 2014 and was sampled annually. Two recovery wells were installed in August 2014. PSH was observed and groundwater sampling was conducted during the 3rd quarter. Starting in the second quarter of 2008 all recovery and monitor wells with PSH or sheen were required to be sampled annually and therefore groundwater samples were collected and analyzed for BTEX in the second quarter of 2014 for MW-1 and recovery wells RW-1 and RW-2 during the 3rd quarter of 2014, after installation. Additional, groundwater samples collected during the second quarter of 2014 from MW-4 were also analyzed for polycyclic aromatic hydrocarbons (PAH).

Groundwater monitor wells not exhibiting PSH or hydrocarbon sheen were gauged monthly and sampled quarterly. After collecting and recording groundwater level and PSH thickness measurements, 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 2014. In addition, weekly groundwater elevation and PSH thickness measurements were recorded prior to and after PSH recovery and monthly measurements were taken from wells without PSH. Groundwater elevations and PSH

thickness measurements were taken in one monitor well (MW-1) during PSH recovery efforts. Recovery wells installed in August 2014 were added to the PSH recovery efforts and groundwater and PSH elevation measurements were taken. Groundwater elevation measurements were recorded monthly for six monitor wells (MW-2 through MW-7) without PSH or hydrocarbon sheen. Compete 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 March 5, June 6, September 18, and November 12, 2014. The hydraulic gradient in 2014 ranged from 0.0041 to 0.0046 feet/feet (ft/ft), based on groundwater elevations measured between monitor wells MW-2 and MW-6. The groundwater gradient and flow direction across the site during 2014 were similar to the gradient and direction observed during the previous five years to the east-southeast.

3.4 Groundwater Analytical Results

Groundwater samples were collected on March 5, June 6, September 18, and November 12, 2014 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 Lab Sciences (ESC), in Mt. Juliet, Tennessee for analysis. Groundwater samples were analyzed for BTEX using EPA Method SW-846 8021B and PAHs by EPA Method SW 8270 for samples from MW-1 and MW-4 collected in the second quarter of 2014.

Groundwater samples were only collected in the second quarter from monitor well MW-1 due to the presence of PSH. MW-1 exceeded the NMOCD criteria for benzene during the second quarter. Groundwater samples were only collected in the third quarter for recovery wells RW-1 and RW-2 due to the presence of PSH. RW-2 exceeded the NMOCD criteria for benzene during the third quarter. Analytical results reported for the groundwater samples collected at four wells (MW-2, MW3, MW-5 through MW-7) displayed BTEX constituent concentrations below laboratory MDLs for all four quarters. Groundwater samples from monitor well MW-4 exhibited benzene ethylbenzene, and total xylenes concentrations above laboratory MDLs but below NMOCD remediation criteria for the first quarter and below the MDL for the second, third and fourth quarters. Toluene was not detected in samples from MW-4 above laboratory MDLs during the four quarters of groundwater sampling.

The 2014 analytical results are presented in **Table 3**, and historical analytical results are presented in **Table 4**. Table **3.1** below summarizes the BTEX concentrations were observed in 2014. BTEX concentrations reported in exceedance of NMOCD standards are marked in **bold**.

Table 3.1

2014 COC Detected Concentrations (mg/L)

2014	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
	Benzene	Benzene	Benzene	Benzene
NMOCD Remediation Criteria (mg/L)	**0.01**	**0.01**	**0.01**	**0.01**
MW-1	NS	**0.036**	NS	NS
MW-4	0.00051 J	<0.001	<0.001	<0.001
RW-1	NA	NA	0.0042	NS
RW-2	NA	NA	**0.01**	NS

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

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

NA – location was not installed during that sampling event

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

In 2008, 2009, 2010, 2011, 2012, 2013, and 2014 NMOCD, required Plains to analyze for BTEX and PAH constituents in the dissolved phase groundwater in wells with hydrocarbon sheen or wells that exceed NMOCD remediation standards in 2014. To meet this requirement for 2014, groundwater samples were also collected from monitor well MW-1 during the second quarter of 2014 and RW-1 and RW-2 during the 3rd quarter of 2014. These samples were analyzed for BTEX constituents (see **Tables 3 and 4** for analytical data) as well as PAHs (see **Table 5**).

During the second quarter sampling event, fluids (PSH and dissolved phase hydrocarbons) from the well MW-1 were bailed off prior to purging the well. During the third quarter sampling event, fluids (PSH and dissolved phase hydrocarbons) from the wells RW-1 and RW-2 were bailed off prior to purging the well. After three well volumes were removed and the well was allowed to stabilize a groundwater sample was collected. The analytical results indicated the presence of benzene concentrations above the NMOCD remediation criteria of 0.01 mg/L in monitor well MW-1 and recovery well RW-2. Copies of the laboratory analytical data packages are included in **Appendix A**.

3.5 Groundwater Waste Disposal

Purge water from well sampling at wells MW-1 through MW-7 and RW-1 and RW-2 is placed in the 1100-gallon above ground storage tank. These liquids are vacuumed from the tank and transported offsite disposal by Globe Energy of Eunice, 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 one well with PSH/sheen (MW-1). Additionally, after installation RW-1 and RW-2 were included in the PSH recovery efforts for this site. 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 of less than 1 gallon of PSH and 10 to 20 gallons of groundwater with possible dissolved phase hydrocarbons from each well.

4.2 PSH Recovery via Pumping and Manual bailing

During 2014, measurable PSH was observed in monitor well MW-1. In general, decreasing trends in the PSH thickness has been observed for this well. Monthly recovery data for PSH and dissolved phase groundwater are presented in **Table 6**.

A general decreasing trend in the PSH thickness in monitor well MW-1 was observed starting in early 2008. PSH thickness was observed through most of 2014, with the maximum thickness of PSH reaching 1.80 feet in April 2014.

General decreasing trends in the PSH thickness in recovery wells RW-1 and RW-2 were observed starting after installation in August 2014.

4.3 PSH Waste Disposal

Approximately 70 gallons of PSH and 1,125gallons total of affected groundwater were recovered from the wells containing PSH or sheen during 2014. These liquids are vacuumed from the tank and transported for offsite disposal by Globe Energy of Eunice, New Mexico.

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 Monitored Natural Attenuation Information

The DS Hugh 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 six monitor wells which did not contain PSH. During the second quarter 2014, benzene was detected above the NMOCD remediation criteria in monitor well MW-1. Benzene concentrations in the groundwater samples collected from monitor well MW-4 appear to be generally decreasing from maximum concentrations observed but below NMOCD standards during the first quarter of 2014 to below MDL during second, third and fourth quarters Recovery well RW-1 had concentrations of benzene, but below NMOCD standards during the 3rd quarter. Recovery well RW-2 had concentrations of benzene above the NMOCD standards during the 3rd quarter. The groundwater samples collected from the remaining wells on site reported benzene,

toluene, ethylbenzene and total xylenes (BTEX) constituent concentrations either below the NMOCD remediation criteria or below the laboratory MDLs.

The benzene concentrations reported in the groundwater samples collected from the monitor wells down-gradient of the plume (MW-6 and MW-7) from 2007 to 2014 were below the MDL with an occasional detection just above the MDL.

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 2006 through 2014. This study included the development of benzene concentration isopleths maps. An average of the benzene concentrations reported in the four quarterly groundwater sampling events was used for all the wells with no PSH, specifically monitor wells MW-2 through MW-7. Since the well with PSH was sampled only during the second quarter groundwater sampling events from 2008 through 2014, the benzene concentrations reported during this sampling event were used in the plume evaluation.

The benzene isopleths maps for 2006 through 2014 are presented in **Figures 5 through 13** respectively. Previous maps prepared by EarthCon are presented in **Figures 5 through 10**.

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 FINDINGS

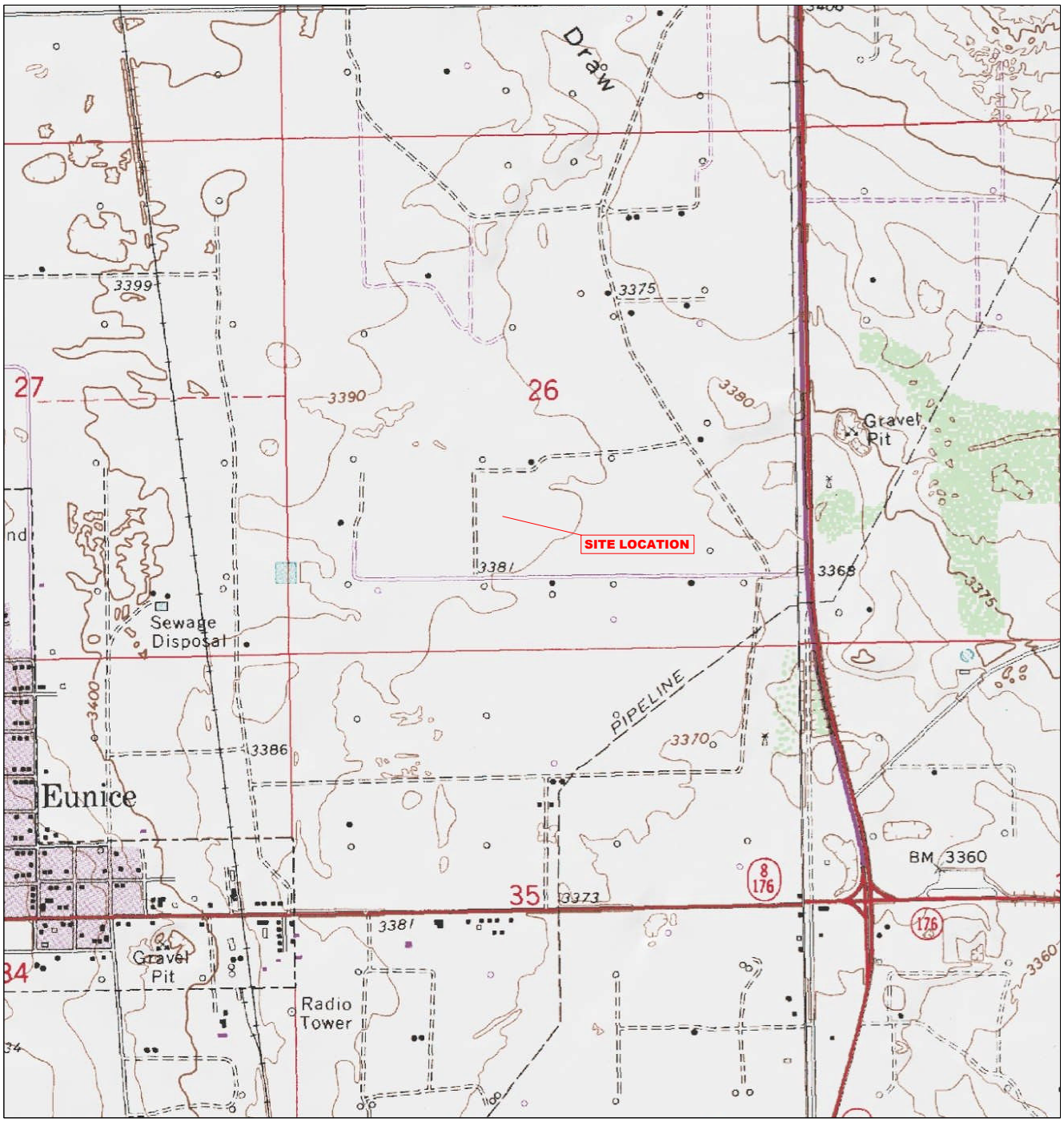
Findings and recommendations resulting from 2014 groundwater monitoring at the DS Hugh site are summarized below.

- Groundwater flow in the uppermost groundwater-bearing unit is to the east-southeast ranging from 0.0041ft/ft to 0.0046 ft/ft as measured between wells MW-2 and MW-6.
- Analytical results reported for the groundwater samples collected at five wells (MW-2, MW-3 and MW-5 through MW-7) displayed BTEX constituent concentrations below laboratory MDLs for all four quarters. Monitor well MW-4 exhibited concentrations of constituents detected below laboratory MDLs, only the first quarter of groundwater monitoring MW-4 displayed BTEX constituent concentrations below laboratory MDLS for the 2nd, 3rd and 4th quarters. MW-1 exceeded the NMOCD criteria for benzene during the second quarter.
- PSH recovery from monitor well MW-1 and recovery wells RW-1 and RW-2 continued during 2014, and the volume recovered appears to have significantly diminished during 2014. The estimated quantity of PSH recovered from wells exhibiting PSH totaled approximately 70 gallons, with groundwater recovery totaling approximately 1,126 gallons.
- The PSH plume has remained in the historical source area, located in the vicinity of well MW-1 and does not appear to be migrating downgradient.

Based on PSH recovery data and groundwater sampling completed during 2014 (and previously) at the site, EnTech recommends the following:

- PSH recovery from monitor well MW-1 and recovery wells RW-1 and RW-2 continues on a weekly basis.
- Groundwater monitoring continues on a quarterly basis.

FIGURES



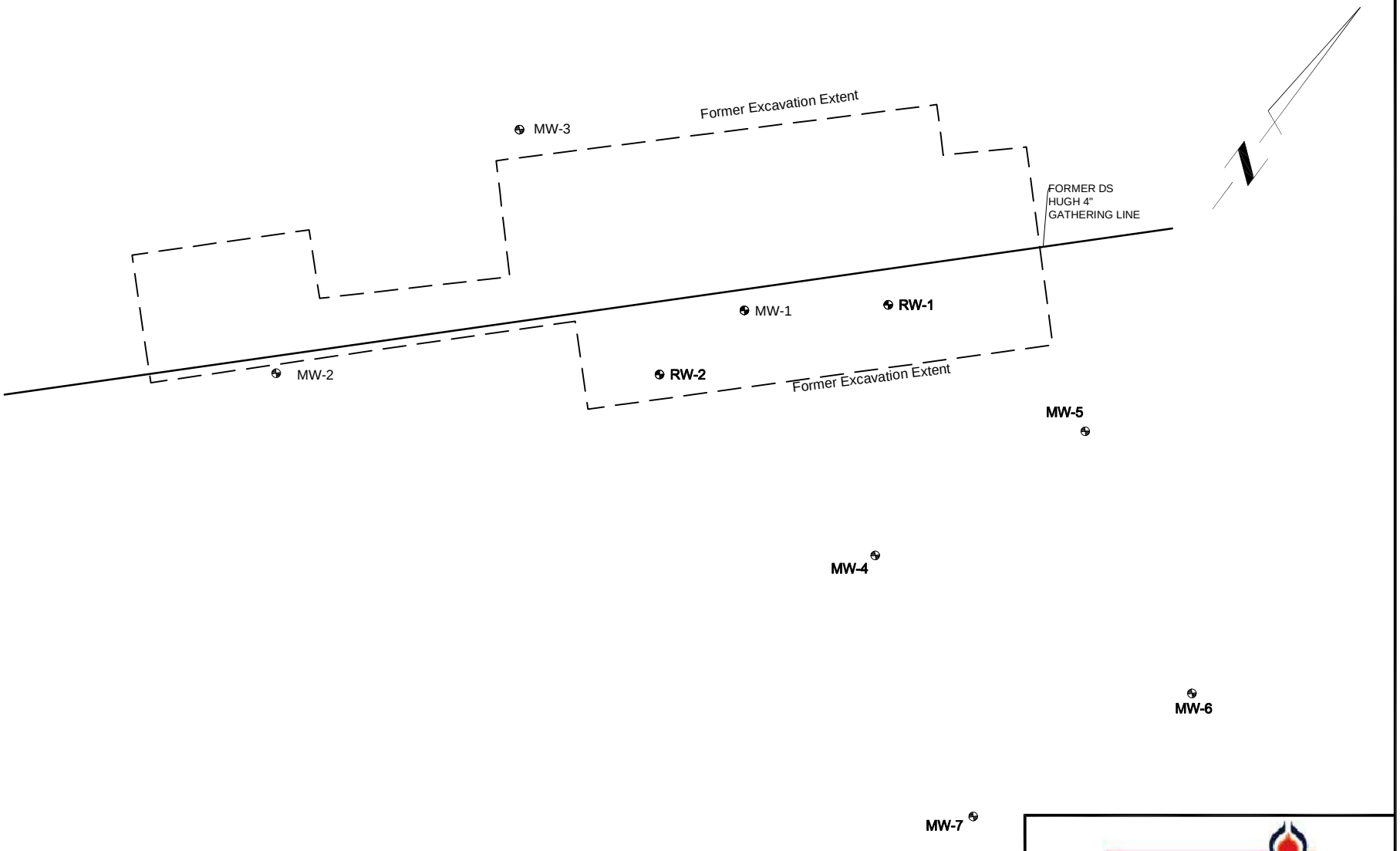
Eunice Quadrangle
32°26'48"N Latitude & 103°08'07"W Longitude

1/2 1/4 0 1/4 1/2
Distance in Miles

EnTech
Houston, TX • (281) 362-2714

Figure 1
Site Location Map
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003	DATE: 1/15



LEGEND:

MW- - MONITOR OR RECOVERY WELL LOCATIONS

— — — - FORMER EXCAVATION EXTENT

0 40

FEET

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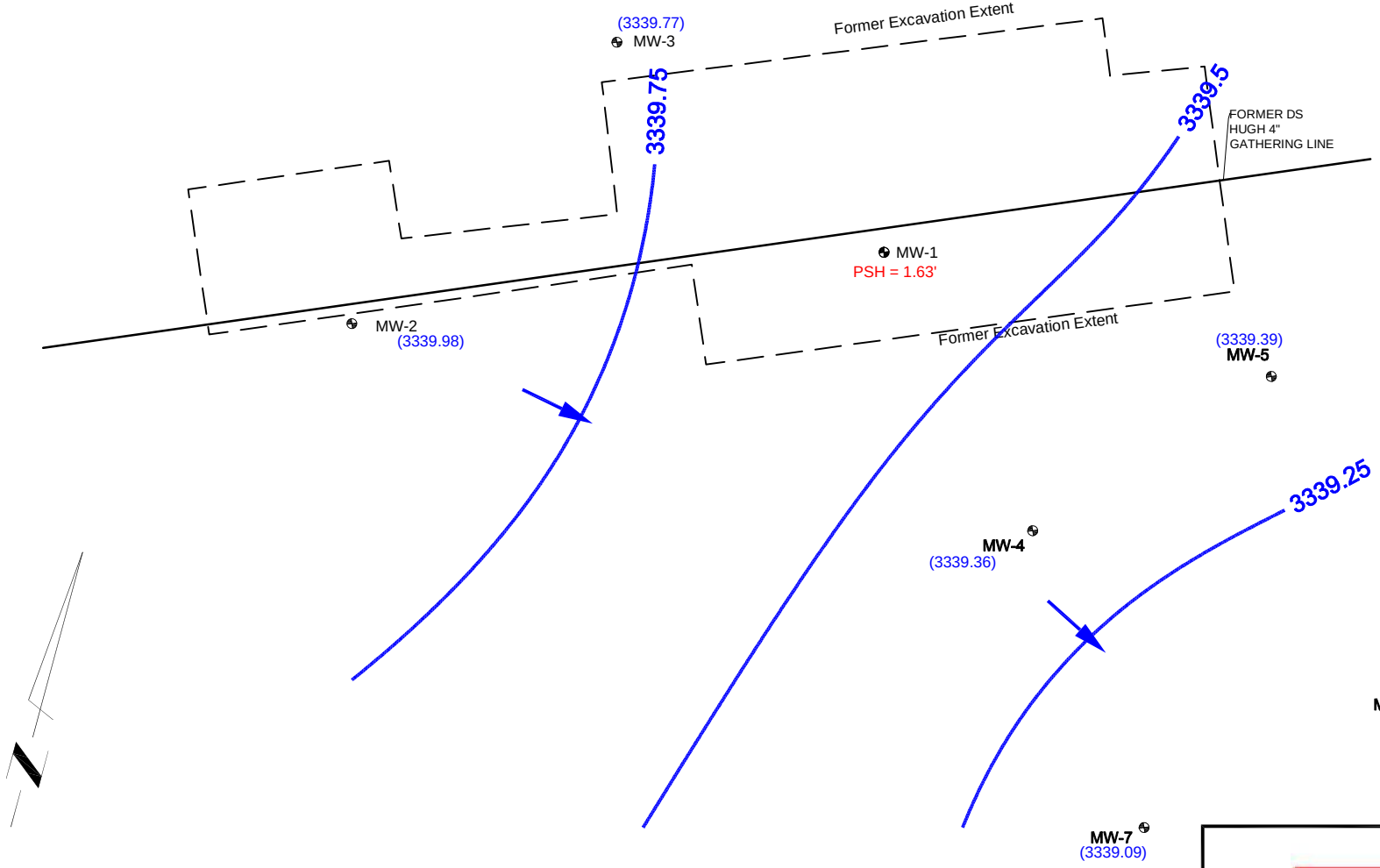
Figure 2
Site Layout and Soil Boring Location Map
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003	DATE: 1/15



LEGEND:

- MW- - Monitoring Well Location
- — — — - Former Excavation Extent
- 3339 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3339.36) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

0 40

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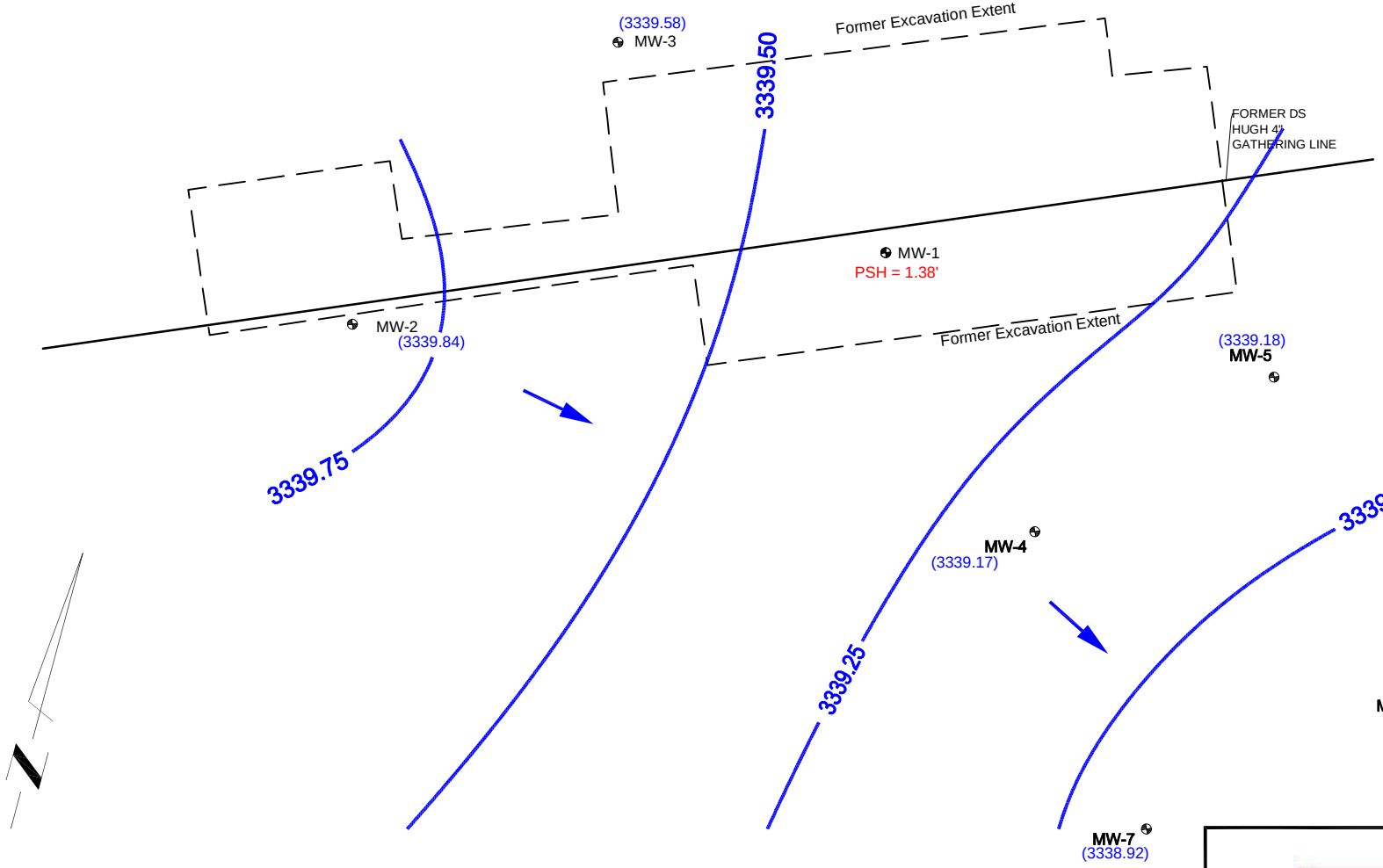
Figure 3A
1st Quarter 2014 - Groundwater Gradient Map
March 5, 2014
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 1/15



LEGEND:

- MW- - Monitoring Well Location
- Former Excavation Extent
- 3339 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3339.84) - Corrected Groundwater Elevation, ft.
- Grounwater Flow Direction

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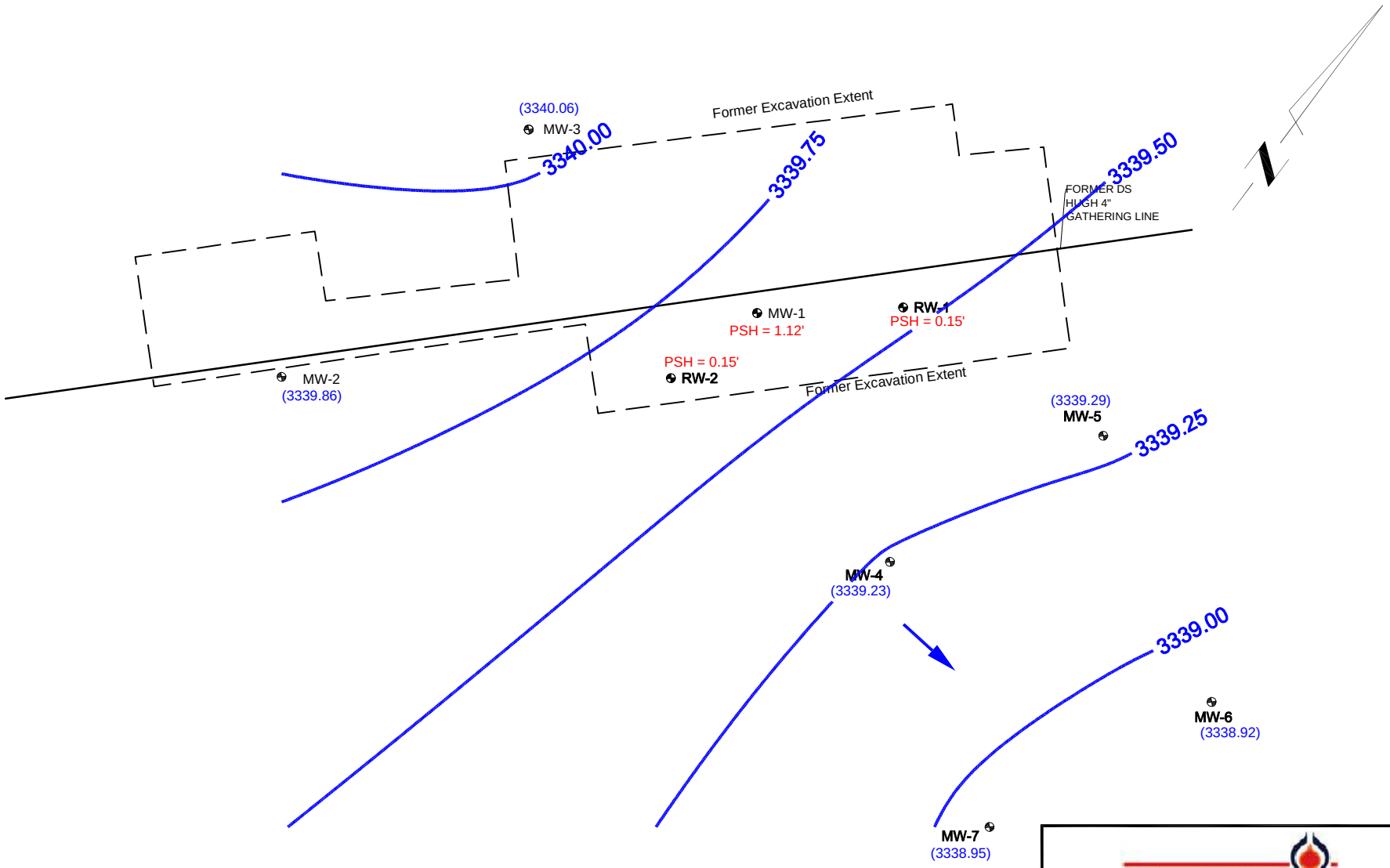
Figure 3B
2nd Quarter 2014 - Groundwater Gradient Map
June 6, 2014
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 1/15



LEGEND:

- MW- - Monitoring Well Location
- — — — - Former Excavation Extent
- 3339 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3338.95) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

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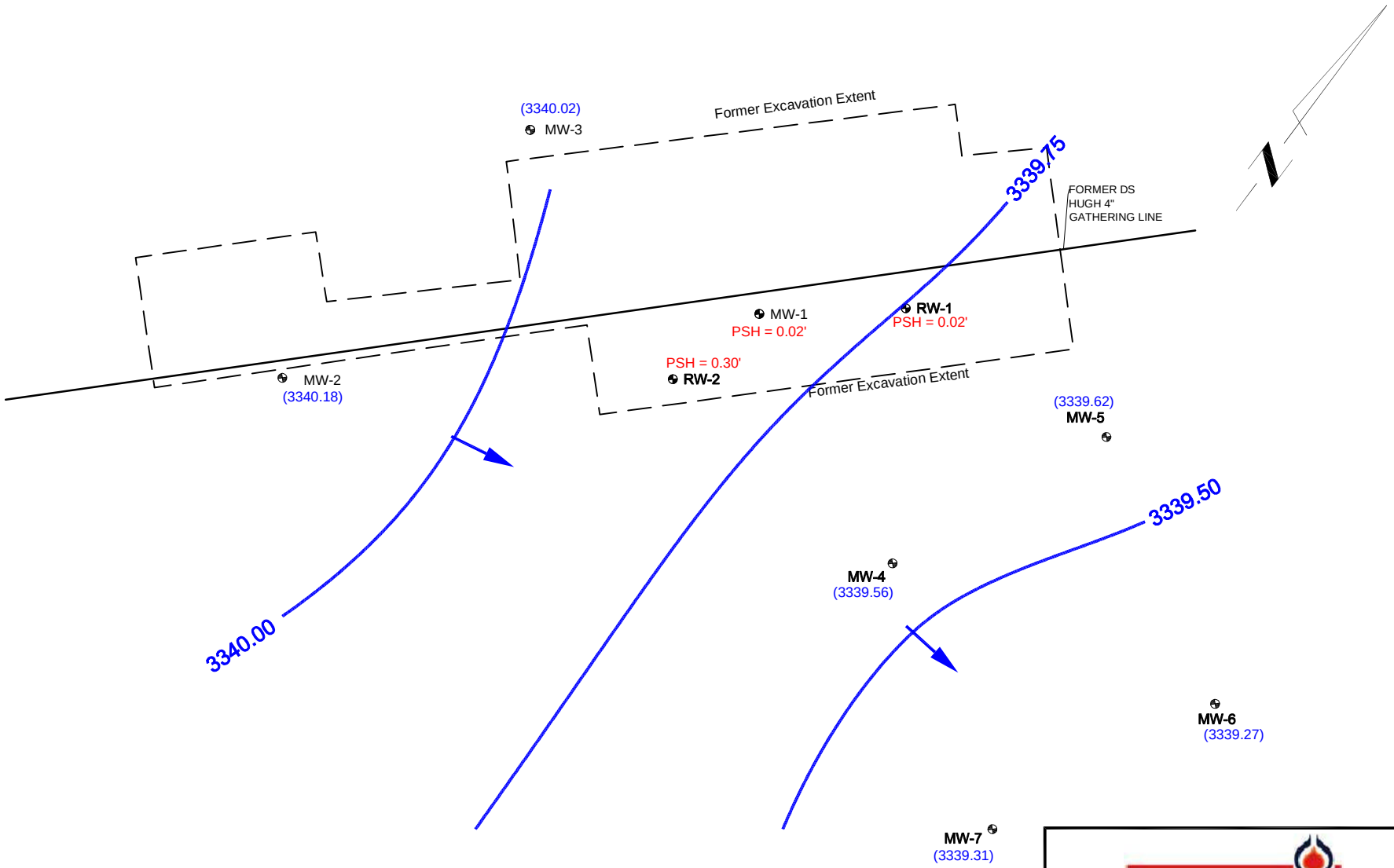
Figure 3C
3rd Quarter 2014 - Groundwater Gradient Map
September 18, 2014
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 1/15



LEGEND:

- MW- - Monitoring Well Location
- — — — - Former Excavation Extent
- 3339 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3340.18) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

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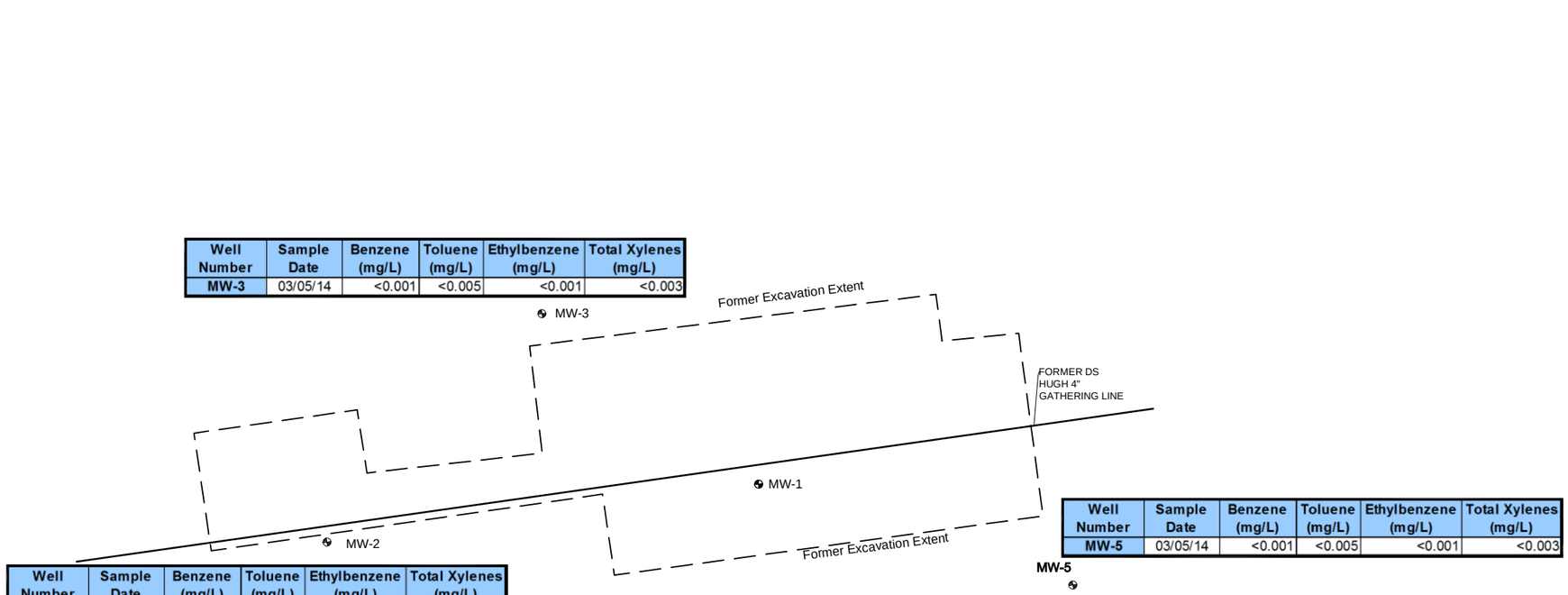
Figure 3D
4th Quarter 2014 - Groundwater Gradient Map
November 12, 2014
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 1/15



Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	03/05/14	<0.001	<0.005	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	03/05/14	<0.001	<0.005	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	03/05/14	<0.001	<0.005	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	03/05/14	0.00051 J	<0.005	0.047	0.014

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	03/05/14	<0.001	<0.005	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	03/05/14	<0.001	<0.005	<0.001	<0.003

LEGEND:

MW- - MONITOR WELL LOCATIONS

— — — - FORMER EXCAVATION EXTENT

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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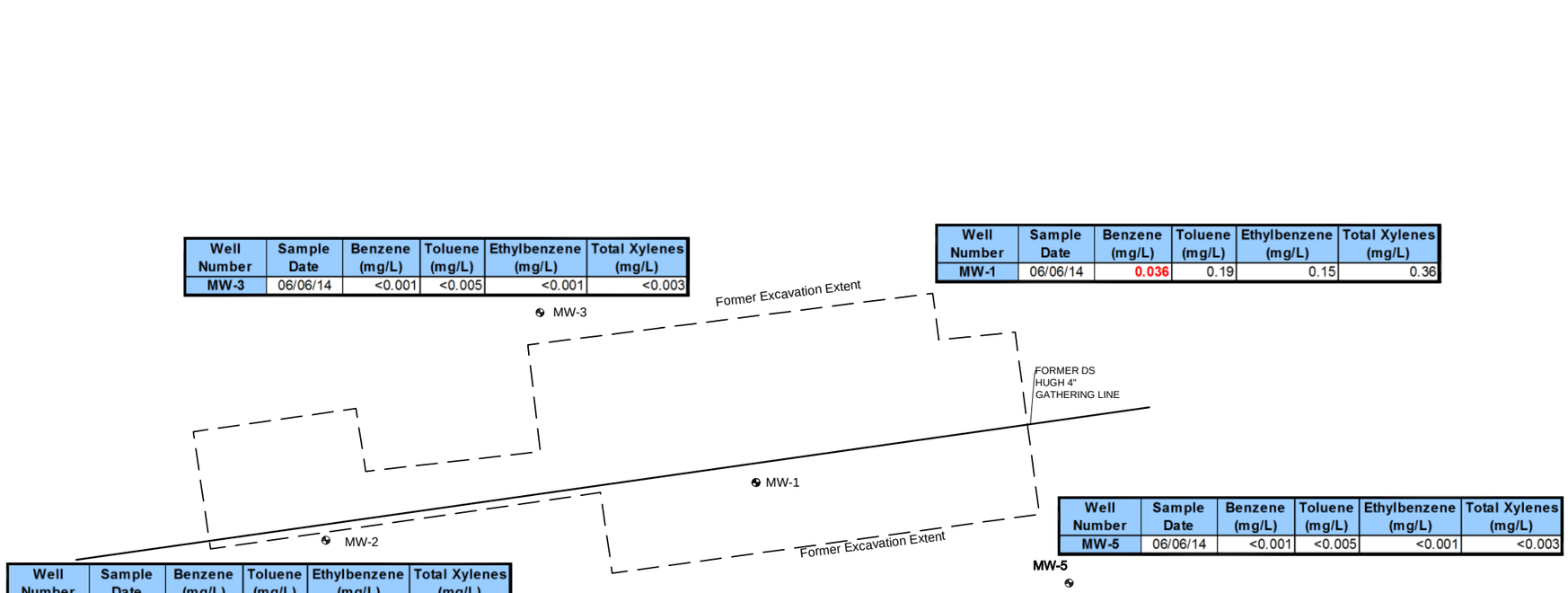
Figure 4A
1st Quarter 2014 - Groundwater Analytical Map
March 5, 2014
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 1/15



Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	06/06/14	<0.001	<0.005	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-1	06/06/14	**0.036**	0.19	0.15	0.36

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	06/06/14	<0.001	<0.005	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	06/06/14	<0.001	<0.005	<0.001	<0.003

MW-4

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	06/06/14	<0.001	<0.005	<0.001	<0.003

MW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	06/06/14	<0.001	<0.005	<0.001	<0.003

MW-7

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	06/06/14	<0.001	<0.005	<0.001	<0.003

LEGEND:

MW- - MONITOR WELL LOCATIONS

— — — - FORMER EXCAVATION EXTENT

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 4B
2nd Quarter 2014 - Groundwater Analytical Map
June 6, 2014
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 1/15

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	09/18/14	<0.001	<0.005	<0.001	<0.003

MW-3

Former Excavation Extent

FORMER DS HUGH 4" GATHERING LINE

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-1	09/18/14	0.0042	0.034	0.016	0.056

MW-1

RW-1

MW-2

RW-2

Former Excavation Extent

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	09/18/14	<0.001	<0.005	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-2	09/18/14	**0.01**	0.14	0.13	0.41

MW-5

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	09/18/14	<0.001	<0.005	<0.001	<0.003

MW-4

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	09/18/14	<0.001	<0.005	<0.001	<0.003

MW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	09/18/14	<0.001	<0.005	<0.001	<0.003

MW-7

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	09/18/14	<0.001	<0.005	<0.001	<0.003

LEGEND:

MW- - MONITOR WELL LOCATIONS

— — — - FORMER EXCAVATION EXTENT

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 2014 - Groundwater Analytical Map
September 18, 2014
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 1/15

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	11/12/14	<0.001	<0.005	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-1	11/12/14	<0.001	<0.005	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	11/12/14	<0.001	<0.005	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	11/12/14	<0.001	<0.005	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	11/12/14	<0.001	<0.005	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	11/12/14	<0.001	<0.005	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	11/12/14	<0.001	<0.005	<0.001	<0.003

Former Excavation Extent

FORMER DS HUGH 4" GATHERING LINE

MW-3 MW-1 RW-1 MW-2 RW-2 MW-5 MW-4 MW-6 MW-7

Former Excavation Extent

LEGEND:

MW- - MONITOR WELL LOCATIONS

— — — - FORMER EXCAVATION EXTENT

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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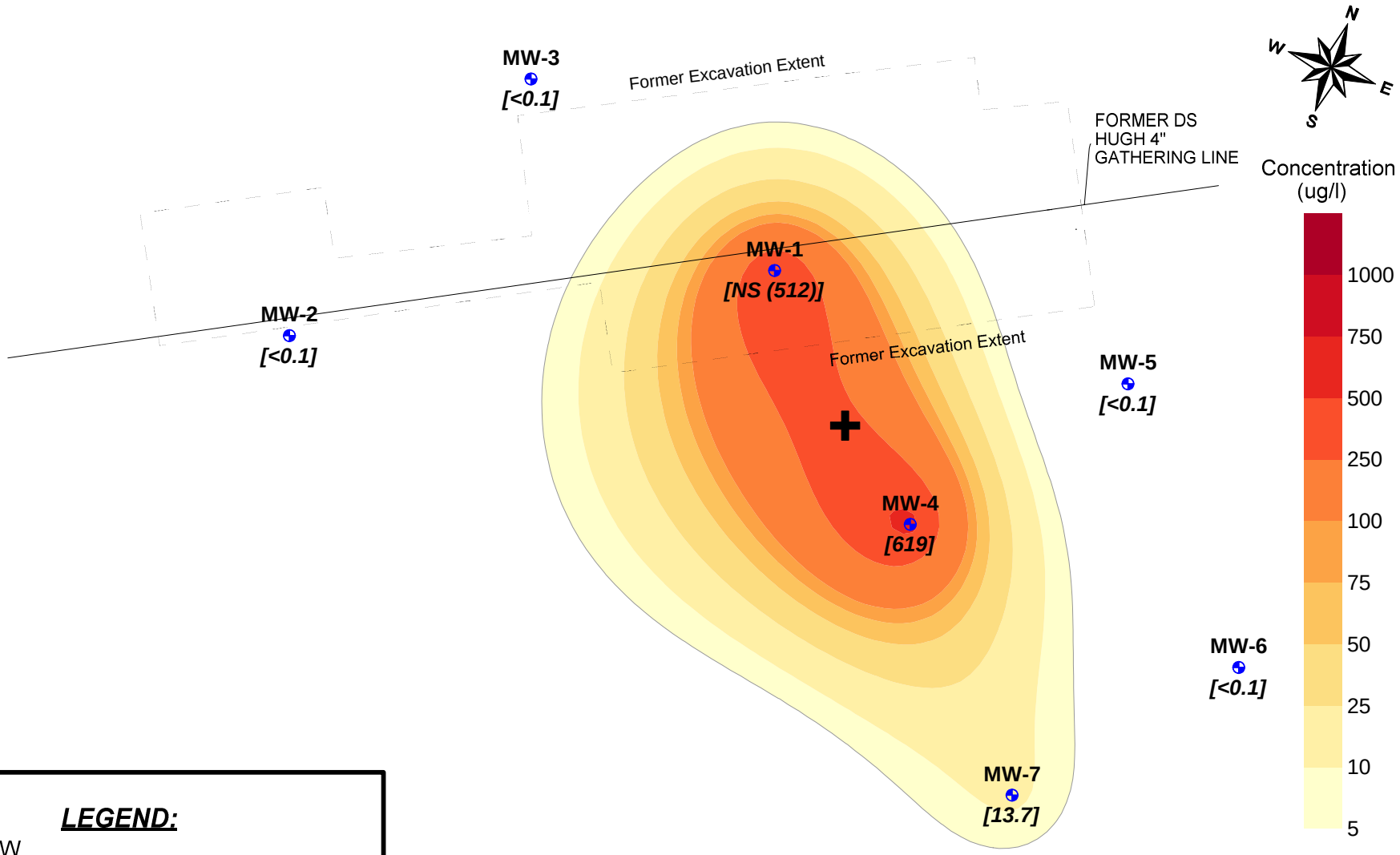
Figure 4D
4th Quarter 2014 - Groundwater Analytical Map
November 12, 2014
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 1/15



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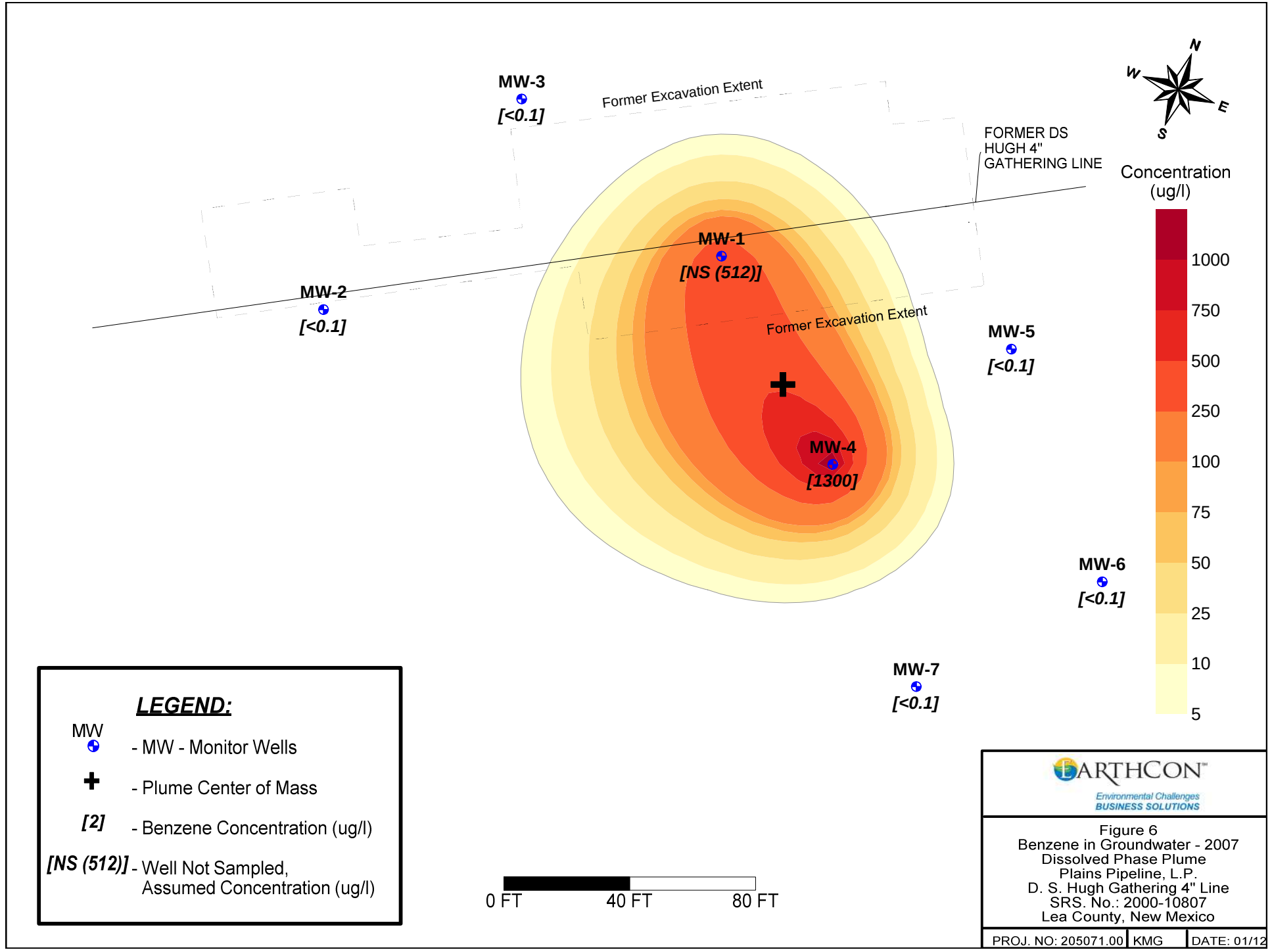
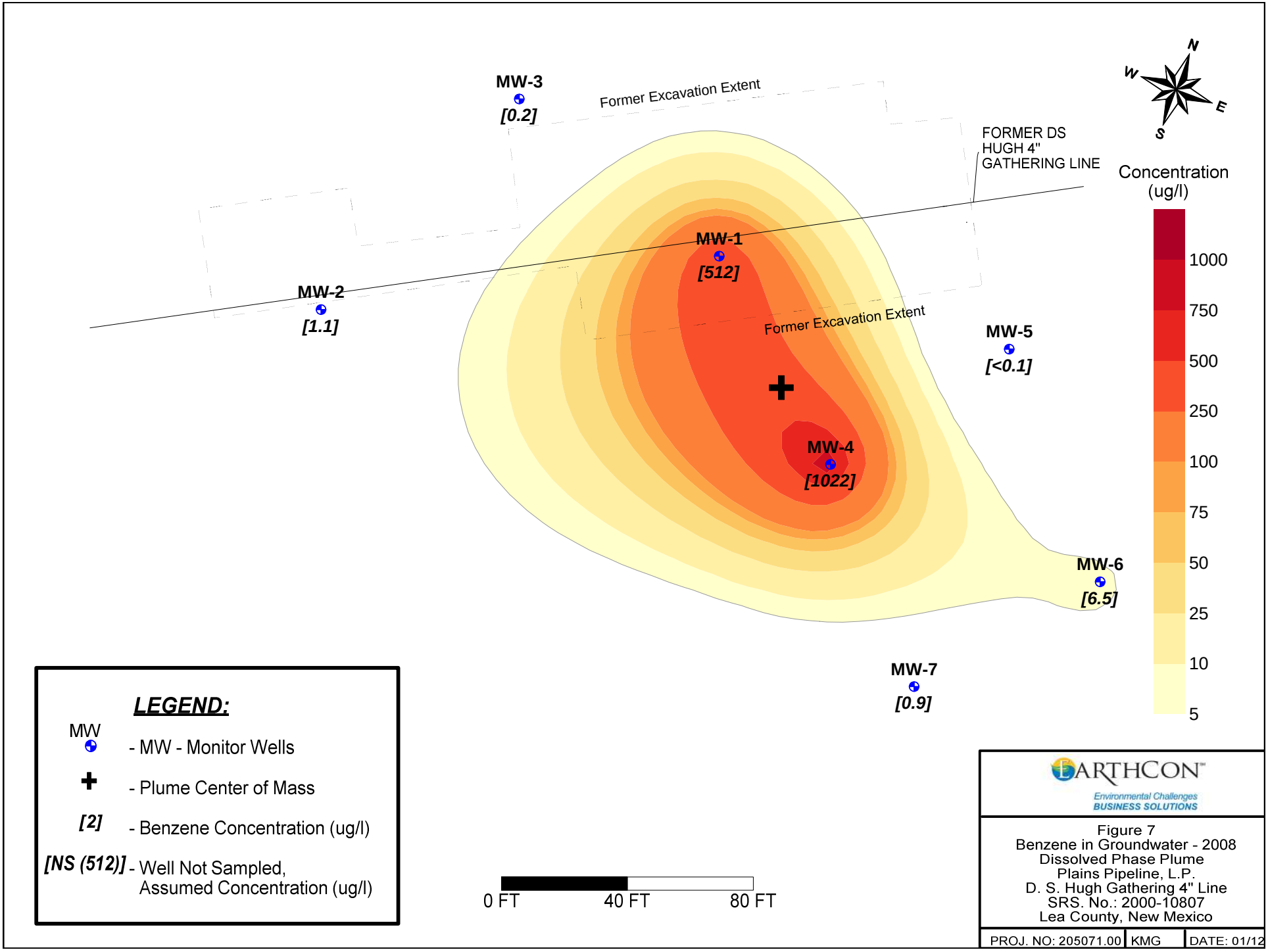
Environmental Challenges
BUSINESS SOLUTIONS

Figure 5
Benzene in Groundwater - 2006
Dissolved Phase Plume
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	KMG	DATE: 01/12

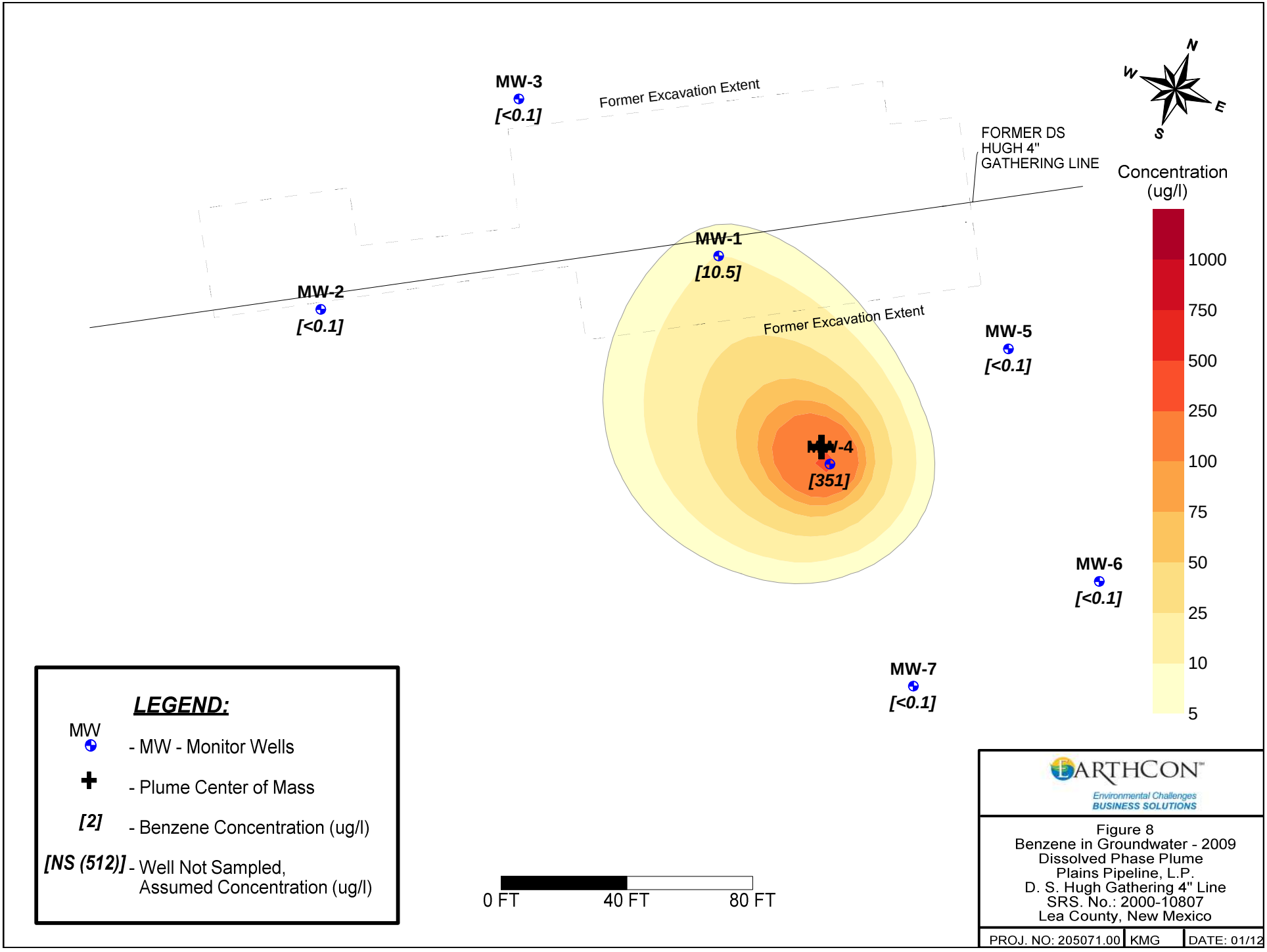

MW-3
[<0.1]
Former Excavation Extent
FORMER DS
HUGH 4"
GATHERING LINE
N
W
E
S
Concentration
(ug/l)
1000
750
500
250
100
75
50
25
10
5
MW-1
[NS (512)]
MW-2
[<0.1]
Former Excavation Extent
MW-5
[<0.1]
MW-4
[1300]
MW-6
[<0.1]
MW-7
[<0.1]
LEGEND:
MW - MW - Monitor Wells
+ - Plume Center of Mass
[2] - Benzene Concentration (ug/l)
[NS (512)] - Well Not Sampled, Assumed Concentration (ug/l)
0 FT
40 FT
80 FT
EARTHCON
Environmental Challenges
BUSINESS SOLUTIONS
Figure 6
Benzene in Groundwater - 2007
Dissolved Phase Plume
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico
PROJ. NO: 205071.00
KMG
DATE: 01/12



EARTHCON
Environmental Challenges
BUSINESS SOLUTIONS

Figure 7
Benzene in Groundwater - 2008
Dissolved Phase Plume
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	KMG	DATE: 01/12


MW-3
[<0.1]
Former Excavation Extent
FORMER DS HUGH 4" GATHERING LINE
MW-1
[10.5]
MW-2
[<0.1]
Former Excavation Extent
MW-5
[<0.1]
MW-4
[351]
MW-6
[<0.1]
MW-7
[<0.1]
N
W
E
S
Concentration (ug/l)
1000
750
500
250
100
75
50
25
10
5
LEGEND:
MW - MW - Monitor Wells
+ - Plume Center of Mass
[2] - Benzene Concentration (ug/l)
[NS (512)] - Well Not Sampled, Assumed Concentration (ug/l)
0 FT
40 FT
80 FT
EARTHCON
Environmental Challenges BUSINESS SOLUTIONS
Figure 8
Benzene in Groundwater - 2009
Dissolved Phase Plume
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico
PROJ. NO: 205071.00
KMG
DATE: 01/12

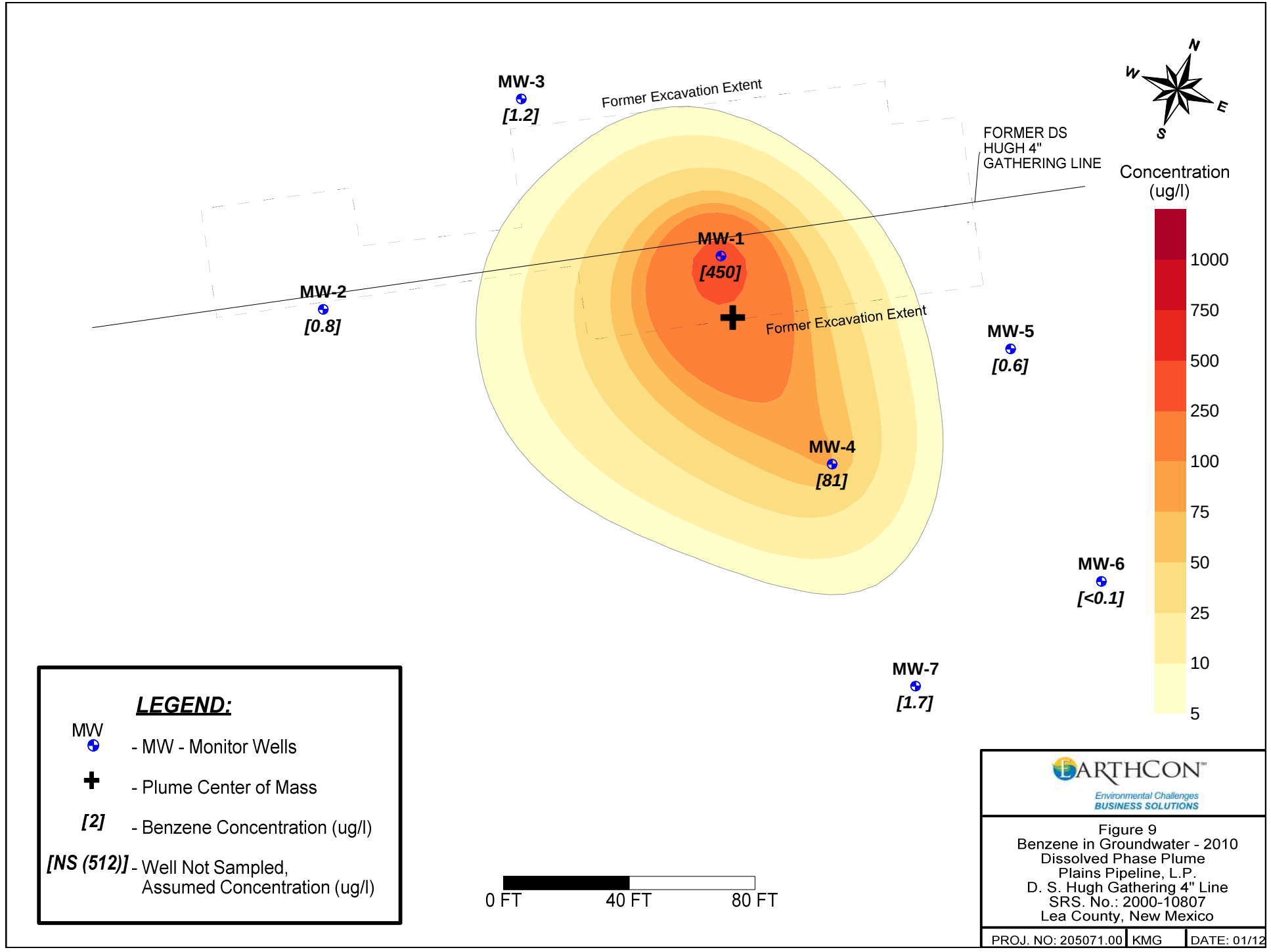


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Figure 9
Benzene in Groundwater - 2010
Dissolved Phase Plume
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	KMG	DATE: 01/12

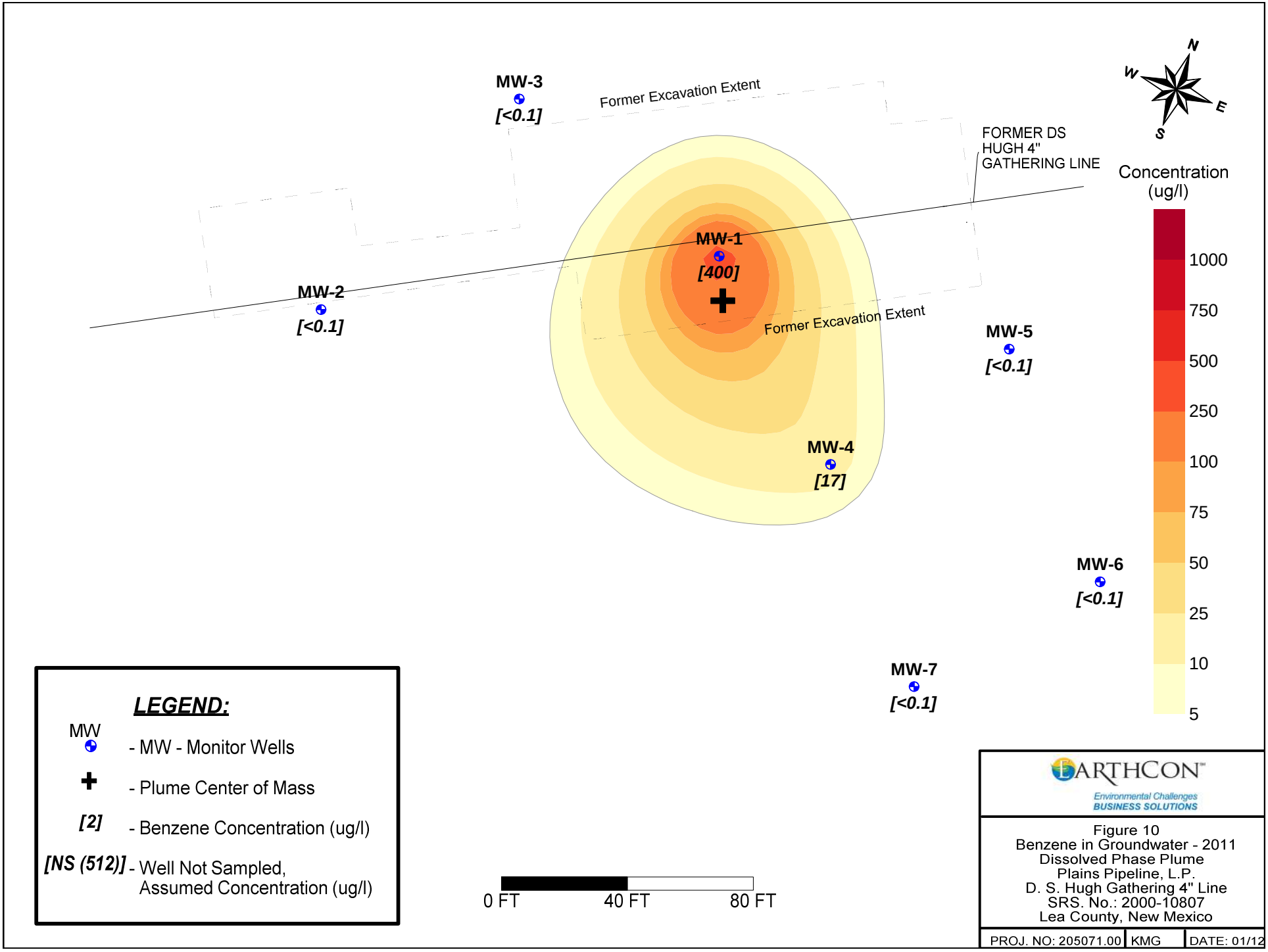

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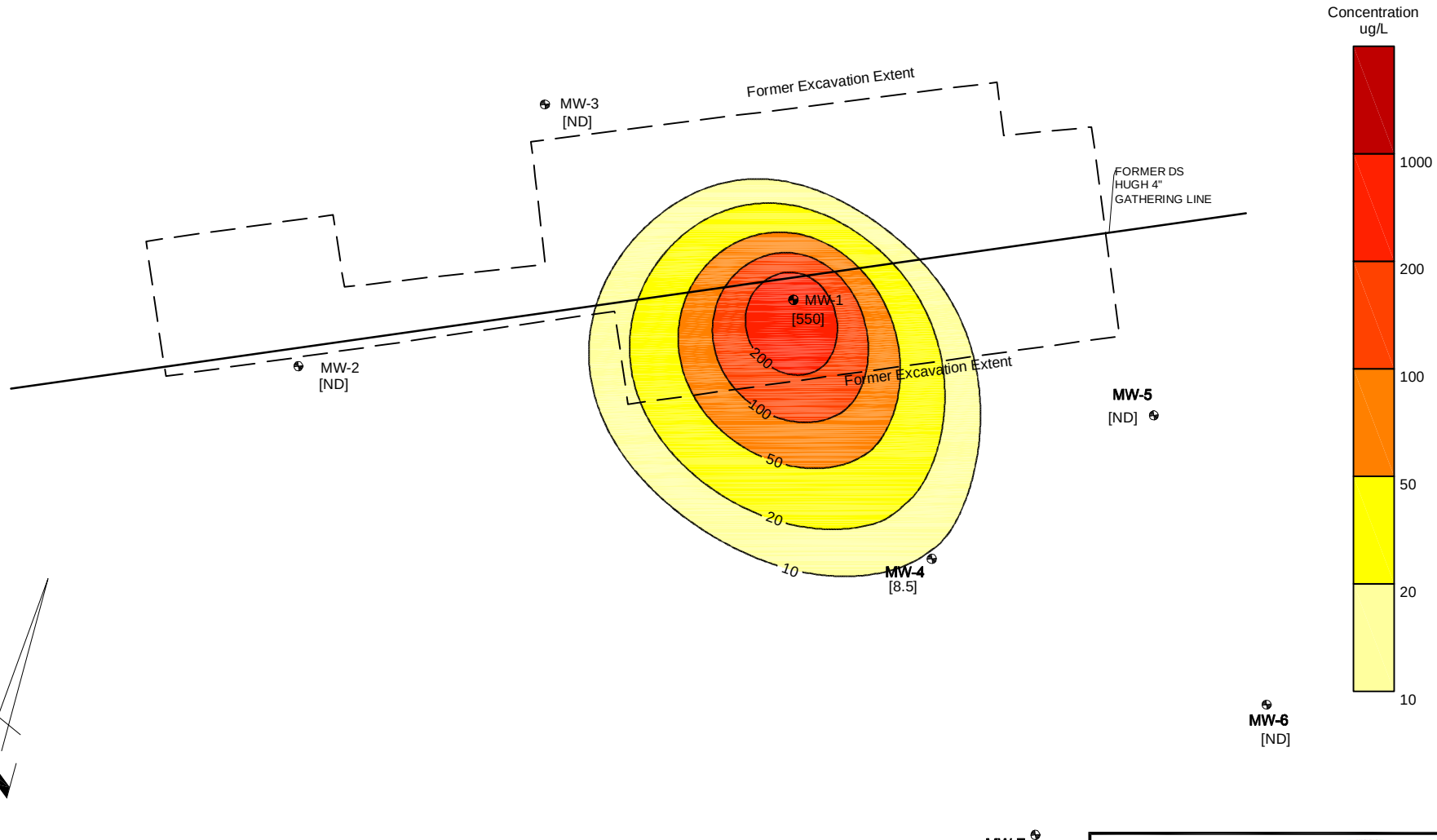
Figure 10
Benzene in Groundwater - 2011
Dissolved Phase Plume
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	KMG	DATE: 01/12



LEGEND:

- MW- - MONITOR WELL LOCATIONS
- — — — - FORMER EXCAVATION EXTENT
- [550] - BENZENE CONCENTRATION IN ug/L
- ND - NOT DETECTED

NOTE:

The benzene concentrations presented on this map represent an average of the concentrations reported in the groundwater samples collected during each quarterly sampling event during 2012. The only exception is the concentration reported in groundwater sample collected from MW-1. This well was only sampled during the 2nd Quarter 2012.

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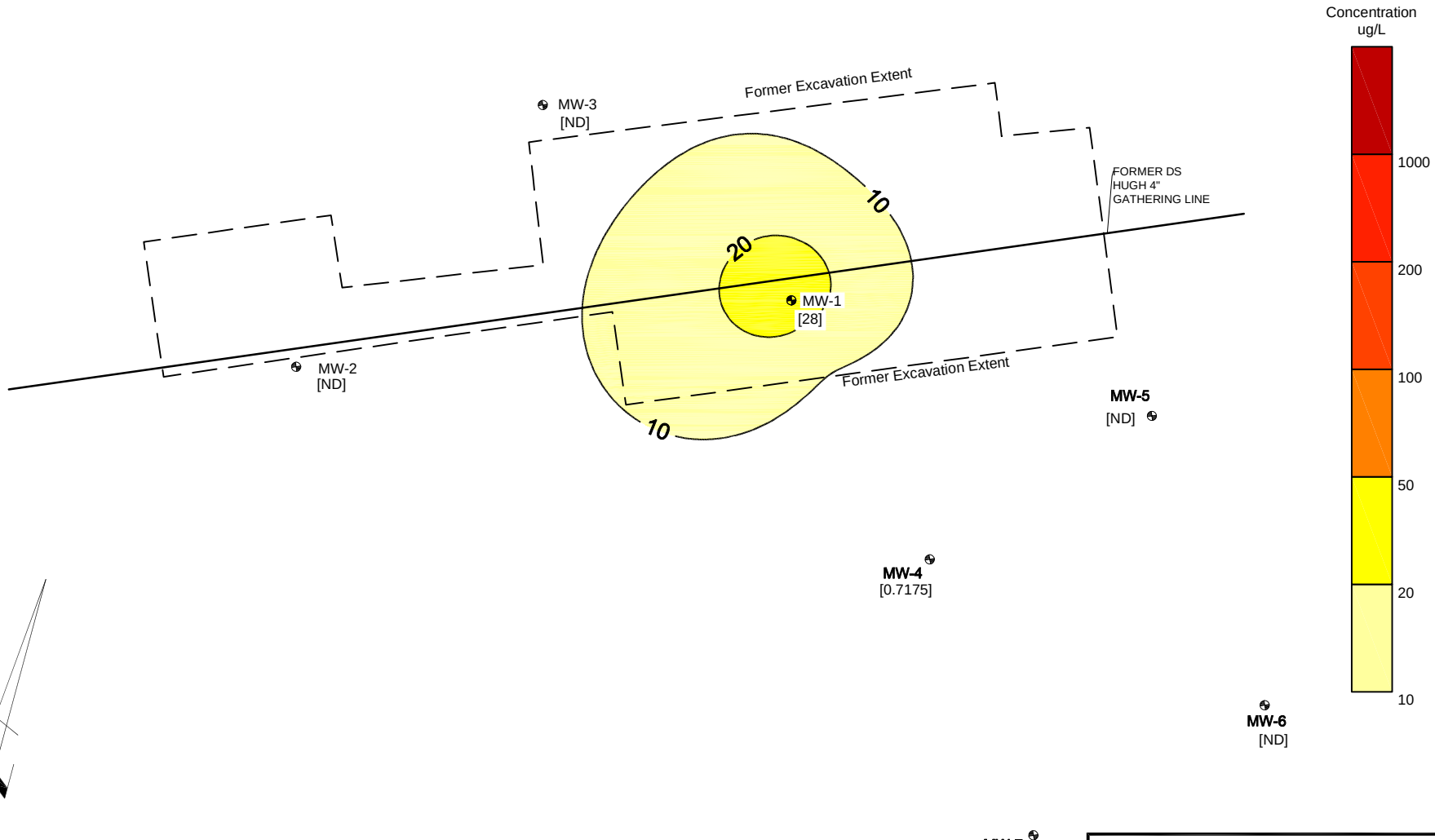
Figure 11
2012 - Benzene Isopleth Map
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 7/12



LEGEND:

- MW- - MONITOR WELL LOCATIONS
- — — — - FORMER EXCAVATION EXTENT
- [28] - BENZENE CONCENTRATION IN ug/L
- ND - NOT DETECTED

NOTE:

The benzene concentrations presented on this map represent an average of the concentrations reported in the groundwater samples collected during each quarterly sampling event during 2013. The only exception is the concentration reported in groundwater sample collected from MW-1. This well was only sampled during the 2nd Quarter 2013.

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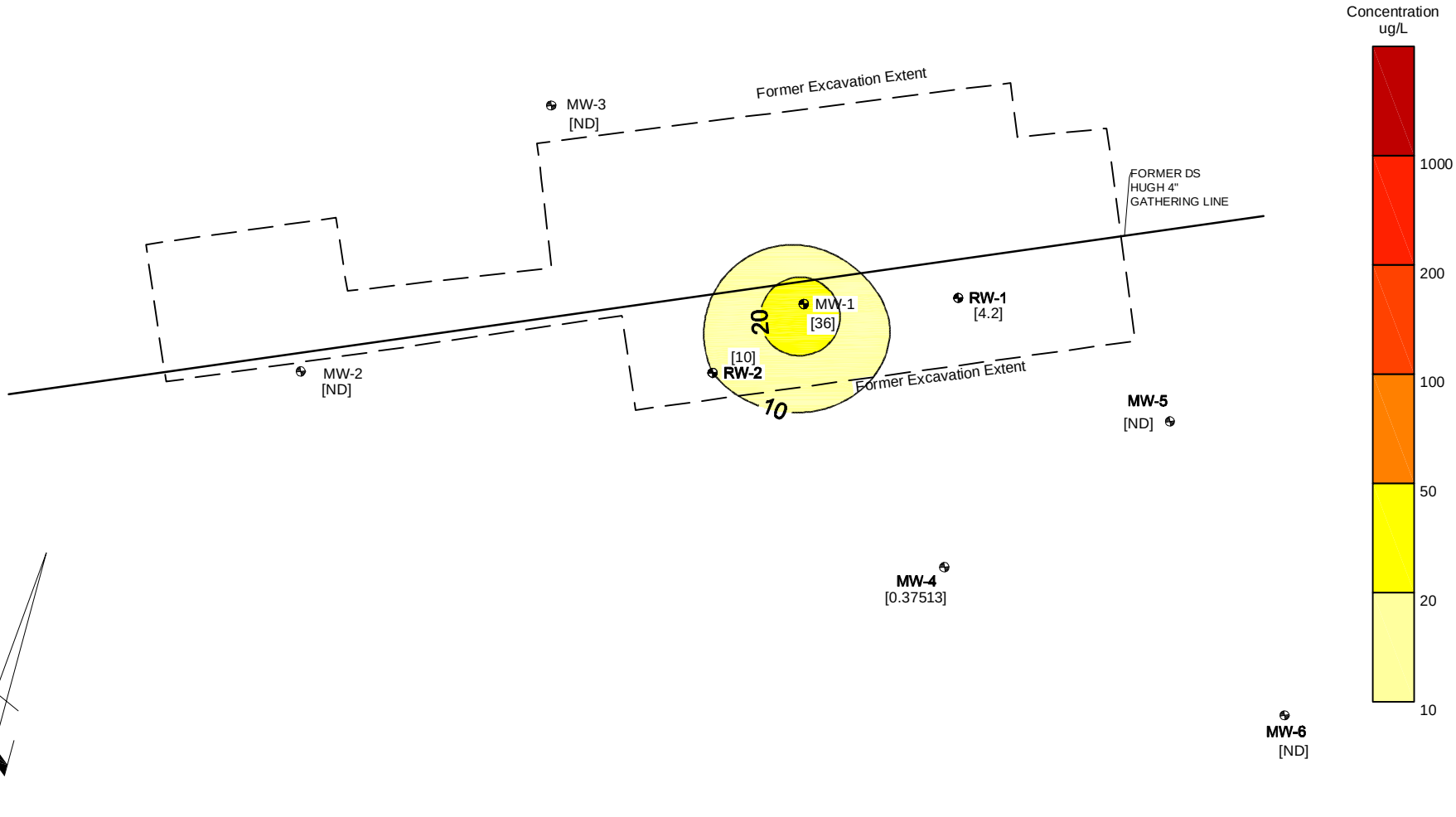
Figure 12
2013 - Benzene Isopleth Map
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 2/14



LEGEND:

- MW- - MONITOR WELL LOCATIONS
- — — — - FORMER EXCAVATION EXTENT
- [28] - BENZENE CONCENTRATION IN ug/L
- ND - NOT DETECTED

NOTE:

The benzene concentrations presented on this map represent an average of the concentrations reported in the groundwater samples collected during each quarterly sampling event during 2014. The only exception is the concentration reported in groundwater sample collected from MW-1, RW-1, & RW-2. MW-1 well was only sampled during the 2nd Quarter 2014 and RW-1 and RW-2 was only sampled during the 3rd Quarter 2014..

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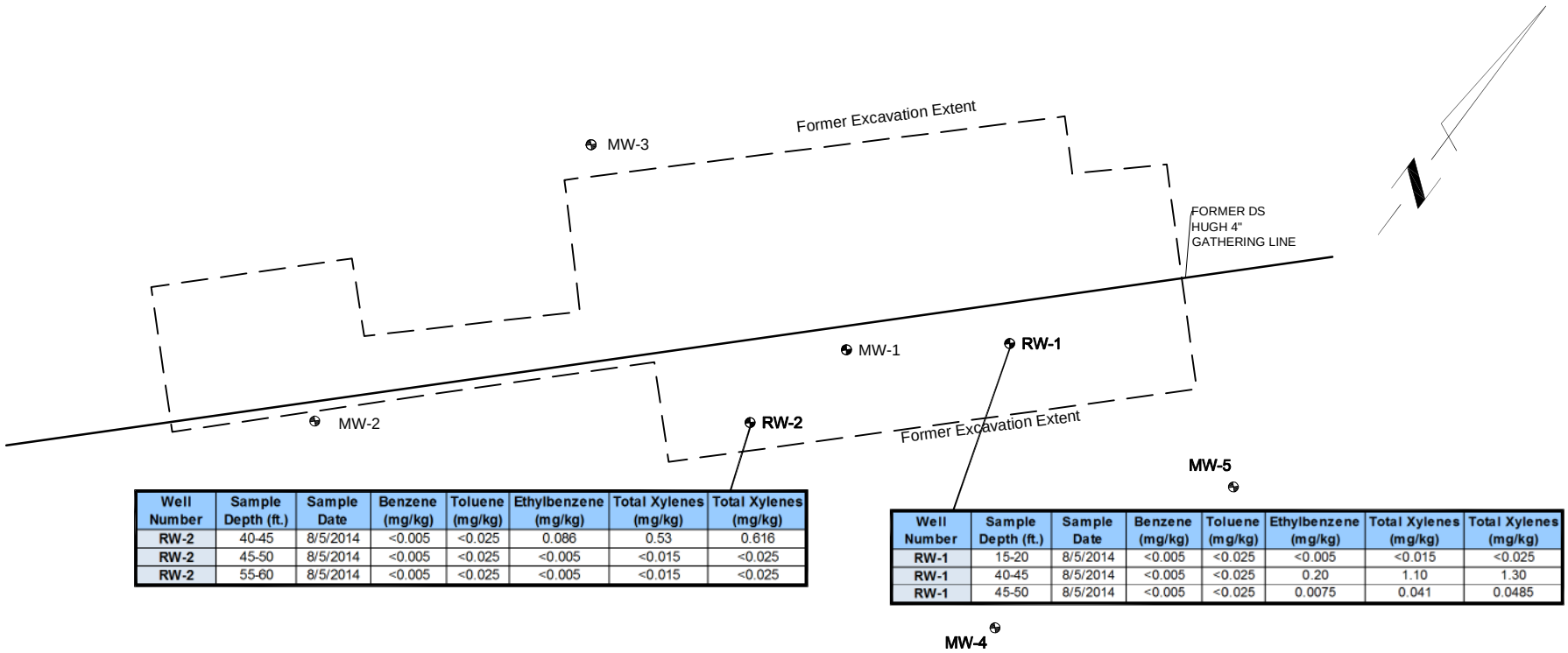
Figure 13
2014 - Benzene Isopleth Map
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 1/15



Well Number	Sample Depth (ft.)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total Xylenes (mg/kg)
RW-2	40-45	8/5/2014	<0.005	<0.025	0.086	0.53	0.616
RW-2	45-50	8/5/2014	<0.005	<0.025	<0.005	<0.015	<0.025
RW-2	55-60	8/5/2014	<0.005	<0.025	<0.005	<0.015	<0.025

Well Number	Sample Depth (ft.)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total Xylenes (mg/kg)
RW-1	15-20	8/5/2014	<0.005	<0.025	<0.005	<0.015	<0.025
RW-1	40-45	8/5/2014	<0.005	<0.025	0.20	1.10	1.30
RW-1	45-50	8/5/2014	<0.005	<0.025	0.0075	0.041	0.0485

LEGEND:

MW- - Monitoring Well Location

— — — - Former Excavation Extent

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

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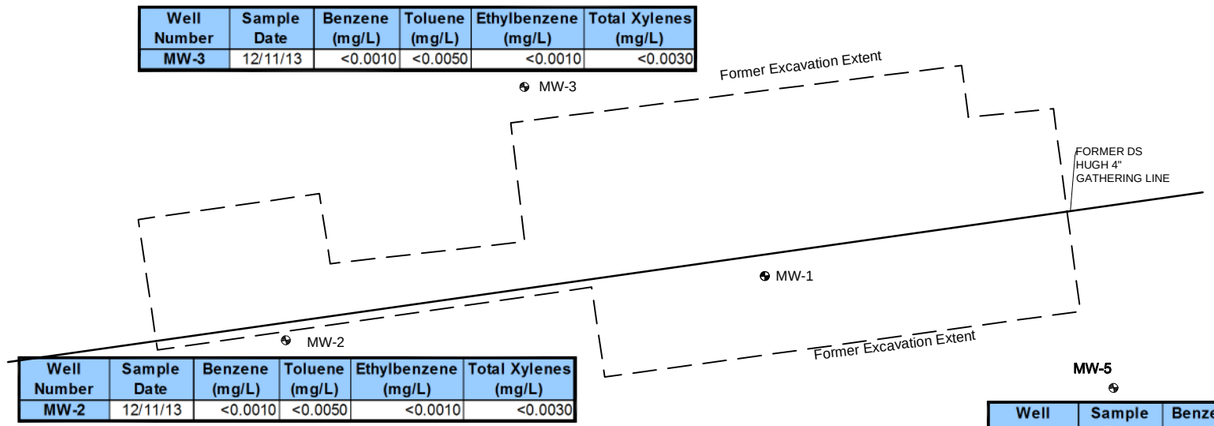
Figure 14
Soil COC Concentration Map
August 5, 2014
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 1/15



Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	12/11/13	<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-2	12/11/13	<0.0010	<0.0050	<0.0010	<0.0030

MW-5

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	12/11/13	<0.0010	<0.0050	<0.0010	<0.0030

MW-4

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	12/11/13	0.00075 J	<0.0050	0.0079	0.0052

MW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	12/11/13	<0.0010	<0.0050	<0.0010	<0.0030

MW-7

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	12/11/13	<0.0010	<0.0050	<0.0010	<0.0030

LEGEND:

MW- - MONITOR WELL LOCATIONS

— — — - FORMER EXCAVATION EXTENT

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.

0 40

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Figure 4D
4th Quarter 2013 Groundwater Analytical Map
December 11, 2013
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 1/14

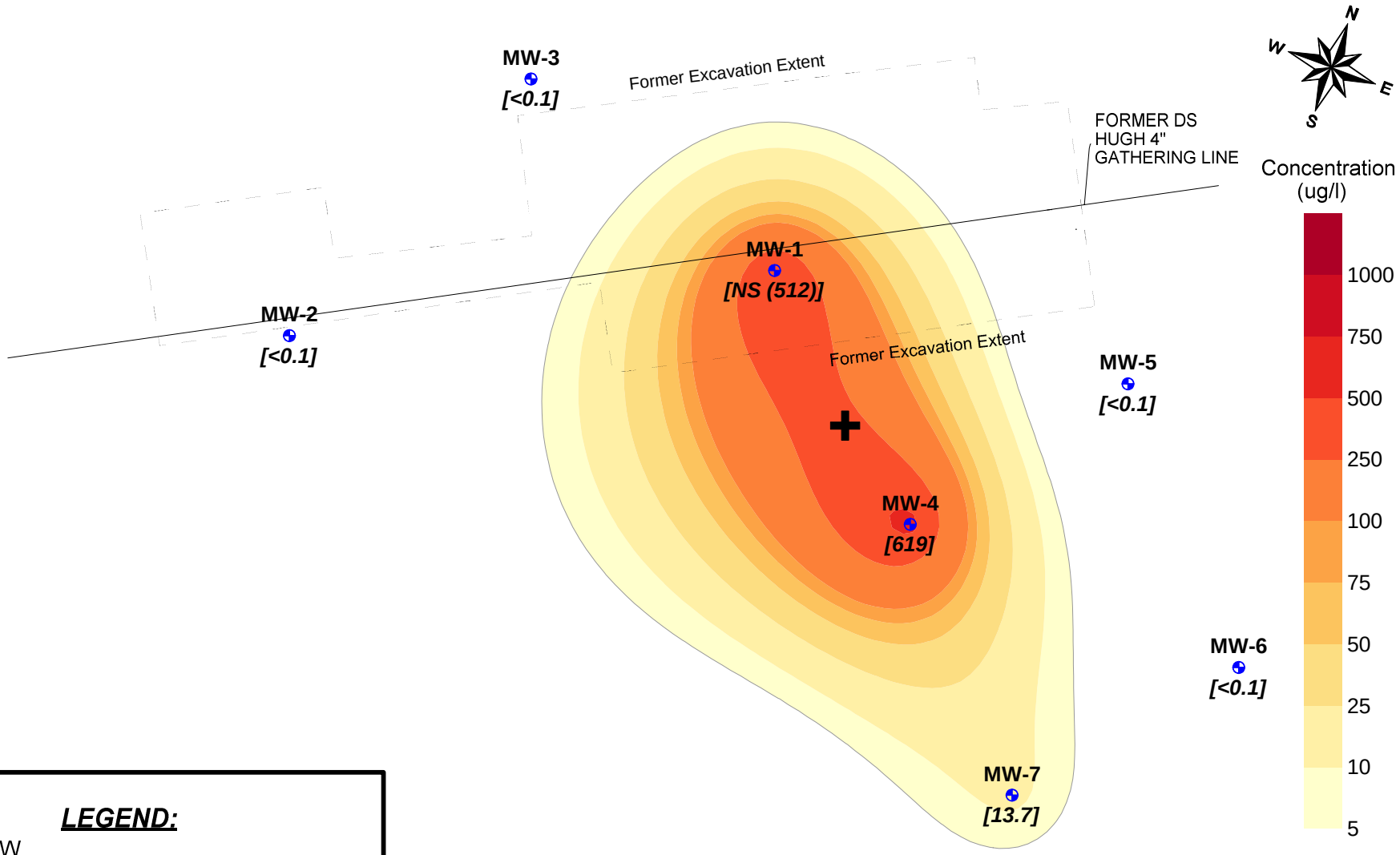

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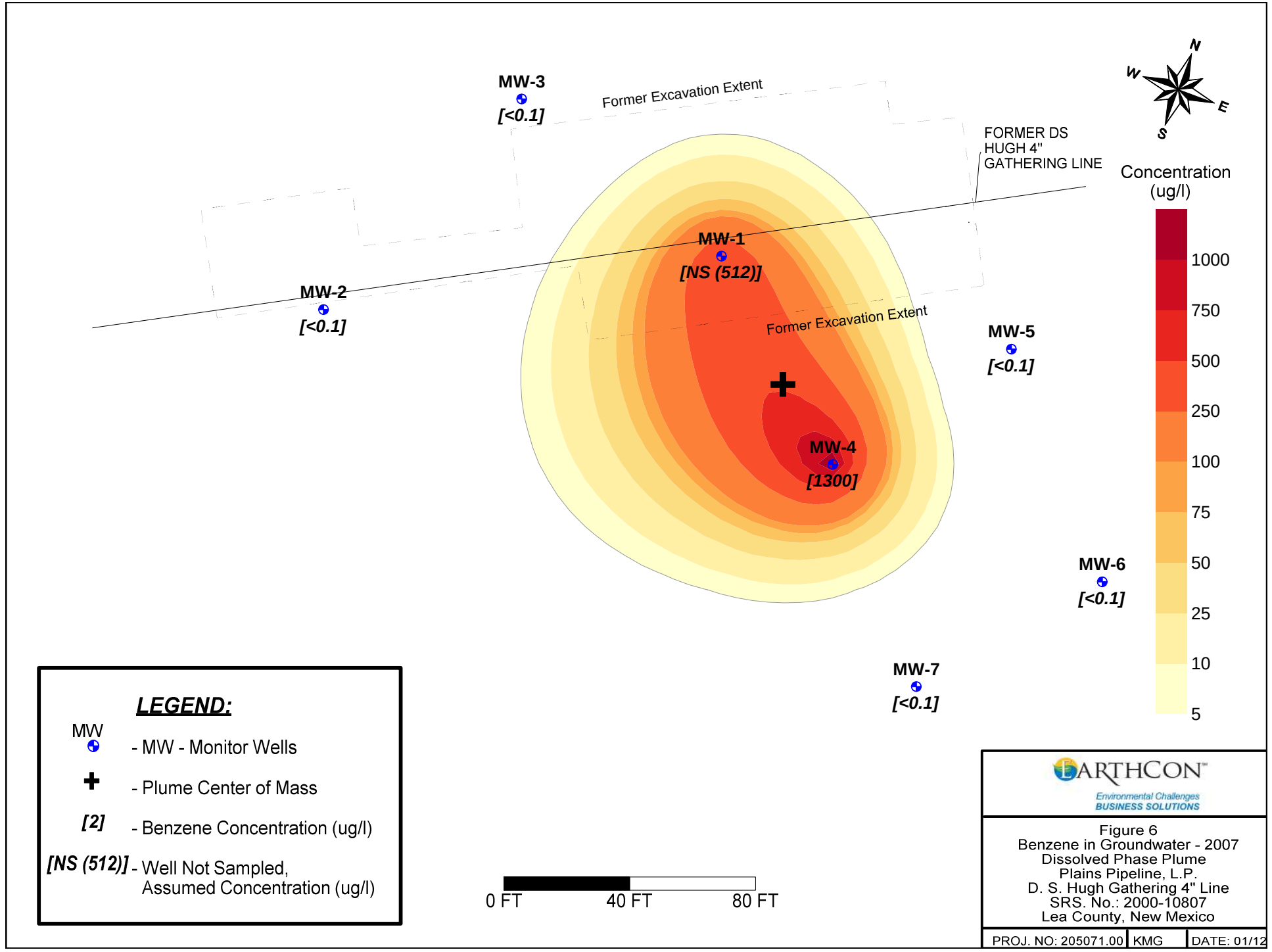
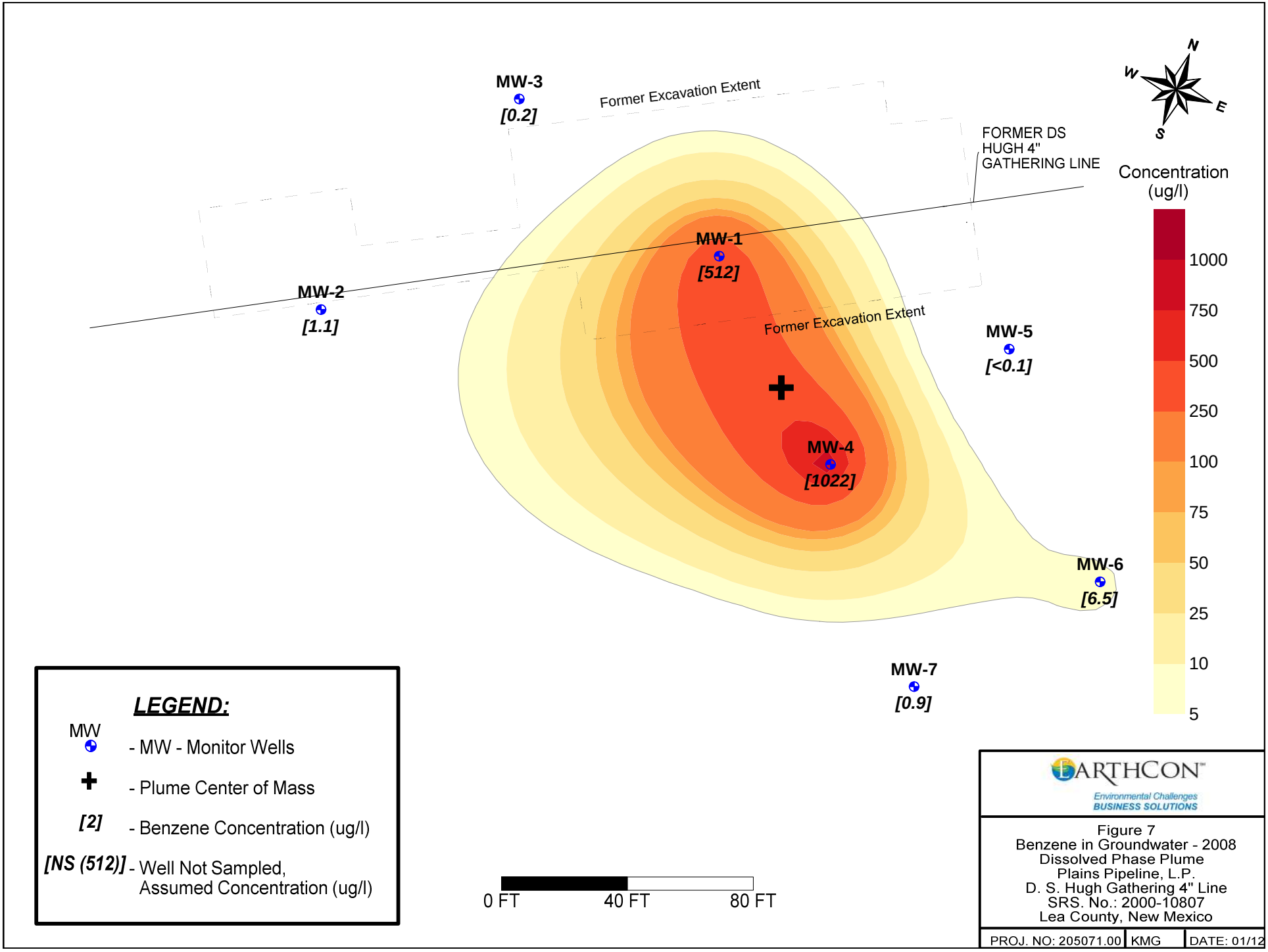
Figure 5
Benzene in Groundwater - 2006
Dissolved Phase Plume
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	KMG	DATE: 01/12


MW-3
[<0.1]
Former Excavation Extent
FORMER DS
HUGH 4"
GATHERING LINE
N
W
E
S
Concentration
(ug/l)
1000
750
500
250
100
75
50
25
10
5
MW-1
[NS (512)]
MW-2
[<0.1]
Former Excavation Extent
MW-5
[<0.1]
MW-4
[1300]
MW-6
[<0.1]
MW-7
[<0.1]
LEGEND:
MW - MW - Monitor Wells
+ - Plume Center of Mass
[2] - Benzene Concentration (ug/l)
[NS (512)] - Well Not Sampled, Assumed Concentration (ug/l)
0 FT
40 FT
80 FT
EARTHCON
Environmental Challenges
BUSINESS SOLUTIONS
Figure 6
Benzene in Groundwater - 2007
Dissolved Phase Plume
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico
PROJ. NO: 205071.00
KMG
DATE: 01/12



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Environmental Challenges
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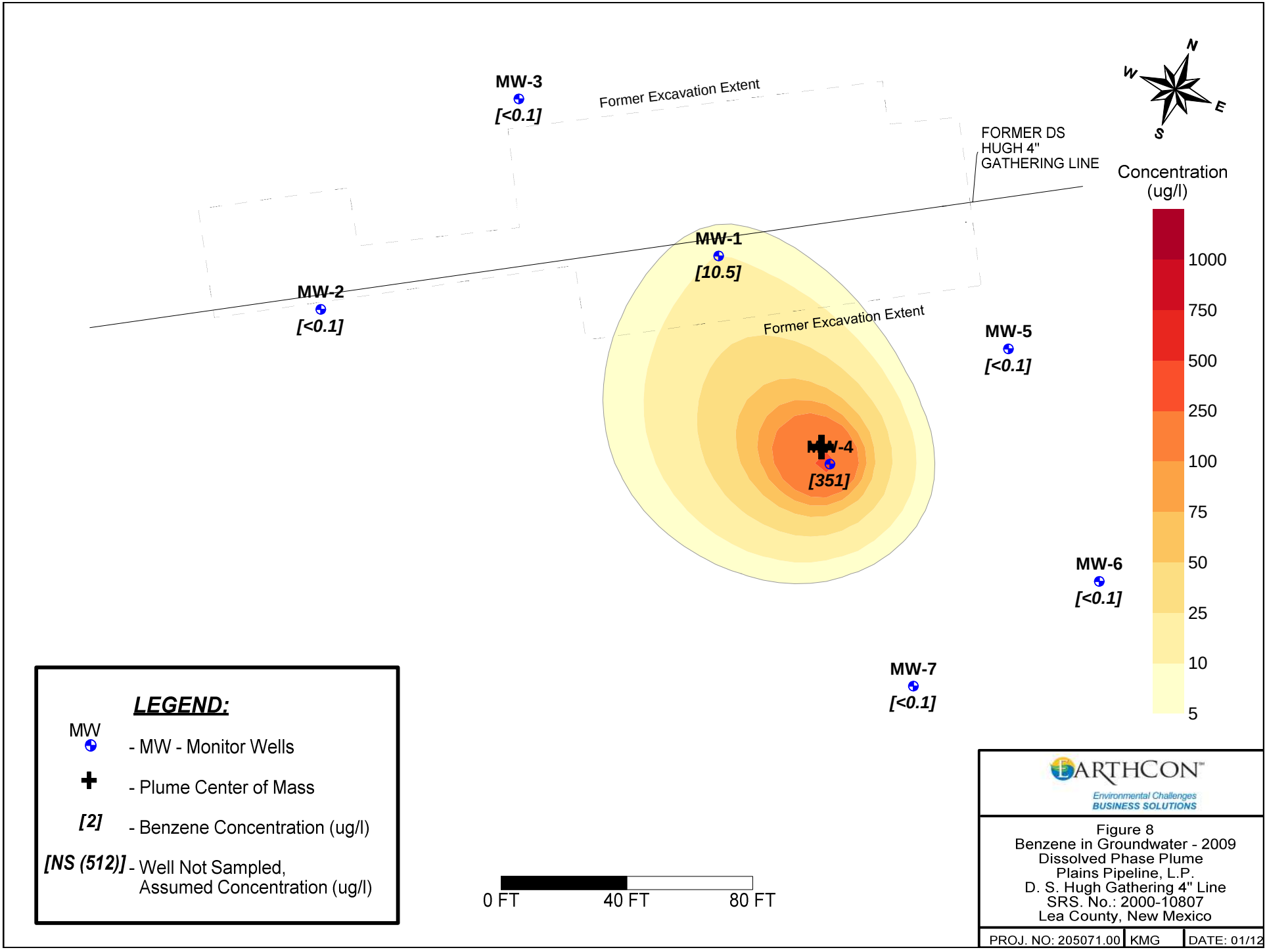
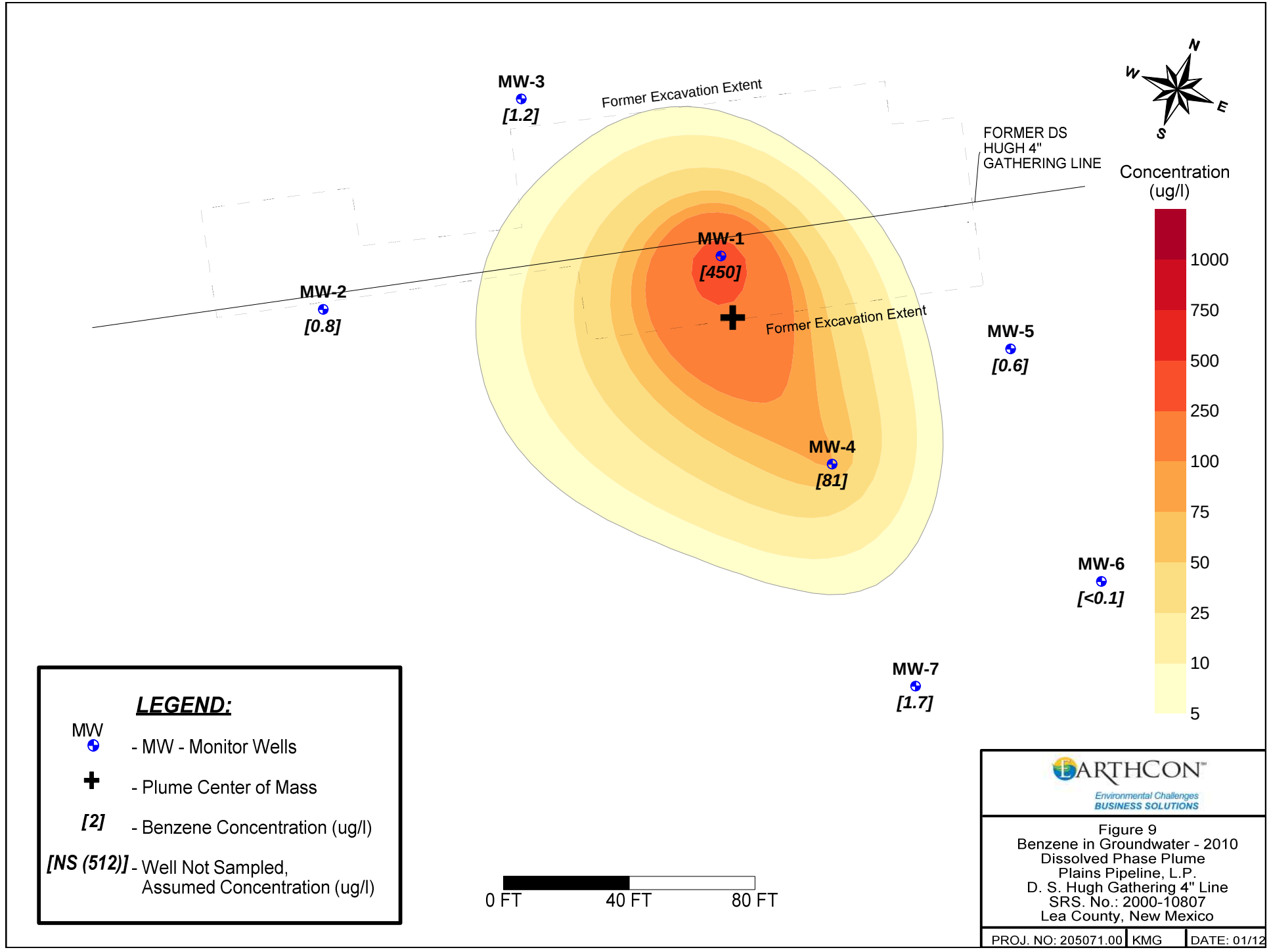
Figure 7
Benzene in Groundwater - 2008
Dissolved Phase Plume
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	KMG	DATE: 01/12


MW-3
[<0.1]
Former Excavation Extent
FORMER DS HUGH 4" GATHERING LINE
MW-1
[10.5]
MW-2
[<0.1]
Former Excavation Extent
MW-5
[<0.1]
MW-4
[351]
MW-6
[<0.1]
MW-7
[<0.1]
N
W
E
S
Concentration (ug/l)
1000
750
500
250
100
75
50
25
10
5
LEGEND:
MW - MW - Monitor Wells
+ - Plume Center of Mass
[2] - Benzene Concentration (ug/l)
[NS (512)] - Well Not Sampled, Assumed Concentration (ug/l)
0 FT
40 FT
80 FT
EARTHCON
Environmental Challenges BUSINESS SOLUTIONS
Figure 8
Benzene in Groundwater - 2009
Dissolved Phase Plume
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico
PROJ. NO: 205071.00
KMG
DATE: 01/12



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Environmental Challenges BUSINESS SOLUTIONS

Figure 9
Benzene in Groundwater - 2010
Dissolved Phase Plume
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	KMG	DATE: 01/12

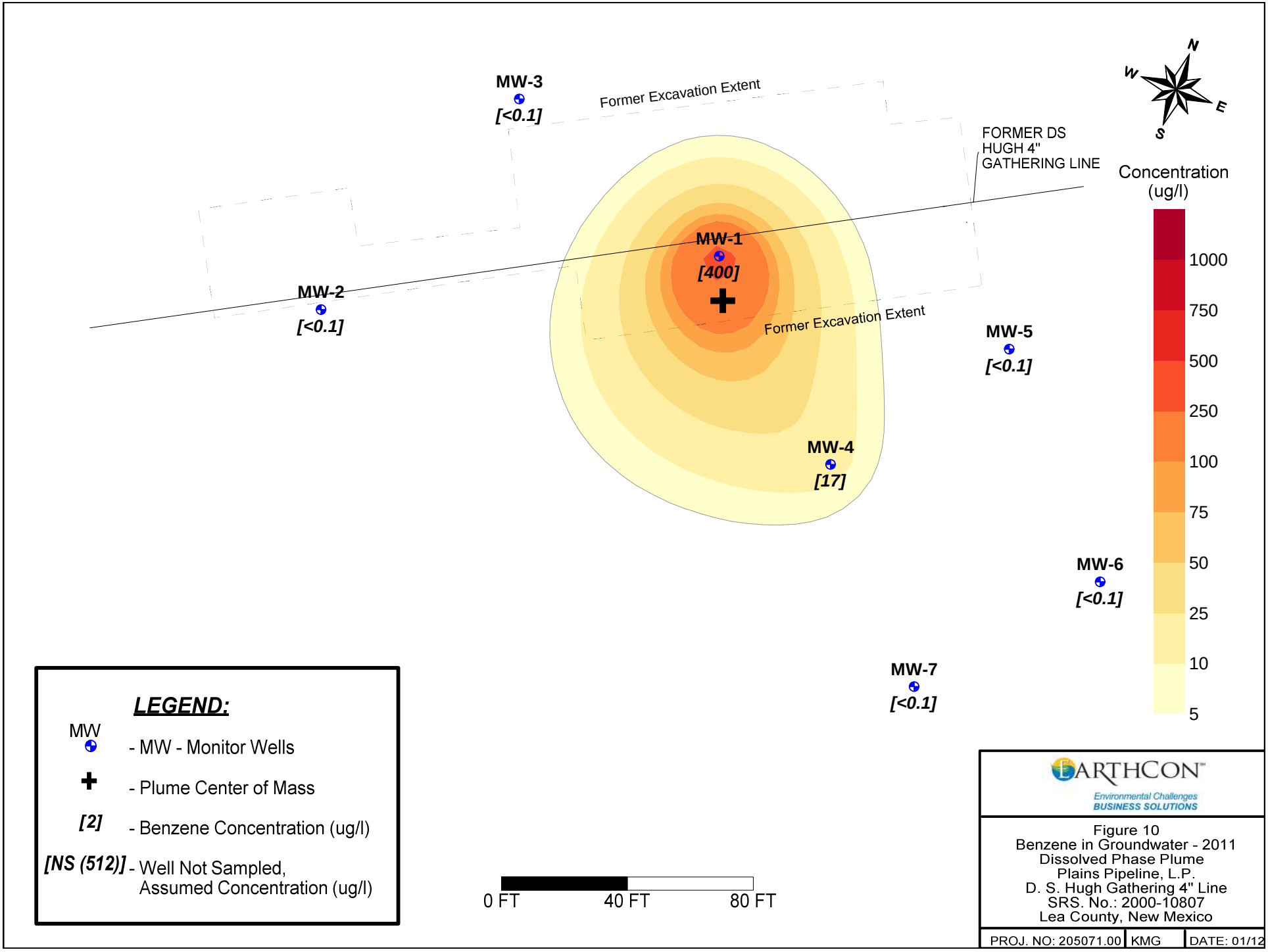

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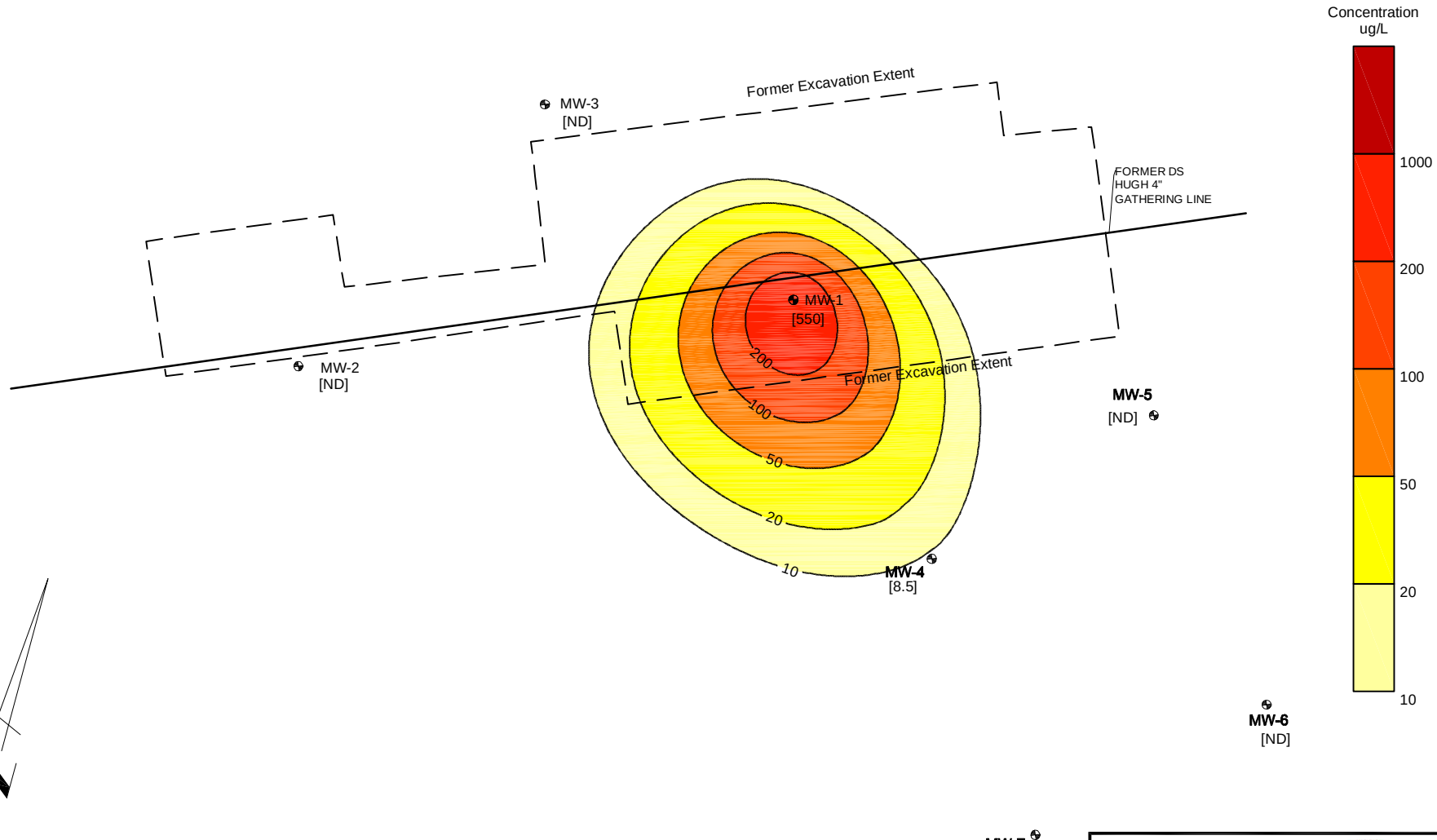
Figure 10
Benzene in Groundwater - 2011
Dissolved Phase Plume
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	KMG	DATE: 01/12



LEGEND:

- MW- - MONITOR WELL LOCATIONS
- — — — - FORMER EXCAVATION EXTENT
- [550] - BENZENE CONCENTRATION IN ug/L
- ND - NOT DETECTED

NOTE:

The benzene concentrations presented on this map represent an average of the concentrations reported in the groundwater samples collected during each quarterly sampling event during 2012. The only exception is the concentration reported in groundwater sample collected from MW-1. This well was only sampled during the 2nd Quarter 2012.

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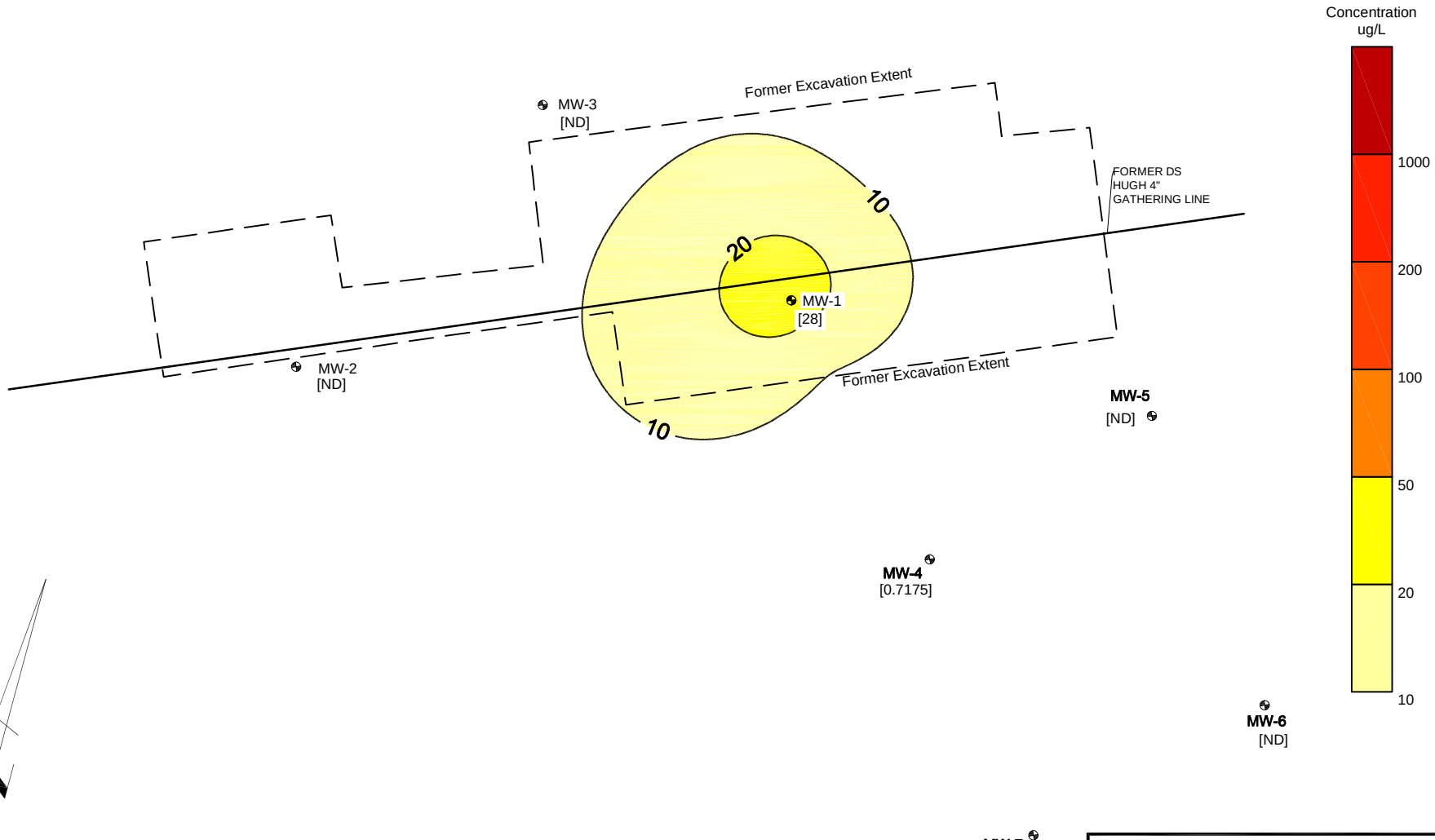
Figure 11
2012 - Benzene Isopleth Map
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 7/12



LEGEND:

- MW- - MONITOR WELL LOCATIONS
- — — — - FORMER EXCAVATION EXTENT
- [28] - BENZENE CONCENTRATION IN ug/L
- ND - NOT DETECTED

NOTE:

The benzene concentrations presented on this map represent an average of the concentrations reported in the groundwater samples collected during each quarterly sampling event during 2013. The only exception is the concentration reported in groundwater sample collected from MW-1. This well was only sampled during the 2nd Quarter 2013.

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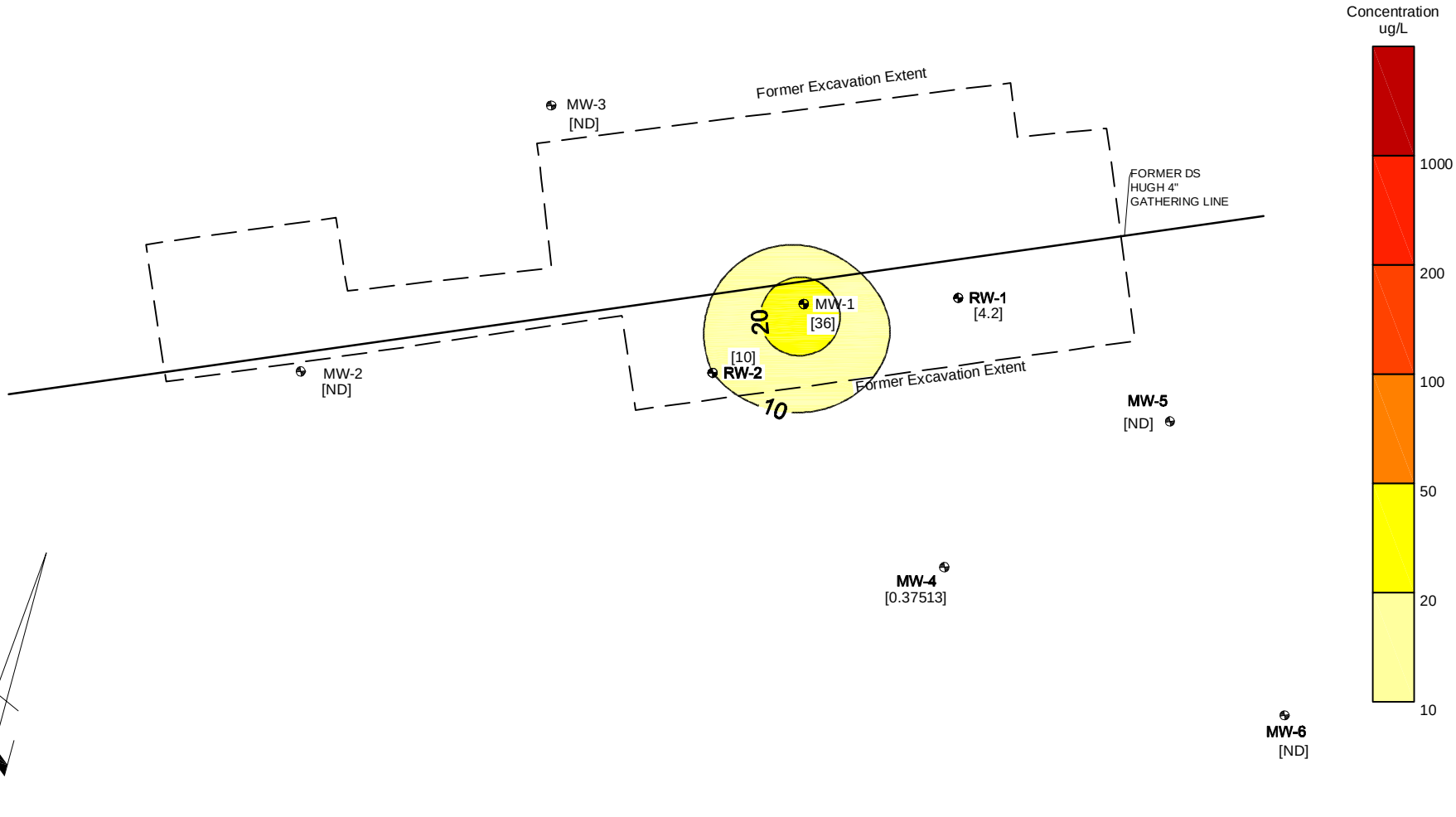
Figure 12
2013 - Benzene Isopleth Map
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 2/14



LEGEND:

- MW- - MONITOR WELL LOCATIONS
- — — — - FORMER EXCAVATION EXTENT
- [28] - BENZENE CONCENTRATION IN ug/L
- ND - NOT DETECTED

NOTE:

The benzene concentrations presented on this map represent an average of the concentrations reported in the groundwater samples collected during each quarterly sampling event during 2014. The only exception is the concentration reported in groundwater sample collected from MW-1, RW-1, & RW-2. MW-1 well was only sampled during the 2nd Quarter 2014 and RW-1 and RW-2 was only sampled during the 3rd Quarter 2014..

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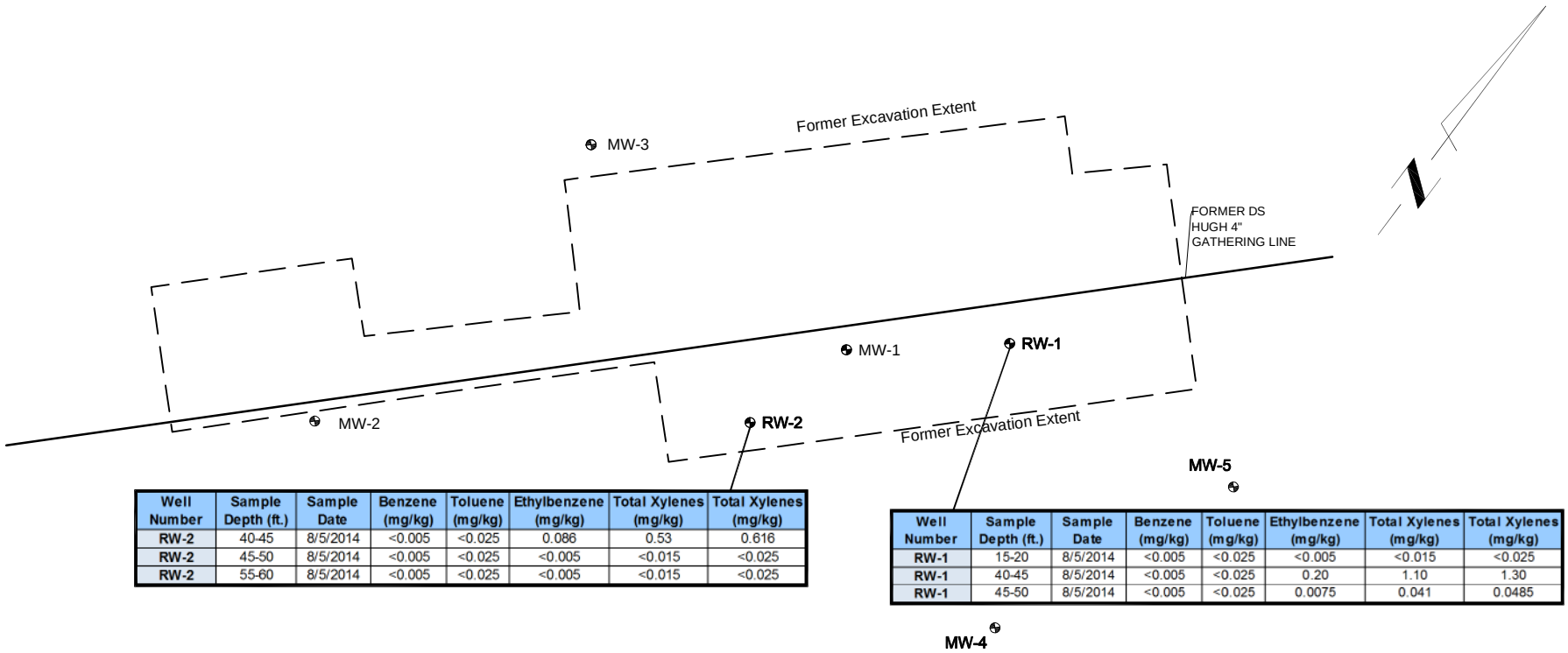
Figure 13
2014 - Benzene Isopleth Map
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 1/15



Well Number	Sample Depth (ft.)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total Xylenes (mg/kg)
RW-2	40-45	8/5/2014	<0.005	<0.025	0.086	0.53	0.616
RW-2	45-50	8/5/2014	<0.005	<0.025	<0.005	<0.015	<0.025
RW-2	55-60	8/5/2014	<0.005	<0.025	<0.005	<0.015	<0.025

Well Number	Sample Depth (ft.)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total Xylenes (mg/kg)
RW-1	15-20	8/5/2014	<0.005	<0.025	<0.005	<0.015	<0.025
RW-1	40-45	8/5/2014	<0.005	<0.025	0.20	1.10	1.30
RW-1	45-50	8/5/2014	<0.005	<0.025	0.0075	0.041	0.0485

LEGEND:

MW- - Monitoring Well Location

— — — - Former Excavation Extent

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

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Figure 14
Soil COC Concentration Map
August 5, 2014
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12003 | DATE: 1/15

TABLES

TABLE 1
2014 Well Survey Data and Groundwater Elevations
Plains Marketing, L.P.
DS Hugh Site
SRS #2000-10807
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 (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	03/05/14	3389.00	48.55	50.18	1.63	NA	2	18	3340.21	
MW-1	06/06/14	3389.00	48.72	50.10	1.38	NA	NA	NA	3340.07	Sampled
MW-1	09/18/14	3389.00	48.40	49.52	1.12	NA	2.00	18.00	3340.43	
MW-1	11/12/14	3389.00	48.20	48.22	0.02	NA	NA	NA	3340.80	
MW-2	03/05/14	3388.38	ND	48.40	NA	NA	NA	NA	3339.98	
MW-2	06/06/14	3388.38	ND	48.54	NA	NA	NA	NA	3339.84	Sampled
MW-2	09/18/14	3388.38	ND	48.52	NA	NA	NA	NA	3339.86	Sampled
MW-2	11/12/14	3388.38	ND	48.20	NA	NA	NA	NA	3340.18	Sampled
MW-3	03/05/14	3388.52	ND	48.75	NA	NA	NA	NA	3339.77	
MW-3	06/06/14	3388.52	ND	48.94	NA	NA	NA	NA	3339.58	Sampled
MW-3	09/18/14	3388.52	ND	48.46	NA	NA	NA	NA	3340.06	Sampled
MW-3	11/12/14	3388.52	ND	48.50	NA	NA	NA	NA	3340.02	Sampled
MW-4	03/05/14	3388.92	ND	49.56	NA	NA	NA	NA	3339.36	
MW-4	06/06/14	3388.92	ND	49.75	NA	NA	NA	NA	3339.17	Sampled
MW-4	09/18/14	3388.92	ND	49.69	NA	NA	NA	NA	3339.23	Sampled
MW-4	11/12/14	3388.92	ND	49.36	NA	NA	NA	NA	3339.56	Sampled
MW-5	03/05/14	3389.40	ND	50.01	NA	NA	NA	NA	3339.39	
MW-5	06/06/14	3389.40	ND	50.22	NA	NA	NA	NA	3339.18	Sampled
MW-5	09/18/14	3389.40	ND	50.11	NA	NA	NA	NA	3339.29	Sampled
MW-5	11/12/14	3389.40	ND	49.78	NA	NA	NA	NA	3339.62	Sampled
MW-6	03/05/14	3389.72	ND	50.69	NA	NA	NA	NA	3339.03	
MW-6	06/06/14	3389.72	ND	50.90	NA	NA	NA	NA	3338.82	Sampled
MW-6	09/18/14	3389.72	ND	50.80	NA	NA	NA	NA	3338.92	Sampled
MW-6	11/12/14	3389.72	ND	50.45	NA	NA	NA	NA	3339.27	Sampled

TABLE 1
2014 Well Survey Data and Groundwater Elevations
Plains Marketing, L.P.
DS Hugh Site
SRS #2000-10807
Lea County, New Mexico

MW-7	03/05/14	3389.28	ND	50.19	NA	NA	NA	NA	3339.09	
MW-7	06/06/14	3389.28	ND	50.36	NA	NA	NA	NA	3338.92	Sampled
MW-7	09/18/14	3389.28	ND	50.33	NA	NA	NA	NA	3338.95	Sampled
MW-7	11/12/14	3389.28	ND	49.97	NA	NA	NA	NA	3339.31	Sampled
RW-1	09/18/14	3389.34	49.85	50.00	0.15	NA	0.50	29.50	3339.47	Sampled
RW-1	11/12/14	3389.34	49.53	49.55	0.02	NA	NA	NA	3339.81	Sampled
RW-2	09/18/14	3389.06	49.59	49.74	0.15	NA	Sheen	30.00	3339.45	Sampled
RW-2	11/12/14	3389.06	49.13	49.43	0.30	NA	NA	NA	3339.89	Sampled

NA: Not Applicable
NG: Not Gauged
[a] Possible error in field data entry

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	12/21/05	3389.00	59.82	ND	46.22	ND	NA	NA	3342.78	Sampled, Installed Sock
MW-1	12/29/05	3389.00	NG	ND	46.16	ND	NA	NA	3342.84	New Sock
MW-1	01/05/06	3389.00	NG	ND	46.26	ND	NA	NA	3342.74	Sock
MW-1	02/09/06	3389.00	NG	ND	45.05	ND	NA	NA	3343.95	Sock
MW-1	02/22/06	3389.00	NG	ND	46.00	ND	NA	NA	3343.00	Sock
MW-1	03/28/06	3389.00	NG	ND	45.94	ND	NA	NA	3343.06	Sampled, Flipped Sock
MW-1	04/13/06	3389.00	NG	ND	45.98	ND	NA	NA	3343.02	Sock
MW-1	04/25/06	3389.00	NG	ND	45.93	ND	NA	NA	3343.07	Sock
MW-1	05/03/06	3389.00	NG	ND	45.88	ND	NA	NA	3343.12	Sock
MW-1	05/11/06	3389.00	NG	ND	45.90	ND	NA	NA	3343.10	Sock
MW-1	05/24/06	3389.00	NG	ND	45.91	ND	NA	NA	3343.09	Sock
MW-1	06/07/06	3389.00	NG	ND	45.97	ND	0.00	5.00	3343.03	Sock
MW-1	06/07/06	3389.00	NG	ND	46.10	ND	NA	NA	3342.90	Sock
MW-1	06/15/06	3389.00	NG	ND	45.92	ND	NA	NA	3343.08	Sampled, Sock
MW-1	06/29/06	3389.00	NG	ND	46.05	ND	0.10	0.00	3342.95	Sock
MW-1	07/11/06	3389.00	NG	ND	46.06	ND	0.10	0.00	3342.94	Sock
MW-1	07/25/06	3389.00	NG	ND	46.11	ND	0.10	0.00	3342.89	Sock
MW-1	08/09/06	3389.00	59.35	ND	46.22	ND	NA	NA	3342.78	Sock
MW-1	08/22/06	3389.00	NG	ND	46.30	ND	0.10	9.90	3342.70	
MW-1	08/22/06	3389.00	NG	ND	46.58	ND		NA	3342.42	New Sock
MW-1	09/12/06	3389.00	59.55	46.27	46.57	0.30	NA	NA	3342.69	Sampled, New
MW-1	09/19/06	3389.00	NG	46.36	46.50	0.14	0.10	9.90	3342.62	
MW-1	09/19/06	3389.00	NG	ND	46.73	ND	NA	NA	3342.27	New Sock
MW-1	10/03/06	3389.00	NG	ND	46.32	ND	NA	NA	3342.68	
MW-1	10/03/06	3389.00	NG	ND	46.48	ND	0.00	10.00	3342.52	Sock
MW-1	10/17/06	3389.00	NG	ND	46.34	ND	NA	NA	3342.66	Removed Sock
MW-1	10/31/06	3389.00	NG	ND	45.93	ND	NA	NA	3343.07	New Sock
MW-1	11/15/06	3389.00	NG	45.73	45.98	0.25	0.50	9.50	3343.23	
MW-1	11/15/06	3389.00	NG	ND	45.98	ND	NA	NA	3343.02	New Sock
MW-1	12/06/06	3389.00	NG	44.55	44.80	0.25	NA	NA	3344.41	New Sock
MW-1	12/13/06	3389.00	NG	44.51	44.86	0.35	0.50	4.50	3344.44	
MW-1	12/13/06	3389.00	NG	ND	45.22	ND	NA	NA	3343.78	
MW-1	01/03/07	3389.00	NG	45.53	45.60	0.07	0.00	5.00	3343.46	New Sock
MW-1	01/09/07	3389.00	NG	ND	45.64	ND	0.25	9.50	3343.36	
MW-1	01/09/07	3389.00	NG	ND	46.18	ND	NA	NA	3342.82	Sock
MW-1	01/18/07	3389.00	NG	45.50	45.75	0.25	0.25	8.50	3343.46	
MW-1	01/18/07	3389.00	NG	ND	45.72	ND	NA	NA	3343.28	Removed Sock

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	01/25/07	3389.00	NG	45.42	45.62	0.20	0.25	9.50	3343.55	
MW-1	01/25/07	3389.00	NG	45.63	45.65	0.02	NA	NA	3343.37	
MW-1	01/31/07	3389.00	NG	45.35	45.50	0.15	0.10	9.90	3343.63	
MW-1	01/31/07	3389.00	NG	ND	45.70	ND	NA	NA	3343.30	
MW-1	02/07/07	3389.00	NG	45.40	45.54	0.14	0.10	9.50	3343.58	
MW-1	02/07/07	3389.00	NG	ND	45.59	ND	NA	NA	3343.41	Installed Sock
MW-1	02/14/07	3389.00	NG	ND	45.61	ND	0.10	9.90	3343.39	
MW-1	02/14/07	3389.00	NG	ND	45.61	ND	NA	NA	3343.39	Flipped Sock
MW-1	02/21/07	3389.00	NG	ND	45.58	ND	0.10	9.90	3343.42	
MW-1	02/21/07	3389.00	NG	ND	45.60	ND	NA	NA	3343.40	Sock
MW-1	03/07/07	3389.00	NG	45.41	45.56	0.15	0.25	10.00	3343.57	
MW-1	03/07/07	3389.00	NG	45.53	45.55	0.02	NA	NA	3343.47	New Sock
MW-1	03/14/07	3389.00	NG	ND	45.40	ND	0.10	9.90	3343.60	
MW-1	03/14/07	3389.00	NG	ND	45.58	ND	NA	NA	3343.42	New Sock
MW-1	03/21/07	3389.00	NG	ND	45.38	ND	0.10	9.90	3343.62	
MW-1	03/21/07	3389.00	NG	ND	45.50	ND	NA	NA	3343.50	Sock
MW-1	03/28/07	3389.00	NG	ND	45.38	ND	0.10	9.90	3343.62	
MW-1	03/28/07	3389.00	NG	ND	45.42	ND	NA	NA	3343.58	Sock
MW-1	04/10/07	3389.00	NG	ND	45.46	ND	0.10	9.90	3343.54	
MW-1	04/10/07	3389.00	NG	ND	45.50	ND	NA	NA	3343.50	Sock
MW-1	04/18/07	3389.00	NG	ND	45.35	ND	0.10	9.90	3343.65	
MW-1	04/18/07	3389.00	NG	ND	45.50	ND	NA	NA	3343.50	Sock
MW-1	04/24/07	3389.00	NG	ND	45.38	ND	0.10	9.90	3343.62	
MW-1	04/24/07	3389.00	NG	ND	45.43	ND	NA	NA	3343.57	Sock
MW-1	05/03/07	3389.00	NG	ND	45.30	ND	0.10	9.90	3343.70	
MW-1	05/03/07	3389.00	NG	ND	45.45	ND	NA	NA	3343.55	Flipped Sock
MW-1	05/11/07	3389.00	NG	ND	45.40	ND	0.10	9.90	3343.60	
MW-1	05/11/07	3389.00	NG	ND	45.75	ND	NA	NA	3343.25	Removed Sock
MW-1	05/16/07	3389.00	NG	45.36	45.37	0.01	0.10	9.90	3343.64	
MW-1	05/16/07	3389.00	NG	ND	45.71	ND	NA	NA	3343.29	Installed Sock
MW-1	05/23/07	3389.00	NG	ND	45.32	ND	0.10	9.90	3343.68	
MW-1	05/23/07	3389.00	NG	ND	45.51	ND	NA	NA	3343.49	Sock
MW-1	05/31/07	3389.00	59.00	ND	45.28	ND	NA	NA	3343.72	New Sock
MW-1	06/06/07	3389.00	59.00	ND	45.25	ND	0.10	9.90	3343.75	
MW-1	06/06/07	3389.00	59.00	ND	45.50	ND	NA	NA	3343.50	Sock
MW-1	07/05/07	3389.00	58.50	ND	45.35	ND	0.10	9.90	3343.65	
MW-1	07/05/07	3389.00	58.50	ND	45.65	ND	NA	NA	3343.35	New Sock
MW-1	07/11/07	3389.00	58.50	ND	45.37	ND	0.10	9.90	3343.63	
MW-1	07/11/07	3389.00	58.50	ND	45.61	ND	NA	NA	3343.39	Sock

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	07/19/07	3389.00	58.50	ND	45.40	ND	0.10	9.90	3343.60	
MW-1	07/19/07	3389.00	58.50	ND	45.86	ND	NA	NA	3343.14	Sock
MW-1	07/24/07	3389.00	58.50	ND	45.47	ND	0.10	9.90	3343.53	
MW-1	07/24/07	3389.00	58.50	ND	45.91	ND	NA	NA	3343.09	Sock
MW-1	07/31/07	3389.00	58.51	ND	45.50	ND	0.10	9.90	3343.50	
MW-1	07/31/07	3389.00	58.51	ND	45.99	ND	NA	NA	3343.01	Sock
MW-1	08/09/07	3389.00	58.51	ND	45.42	ND	0.10	9.90	3343.58	
MW-1	08/09/07	3389.00	58.51	ND	45.91	ND	NA	NA	3343.09	New Sock
MW-1	08/16/07	3389.00	58.51	ND	45.41	ND	0.10	9.90	3343.59	
MW-1	08/16/07	3389.00	58.51	ND	45.86	ND	NA	NA	3343.14	Sock
MW-1	08/22/07	3389.00	58.51	ND	45.31	ND	0.10	9.90	3343.69	
MW-1	08/22/07	3389.00	58.51	ND	45.75	ND	NA	NA	3343.25	Sock
MW-1	08/28/07	3389.00	58.51	45.44	45.49	0.05	0.10	9.90	3343.55	
MW-1	08/28/07	3389.00	58.51	ND	45.75	ND	NA	NA	3343.25	Sock
MW-1	09/07/07	3389.00	58.55	ND	45.54	ND	NA	NA	3343.46	
MW-1	09/13/07	3389.00	58.55	ND	45.62	ND	0.10	9.90	3343.38	
MW-1	09/13/07	3389.00	58.55	ND	45.98	ND	NA	NA	3343.02	Sock
MW-1	09/18/07	3389.00	58.55	ND	45.50	ND	0.10	9.90	3343.50	
MW-1	09/18/07	3389.00	58.55	ND	45.72	ND	NA	NA	3343.28	Sock
MW-1	09/26/07	3389.00	58.55	ND	45.51	ND	0.10	9.90	3343.49	
MW-1	09/26/07	3389.00	58.55	ND	45.76	ND	NA	NA	3343.24	Sock
MW-1	10/04/07	3389.00	58.55	ND	46.00	ND	0.10	8.90	3343.00	
MW-1	10/04/07	3389.00	58.55	ND	46.33	ND	NA	NA	3342.67	Sock
MW-1	10/10/07	3389.00	58.55	ND	46.14	ND	0.10	8.90	3342.86	
MW-1	10/10/07	3389.00	58.55	ND	46.44	ND	NA	NA	3342.56	Sock
MW-1	10/17/07	3389.00	58.55	ND	46.15	ND	0.10	8.90	3342.85	
MW-1	10/17/07	3389.00	58.55	ND	46.32	ND	NA	NA	3342.68	Sock
MW-1	10/24/07	3389.00	58.55	47.35	47.68	0.33	0.10	39.90	3341.60	
MW-1	10/24/07	3389.00	58.55	46.65	46.80	0.15	NA	NA	3342.33	New Sock
MW-1	10/31/07	3389.00	58.55	45.52	45.98	0.46	0.50	10.00	3343.41	
MW-1	10/31/07	3389.00	58.55	ND	46.23	ND	NA	NA	3342.77	New Sock
MW-1	11/07/07	3389.00	58.55	45.63	46.02	0.39	0.50	9.00	3343.31	
MW-1	11/07/07	3389.00	58.55	46.10	46.14	0.04	NA	NA	3342.89	Sock
MW-1	11/13/07	3389.00	58.55	45.50	45.96	0.46	NA	NA	3343.43	Sock
MW-1	11/20/07	3389.00	58.55	45.50	45.96	0.46	NA	NA	3343.43	Sock
MW-1	11/20/07	3389.00	58.55	46.17	46.18	0.01	NA	NA	3342.83	
MW-1	11/27/07	3389.00	58.55	45.90	45.98	0.08	0.10	9.00	3343.09	
MW-1	11/27/07	3389.00	58.55	ND	46.10	ND	NA	NA	3342.90	Sock
MW-1	12/05/07	3389.00	58.55	45.50	45.60	0.10	0.10	9.00	3343.49	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
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D.S. HUGH SITE
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	12/05/07	3389.00	58.55	ND	46.15	ND	NA	NA	3342.85	New Sock
MW-1	12/12/07	3389.00	58.55	ND	45.58	ND	0.10	8.90	3343.42	
MW-1	12/12/07	3389.00	58.55	ND	46.00	ND	NA	NA	3343.00	Sock
MW-1	12/18/07	3389.00	58.55	45.50	45.63	0.13	0.20	9.00	3343.48	
MW-1	12/18/07	3389.00	58.55	ND	46.22	ND	NA	NA	3342.78	New Sock
MW-1	12/28/07	3389.00	58.55	ND	45.62	ND	0.10	8.90	3343.38	
MW-1	12/28/07	3389.00	58.55	ND	45.98	ND	NA	NA	3343.02	New Sock
MW-1	01/09/08	3389.00	58.55	45.55	45.70	0.15	NA	NA	3343.43	New Sock
MW-1	01/17/08	3389.00	58.55	45.42	45.92	0.50	0.50	19.50	3343.51	
MW-1	01/17/08	3389.00	58.55	ND	45.60	ND	NA	NA	3343.40	New Sock
MW-1	01/23/08	3389.00	58.55	45.50	45.65	0.15	0.25	9.00	3343.48	
MW-1	01/23/08	3389.00	58.55	ND	45.75	ND	NA	NA	3343.25	New Sock
MW-1	01/30/08	3389.00	58.55	45.53	45.55	0.02	0.10	19.90	3343.47	
MW-1	01/30/08	3389.00	58.55	ND	46.46	ND	NA	NA	3342.54	Sock
MW-1	02/06/08	3389.00	58.55	ND	45.60	ND	0.10	19.90	3343.40	
MW-1	02/06/08	3389.00	58.55	ND	46.25	ND	NA	NA	3342.75	Sock
MW-1	02/13/08	3389.00	58.55	45.46	45.55	0.09	0.10	19.90	3343.53	
MW-1	02/13/08	3389.00	58.55	ND	46.21	ND	NA	NA	3342.79	New Sock
MW-1	02/19/08	3389.00	58.55	45.50	45.53	0.03	0.10	19.90	3343.50	
MW-1	02/19/08	3389.00	58.55	ND	46.43	ND	NA	NA	3342.57	Flipped Sock
MW-1	02/27/08	3389.00	58.55	45.49	45.59	0.10	0.10	19.90	3343.50	
MW-1	02/27/08	3389.00	58.55	ND	46.15	ND	NA	NA	3342.85	New Sock
MW-1	03/04/08	3389.00	58.55	ND	45.50	ND	0.10	19.90	3343.50	
MW-1	03/04/08	3389.00	58.55	ND	46.70	ND	NA	NA	3342.30	New Sock
MW-1	03/12/08	3389.00	58.55	45.45	45.48	0.03	0.10	19.90	3343.55	
MW-1	03/12/08	3389.00	58.55	ND	46.70	ND	NA	NA	3342.30	New Sock
MW-1	03/19/08	3389.00	58.55	45.49	45.50	0.01	0.10	19.90	3343.51	
MW-1	03/19/08	3389.00	58.55	ND	46.67	ND	NA	NA	3342.33	New Sock
MW-1	03/26/08	3389.00	58.55	45.49	45.50	0.01	0.10	19.90	3343.51	
MW-1	03/26/08	3389.00	58.55	ND	46.42	ND	NA	NA	3342.58	Flipped Sock
MW-1	04/02/08	3389.00	58.55	45.45	45.46	0.01	0.10	19.90	3343.55	
MW-1	04/02/08	3389.00	58.55	ND	46.32	ND	NA	NA	3342.68	Sock
MW-1	04/09/08	3389.00	58.55	ND	45.48	ND	0.10	19.90	3343.52	
MW-1	04/09/08	3389.00	58.55	ND	45.50	ND	NA	NA	3343.50	Sock
MW-1	04/16/08	3389.00	58.55	ND	45.41	ND	0.10	19.90	3343.59	
MW-1	04/16/08	3389.00	58.55	ND	45.66	ND	NA	NA	3343.34	Sock
MW-1	04/24/08	3389.00	58.55	ND	45.34	ND	0.10	19.90	3343.66	
MW-1	04/24/08	3389.00	58.55	ND	46.00	ND	NA	NA	3343.00	New Sock
MW-1	04/30/08	3389.00	58.55	ND	45.38	ND	0.10	19.90	3343.62	

TABLE 2
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D.S. HUGH SITE
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	04/30/08	3389.00	58.55	ND	45.96	ND	NA	NA	3343.04	Flipped Sock
MW-1	05/07/08	3389.00	58.55	ND	45.43	ND	0.10	19.90	3343.57	
MW-1	05/07/08	3389.00	58.55	ND	45.86	ND	NA	NA	3343.14	Sock
MW-1	05/14/08	3389.00	58.55	45.46	45.48	0.02	0.10	19.90	3343.54	
MW-1	05/14/08	3389.00	58.55	ND	46.00	ND	NA	NA	3343.00	Sock
MW-1	05/22/08	3389.00	58.55	ND	45.42	ND	0.10	25.90	3343.58	
MW-1	05/22/08	3389.00	58.55	ND	47.10	ND	NA	NA	3341.90	Sampled, New
MW-1	05/29/08	3389.00	58.55	ND	45.41	ND	0.10	19.90	3343.59	
MW-1	05/29/08	3389.00	58.55	ND	45.96	ND	NA	NA	3343.04	Sock
MW-1	06/04/08	3389.00	58.55	ND	45.43	ND	0.10	19.90	3343.57	
MW-1	06/04/08	3389.00	58.55	ND	46.02	ND	NA	NA	3342.98	Sock
MW-1	06/11/08	3389.00	58.55	ND	45.48	ND	0.10	19.90	3343.52	
MW-1	06/11/08	3389.00	58.55	ND	45.99	ND	NA	NA	3343.01	Sock
MW-1	06/18/08	3389.00	58.55	ND	45.52	ND	0.10	19.90	3343.48	
MW-1	06/18/08	3389.00	58.55	ND	46.08	ND	NA	NA	3342.92	Sock
MW-1	06/26/08	3389.00	58.55	ND	46.12	ND	0.00	10.00	3342.88	
MW-1	06/26/08	3389.00	58.55	ND	47.12	ND	NA	NA	3341.88	Sock
MW-1	07/07/08	3389.00	58.55	ND	46.00	ND	0.10	19.90	3343.00	
MW-1	07/07/08	3389.00	58.55	ND	46.12	ND	NA	NA	3342.88	New Sock
MW-1	07/16/08	3389.00	58.55	45.51	45.56	0.05	0.10	19.90	3343.48	
MW-1	07/16/08	3389.00	58.55	ND	46.21	ND	NA	NA	3342.79	Sock
MW-1	07/21/08	3389.00	58.55	45.36	45.60	0.24	0.10	19.90	3343.60	
MW-1	07/21/08	3389.00	58.55	ND	46.18	ND	NA	NA	3342.82	Sock
MW-1	07/29/08	3389.00	58.55	45.59	45.63	0.04	0.10	19.90	3343.40	
MW-1	07/29/08	3389.00	58.55	ND	46.28	ND	NA	NA	3342.72	Sock
MW-1	08/06/08	3389.00	58.55	45.50	45.66	0.16	NA	NA	3343.48	New Sock
MW-1	08/13/08	3389.00	58.55	45.53	45.60	0.07	0.10	19.90	3343.46	
MW-1	08/13/08	3389.00	58.55	ND	46.36	ND	NA	NA	3342.64	Sock
MW-1	08/20/08	3389.00	58.55	45.50	45.88	0.38	NA	NA	3343.44	Sock
MW-1	08/27/08	3389.00	58.55	45.58	45.99	0.41	0.00	20.00	3343.36	
MW-1	08/27/08	3389.00	58.55	ND	46.32	ND	NA	NA	3342.68	Sock
MW-1	09/02/08	3389.00	58.55	45.68	45.79	0.11	0.00	20.00	3343.30	
MW-1	09/02/08	3389.00	58.55	ND	46.21	ND	NA	NA	3342.79	Sock
MW-1	09/09/08	3389.00	58.55	45.73	45.85	0.12	0.00	20.00	3343.25	
MW-1	09/09/08	3389.00	58.55	ND	46.42	ND	NA	NA	3342.58	Sock
MW-1	09/17/08	3389.00	58.55	45.73	46.18	0.45	0.50	19.50	3343.20	
MW-1	09/17/08	3389.00	58.55	ND	46.45	ND	NA	NA	3342.55	Sock
MW-1	09/24/08	3389.00	58.55	45.73	46.50	0.77	0.50	19.50	3343.15	
MW-1	09/24/08	3389.00	58.55	ND	46.50	ND	NA	NA	3342.50	Sock

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							PSH	H_20		
MW-1	10/01/08	3389.00	58.55	45.80	46.67	0.87	1.00	19.00	3343.07	
MW-1	10/01/08	3389.00	58.55	ND	46.50	ND	NA	NA	3342.50	Sock
MW-1	10/08/08	3389.00	58.55	45.60	46.52	0.92	1.00	19.00	3343.26	
MW-1	10/08/08	3389.00	58.55	ND	46.85	ND	NA	NA	3342.15	Sock
MW-1	11/05/08	3389.00	58.55	45.80	45.93	0.13	0.50	19.50	3343.18	
MW-1	11/05/08	3389.00	58.55	ND	46.21	ND	NA	NA	3342.79	Sock
MW-1	11/12/08	3389.00	58.55	45.73	45.97	0.24	0.50	9.50	3343.23	
MW-1	11/12/08	3389.00	58.55	45.76	45.81	0.05	NA	NA	3343.23	Sock
MW-1	11/19/08	3389.00	58.55	45.70	46.25	0.55	NA	NA	3343.22	Sock
MW-1	11/26/08	3389.00	58.55	45.79	45.89	0.10	0.25	13.75	3343.20	
MW-1	11/26/08	3389.00	58.55	45.79	45.84	0.05	NA	NA	3343.20	Sock
MW-1	12/03/08	3389.00	58.55	45.85	45.95	0.10	0.25	11.75	3343.14	
MW-1	12/03/08	3389.00	58.55	ND	45.87	ND	NA	NA	3343.13	Sock
MW-1	12/10/08	3389.00	58.55	ND	45.88	ND	NA	NA	3343.12	Sock
MW-1	12/17/08	3389.00	58.55	ND	45.84	ND	NA	NA	3343.16	Sock
MW-1	12/17/08	3389.00	58.55	ND	45.92	ND	0.00	10.00	3343.08	Sock
MW-1	12/21/08	3389.00	58.55	45.86	46.03	0.17	0.50	29.50	3343.11	Sock
MW-1	12/21/08	3389.00	58.55	ND	45.65	ND	NA	NA	3343.35	Sock
MW-1	12/31/08	3389.00	58.55	45.87	45.97	0.10	0.25	9.75	3343.12	Sock
MW-1	12/31/08	3389.00	58.55	ND	45.89	ND	NA	NA	3343.11	Sock
MW-1	01/07/09	3389.00	58.68	45.80	45.82	0.02	0.25	9.75	3343.20	Sock
MW-1	01/07/09	3389.00	58.68	45.78	45.79	0.01	NA	NA	3343.22	Sock
MW-1	01/15/09	3389.00	58.68	45.79	45.89	0.10	0.50	9.50	3343.20	
MW-1	01/15/09	3389.00	58.68	45.83	45.84	0.01	NA	NA	3343.17	
MW-1	01/22/09	3389.00	58.68	45.67	46.03	0.36	1.00	13.00	3343.28	
MW-1	01/22/09	3389.00	58.68	ND	45.74	ND	NA	NA	3343.26	Installed Sock
MW-1	01/28/09	3389.00	58.68	45.67	45.81	0.14	0.50	14.50	3343.31	
MW-1	01/28/09	3389.00	58.68	ND	45.70	ND	NA	NA	3343.30	
MW-1	02/04/09	3389.00	58.77	45.69	45.74	0.05	0.25	19.75	3343.30	
MW-1	02/04/09	3389.00	58.77	ND	45.69	ND	NA	NA	3343.31	
MW-1	02/11/09	3389.00	58.77	45.63	45.67	0.04	0.25	21.75	3343.36	
MW-1	02/11/09	3389.00	58.77	ND	46.58	ND	NA	NA	3342.42	
MW-1	02/17/09	3389.00	58.77	ND	45.59	ND	NA	NA	3343.41	
MW-1	02/25/09	3389.00	58.77	45.57	45.60	0.03	0.10	19.75	3343.43	
MW-1	02/25/09	3389.00	58.77	ND	45.67	ND	NA	NA	3343.33	
MW-1	03/04/09	3389.00	58.77	45.58	45.60	0.02	0.10	9.90	3343.42	
MW-1	03/04/09	3389.00	58.77	ND	45.61	ND	NA	NA	3343.39	
MW-1	03/11/09	3389.00	58.77	ND	45.67	ND	0.00	10.00	3343.33	
MW-1	03/11/09	3389.00	58.77	ND	45.73	ND	NA	NA	3343.27	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	03/18/09	3389.00	58.77	ND	45.63	ND	0.00	10.00	3343.37	
MW-1	03/18/09	3389.00	58.77	ND	45.89	ND	NA	NA	3343.11	
MW-1	03/25/09	3389.00	58.77	45.69	45.73	0.04	0.25	14.75	3343.30	
MW-1	03/25/09	3389.00	58.77	ND	46.37	ND	NA	NA	3342.63	
MW-1	04/01/09	3389.00	58.77	45.60	45.95	0.35	0.25	9.75	3343.35	
MW-1	04/01/09	3389.00	58.77	ND	45.67	ND	NA	NA	3343.33	
MW-1	04/08/09	3389.00	58.77	45.65	45.75	0.10	0.10	16.90	3343.34	
MW-1	04/08/09	3389.00	58.77	ND	45.72	ND	NA	NA	3343.28	
MW-1	04/15/09	3389.00	58.77	45.69	45.71	0.02	0.00	15.00	3343.31	
MW-1	04/15/09	3389.00	58.77	ND	45.88	ND	NA	NA	3343.12	
MW-1	04/22/09	3389.00	58.77	ND	45.72	ND	0.00	15.00	3343.28	
MW-1	04/22/09	3389.00	58.77	ND	45.72	ND	NA	NA	3343.28	
MW-1	04/29/09	3389.00	58.77	45.78	45.82	0.04	0.10	14.90	3343.21	
MW-1	04/29/09	3389.00	58.77	ND	46.44	ND	NA	NA	3342.56	
MW-1	05/06/09	3389.00	58.77	45.82	46.02	0.20	0.50	15.00	3343.15	
MW-1	05/06/09	3389.00	58.77	ND	46.39	ND	NA	NA	3342.61	
MW-1	05/14/09	3389.00	58.77	45.84	45.92	0.08	0.10	19.90	3343.15	
MW-1	05/14/09	3389.00	58.77	ND	46.48	ND	NA	NA	3342.52	
MW-1	05/19/09	3389.00	58.77	45.88	45.90	0.02	0.10	29.90	3343.12	Sampled
MW-1	05/28/09	3389.00	58.77	ND	45.79	ND	0.00	15.00	3343.21	
MW-1	05/28/09	3389.00	58.77	ND	46.13	ND	NA	NA	3342.87	
MW-1	06/03/09	3389.00	58.77	45.88	45.93	0.05	0.10	14.90	3343.11	
MW-1	06/03/09	3389.00	58.77	ND	45.92	ND	NA	NA	3343.08	
MW-1	06/11/09	3389.00	58.77	ND	45.93	ND	0.00	10.00	3343.07	
MW-1	06/11/09	3389.00	58.77	ND	46.15	ND	NA	NA	3342.85	
MW-1	06/17/09	3389.00	58.77	46.00	46.05	0.05	0.00	15.00	3342.99	
MW-1	06/17/09	3389.00	58.77	ND	46.62	ND	NA	NA	3342.38	
MW-1	06/23/09	3389.00	58.77	ND	45.96	ND	0.00	20.00	3343.04	New Sock
MW-1	06/23/09	3389.00	58.77	ND	46.85	ND	NA	NA	3342.15	
MW-1	07/01/09	3389.00	58.77	45.91	46.21	0.30	0.25	19.75	3343.05	
MW-1	07/01/09	3389.00	58.77	ND	46.80	ND	NA	NA	3342.20	
MW-1	07/07/09	3389.00	58.77	45.91	45.93	0.02	0.25	14.75	3343.09	
MW-1	07/07/09	3389.00	58.77	ND	46.58	ND	NA	NA	3342.42	
MW-1	07/15/09	3389.00	58.77	ND	45.88	ND	0.00	20.00	3343.12	
MW-1	07/15/09	3389.00	58.77	ND	46.71	ND	NA	NA	3342.29	
MW-1	07/29/09	3389.00	58.77	45.88	45.92	0.04	0.25	19.75	3343.11	
MW-1	07/29/09	3389.00	58.77	ND	46.82	ND	NA	NA	3342.18	
MW-1	08/05/09	3389.00	58.77	45.01	45.12	0.11	0.25	19.75	3343.97	
MW-1	08/05/09	3389.00	58.77	ND	46.93	ND	NA	NA	3342.07	New Sock

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	08/12/09	3389.00	58.77	ND	45.75	ND	0.00	20.00	3343.25	
MW-1	08/12/09	3389.00	58.77	ND	46.90	ND	NA	NA	3342.10	Flipped Sock
MW-1	08/19/09	3389.00	58.77	45.74	45.80	0.06	0.10	19.90	3343.25	
MW-1	08/19/09	3389.00	58.77	ND	45.87	ND	NA	NA	3343.13	
MW-1	08/26/09	3389.00	58.77	ND	45.65	ND	NA	NA	3343.35	
MW-1	09/02/09	3389.00	58.77	45.81	45.95	0.14	0.25	19.75	3343.17	New sock
MW-1	09/02/09	3389.00	58.77	ND	45.91	ND	NA	NA	3343.09	
MW-1	09/09/09	3389.00	58.77	45.80	45.85	0.05	0.25	19.75	3343.19	Flipped Sock
MW-1	09/09/09	3389.00	58.77	ND	45.98	ND	NA	NA	3343.02	
MW-1	09/16/09	3389.00	58.77	ND	45.88	ND	0.00	20.00	3343.12	
MW-1	09/16/09	3389.00	58.77	ND	46.63	ND	NA	NA	3342.37	
MW-1	09/23/09	3389.00	58.77	ND	45.83	ND	0.00	20.00	3343.17	Flipped Sock
MW-1	09/23/09	3389.00	58.77	ND	46.52	ND	NA	NA	3342.48	
MW-1	09/30/09	3389.00	58.77	45.87	45.90	0.03	0.00	10.00	3343.13	New Sock
MW-1	09/30/09	3389.00	58.77	ND	46.51	ND	NA	NA	3342.49	
MW-1	09/30/09	3389.00	58.77	45.80	45.81	0.01	0.00	10.00	3343.20	
MW-1	09/30/09	3389.00	58.77	ND	46.73	ND	NA	NA	3342.27	
MW-1	10/07/09	3389.00	58.77	ND	45.90	ND	0.00	10.00	3343.10	Flipped Sock
MW-1	10/07/09	3389.00	58.77	ND	46.71	ND	NA	NA	3342.29	
MW-1	10/07/09	3389.00	58.77	ND	45.87	ND	0.00	10.00	3343.13	
MW-1	10/07/09	3389.00	58.77	ND	46.76	ND	NA	NA	3342.24	
MW-1	10/14/09	3389.00	58.77	45.80	45.82	0.02	0.10	9.90	3343.20	New Sock
MW-1	10/14/09	3389.00	58.77	ND	46.23	ND	NA	NA	3342.77	
MW-1	10/14/09	3389.00	58.77	45.75	45.76	0.01	0.10	9.90	3343.25	
MW-1	10/14/09	3389.00	58.77	ND	46.60	ND	NA	NA	3342.40	
MW-1	10/21/09	3389.00	58.77	45.75	45.80	0.05	0.25	9.75	3343.24	
MW-1	10/21/09	3389.00	58.77	ND	46.35	ND	NA	NA	3342.65	
MW-1	10/29/09	3389.00	58.77	45.73	46.03	0.30	0.25	45.00	3343.23	
MW-1	10/29/09	3389.00	58.77	ND	46.20	ND	NA	NA	3342.80	
MW-1	11/04/09	3389.00	58.77	45.74	45.99	0.25	0.25	20.00	3343.22	
MW-1	11/04/09	3389.00	58.77	ND	46.06	ND	NA	NA	3342.94	
MW-1	11/04/09	3389.00	58.77	45.78	45.81	0.03	0.10	19.90	3343.22	
MW-1	11/04/09	3389.00	58.77	ND	46.10	ND	NA	NA	3342.90	
MW-1	11/11/09	3389.00	58.77	45.72	46.04	0.32	0.25	19.75	3343.23	
MW-1	11/11/09	3389.00	58.77	ND	46.85	ND	NA	NA	3342.15	
MW-1	11/11/09	3389.00	58.77	45.76	45.77	0.01	0.10	19.90	3343.24	
MW-1	11/11/09	3389.00	58.77	ND	46.34	ND	NA	NA	3342.66	
MW-1	11/18/09	3389.00	58.77	45.68	45.99	0.31	0.25	19.75	3343.27	
MW-1	11/18/09	3389.00	58.77	ND	46.38	ND	NA	NA	3342.62	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
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D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	11/25/09	3389.00	58.77	45.70	46.05	0.35	0.25	29.75	3343.25	
MW-1	11/25/09	3389.00	58.77	ND	46.33	ND	NA	NA	3342.67	
MW-1	12/02/09	3389.00	58.77	45.68	46.03	0.35	0.25	34.75	3343.27	
MW-1	12/02/09	3389.00	58.77	ND	46.52	ND	NA	NA	3342.48	
MW-1	12/09/09	3389.00	58.77	45.70	46.05	0.35	0.50	20.00	3343.25	
MW-1	12/09/09	3389.00	58.77	ND	46.49	ND	NA	NA	3342.51	
MW-1	12/09/09	3389.00	58.77	45.77	45.79	0.02	0.10	29.90	3343.23	
MW-1	12/09/09	3389.00	58.77	ND	46.77	ND	NA	NA	3342.23	
MW-1	12/16/09	3389.00	58.77	45.79	46.14	0.35	0.10	24.90	3343.16	
MW-1	12/16/09	3389.00	58.77	ND	46.52	ND	NA	NA	3342.48	
MW-1	12/16/09	3389.00	58.77	45.80	45.81	0.01	0.10	24.90	3343.20	
MW-1	12/16/09	3389.00	58.77	ND	46.90	ND	NA	NA	3342.10	
MW-1	12/23/09	3389.00	58.77	45.74	46.10	0.36	0.25	24.75	3343.21	
MW-1	12/23/09	3389.00	58.77	ND	46.29	ND	NA	NA	3342.71	
MW-1	12/23/09	3389.00	58.77	45.76	45.77	0.01	0.10	24.90	3343.24	
MW-1	12/23/09	3389.00	58.77	ND	46.62	ND	NA	NA	3342.38	
MW-1	12/30/09	3389.00	58.77	45.76	46.21	0.45	0.10	29.90	3343.17	
MW-1	12/30/09	3389.00	58.77	ND	46.43	ND	NA	NA	3342.57	
MW-1	12/30/09	3389.00	58.77	45.76	46.02	0.26	0.10	19.90	3343.20	
MW-1	12/30/09	3389.00	58.77	ND	46.68	ND	NA	NA	3342.32	
MW-1	01/06/10	3389.00	58.77	45.80	46.20	0.40	0.25	49.75	3343.14	
MW-1	01/06/10	3389.00	58.77	ND	46.84	ND	NA	NA	3342.16	
MW-1	01/13/10	3389.00	58.77	45.91	46.21	0.30	0.10	49.90	3343.05	
MW-1	01/13/10	3389.00	58.77	ND	46.82	ND	NA	NA	3342.18	
MW-1	01/20/10	3389.00	58.77	45.95	46.20	0.25	0.25	49.75	3343.01	
MW-1	01/20/10	3389.00	58.77	ND	46.52	ND	NA	NA	3342.48	
MW-1	01/27/10	3389.00	58.77	46.04	46.22	0.18	0.10	49.90	3342.93	
MW-1	01/27/10	3389.00	58.77	ND	46.84	ND	NA	NA	3342.16	
MW-1	02/09/10	3389.00	58.77	46.18	46.25	0.07	0.10	49.90	3342.81	
MW-1	02/09/10	3389.00	58.77	ND	46.90	ND	NA	NA	3342.10	
MW-1	02/17/10	3389.00	58.77	46.16	46.20	0.04	0.10	49.90	3342.83	
MW-1	02/17/10	3389.00	58.77	ND	47.29	ND	NA	NA	3341.71	
MW-1	03/02/10	3389.00	58.77	46.08	46.09	0.01	0.10	49.90	3342.92	
MW-1	03/02/10	3389.00	58.77	ND	46.74	ND	NA	NA	3342.26	
MW-1	03/10/10	3389.00	58.77	46.17	46.19	0.02	0.10	39.90	3342.83	
MW-1	03/10/10	3389.00	58.77	ND	46.57	ND	NA	NA	3342.43	
MW-1	03/17/10	3389.00	58.77	46.11	46.17	0.06	0.10	39.90	3342.88	
MW-1	03/17/10	3389.00	58.77	ND	46.69	ND	NA	NA	3342.31	
MW-1	03/24/10	3389.00	58.77	46.10	46.22	0.12	0.10	39.90	3342.88	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	03/24/10	3389.00	58.77	ND	46.72	ND	NA	NA	3342.28	
MW-1	03/31/10	3389.00	58.77	46.11	46.22	0.11	0.10	39.90	3342.87	
MW-1	03/31/10	3389.00	58.77	ND	46.54	ND	NA	NA	3342.46	
MW-1	04/07/10	3389.00	58.77	46.15	46.25	0.10	0.10	39.90	3342.84	
MW-1	04/07/10	3389.00	58.77	ND	47.15	ND	NA	NA	3341.85	
MW-1	04/14/10	3389.00	58.77	46.15	46.32	0.17	0.10	39.90	3342.82	
MW-1	04/14/10	3389.00	58.77	ND	47.20	ND	NA	NA	3341.80	
MW-1	04/21/10	3389.00	58.77	46.12	46.26	0.14	0.10	39.90	3342.86	
MW-1	04/21/10	3389.00	58.77	ND	46.26	ND	NA	NA	3342.74	
MW-1	04/28/10	3389.00	58.77	46.15	46.32	0.17	0.10	39.90	3342.82	
MW-1	04/28/10	3389.00	58.77	ND	46.51	ND	NA	NA	3342.49	
MW-1	05/05/10	3389.00	58.77	46.20	46.37	0.17	0.10	9.90	3342.77	
MW-1	05/05/10	3389.00	58.77	ND	46.34	ND	NA	NA	3342.66	
MW-1	05/12/10	3389.00	58.77	46.16	46.40	0.24	NA	NA	3342.80	Sampled
MW-1	05/19/10	3389.00	58.77	46.20	46.39	0.19	0.10	24.90	3342.77	
MW-1	05/19/10	3389.00	58.77	ND	46.85	ND	NA	NA	3342.15	
MW-1	05/29/10	3389.00	58.77	46.05	46.30	0.25	0.10	29.90	3342.91	
MW-1	05/29/10	3389.00	58.77	ND	46.43	ND	NA	NA	3342.57	
MW-1	06/02/10	3389.00	58.77	46.00	46.19	0.19	0.10	19.90	3342.97	
MW-1	06/02/10	3389.00	58.77	ND	46.53	ND	NA	NA	3342.47	
MW-1	06/12/10	3389.00	58.77	45.91	46.31	0.40	0.10	29.90	3343.03	
MW-1	06/12/10	3389.00	58.77	ND	46.90	ND	NA	NA	3342.10	
MW-1	06/15/10	3389.00	58.77	45.88	46.10	0.22	0.25	39.75	3343.09	
MW-1	06/15/10	3389.00	58.77	ND	46.78	ND	NA	NA	3342.22	
MW-1	06/25/10	3389.00	58.77	45.84	46.87	1.03	1.00	29.00	3343.01	
MW-1	06/25/10	3389.00	58.77	ND	46.81	ND	NA	NA	3342.19	
MW-1	06/30/10	3389.00	58.77	45.85	46.22	0.37	NA	NA	3343.09	
MW-1	07/07/10	3389.00	58.77	ND	45.78	ND	<0.25	20.00	3343.22	
MW-1	07/07/10	3389.00	58.77	ND	46.37	ND	NA	NA	3342.63	
MW-1	07/14/10	3389.00	58.77	45.77	46.14	0.37	0.10	14.90	3343.17	
MW-1	07/14/10	3389.00	58.77	ND	46.61	ND	NA	NA	3342.39	
MW-1	07/20/10	3389.00	58.77	45.88	46.36	0.48	<0.25	30.00	3343.05	
MW-1	07/20/10	3389.00	58.77	ND	47.08	ND	NA	NA	3341.92	
MW-1	07/28/10	3389.00	58.77	45.97	46.44	0.47	<0.25	20.00	3342.96	
MW-1	07/28/10	3389.00	58.77	ND	46.65	ND	NA	NA	3342.35	
MW-1	08/03/10	3389.00	58.77	46.02	46.30	0.28	<0.25	30.00	3342.94	
MW-1	08/03/10	3389.00	58.77	ND	46.53	ND	NA	NA	3342.47	
MW-1	08/11/10	3389.00	58.77	46.09	46.30	0.21	<0.25	3.00	3342.88	
MW-1	08/17/10	3389.00	58.77	46.14	46.27	0.13	<0.25	30.00	3342.84	

TABLE 2
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D.S. HUGH SITE
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	08/17/10	3389.00	58.77	ND	47.34	ND	NA	NA	3341.66	
MW-1	08/25/10	3389.00	58.77	46.06	46.25	0.19	<0.25	30.00	3342.91	
MW-1	08/25/10	3389.00	58.77	ND	46.74	ND	NA	NA	3342.26	
MW-1	09/01/10	3389.00	58.77	45.92	46.28	0.36	0.20	29.80	3343.03	
MW-1	09/01/10	3389.00	58.77	ND	47.10	ND	NA	NA	3341.90	
MW-1	09/08/10	3389.00	58.77	46.09	46.39	0.30	0.20	29.80	3342.87	
MW-1	09/08/10	3389.00	58.77	ND	46.77	ND	NA	NA	3342.23	
MW-1	09/15/10	3389.00	58.77	46.15	46.23	0.08	0.20	19.80	3342.84	
MW-1	09/15/10	3389.00	58.77	ND	46.76	ND	NA	NA	3342.24	
MW-1	09/21/10	3389.00	58.77	46.09	46.33	0.24	0.20	19.80	3342.87	
MW-1	09/21/10	3389.00	58.77	ND	46.84	ND	NA	NA	3342.16	
MW-1	10/01/10	3389.00	58.77	46.02	46.41	0.39	0.20	19.80	3342.92	
MW-1	10/01/10	3389.00	58.77	ND	46.79	ND	NA	NA	3342.21	
MW-1	10/06/10	3389.00	58.77	45.99	46.21	0.22	0.20	19.80	3342.98	
MW-1	10/06/10	3389.00	58.77	ND	46.70	ND	NA	NA	3342.30	
MW-1	10/13/10	3389.00	58.77	45.94	46.33	0.39	0.20	19.80	3343.00	
MW-1	10/13/10	3389.00	58.77	ND	46.90	ND	NA	NA	3342.10	
MW-1	10/22/10	3389.00	58.77	46.02	46.46	0.44	0.20	19.80	3342.91	
MW-1	10/22/10	3389.00	58.77	ND	47.04	ND	NA	NA	3341.96	
MW-1	10/27/10	3389.00	58.77	46.06	46.18	0.12	0.20	39.80	3342.92	
MW-1	10/27/10	3389.00	58.77	ND	46.27	ND	NA	NA	3342.73	
MW-1	11/03/10	3389.00	58.77	46.14	46.32	0.18	0.20	29.80	3342.83	
MW-1	11/03/10	3389.00	58.77	ND	46.76	ND	NA	NA	3342.24	
MW-1	11/10/10	3389.00	58.77	46.08	46.28	0.20	0.20	29.80	3342.89	
MW-1	11/10/10	3389.00	58.77	ND	46.84	ND	NA	NA	3342.16	
MW-1	11/16/10	3389.00	58.77	46.18	46.35	0.17	0.20	29.80	3342.79	
MW-1	11/16/10	3389.00	58.77	ND	46.40	ND	NA	NA	3342.60	
MW-1	11/23/10	3389.00	58.77	46.15	46.37	0.22	0.20	9.80	3342.82	
MW-1	11/23/10	3389.00	58.77	ND	46.76	ND	NA	NA	3342.24	
MW-1	12/01/10	3389.00	58.77	46.17	46.40	0.23	0.20	19.80	3342.80	
MW-1	12/01/10	3389.00	58.77	ND	46.65	ND	NA	NA	3342.35	
MW-1	12/08/10	3389.00	58.77	46.16	46.42	0.26	0.20	29.80	3342.80	
MW-1	12/08/10	3389.00	58.77	ND	47.14	ND	NA	NA	3341.86	
MW-1	12/15/10	3389.00	58.77	46.14	46.34	0.20	0.20	29.80	3342.83	
MW-1	12/15/10	3389.00	58.77	ND	47.39	ND	NA	NA	3341.61	
MW-1	12/21/10	3389.00	58.77	46.20	46.34	0.14	0.20	29.80	3342.78	
MW-1	12/21/10	3389.00	58.77	ND	46.92	ND	NA	NA	3342.08	
MW-1	01/08/11	3389.00	58.77	46.10	46.50	0.40	0.20	19.80	3342.84	
MW-1	01/08/11	3389.00	58.77	ND	46.83	ND	NA	NA	3342.17	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	01/12/11	3389.00	58.77	46.22	46.35	0.13	0.20	9.80	3342.76	
MW-1	01/12/11	3389.00	58.77	ND	46.79	ND	NA	NA	3342.21	
MW-1	01/19/11	3389.00	58.77	46.13	46.44	0.31	<0.25	30.00	3342.82	
MW-1	01/19/11	3389.00	58.77	ND	46.82	ND	NA	NA	3342.18	
MW-1	01/25/11	3389.00	58.77	46.18	46.39	0.21	<0.25	30.00	3342.79	
MW-1	01/25/11	3389.00	58.77	ND	46.58	ND	NA	NA	3342.42	
MW-1	02/04/11	3389.00	58.77	46.28	46.43	0.15	0.20	29.80	3342.70	
MW-1	02/04/11	3389.00	58.77	ND	47.43	ND	NA	NA	3341.57	
MW-1	02/08/11	3389.00	58.77	46.11	46.25	0.14	0.10	14.90	3342.87	
MW-1	02/08/11	3389.00	58.77	ND	47.26	ND	NA	NA	3341.74	
MW-1	02/16/11	3389.00	58.77	46.05	46.37	0.32	0.10	34.90	3342.90	
MW-1	02/16/11	3389.00	58.77	ND	47.38	ND	NA	NA	3341.62	
MW-1	02/24/11	3389.00	58.77	46.01	46.30	0.29	0.00	20.00	3342.95	
MW-1	02/24/11	3389.00	58.77	ND	46.18	ND	NA	NA	3342.82	
MW-1	03/02/11	3389.00	58.77	46.05	46.30	0.25	0.10	19.90	3342.91	
MW-1	03/02/11	3389.00	58.77	ND	47.00	ND	NA	NA	3342.00	
MW-1	03/08/11	3389.00	58.77	46.13	46.41	0.28	0.10	4.90	3342.83	
MW-1	03/08/11	3389.00	58.77	ND	46.41	ND	NA	NA	3342.59	
MW-1	03/16/11	3389.00	58.77	46.18	46.56	0.38	0.10	4.90	3342.76	
MW-1	03/16/11	3389.00	58.77	ND	46.32	ND	NA	NA	3342.68	
MW-1	03/23/11	3389.00	58.77	46.25	46.58	0.33	0.10	4.90	3342.70	
MW-1	03/23/11	3389.00	58.77	ND	46.40	ND	NA	NA	3342.60	
MW-1	03/30/11	3389.00	58.77	46.28	46.64	0.36	0.10	29.90	3342.67	
MW-1	03/30/11	3389.00	58.77	ND	46.38	ND	NA	NA	3342.62	
MW-1	04/08/11	3389.00	58.77	46.20	46.39	0.19	0.10	4.90	3342.77	
MW-1	04/08/11	3389.00	58.77	ND	46.40	ND	NA	NA	3342.60	
MW-1	04/13/11	3389.00	58.77	46.19	46.42	0.23	0.10	9.90	3342.78	
MW-1	04/13/11	3389.00	58.77	ND	46.36	ND	NA	NA	3342.64	
MW-1	04/20/11	3389.00	58.77	46.18	46.48	0.30	0.10	9.90	3342.78	
MW-1	04/20/11	3389.00	58.77	ND	46.45	ND	NA	NA	3342.55	
MW-1	04/27/11	3389.00	58.77	46.23	46.62	0.39	0.10	39.90	3342.71	
MW-1	04/27/11	3389.00	58.77	0.00	47.04	47.04	NA	NA	3381.94	
MW-1	05/04/11	3389.00	58.77	46.31	46.55	0.24	0.10	29.90	3342.65	
MW-1	05/04/11	3389.00	58.77	ND	47.11	ND	NA	NA	3341.89	
MW-1	05/11/11	3389.00	58.77	46.32	46.52	0.20	0.10	19.90	3342.65	
MW-1	05/11/11	3389.00	58.77	ND	46.98	ND	NA	NA	3342.02	
MW-1	05/19/11	3389.00	58.77	46.43	46.52	0.09	0.10	29.90	3342.56	
MW-1	05/19/11	3389.00	58.77	ND	47.00	ND	NA	NA	3342.00	
MW-1	05/24/11	3389.00	58.77	46.35	46.50	0.15	0.10	19.90	3342.63	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	05/24/11	3389.00	58.77	ND	46.72	ND	NA	NA	3342.28	
MW-1	05/31/11	3389.00	58.77	46.46	46.61	0.15	NA	NA	3342.52	Sampled
MW-1	06/08/11	3389.00	58.77	46.45	46.55	0.10	0.00	20.00	3342.54	
MW-1	06/08/11	3389.00	58.77	ND	46.47	ND	NA	NA	3342.53	
MW-1	06/17/11	3389.00	58.77	46.35	46.59	0.24	0.00	20.00	3342.61	
MW-1	06/17/11	3389.00	58.77	ND	46.50	ND	NA	NA	3342.50	
MW-1	06/21/11	3389.00	58.77	46.40	46.98	0.58	0.25	29.75	3342.51	
MW-1	06/21/11	3389.00	58.77	ND	47.10	ND	NA	NA	3341.90	
MW-1	06/29/11	3389.00	58.77	46.54	46.85	0.31	6.25	30.00	3342.41	
MW-1	06/29/11	3389.00	58.77	ND	47.17	ND	NA	NA	3341.83	
MW-1	07/06/11	3389.00	58.77	46.65	46.87	0.22	0.10	9.90	3342.32	
MW-1	07/06/11	3389.00	58.77	ND	46.74	ND	NA	NA	3342.26	
MW-1	07/13/11	3389.00	58.77	46.70	47.05	0.35	0.10	19.90	3342.25	
MW-1	07/13/11	3389.00	58.77	ND	47.14	ND	NA	NA	3341.86	
MW-1	07/21/11	3389.00	58.77	46.75	47.06	0.31	0.10	9.90	3342.20	
MW-1	07/21/11	3389.00	58.77	ND	46.86	ND	NA	NA	3342.14	
MW-1	07/27/11	3389.00	58.77	46.78	47.30	0.52	0.10	9.90	3342.14	
MW-1	07/27/11	3389.00	58.77	ND	46.90	ND	NA	NA	3342.10	
MW-1	08/03/11	3389.00	58.77	46.85	47.44	0.59	0.10	9.90	3342.06	
MW-1	08/03/11	3389.00	58.77	ND	47.12	ND	NA	NA	3341.88	
MW-1	08/11/11	3389.00	58.77	46.90	47.68	0.78	0.10	9.90	3341.98	
MW-1	08/11/11	3389.00	58.77	ND	47.20	ND	NA	NA	3341.80	
MW-1	08/17/11	3389.00	58.77	46.88	47.82	0.94	0.10	9.90	3341.98	
MW-1	08/17/11	3389.00	58.77	ND	47.13	ND	NA	NA	3341.87	
MW-1	08/24/11	3389.00	58.77	46.98	47.94	0.96	0.20	9.80	3341.88	
MW-1	08/24/11	3389.00	58.77	ND	47.20	ND	NA	NA	3341.80	
MW-1	08/29/11	3389.00	58.77	47.05	47.97	0.92	0.10	9.90	3341.81	Sampled
MW-1	08/29/11	3389.00	58.77	ND	47.18	ND	NA	NA	3341.82	
MW-1	09/07/11	3389.00	58.77	47.09	48.15	1.06	0.20	9.80	3341.75	
MW-1	09/07/11	3389.00	58.77	ND	47.29	ND	NA	NA	3341.71	
MW-1	09/14/11	3389.00	58.77	47.03	47.99	0.96	0.10	4.90	3341.83	
MW-1	09/14/11	3389.00	58.77	ND	47.21	ND	NA	NA	3341.79	
MW-1	09/21/11	3389.00	58.77	47.10	48.25	1.15	0.10	9.90	3341.73	
MW-1	09/21/11	3389.00	58.77	ND	47.33	ND	NA	NA	3341.67	
MW-1	09/28/11	3389.00	58.77	47.15	48.30	1.15	0.50	9.50	3341.68	
MW-1	09/28/11	3389.00	58.77	ND	47.35	ND	NA	NA	3341.65	
MW-1	10/05/11	3389.00	58.77	47.12	48.15	1.03	0.75	39.25	3341.73	Semi-clear @ 30 gal
MW-1	10/05/11	3389.00	58.77	ND	47.94	ND	NA	NA	3341.06	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	10/12/11	3389.00	58.77	47.13	48.20	1.07	2.00	28.00	3341.71	
MW-1	10/12/11	3389.00	58.77	ND	47.80	ND	NA	NA	3341.20	
MW-1	10/18/11	3389.00	58.77	47.21	48.18	0.97	0.75	29.25	3341.64	
MW-1	10/18/11	3389.00	58.77	ND	48.36	ND	NA	NA	3340.64	
MW-1	10/28/11	3389.00	58.77	47.14	48.25	1.11	0.75	29.25	3341.69	
MW-1	10/28/11	3389.00	58.77	ND	48.48	ND	NA	NA	3340.52	
MW-1	11/02/11	3389.00	58.77	47.11	48.15	1.04	0.75	19.25	3341.73	
MW-1	11/02/11	3389.00	58.77	ND	48.19	ND	NA	NA	3340.81	
MW-1	11/09/11	3389.00	58.77	47.14	48.39	1.25	0.10	9.90	3341.67	
MW-1	11/09/11	3389.00	58.77	ND	49.34	ND	NA	NA	3339.66	
MW-1	11/18/11	3389.00	58.77	47.06	48.22	1.16	0.75	9.75	3341.77	
MW-1	11/18/11	3389.00	58.77	ND	47.25	ND	NA	NA	3341.75	
MW-1	11/23/11	3389.00	58.77	47.15	48.35	1.20	1.00	19.00	3341.67	
MW-1	11/23/11	3389.00	58.77	ND	48.21	ND	NA	NA	3340.79	
MW-1	11/28/11	3389.00	58.77	47.16	48.35	1.19	NA	NA	3341.66	Sampled
MW-1	12/07/11	3389.00	58.77	47.18	48.58	1.40	0.10	19.90	3341.61	
MW-1	12/07/11	3389.00	58.77	ND	47.41	ND	NA	NA	3341.59	
MW-1	12/13/11	3389.00	58.77	47.13	48.29	1.16	0.75	19.25	3341.70	
MW-1	12/13/11	3389.00	58.77	ND	48.46	ND	NA	NA	3340.54	
MW-1	12/20/11	3389.00	58.77	47.22	48.50	1.28	0.25	19.75	3341.59	
MW-1	12/20/11	3389.00	58.77	ND	48.31	ND	NA	NA	3340.69	
MW-1	12/27/11	3389.00	58.77	47.22	48.80	1.58	1.00	29.00	3341.54	
MW-1	12/27/11	3389.00	58.77	ND	48.48	ND	NA	NA	3340.52	
MW-1	01/04/12	3389.00	58.77	47.12	47.71	0.59	0.10	9.90	3341.79	
MW-1	01/04/12	3389.00	58.77	ND	47.44	ND	NA	NA	3341.56	
MW-1	01/13/12	3389.00	58.77	47.06	48.19	1.13	0.25	9.75	3341.77	
MW-1	01/13/12	3389.00	58.77	ND	47.43	ND	NA	NA	3341.57	
MW-1	01/18/12	3389.00	58.77	47.01	48.10	1.09	1.00	14.00	3341.83	
MW-1	01/18/12	3389.00	58.77	ND	48.03	ND	NA	NA	3340.97	
MW-1	01/27/12	3389.00	58.77	46.95	48.10	1.15	1.00	29.00	3341.88	
MW-1	01/27/12	3389.00	58.77	ND	48.05	ND	NA	NA	3340.95	
MW-1	02/02/12	3389.00	58.77	46.91	48.04	1.13	1.00	19.00	3341.92	
MW-1	02/02/12	3389.00	58.77	ND	47.07	ND	NA	NA	3341.93	
MW-1	02/08/12	3389.00	58.77	46.90	48.00	1.10	0.10	29.90	3341.94	
MW-1	02/08/12	3389.00	58.77	ND	48.90	ND	NA	NA	3340.10	
MW-1	02/15/12	3389.00	58.77	46.86	48.93	2.07	0.00	19.00	3341.83	
MW-1	02/15/12	3389.00	58.77	ND	47.90	ND	NA	NA	3341.10	
MW-1	02/29/12	3389.00	58.77	46.75	47.65	0.90	0.10	29.90	3342.12	
MW-1	02/29/12	3389.00	58.77	ND	47.75	ND	NA	NA	3341.25	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	03/06/12	3389.00	58.77	46.80	47.70	0.90	1.00	19.00	3342.07	
MW-1	03/06/12	3389.00	58.77	ND	47.40	ND	NA	NA	3341.60	
MW-1	03/14/12	3389.00	58.77	46.78	47.68	0.90	0.25	19.75	3342.09	
MW-1	03/14/12	3389.00	58.77	ND	47.30	ND	NA	NA	3341.70	
MW-1	03/21/12	3389.00	58.77	47.61	48.58	0.97	0.10	19.90	3341.24	
MW-1	03/21/12	3389.00	58.77	ND	48.58	ND	NA	NA	3340.42	
MW-1	03/29/12	3389.00	58.77	46.70	47.70	1.00	0.10	19.90	3342.15	
MW-1	03/29/12	3389.00	58.77	ND	47.50	ND	NA	NA	3341.50	
MW-1	04/03/12	3389.00	58.77	46.70	47.70	1.00	0.10	19.90	3342.15	
MW-1	04/03/12	3389.00	58.77	ND	47.50	ND	NA	NA	3341.50	
MW-1	04/11/12	3389.00	58.77	46.79	48.00	1.21	1.00	19.00	3342.03	
MW-1	04/11/12	3389.00	58.77	ND	47.76	ND	NA	NA	3341.24	
MW-1	04/20/12	3389.00	58.77	46.83	48.06	1.23	0.50	29.50	3341.99	
MW-1	04/20/12	3389.00	58.77	ND	47.70	ND	NA	NA	3341.30	
MW-1	04/26/12	3389.00	58.77	46.90	48.32	1.42	1.00	39.00	3341.89	
MW-1	04/26/12	3389.00	58.77	ND	47.73	ND	NA	NA	3341.27	
MW-1	05/02/12	3389.00	58.77	46.96	48.38	1.42	2.00	43.00	3341.83	
MW-1	05/02/12	3389.00	58.77	ND	47.58	ND	NA	NA	3341.42	
MW-1	05/09/12	3389.00	58.77	47.02	48.48	1.46	0.50	39.50	3341.76	
MW-1	05/09/12	3389.00	58.77	ND	47.91	ND	NA	NA	3341.09	
MW-1	05/16/12	3389.00	58.77	47.17	48.62	1.45	0.50	39.50	3341.61	
MW-1	05/16/12	3389.00	58.77	ND	47.52	ND	NA	NA	3341.48	
MW-1	05/22/12	3389.00	58.77	47.08	48.61	1.53	NA	NA	3341.69	
MW-1	05/29/12	3389.00	58.77	47.09	48.56	1.47	1.00	39.00	3341.69	
MW-1	05/29/12	3389.00	58.77	ND	47.48	ND	NA	NA	3341.52	
MW-1	06/06/12	3389.00	58.77	47.13	48.50	1.37	1.00	39.00	3341.66	
MW-1	06/06/12	3389.00	58.77	ND	47.32	ND	NA	NA	3341.68	
MW-1	06/13/12	3389.00	58.77	47.15	48.70	1.55	2.00	38.00	3341.62	
MW-1	06/13/12	3389.00	58.77	ND	47.53	ND	NA	NA	3341.47	
MW-1	06/19/12	3389.00	58.77	47.20	48.85	1.65	2.00	23.00	3341.55	
MW-1	06/19/12	3389.00	58.77	ND	48.01	ND	NA	NA	3340.99	
MW-1	06/27/12	3389.00	58.77	47.28	48.80	1.52	0.00	20.00	3341.49	
MW-1	06/27/12	3389.00	58.77	ND	48.20	ND	NA	NA	3340.80	
MW-1	07/18/12	3389.00	58.77	47.42	49.12	1.70	1.70	38.00	3341.33	
MW-1	07/18/12	3389.00	58.77	ND	48.58	ND	NA	NA	3340.42	
MW-1	07/25/12	3389.00	58.77	47.50	48.99	1.49	2.50	22.50	3341.28	
MW-1	07/25/12	3389.00	58.77	ND	48.38	ND	NA	NA	3340.62	
MW-1	07/31/12	3389.00	58.77	47.56	48.96	1.40	2.00	38.00	3341.23	
MW-1	07/31/12	3389.00	58.77	ND	47.65	ND	NA	NA	3341.35	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	08/08/12	3389.00	58.77	47.45	48.95	1.50	NA	NA	3341.33	
MW-1	08/13/12	3389.00	58.77	47.40	48.90	1.50	2.00	38.00	3341.38	
MW-1	08/13/12	3389.00	58.77	ND	48.21	ND	NA	NA	3340.79	
MW-1	08/20/12	3389.00	58.77	47.37	48.83	1.46	1.00	19.00	3341.41	
MW-1	08/20/12	3389.00	58.77	ND	47.95	ND	NA	NA	3341.05	
MW-1	09/05/12	3389.00	58.77	47.33	48.90	1.57	1.00	39.00	3341.43	
MW-1	09/05/12	3389.00	58.77	ND	48.15	ND	NA	NA	3340.85	
MW-1	09/11/12	3389.00	58.77	47.30	48.75	1.45	NA	NA	3341.48	
MW-1	09/19/12	3389.00	58.77	47.33	48.90	1.57	NA	NA	3341.43	
MW-1	09/25/12	3389.00	58.77	47.33	48.88	1.55	NA	NA	3341.44	
MW-1	10/02/12	3389.00	58.77	47.33	48.80	1.47	NA	NA	3341.45	
MW-1	10/10/12	3389.00	58.77	47.30	48.85	1.55	NA	NA	3341.47	
MW-1	10/16/12	3389.00	58.77	47.26	48.84	1.58	NA	NA	3341.50	
MW-1	10/16/12	3389.00	58.77	ND	47.95	ND	NA	NA	3341.05	
MW-1	10/24/12	3389.00	58.77	47.25	48.75	1.50	1.00	39.00	3341.53	
MW-1	10/24/12	3389.00	58.77	ND	47.92	ND	NA	NA	3341.08	
MW-1	11/06/12	3389.00	58.77	47.29	48.82	1.53	1.00	39.00	3341.48	
MW-1	11/06/12	3389.00	58.77	ND	47.82	ND	NA	NA	3341.18	
MW-1	11/26/12	3389.00	58.77	ND	NG	NG	NA	NA	NG	
MW-1	12/11/12	3389.00	58.77	47.27	48.70	1.43	3.00	37.00	3341.52	
MW-1	12/11/12	3389.00	58.77	ND	48.23	ND	NA	NA	3340.77	
MW-1	01/03/13	3389.00	58.77	47.28	48.85	1.57	2.00	38.00	3341.48	
MW-1	01/16/13	3389.00	58.77	47.28	48.90	1.62	2.00	38.00	3341.48	
MW-1	01/23/13	3389.00	58.77	47.30	48.80	1.50	2.00	38.00	3341.48	
MW-1	01/30/13	3389.00	58.77	47.28	48.85	1.57	1.00	39.00	3341.48	
MW-1	02/07/13	3389.00	58.77	47.28	48.78	1.50	1.00	39.00	3341.50	
MW-1	02/13/13	3389.00	58.77	47.28	48.80	1.52	2.00	38.00	3341.49	
MW-1	02/27/13	3389.00	58.77	47.27	48.60	1.33	2.00	38.00	3341.53	
MW-1	03/05/13	3389.00	58.77	47.25	48.65	1.40	1.00	39.00	3341.54	
MW-1	03/15/13	3389.00	58.77	47.30	48.72	1.42	1.00	39.00	3341.49	
MW-1	03/21/13	3389.00	58.77	47.19	48.32	1.13	2.00	38.00	3341.64	
MW-1	03/29/13	3389.00	58.77	47.16	48.44	1.28	2.00	38.00	3341.65	
MW-1	04/03/13	3389.00	58.77	47.15	48.39	1.24	2.00	38.00	3341.66	
MW-1	04/09/13	3389.00	58.77	47.15	48.46	1.31	1.00	39.00	3341.65	
MW-1	05/01/13	3389.00	58.77	47.22	48.18	0.96	1.00	39.00	3341.64	
MW-1	05/15/13	3389.00	58.77	47.28	48.80	1.52	1.00	39.00	3341.49	
MW-1	05/21/13	3389.00	58.77	47.28	48.90	1.62	1.00	39.00	3341.48	
MW-1	06/05/13	3389.00	58.77	47.31	48.91	1.60	2.00	38.00	3341.45	
MW-1	06/10/13	3389.00	58.77	47.37	48.79	1.42	2.00	38.00	3341.42	Sampled

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	06/17/13	3389.00	58.77	47.34	48.84	1.50	2.00	38.00	3341.44	
MW-1	06/26/13	3389.00	58.77	47.60	48.85	1.25	1.00	38.00	3341.21	
MW-1	07/03/13	3389.00	58.77	47.40	49.12	1.72	2.00	38.00	3341.34	
MW-1	07/10/13	3389.00	58.77	47.52	49.25	1.73	2.00	38.00	3341.22	
MW-1	08/07/13	3389.00	58.77	47.56	49.20	1.64	2.00	38.00	3341.19	
MW-1	08/14/13	3389.00	58.77	47.70	49.45	1.75	2.00	38.00	3341.04	
MW-1	08/21/13	3389.00	58.77	47.70	49.52	1.82	3.00	37.00	3341.03	
MW-1	08/28/13	3389.00	58.77	47.78	49.32	1.54	2.00	28.00	3340.99	
MW-1	09/06/13	3389.00	58.77	47.81	49.38	1.57	2.00	38.00	3340.95	
MW-1	09/11/13	3389.00	58.77	47.87	49.23	1.36	2.00	33.00	3340.93	
MW-1	09/21/13	3389.00	58.77	47.85	49.35	1.50	2.00	18.00	3340.93	
MW-1	09/28/13	3389.00	58.77	47.88	49.38	1.50	2.00	18.00	3340.90	
MW-1	10/02/13	3389.00	58.77	47.80	49.65	1.85	2.00	38.00	3340.92	
MW-1	10/11/13	3389.00	58.77	47.95	49.50	1.55	2.00	28.00	3340.82	
MW-1	10/16/13	3389.00	58.77	47.80	48.95	1.15	2.00	38.00	3341.03	
MW-1	10/30/13	3389.00	58.77	48.02	49.88	1.86	2.00	38.00	3340.70	
MW-1	11/13/13	3389.00	58.77	48.09	49.85	1.76	2.00	28.00	3340.65	
MW-1	11/20/13	3389.00	58.77	48.35	49.66	1.31	2.00	28.00	3340.45	
MW-1	11/27/13	3389.00	58.77	48.15	49.69	1.54	2.00	28.00	3340.62	
MW-1	12/11/13	3389.00	58.77	48.18	50.02	1.84	2.00	28.00	3340.54	
MW-1	12/17/13	3389.00	58.77	48.23	49.75	1.52	2.00	28.00	3340.54	
MW-1	01/02/14	3389.00	58.77	48.50	49.75	1.25	1.00	29.00	3340.31	
MW-1	01/09/14	3389.00	58.77	48.75	49.50	0.75	2.00	28.00	3340.14	
MW-1	01/15/14	3389.00	58.77	48.40	49.69	1.29	1.00	19.00	3340.41	
MW-1	01/22/14	3389.00	58.77	48.45	49.70	1.25	2.00	28.00	3340.36	
MW-1	01/30/14	3389.00	58.77	48.41	50.15	1.74	1.50	23.50	3340.33	
MW-1	02/05/14	3389.00	58.77	48.54	49.63	1.09	2.00	28.00	3340.30	
MW-1	02/13/14	3389.00	58.77	48.55	49.77	1.22	2.00	28.00	3340.27	
MW-1	02/20/14	3389.00	58.77	48.57	49.68	1.11	1.50	18.50	3340.26	
MW-1	02/26/14	3389.00	58.77	48.54	50.24	1.70	2.00	28.00	3340.21	
MW-1	03/05/14	3389.00	58.77	48.55	50.18	1.63	2.00	18.00	3340.21	
MW-1	03/18/14	3389.00	58.77	48.58	50.21	1.63	2.00	38.00	3340.18	
MW-1	03/25/14	3389.00	58.77	48.59	50.30	1.71	3.00	27.00	3340.15	
MW-1	04/02/14	3389.00	58.77	48.60	50.40	1.80	3.00	27.00	3340.13	
MW-1	04/07/14	3389.00	58.77	48.58	50.00	1.42	2.00	38.00	3340.21	
MW-1	04/15/14	3389.00	58.77	48.78	49.57	0.79	2.00	28.00	3340.10	
MW-1	04/23/14	3389.00	58.77	48.85	49.66	0.81	2.00	28.00	3340.03	
MW-1	05/04/14	3389.00	58.77	48.58	49.93	1.35	3.00	17.00	3340.22	
MW-1	05/07/14	3389.00	58.77	48.60	49.02	0.42	1.00	19.00	3340.34	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-1	05/16/14	3389.00	58.77	48.72	49.87	1.15	2.00	28.00	3340.11	Sampled
MW-1	05/20/14	3389.00	58.77	48.75	49.22	0.47	0.50	19.50	3340.18	
MW-1	06/06/14	3389.00	58.77	48.72	50.10	1.38	NA	NA	3340.07	Sampled
MW-1	06/19/14	3389.00	58.77	48.78	49.73	0.95	2.00	23.00	3340.08	
MW-1	06/25/14	3389.00	58.77	48.80	49.95	1.15	2.00	23.00	3340.03	
MW-1	07/09/14	3389.00	58.77	48.78	50.40	1.62	2.00	38.00	3339.98	
MW-1	07/16/14	3389.00	58.77	48.97	49.72	0.75	2.00	38.00	3339.92	
MW-1	07/23/14	3389.00	58.77	49.98	50.15	0.17	2.00	28.00	3338.99	
MW-1	07/29/14	3389.00	58.77	48.96	49.62	0.66	2.00	28.00	3339.94	
MW-1	08/12/14	3389.00	58.77	48.48	49.76	1.28	2.00	23.00	3340.33	
MW-1	08/21/14	3389.00	58.77	48.55	49.23	0.68	1.00	9.00	3340.35	
MW-1	08/26/14	3389.00	58.77	48.57	49.23	0.66	1.00	9.00	3340.33	
MW-1	09/03/14	3389.00	58.77	48.48	49.51	1.03	2.00	28.00	3340.37	
MW-1	09/09/14	3389.00	58.77	48.43	49.53	1.10	2.00	28.00	3340.41	
MW-1	09/18/14	3389.00	58.56	48.40	49.52	1.12	2.00	18.00	3340.43	
MW-1	09/24/14	3389.00	58.56	48.48	49.28	0.80	0.25	19.75	3340.40	
MW-1	09/29/14	3389.00	58.56	48.49	49.29	0.80	NA	NA	3340.39	
MW-1	10/13/14	3389.00	58.56	48.28	48.92	0.64	NA	NA	3340.62	
MW-1	10/20/14	3389.00	58.56	48.24	48.90	0.66	NA	NA	3340.66	
MW-1	10/28/14	3389.00	58.56	48.16	48.63	0.47	0.50	9.50	3340.77	
MW-1	11/04/14	3389.00	58.56	48.13	48.51	0.38	0.50	9.50	3340.81	
MW-1	11/12/14	3389.00	58.56	48.20	48.22	0.02	NA	NA	3340.80	
MW-1	11/20/14	3389.00	58.56	48.08	48.10	0.02	NA	NA	3340.92	
MW-1	11/25/14	3389.00	58.56	48.02	48.08	0.06	NA	NA	3340.97	
MW-1	12/05/14	3389.00	58.56	48.05	48.06	0.01	NA	NA	3340.95	
MW-1	12/17/14	3389.00	58.56	48.01	48.10	0.09	NA	NA	3340.98	
MW-1	12/22/15	3389.00	58.56	48.00	48.31	0.31	0.25	9.75	3340.95	
MW-1	12/29/15	3389.00	58.56	48.00	47.95	48.29	0.50	4.50	3382.10	
MW-1	01/07/15	3389.00	58.56	47.96	48.23	0.27	0.50	14.50	3341.00	
MW-1	01/14/15	3389.00	58.56	47.94	48.18	0.24	0.25	14.75	3341.02	
MW-2	12/21/05	3388.28	59.34	NA	45.23	NA	NA	NA	3343.05	Sampled
MW-2	12/29/05	3388.28	NG	NA	45.15	NA	NA	NA	3343.13	
MW-2	01/05/06	3388.28	NG	NA	45.25	NA	NA	NA	3343.03	
MW-2	02/09/06	3388.28	NG	NA	45.02	NA	NA	NA	3343.26	
MW-2	02/22/06	3388.28	NG	NA	45.00	NA	NA	NA	3343.28	
MW-2	03/28/06	3388.28	59.33	NA	44.90	NA	NA	NA	3343.38	Sampled
MW-2	04/13/06	3388.28	NG	NA	44.95	NA	NA	NA	3343.33	
MW-2	04/25/06	3388.28	NG	NA	44.93	NA	NA	NA	3343.35	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-2	05/03/06	3388.28	NG	NA	44.88	NA	NA	NA	3343.40	
MW-2	05/11/06	3388.28	NG	NA	44.96	NA	NA	NA	3343.32	
MW-2	05/24/06	3388.28	NG	NA	44.92	NA	NA	NA	3343.36	
MW-2	06/07/06	3388.28	NG	NA	44.91	NA	NA	NA	3343.37	
MW-2	06/15/06	3388.28	NG	NA	44.92	NA	NA	NA	3343.36	Sampled
MW-2	06/29/06	3388.28	NG	NA	45.02	NA	NA	NA	3343.26	
MW-2	07/11/06	3388.28	NG	NA	45.05	NA	NA	NA	3343.23	
MW-2	07/25/06	3388.28	NG	NA	45.13	NA	NA	NA	3343.15	
MW-2	08/09/06	3388.28	59.33	NA	45.19	NA	NA	NA	3343.09	
MW-2	08/22/06	3388.28	NG	NA	45.27	NA	NA	NA	3343.01	
MW-2	09/12/06	3388.28	59.30	NA	45.30	NA	NA	NA	3342.98	Sampled
MW-2	09/19/06	3388.28	59.30	NA	45.33	NA	NA	NA	3342.95	
MW-2	10/03/06	3388.28	59.30	NA	45.32	NA	NA	NA	3342.96	
MW-2	10/17/06	3388.28	NG	NA	45.25	NA	NA	NA	3343.03	
MW-2	10/31/06	3388.28	NG	NA	45.61	NA	NA	NA	3342.67	
MW-2	11/15/06	3388.28	NG	NA	45.18	NA	NA	NA	3343.10	
MW-2	12/06/06	3388.28	59.33	NA	45.05	NA	NA	NA	3343.23	Sampled
MW-2	12/13/06	3388.28	NG	NA	45.36	NA	NA	NA	3342.92	
MW-2	01/03/07	3388.28	NG	NA	44.95	NA	NA	NA	3343.33	
MW-2	01/09/07	3388.28	NG	NA	45.00	NA	NA	NA	3343.28	
MW-2	01/18/07	3388.28	NG	NA	44.92	NA	NA	NA	3343.36	
MW-2	01/25/07	3388.28	NG	NA	44.91	NA	NA	NA	3343.37	
MW-2	01/31/07	3388.28	NG	NA	44.84	NA	NA	NA	3343.44	
MW-2	02/07/07	3388.28	NG	NA	44.86	NA	NA	NA	3343.42	
MW-2	02/14/07	3388.28	NG	NA	44.88	NA	NA	NA	3343.40	
MW-2	03/01/07	3388.28	59.33	NA	44.82	NA	NA	NA	3343.46	Sampled
MW-2	05/03/07	3388.28	59.33	NA	44.70	NA	NA	NA	3343.58	
MW-2	05/31/07	3388.28	59.33	NA	44.70	NA	NA	NA	3343.58	
MW-2	06/06/07	3388.28	59.37	NA	44.67	NA	NA	NA	3343.61	
MW-2	07/05/07	3388.28	59.26	NA	44.77	NA	NA	NA	3343.51	
MW-2	07/31/07	3388.28	59.25	NA	44.51	NA	NA	NA	3343.77	
MW-2	09/07/07	3388.28	59.37	NA	44.88	NA	NA	NA	3343.40	Sampled
MW-2	10/04/07	3388.28	59.37	NA	44.95	NA	NA	NA	3343.33	
MW-2	11/13/07	3388.28	59.36	NA	44.95	NA	NA	NA	3343.33	Sampled
MW-2	12/05/07	3388.28	59.36	NA	44.94	NA	NA	NA	3343.34	
MW-2	01/09/08	3388.28	59.33	NA	44.96	NA	NA	NA	3343.32	
MW-2	02/06/08	3388.28	59.33	NA	44.96	NA	NA	NA	3343.32	
MW-2	02/27/08	3388.28	59.28	NA	44.92	NA	NA	NA	3343.36	Sampled
MW-2	04/02/08	3388.28	59.28	NA	44.81	NA	NA	NA	3343.47	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-2	05/22/08	3388.28	59.28	NA	44.84	NA	NA	NA	3343.44	Sampled
MW-2	06/26/08	3388.28	59.28	NA	44.97	NA	NA	NA	3343.31	
MW-2	07/07/08	3388.28	59.28	NA	44.94	NA	NA	NA	3343.34	
MW-2	08/20/08	3388.28	59.33	NA	45.00	NA	NA	NA	3343.28	Sampled
MW-2	10/15/08	3388.28	59.33	NA	45.42	NA	NA	NA	3342.86	
MW-2	11/19/08	3388.28	59.33	NA	45.28	NA	NA	NA	3343.00	Sampled
MW-2	12/21/08	3388.28	59.33	NA	45.38	NA	NA	NA	3342.90	
MW-2	01/07/09	3388.28	59.19	NA	45.25	NA	NA	NA	3343.03	
MW-2	02/04/09	3388.28	59.38	NA	45.19	NA	NA	NA	3343.09	
MW-2	02/17/09	3388.28	59.32	NA	45.02	NA	NA	NA	3343.26	Sampled
MW-2	03/04/09	3388.28	59.32	NA	45.07	NA	NA	NA	3343.21	
MW-2	04/08/09	3388.28	59.32	NA	45.13	NA	NA	NA	3343.15	
MW-2	05/06/09	3388.28	59.32	NA	45.31	NA	NA	NA	3342.97	
MW-2	05/19/09	3388.28	59.32	NA	45.33	NA	NA	NA	3342.95	Sample
MW-2	06/03/09	3388.28	59.32	NA	45.34	NA	NA	NA	3342.94	
MW-2	07/15/09	3388.28	59.32	NA	45.35	NA	NA	NA	3342.93	
MW-2	08/05/09	3388.28	59.32	NA	45.27	NA	NA	NA	3343.01	
MW-2	08/26/09	3388.28	59.32	NA	45.36	NA	0.00	7.00	3342.92	Sample
MW-2	09/02/09	3388.28	59.32	NA	45.38	NA	NA	NA	3342.90	
MW-2	10/07/09	3388.28	59.32	NA	45.31	NA	NA	NA	3342.97	
MW-2	11/04/09	3388.28	59.32	NA	45.29	NA	NA	NA	3342.99	
MW-2	11/17/09	3388.28	59.32	NA	45.24	NA	NA	NA	3343.04	Sample
MW-2	12/02/09	3388.28	59.32	NA	45.23	NA	NA	NA	3343.05	
MW-2	01/06/10	3388.38	59.32	NA	45.34	NA	NA	NA	3343.04	
MW-2	02/09/10	3388.38	59.32	NA	45.57	NA	NA	NA	3342.81	Sample
MW-2	03/10/10	3388.38	59.32	NA	45.54	NA	NA	NA	3342.84	
MW-2	04/07/10	3388.38	59.32	NA	45.61	NA	NA	NA	3342.77	
MW-2	05/05/10	3388.38	59.32	NA	45.71	NA	NA	NA	3342.67	
MW-2	05/12/10	3388.38	59.32	NA	45.68	NA	NA	NA	3342.70	Sample
MW-2	06/02/10	3388.38	59.32	NA	45.52	NA	NA	NA	3342.86	
MW-2	07/07/10	3388.38	59.32	NA	45.34	NA	NA	NA	3343.04	
MW-2	08/03/10	3388.38	59.32	NA	45.56	NA	NA	NA	3342.82	
MW-2	08/26/10	3388.38	59.32	NA	45.58	NA	NA	NA	3342.80	Sample
MW-2	09/01/10	3388.38	59.32	NA	45.47	NA	NA	NA	3342.91	
MW-2	10/13/10	3388.38	59.32	NA	45.58	NA	NA	NA	3342.80	
MW-2	11/18/10	3388.38	59.32	NA	45.79	NA	NA	NA	3342.59	Sample
MW-2	11/23/10	3388.38	59.32	NA	45.81	NA	NA	NA	3342.57	
MW-2	12/08/10	3388.38	59.32	NA	45.83	NA	NA	NA	3342.55	
MW-2	01/12/11	3388.38	59.32	NA	45.87	NA	NA	NA	3342.51	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-2	02/08/11	3388.38	59.32	NA	45.80	NA	NA	NA	3342.58	
MW-2	02/24/11	3388.38	59.32	NA	45.73	NA	NA	NA	3342.65	Sampled
MW-2	03/08/11	3388.38	59.32	NA	45.80	NA	NA	NA	3342.58	
MW-2	04/13/11	3388.38	59.32	NA	46.90	NA	NA	NA	3341.48	
MW-2	05/31/11	3388.38	59.32	NA	46.18	NA	NA	NA	3342.20	Sampled
MW-2	07/06/11	3388.38	59.32	NA	46.28	NA	NA	NA	3342.10	
MW-2	08/29/11	3388.38	59.32	NA	46.76	NA	NA	NA	3341.62	Sampled
MW-2	09/14/11	3388.38	59.32	NA	46.79	NA	NA	NA	3341.59	
MW-2	10/12/11	3388.38	59.32	NA	46.81	NA	NA	NA	3341.57	
MW-2	11/28/11	3388.38	59.32	NA	46.93	NA	NA	NA	3341.45	Sampled
MW-2	12/27/11	3388.38	59.32	NA	46.95	NA	NA	NA	3341.43	
MW-2	01/18/12	3388.38	59.32	NA	46.80	NA	NA	NA	3341.58	
MW-2	02/02/12	3388.38	59.32	NA	46.73	NA	NA	NA	3341.65	
MW-2	02/15/12	3388.38	59.32	NA	46.66	NA	NA	NA	3341.72	
MW-2	02/22/12	3388.38	59.32	NA	46.60	NA	NA	NA	3341.78	
MW-2	04/20/12	3388.38	59.32	NA	46.61	NA	NA	NA	3341.77	
MW-2	05/22/12	3388.38	59.32	NA	46.86	NA	NA	NA	3341.52	
MW-2	07/18/12	3388.38	59.32	NA	47.32	NA	NA	NA	3341.06	
MW-2	09/11/12	3388.38	59.32	NA	47.23	NA	NA	NA	3341.15	
MW-2	10/16/12	3388.38	59.32	NA	47.22	NA	NA	NA	3341.16	
MW-2	11/26/12	3388.38	59.32	NA	47.22	NA	NA	NA	3341.16	
MW-2	12/11/12	3388.38	59.32	NA	47.20	NA	NA	NA	3341.18	
MW-2	02/27/13	3388.38	59.32	NA	47.18	NA	NA	NA	3341.20	
MW-2	06/10/13	3388.38	59.32	NA	47.28	NA	NA	NA	3341.10	
MW-2	08/14/13	3388.38	59.32	NA	47.62	NA	NA	NA	3340.76	
MW-2	09/11/13	3388.38	59.32	NA	47.74	NA	NA	NA	3340.64	
MW-2	12/11/13	3388.38	59.32	NA	48.07	NA	NA	NA	3340.31	
MW-2	02/26/14	3388.38	59.32	NA	48.42	NA	NA	NA	3339.96	
MW-2	03/05/14	3388.38	59.32	NA	48.40	NA	NA	NA	3339.98	Sampled
MW-2	06/06/14	3388.38	59.32	NA	48.54	NA	NA	NA	3339.84	Sampled
MW-2	09/18/14	3388.38	59.33	NA	48.52	NA	NA	NA	3339.86	Sampled
MW-2	11/12/14	3388.38	59.33	NA	48.20	NA	NA	NA	3340.18	Sampled
MW-3	12/21/05	3388.62	59.69	NA	45.57	NA	NA	NA	3343.05	Sampled
MW-3	12/29/05	3388.62	NG	NA	45.52	NA	NA	NA	3343.10	
MW-3	01/05/06	3388.62	NG	NA	45.60	NA	NA	NA	3343.02	
MW-3	02/09/06	3388.62	NG	NA	45.41	NA	NA	NA	3343.21	
MW-3	02/22/06	3388.62	NG	NA	45.33	NA	NA	NA	3343.29	
MW-3	03/28/06	3388.62	59.70	NA	45.23	NA	NA	NA	3343.39	Sampled

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-3	04/13/06	3388.62	NG	NA	45.31	NA	NA	NA	3343.31	
MW-3	04/25/06	3388.62	NG	NA	45.30	NA	NA	NA	3343.32	
MW-3	05/03/06	3388.62	NG	NA	45.23	NA	NA	NA	3343.39	
MW-3	05/11/06	3388.62	NG	NA	45.36	NA	NA	NA	3343.26	
MW-3	05/24/06	3388.62	NG	NA	45.28	NA	NA	NA	3343.34	
MW-3	06/07/06	3388.62	NG	NA	45.28	NA	NA	NA	3343.34	
MW-3	06/15/06	3388.62	NG	NA	45.30	NA	NA	NA	3343.32	Sampled
MW-3	06/29/06	3388.62	NG	NA	45.39	NA	NA	NA	3343.23	
MW-3	07/11/06	3388.62	NG	NA	45.41	NA	NA	NA	3343.21	
MW-3	07/25/06	3388.62	NG	NA	45.50	NA	NA	NA	3343.12	
MW-3	08/09/06	3388.62	59.70	NA	45.57	NA	NA	NA	3343.05	
MW-3	08/22/06	3388.62	NG	NA	45.63	NA	NA	NA	3342.99	
MW-3	09/12/06	3388.62	59.68	NA	45.65	NA	NA	NA	3342.97	Sampled
MW-3	09/19/06	3388.62	NG	NA	45.69	NA	NA	NA	3342.93	
MW-3	10/03/06	3388.62	NG	NA	45.67	NA	NA	NA	3342.95	
MW-3	10/17/06	3388.62	NG	NA	45.62	NA	NA	NA	3343.00	
MW-3	10/31/06	3388.62	NG	NA	45.23	NA	NA	NA	3343.39	
MW-3	11/15/06	3388.62	NG	NA	45.57	NA	NA	NA	3343.05	
MW-3	12/06/06	3388.62	59.62	NA	45.45	NA	NA	NA	3343.17	Sampled
MW-3	12/13/06	3388.62	NG	NA	45.73	NA	NA	NA	3342.89	
MW-3	01/03/07	3388.62	NG	NA	45.32	NA	NA	NA	3343.30	
MW-3	01/09/07	3388.62	NG	NA	45.36	NA	NA	NA	3343.26	
MW-3	01/18/07	3388.62	NG	NA	45.29	NA	NA	NA	3343.33	
MW-3	01/25/07	3388.62	NG	NA	45.28	NA	NA	NA	3343.34	
MW-3	01/31/07	3388.62	NG	NA	45.20	NA	NA	NA	3343.42	
MW-3	02/07/07	3388.62	NG	NA	45.24	NA	NA	NA	3343.38	
MW-3	02/14/07	3388.62	NG	NA	45.27	NA	NA	NA	3343.35	
MW-3	03/01/07	3388.62	59.67	NA	45.20	NA	NA	NA	3343.42	Sampled
MW-3	05/03/07	3388.62	59.67	NA	45.08	NA	NA	NA	3343.54	
MW-3	05/31/07	3388.62	59.70	NA	45.10	NA	NA	NA	3343.52	Sampled
MW-3	06/06/07	3388.62	59.70	NA	45.08	NA	NA	NA	3343.54	
MW-3	07/05/07	3388.62	59.71	NA	45.19	NA	NA	NA	3343.43	
MW-3	07/31/07	3388.62	59.71	NA	45.21	NA	NA	NA	3343.41	
MW-3	09/06/07	3388.62	59.70	NA	45.42	NA	NA	NA	3343.20	Sampled
MW-3	10/04/07	3388.62	59.70	NA	45.37	NA	NA	NA	3343.25	
MW-3	11/13/07	3388.62	59.70	NA	45.38	NA	NA	NA	3343.24	Sampled
MW-3	12/05/07	3388.62	59.70	NA	45.34	NA	NA	NA	3343.28	
MW-3	01/09/08	3388.62	59.65	NA	45.34	NA	NA	NA	3343.28	
MW-3	02/06/08	3388.62	59.65	NA	45.35	NA	NA	NA	3343.27	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-3	02/27/08	3388.62	59.68	NA	45.30	NA	NA	NA	3343.32	Sampled
MW-3	04/02/08	3388.62	59.68	NA	45.28	NA	NA	NA	3343.34	
MW-3	05/22/08	3388.62	59.68	NA	45.24	NA	NA	NA	3343.38	Sampled
MW-3	06/26/08	3388.62	59.68	NA	45.32	NA	NA	NA	3343.30	
MW-3	07/07/08	3388.62	59.68	NA	45.72	NA	NA	NA	3342.90	
MW-3	08/20/08	3388.62	59.70	NA	45.35	NA	NA	NA	3343.27	Sampled
MW-3	10/15/08	3388.62	59.72	NA	45.82	NA	NA	NA	3342.80	
MW-3	11/19/08	3388.62	59.72	NA	45.66	NA	NA	NA	3342.96	Sampled
MW-3	12/21/08	3388.62	59.72	NA	45.75	NA	NA	NA	3342.87	
MW-3	01/07/09	3388.62	59.71	NA	45.66	NA	NA	NA	3342.96	
MW-3	02/04/09	3388.62	59.75	NA	45.56	NA	NA	NA	3343.06	
MW-3	02/17/09	3388.62	59.30	NA	45.39	NA	NA	NA	3343.23	Sampled
MW-3	03/04/09	3388.62	59.30	NA	45.46	NA	NA	NA	3343.16	
MW-3	04/08/09	3388.62	59.30	NA	45.51	NA	NA	NA	3343.11	
MW-3	05/06/09	3388.62	59.30	NA	45.70	NA	NA	NA	3342.92	
MW-3	05/19/09	3388.62	59.30	NA	45.70	NA	0.00	7.00	3342.92	Sampled
MW-3	06/03/09	3388.62	59.30	NA	45.70	NA	NA	NA	3342.92	
MW-3	07/15/09	3388.62	59.30	NA	45.75	NA	NA	NA	3342.87	
MW-3	08/05/09	3388.62	59.30	NA	45.62	NA	NA	NA	3343.00	
MW-3	08/26/09	3388.62	59.70	NA	45.75	NA	0.00	7.00	3342.87	Sampled
MW-3	09/02/09	3388.62	59.70	NA	45.75	NA	NA	NA	3342.87	
MW-3	10/07/09	3388.62	59.70	NA	45.67	NA	NA	NA	3342.95	
MW-3	11/04/09	3388.62	59.70	NA	45.64	NA	NA	NA	3342.98	
MW-3	11/17/09	3388.62	59.70	NA	45.66	NA	NA	NA	3342.96	Sampled
MW-3	12/02/09	3388.62	59.70	NA	45.60	NA	NA	NA	3343.02	
MW-3	01/06/10	3388.52	59.70	NA	45.74	NA	NA	NA	3342.78	
MW-3	02/09/10	3388.52	59.70	NA	45.95	NA	NA	NA	3342.57	Sampled
MW-3	03/10/10	3388.52	59.70	NA	45.98	NA	NA	NA	3342.54	
MW-3	04/07/10	3388.52	59.70	NA	46.05	NA	NA	NA	3342.47	
MW-3	05/05/10	3388.52	59.70	NA	46.14	NA	NA	NA	3342.38	
MW-3	05/12/10	3388.52	59.70	NA	46.15	NA	NA	NA	3342.37	Sampled
MW-3	06/02/10	3388.52	59.70	NA	45.91	NA	NA	NA	3342.61	
MW-3	07/07/10	3388.52	59.70	NA	45.72	NA	NA	NA	3342.80	
MW-3	08/03/10	3388.52	59.70	NA	45.95	NA	NA	NA	3342.57	
MW-3	08/26/10	3388.52	59.70	NA	45.94	NA	NA	NA	3342.58	Sampled
MW-3	09/01/10	3388.52	59.70	NA	45.84	NA	NA	NA	3342.68	
MW-3	10/13/10	3388.52	59.70	NA	45.93	NA	NA	NA	3342.59	
MW-3	11/18/10	3388.52	59.70	NA	46.20	NA	NA	NA	3342.32	Sampled
MW-3	11/23/10	3388.52	59.70	NA	46.22	NA	NA	NA	3342.30	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-3	12/08/10	3388.52	59.70	NA	46.24	NA	NA	NA	3342.28	
MW-3	01/12/11	3388.52	59.70	NA	46.27	NA	NA	NA	3342.25	
MW-3	02/08/11	3388.52	59.70	NA	46.17	NA	NA	NA	3342.35	
MW-3	02/24/11	3388.52	59.70	NA	46.11	NA	NA	NA	3342.41	Sampled
MW-3	03/08/11	3388.52	59.70	NA	46.19	NA	NA	NA	3342.33	
MW-3	04/13/11	3388.52	59.70	NA	46.30	NA	NA	NA	3342.22	
MW-3	05/31/11	3388.52	59.70	NA	46.57	NA	NA	NA	3341.95	Sampled
MW-3	07/06/11	3388.52	59.70	NA	46.65	NA	NA	NA	3341.87	
MW-3	08/29/11	3388.52	59.70	NA	47.18	NA	NA	NA	3341.34	Sampled
MW-3	09/14/11	3388.52	59.70	NA	47.19	NA	NA	NA	3341.33	
MW-3	10/12/11	3388.52	59.70	NA	47.29	NA	NA	NA	3341.23	
MW-3	11/28/11	3388.52	59.70	NA	47.32	NA	NA	NA	3341.20	Sampled
MW-3	12/27/11	3388.52	59.70	NA	47.39	NA	NA	NA	3341.13	
MW-3	01/18/12	3388.52	59.70	NA	47.15	NA	NA	NA	3341.37	
MW-3	02/02/12	3388.52	59.70	NA	47.01	NA	NA	NA	3341.51	
MW-3	02/15/12	3388.52	59.70	NA	47.00	NA	NA	NA	3341.52	
MW-3	02/22/12	3388.52	59.70	NA	46.90	NA	NA	NA	3341.62	
MW-3	04/20/12	3388.52	59.70	NA	46.99	NA	NA	NA	3341.53	
MW-3	05/22/12	3388.52	59.70	NA	47.25	NA	NA	NA	3341.27	
MW-3	07/18/12	3388.52	59.70	NA	47.73	NA	NA	NA	3340.79	Sampled
MW-3	09/11/12	3388.52	59.70	NA	47.57	NA	NA	NA	3340.95	
MW-3	10/16/12	3388.52	59.70	NA	47.54	NA	NA	NA	3340.98	
MW-3	11/26/12	3388.52	59.70	NA	47.55	NA	NA	NA	3340.97	
MW-3	12/11/12	3388.52	59.70	NA	47.53	NA	NA	NA	3340.99	
MW-3	02/27/13	3388.52	59.70	NA	47.50	NA	NA	NA	3341.02	
MW-3	06/10/13	3388.52	59.70	NA	47.60	NA	NA	NA	3340.92	
MW-3	08/14/13	3388.52	59.70	NA	47.99	NA	NA	NA	3340.53	
MW-3	09/11/13	3388.52	59.70	NA	48.09	NA	NA	NA	3340.43	
MW-3	12/11/13	3388.52	59.70	NA	48.44	NA	NA	NA	3340.08	
MW-3	02/26/14	3388.52	59.70	NA	48.80	NA	NA	NA	3339.72	
MW-3	03/05/14	3388.52	59.70	NA	48.75	NA	NA	NA	3339.77	Sampled
MW-3	06/06/14	3388.52	59.70	NA	48.94	NA	NA	NA	3339.58	Sampled
MW-3	09/18/14	3388.52	59.76	NA	48.86	NA	NA	NA	3339.66	Sampled
MW-3	11/12/14	3388.52	59.76	NA	48.50	NA	NA	NA	3340.02	Sampled
MW-4	03/21/06	3388.92	59.80	NA	46.12	NA	NA	NA	3342.80	
MW-4	03/28/06	3388.92	59.06	NA	46.03	NA	NA	NA	3342.89	Sampled
MW-4	04/13/06	3388.92	NG	NA	46.08	NA	NA	NA	3342.84	
MW-4	04/25/06	3388.92	NG	NA	46.01	NA	NA	NA	3342.91	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-4	05/03/06	3388.92	59.05	NA	46.01	NA	7.00	0.00	3342.91	
MW-4	05/03/06	3388.92	NG	NA	46.01	NA	NA	NA	3342.91	
MW-4	05/11/06	3388.92	NG	NA	46.07	NA	NA	NA	3342.85	
MW-4	05/24/06	3388.92	NG	NA	46.05	NA	NA	NA	3342.87	
MW-4	06/07/06	3388.92	NG	NA	46.03	NA	NA	NA	3342.89	
MW-4	06/15/06	3388.92	NG	NA	46.05	NA	NA	NA	3342.87	Sampled
MW-4	06/29/06	3388.92	NG	NA	46.15	NA	NA	NA	3342.77	
MW-4	07/11/06	3388.92	NG	NA	46.18	NA	NA	NA	3342.74	
MW-4	07/25/06	3388.92	NG	NA	46.24	NA	NA	NA	3342.68	
MW-4	08/09/06	3388.92	59.01	NA	46.33	NA	NA	NA	3342.59	
MW-4	08/22/06	3388.92	NG	NA	46.37	NA	NA	NA	3342.55	
MW-4	09/12/06	3388.92	59.01	NA	46.41	NA	NA	NA	3342.51	Sampled
MW-4	09/19/06	3388.92	59.01	NA	46.46	NA	NA	NA	3342.46	
MW-4	10/03/06	3388.92	59.01	NA	46.45	NA	NA	NA	3342.47	
MW-4	10/17/06	3388.92	NG	NA	46.38	NA	NA	NA	3342.54	
MW-4	10/31/06	3388.92	NG	NA	46.36	NA	NA	NA	3342.56	
MW-4	11/15/06	3388.92	NG	NA	46.78	NA	NA	NA	3342.14	
MW-4	12/06/06	3388.92	58.92	NA	46.25	NA	NA	NA	3342.67	Sampled
MW-4	12/13/06	3388.92	NG	NA	46.51	NA	NA	NA	3342.41	
MW-4	01/03/07	3388.92	NG	NA	46.06	NA	NA	NA	3342.86	
MW-4	01/09/07	3388.92	NG	NA	46.18	NA	NA	NA	3342.74	
MW-4	01/18/07	3388.92	NG	NA	46.10	NA	0.00	10.00	3342.82	Bailed 11 Min
MW-4	01/18/07	3388.92	NG	NA	46.15	NA	0.00	10.00	3342.77	Bailed 11 Min
MW-4	01/18/07	3388.92	NG	NA	46.10	NA	NA	NA	3342.82	
MW-4	01/25/07	3388.92	NG	NA	46.06	NA	NA	NA	3342.86	
MW-4	01/31/07	3388.92	NG	NA	45.98	NA	NA	NA	3342.94	
MW-4	02/07/07	3388.92	NG	NA	46.43	NA	NA	NA	3342.49	
MW-4	02/14/07	3388.92	NG	NA	46.46	NA	NA	NA	3342.46	
MW-4	03/01/07	3388.92	58.95	NA	45.98	NA	NA	NA	3342.94	Sampled
MW-4	05/03/07	3388.92	58.95	NA	45.90	NA	NA	NA	3343.02	
MW-4	05/31/07	3388.92	58.96	NA	45.92	NA	NA	NA	3343.00	Sampled
MW-4	06/06/07	3388.92	58.95	NA	45.88	NA	NA	NA	3343.04	
MW-4	07/05/07	3388.92	58.94	NA	45.98	NA	NA	NA	3342.94	
MW-4	07/31/07	3388.92	58.95	NA	46.00	NA	NA	NA	3342.92	
MW-4	09/07/07	3388.92	58.95	NA	46.10	NA	NA	NA	3342.82	Sampled
MW-4	09/13/07	3388.92	58.95	NA	46.27	NA	100.00	100.00	3342.65	
MW-4	09/13/07	3388.92	58.95	NA	46.88	NA	NA	NA	3342.04	
MW-4	09/18/07	3388.92	58.95	NA	46.11	NA	0.00	50.00	3342.81	
MW-4	09/18/07	3388.92	58.95	NA	46.60	NA	NA	NA	3342.32	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-4	09/26/07	3388.92	58.95	NA	46.16	NA	0.00	50.00	3342.76	
MW-4	09/26/07	3388.92	58.95	NA	46.73	NA	NA	NA	3342.19	
MW-4	10/04/07	3388.92	58.95	NA	46.15	NA	0.00	50.00	3342.77	
MW-4	10/04/07	3388.92	58.93	NA	46.99	NA	NA	NA	3341.93	
MW-4	10/10/07	3388.92	58.95	NA	46.21	NA	0.00	50.00	3342.71	
MW-4	10/10/07	3388.92	58.93	NA	46.92	NA	NA	NA	3342.00	
MW-4	10/17/07	3388.92	58.95	NA	46.20	NA	0.00	50.00	3342.72	
MW-4	10/17/07	3388.92	58.93	NA	46.74	NA	NA	NA	3342.18	
MW-4	10/24/07	3388.92	58.95	NA	45.25	NA	0.00	50.00	3343.67	
MW-4	10/24/07	3388.92	58.93	NA	45.30	NA	NA	NA	3343.62	
MW-4	11/07/07	3388.92	58.95	NA	46.27	NA	0.00	50.00	3342.65	
MW-4	11/07/07	3388.92	58.93	NA	46.30	NA	NA	NA	3342.62	
MW-4	11/13/07	3388.92	58.93	NA	46.20	NA	NA	NA	3342.72	Sampled
MW-4	12/05/07	3388.92	58.93	NA	46.15	NA	NA	NA	3342.77	
MW-4	01/09/08	3388.92	58.90	NA	46.12	NA	NA	NA	3342.80	
MW-4	02/06/08	3388.92	58.90	NA	46.16	NA	0.00	20.00	3342.76	
MW-4	02/06/08	3388.92	58.90	NA	46.16	NA	NA	NA	3342.76	
MW-4	02/13/08	3388.92	58.90	NA	46.11	NA	0.00	20.00	3342.81	
MW-4	02/13/08	3388.92	58.90	NA	46.11	NA	NA	NA	3342.81	
MW-4	02/19/08	3388.92	58.90	NA	46.11	NA	0.00	20.00	3342.81	
MW-4	02/19/08	3388.92	58.90	NA	46.13	NA	NA	NA	3342.79	
MW-4	02/27/08	3388.92	59.92	NA	46.11	NA	0.00	20.00	3342.81	Sampled
MW-4	02/27/08	3388.92	58.90	NA	46.14	NA	NA	NA	3342.78	
MW-4	03/04/08	3388.92	59.92	NA	46.10	NA	0.00	20.00	3342.82	
MW-4	03/04/08	3388.92	58.90	NA	46.13	NA	NA	NA	3342.79	
MW-4	03/12/08	3388.92	59.92	NA	46.08	NA	0.00	20.00	3342.84	
MW-4	03/12/08	3388.92	58.90	NA	46.10	NA	NA	NA	3342.82	
MW-4	03/19/08	3388.92	59.92	NA	46.11	NA	0.00	20.00	3342.81	
MW-4	03/19/08	3388.92	58.90	NA	46.12	NA	NA	NA	3342.80	
MW-4	03/26/08	3388.92	59.92	NA	46.05	NA	0.00	20.00	3342.87	
MW-4	03/26/08	3388.92	58.90	NA	46.07	NA	NA	NA	3342.85	
MW-4	04/02/08	3388.92	59.92	NA	46.07	NA	0.00	20.00	3342.85	
MW-4	04/02/08	3388.92	58.90	NA	46.03	NA	NA	NA	3342.89	
MW-4	04/09/08	3388.92	59.92	NA	45.99	NA	0.00	20.00	3342.93	
MW-4	04/09/08	3388.92	58.90	NA	45.96	NA	NA	NA	3342.96	
MW-4	04/16/08	3388.92	59.92	NA	45.98	NA	0.00	20.00	3342.94	
MW-4	04/16/08	3388.92	58.90	NA	45.96	NA	NA	NA	3342.96	
MW-4	04/24/08	3388.92	58.90	NA	45.96	NA	NA	NA	3342.96	
MW-4	04/30/08	3388.92	58.90	NA	45.93	NA	0.00	20.00	3342.99	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-4	04/30/08	3388.92	58.90	NA	45.95	NA	NA	NA	3342.97	
MW-4	05/07/08	3388.92	58.90	NA	45.94	NA	0.00	20.00	3342.98	
MW-4	05/07/08	3388.92	58.90	NA	45.94	NA	NA	NA	3342.98	
MW-4	05/14/08	3388.92	58.90	NA	45.95	NA	0.00	20.00	3342.97	
MW-4	05/14/08	3388.92	58.90	NA	45.96	NA	NA	NA	3342.96	
MW-4	05/22/08	3388.92	58.90	NA	45.99	NA	0.00	20.00	3342.93	Sampled
MW-4	05/22/08	3388.92	58.90	NA	45.99	NA	NA	NA	3342.93	
MW-4	05/29/08	3388.92	58.90	NA	46.00	NA	0.00	20.00	3342.92	
MW-4	05/29/08	3388.92	58.90	NA	46.01	NA	NA	NA	3342.91	
MW-4	06/04/08	3388.92	58.90	NA	46.03	NA	0.00	20.00	3342.89	
MW-4	06/04/08	3388.92	58.90	NA	46.02	NA	NA	NA	3342.90	
MW-4	06/11/08	3388.92	58.90	NA	46.07	NA	0.00	20.00	3342.85	
MW-4	06/11/08	3388.92	58.90	NA	46.09	NA	NA	NA	3342.83	
MW-4	06/18/08	3388.92	58.90	NA	46.08	NA	0.00	20.00	3342.84	
MW-4	06/18/08	3388.92	58.90	NA	46.10	NA	NA	NA	3342.82	
MW-4	06/26/08	3388.92	58.90	NA	46.10	NA	0.00	20.00	3342.82	
MW-4	06/26/08	3388.92	58.90	NA	46.13	NA	NA	NA	3342.79	
MW-4	07/07/08	3388.92	58.90	NA	46.14	NA	0.00	20.00	3342.78	
MW-4	07/07/08	3388.92	58.90	NA	46.15	NA	NA	NA	3342.77	
MW-4	07/16/08	3388.92	58.90	NA	46.15	NA	0.00	20.00	3342.77	
MW-4	07/16/08	3388.92	58.90	NA	46.17	NA	NA	NA	3342.75	
MW-4	07/21/08	3388.92	58.90	NA	46.15	NA	0.00	20.00	3342.77	
MW-4	07/21/08	3388.92	58.90	NA	46.16	NA	NA	NA	3342.76	
MW-4	07/29/08	3388.92	58.90	NA	46.16	NA	0.00	20.00	3342.76	
MW-4	07/29/08	3388.92	58.90	NA	46.16	NA	NA	NA	3342.76	
MW-4	08/06/08	3388.92	58.90	NA	46.17	NA	NA	NA	3342.75	
MW-4	08/13/08	3388.92	58.90	NA	46.16	NA	0.00	20.00	3342.76	
MW-4	08/13/08	3388.92	58.90	NA	46.17	NA	NA	NA	3342.75	
MW-4	08/20/08	3388.92	58.93	NA	46.20	NA	NA	NA	3342.72	Sampled
MW-4	08/27/08	3388.92	58.93	NA	47.22	NA	0.00	20.00	3341.70	
MW-4	08/27/08	3388.92	58.93	NA	47.24	NA	NA	NA	3341.68	
MW-4	09/02/08	3388.92	58.93	NA	47.24	NA	0.00	20.00	3341.68	
MW-4	09/02/08	3388.92	58.93	NA	47.24	NA	NA	NA	3341.68	
MW-4	09/09/08	3388.92	58.93	NA	47.24	NA	0.00	40.00	3341.68	
MW-4	09/09/08	3388.92	58.93	NA	47.26	NA	NA	NA	3341.66	
MW-4	09/17/08	3388.92	58.93	NA	47.26	NA	0.00	20.00	3341.66	
MW-4	09/17/08	3388.92	58.93	NA	47.27	NA	NA	NA	3341.65	
MW-4	09/24/08	3388.92	58.93	NA	46.49	NA	0.00	20.00	3342.43	
MW-4	09/24/08	3388.92	58.93	NA	46.51	NA	NA	NA	3342.41	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-4	10/01/08	3388.92	58.93	NA	46.48	NA	0.00	20.00	3342.44	
MW-4	10/01/08	3388.92	58.93	NA	46.50	NA	NA	NA	3342.42	
MW-4	10/08/08	3388.92	58.93	NA	46.58	NA	0.00	20.00	3342.34	
MW-4	10/08/08	3388.92	58.93	NA	46.58	NA	NA	NA	3342.34	
MW-4	11/05/08	3388.92	58.93	NA	46.46	NA	0.00	10.00	3342.46	
MW-4	11/05/08	3388.92	58.93	NA	47.57	NA	NA	NA	3341.35	
MW-4	11/12/08	3388.92	58.93	NA	46.44	NA	NA	NA	3342.48	
MW-4	11/19/08	3388.92	58.93	NA	46.46	NA	NA	NA	3342.46	Sampled
MW-4	11/26/08	3388.92	58.93	NA	46.47	NA	0.00	20.00	3342.45	
MW-4	11/26/08	3388.92	58.93	NA	46.49	NA	NA	NA	3342.43	
MW-4	12/03/08	3388.92	58.93	NA	46.52	NA	0.00	20.00	3342.40	
MW-4	12/03/08	3388.92	58.93	NA	46.58	NA	NA	NA	3342.34	
MW-4	12/10/08	3388.92	58.93	NA	46.55	NA	0.00	20.00	3342.37	
MW-4	12/10/08	3388.92	58.93	NA	46.55	NA	NA	NA	3342.37	
MW-4	12/17/08	3388.92	58.93	NA	46.51	NA	0.00	15.00	3342.41	
MW-4	12/17/08	3388.92	58.93	NA	46.54	NA	NA	NA	3342.38	
MW-4	12/21/08	3388.92	58.93	NA	46.57	NA	0.00	20.00	3342.35	
MW-4	12/21/08	3388.92	58.93	NA	46.58	NA	NA	NA	3342.34	
MW-4	12/31/08	3388.92	58.93	NA	46.57	NA	0.00	20.00	3342.35	
MW-4	12/31/08	3388.92	58.93	NA	46.57	NA	NA	NA	3342.35	
MW-4	01/07/09	3388.92	58.93	NA	46.49	NA	0.00	20.00	3342.43	
MW-4	01/07/09	3388.92	58.93	NA	46.51	NA	NA	NA	3342.41	
MW-4	01/15/09	3388.92	58.93	NA	46.49	NA	0.00	15.00	3342.43	
MW-4	01/15/09	3388.92	58.93	NA	46.51	NA	NA	NA	3342.41	
MW-4	01/22/09	3388.92	58.93	NA	46.43	NA	0.00	12.00	3342.49	
MW-4	01/22/09	3388.92	58.93	NA	46.45	NA	NA	NA	3342.47	
MW-4	01/28/09	3388.92	58.93	NA	46.41	NA	0.00	15.00	3342.51	
MW-4	01/28/09	3388.92	58.93	NA	46.43	NA	NA	NA	3342.49	
MW-4	02/04/09	3388.92	58.99	NA	46.39	NA	0.00	10.00	3342.53	
MW-4	02/04/09	3388.92	58.99	NA	46.41	NA	NA	NA	3342.51	
MW-4	02/11/09	3388.92	58.99	NA	46.35	NA	0.00	20.00	3342.57	
MW-4	02/11/09	3388.92	58.99	NA	46.36	NA	NA	NA	3342.56	
MW-4	02/17/09	3388.92	58.92	NA	46.23	NA	NA	NA	3342.69	Sample
MW-4	02/25/09	3388.92	58.92	NA	46.29	NA	0.00	20.00	3342.63	
MW-4	02/25/09	3388.92	58.92	NA	46.31	NA	NA	NA	3342.61	
MW-4	03/04/09	3388.92	58.92	NA	46.30	NA	0.00	20.00	3342.62	
MW-4	03/04/09	3388.92	58.92	NA	46.35	NA	NA	NA	3342.57	
MW-4	03/11/09	3388.92	58.92	NA	46.38	NA	0.00	20.00	3342.54	
MW-4	03/11/09	3388.92	58.92	NA	46.41	NA	NA	NA	3342.51	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-4	03/18/09	3388.92	58.92	NA	46.33	NA	0.00	20.00	3342.59	
MW-4	03/18/09	3388.92	58.92	NA	46.45	NA	NA	NA	3342.47	
MW-4	03/25/09	3388.92	58.92	NA	46.37	NA	0.00	20.00	3342.55	
MW-4	03/25/09	3388.92	58.92	NA	46.42	NA	NA	NA	3342.50	
MW-4	04/01/09	3388.92	58.92	NA	46.33	NA	0.00	20.00	3342.59	
MW-4	04/01/09	3388.92	58.92	NA	46.35	NA	NA	NA	3342.57	
MW-4	04/15/09	3388.92	58.92	NA	46.38	NA	0.00	20.00	3342.54	
MW-4	04/15/09	3388.92	58.92	NA	46.35	NA	NA	NA	3342.57	
MW-4	04/22/09	3388.92	58.92	NA	46.34	NA	0.00	20.00	3342.58	
MW-4	04/22/09	3388.92	58.92	NA	46.34	NA	NA	NA	3342.58	
MW-4	04/29/09	3388.92	58.92	NA	46.44	NA	0.00	20.00	3342.48	
MW-4	04/29/09	3388.92	58.92	NA	46.47	NA	NA	NA	3342.45	
MW-4	05/06/09	3388.92	58.92	NA	46.48	NA	0.00	20.00	3342.44	
MW-4	05/06/09	3388.92	58.92	NA	46.59	NA	NA	NA	3342.33	
MW-4	05/14/09	3388.92	58.92	NA	46.50	NA	0.00	20.00	3342.42	
MW-4	05/14/09	3388.92	58.92	NA	46.51	NA	NA	NA	3342.41	
MW-4	05/19/09	3388.92	58.92	NA	46.50	NA	NA	6.00	3342.42	Sampled
MW-4	05/28/09	3388.92	58.92	NA	46.48	NA	0.00	20.00	3342.44	
MW-4	05/28/09	3388.92	58.92	NA	46.52	NA	NA	NA	3342.40	
MW-4	06/03/09	3388.92	58.92	NA	46.50	NA	0.00	20.00	3342.42	
MW-4	06/03/09	3388.92	58.92	NA	46.52	NA	NA	NA	3342.40	
MW-4	06/11/09	3388.92	58.92	NA	46.47	NA	0.00	20.00	3342.45	
MW-4	06/11/09	3388.92	58.92	NA	46.50	NA	NA	NA	3342.42	
MW-4	06/17/09	3388.92	58.92	NA	46.62	NA	0.00	20.00	3342.30	
MW-4	06/17/09	3388.92	58.92	NA	46.65	NA	NA	NA	3342.27	
MW-4	06/23/09	3388.92	58.92	NA	46.62	NA	0.00	20.00	3342.30	
MW-4	06/23/09	3388.92	58.92	NA	46.70	NA	NA	NA	3342.22	
MW-4	07/01/09	3388.92	58.92	NA	46.58	NA	0.00	20.00	3342.34	
MW-4	07/01/09	3388.92	58.92	NA	46.58	NA	NA	NA	3342.34	
MW-4	07/07/09	3388.28	59.32	NA	46.54	NA	0.00	20.00	3341.74	
MW-4	07/07/09	3388.28	59.32	NA	46.56	NA	NA	NA	3341.72	
MW-4	07/15/09	3388.92	58.92	NA	46.55	NA	0.00	20.00	3342.37	
MW-4	07/15/09	3388.92	58.92	NA	46.55	NA	NA	NA	3342.37	
MW-4	07/29/09	3388.92	58.92	NA	46.49	NA	0.00	20.00	3342.43	
MW-4	07/29/09	3388.92	58.92	NA	46.47	NA	NA	NA	3342.45	
MW-4	08/05/09	3388.92	58.92	NA	46.42	NA	0.00	20.00	3342.50	
MW-4	08/05/09	3388.92	58.92	NA	46.92	NA	NA	NA	3342.00	
MW-4	08/12/09	3388.92	58.92	NA	46.48	NA	0.00	20.00	3342.44	
MW-4	08/12/09	3388.92	58.92	NA	46.68	NA	NA	NA	3342.24	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-4	08/19/09	3388.92	58.92	NA	46.46	NA	0.00	20.00	3342.46	
MW-4	08/19/09	3388.92	58.92	NA	46.50	NA	NA	NA	3342.42	
MW-4	08/26/09	3388.92	58.90	NA	46.53	NA	0.00	6.00	3342.39	Sampled
MW-4	09/02/09	3388.92	58.90	NA	46.55	NA	0.00	20.00	3342.37	
MW-4	09/02/09	3388.92	58.90	NA	46.60	NA	NA	NA	3342.32	
MW-4	09/09/09	3388.92	58.90	NA	46.50	NA	0.00	20.00	3342.42	
MW-4	09/09/09	3388.92	58.90	NA	46.51	NA	NA	NA	3342.41	
MW-4	09/16/09	3388.92	58.90	NA	46.51	NA	0.00	20.00	3342.41	
MW-4	09/16/09	3388.92	58.90	NA	46.53	NA	NA	NA	3342.39	
MW-4	09/23/09	3388.92	58.90	NA	46.48	NA	0.00	20.00	3342.44	
MW-4	09/23/09	3388.92	58.90	NA	46.50	NA	NA	NA	3342.42	
MW-4	09/30/09	3388.92	58.90	NA	46.47	NA	0.00	20.00	3342.45	
MW-4	09/30/09	3388.92	58.90	NA	46.48	NA	NA	NA	3342.44	
MW-4	10/07/09	3388.92	58.90	NA	46.47	NA	0.00	20.00	3342.45	
MW-4	10/07/09	3388.92	58.90	NA	46.48	NA	NA	NA	3342.44	
MW-4	10/12/09	3388.92	58.90	NA	46.43	NA	0.00	20.00	3342.49	
MW-4	10/12/09	3388.92	58.90	NA	46.49	NA	NA	NA	3342.43	
MW-4	10/29/09	3388.92	58.90	NA	46.41	NA	0.00	20.00	3342.51	
MW-4	10/29/09	3388.92	58.90	NA	46.42	NA	NA	NA	3342.50	
MW-4	11/04/09	3388.92	58.90	NA	46.44	NA	0.00	20.00	3342.48	
MW-4	11/04/09	3388.92	58.90	NA	46.45	NA	NA	NA	3342.47	
MW-4	11/17/09	3388.92	58.90	NA	46.43	NA	0.00	20.00	3342.49	Sampled
MW-4	11/25/09	3388.92	58.90	NA	46.43	NA	0.00	20.00	3342.49	
MW-4	11/25/09	3388.92	58.90	NA	46.43	NA	NA	NA	3342.49	
MW-4	12/02/09	3388.92	58.90	NA	46.39	NA	0.00	20.00	3342.53	
MW-4	12/02/09	3388.92	58.90	NA	46.40	NA	NA	NA	3342.52	
MW-4	12/09/09	3388.92	58.90	NA	46.42	NA	0.00	20.00	3342.50	
MW-4	12/09/09	3388.92	58.90	NA	46.41	NA	NA	NA	3342.51	
MW-4	12/16/09	3388.92	58.90	NA	46.46	NA	0.00	20.00	3342.46	
MW-4	12/16/09	3388.92	58.90	NA	46.40	NA	NA	NA	3342.52	
MW-4	12/23/09	3388.92	58.90	NA	46.39	NA	0.00	20.00	3342.53	
MW-4	12/23/09	3388.92	58.90	NA	46.42	NA	NA	NA	3342.50	
MW-4	12/30/09	3388.92	58.90	NA	46.39	NA	0.00	20.00	3342.53	
MW-4	12/30/09	3388.92	58.90	NA	46.42	NA	NA	NA	3342.50	
MW-4	01/06/10	3388.92	58.90	NA	46.49	NA	0.00	20.00	3342.43	
MW-4	01/06/10	3388.92	58.90	NA	46.51	NA	NA	NA	3342.41	
MW-4	01/13/10	3388.92	58.90	NA	46.57	NA	0.00	20.00	3342.35	
MW-4	01/13/10	3388.92	58.90	NA	46.60	NA	NA	NA	3342.32	
MW-4	01/20/10	3388.92	58.90	NA	46.60	NA	0.00	20.00	3342.32	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-4	01/20/10	3388.92	58.90	NA	46.61	NA	NA	NA	3342.31	
MW-4	01/27/10	3388.92	58.90	NA	46.66	NA	0.00	20.00	3342.26	
MW-4	01/27/10	3388.92	58.90	NA	46.67	NA	NA	NA	3342.25	
MW-4	02/09/10	3388.92	58.90	NA	46.72	NA	0.00	20.00	3342.20	Sampled
MW-4	02/09/10	3388.92	58.90	NA	46.75	NA	NA	NA	3342.17	
MW-4	02/17/10	3388.92	58.90	NA	46.67	NA	0.00	20.00	3342.25	
MW-4	02/17/10	3388.92	58.90	NA	46.68	NA	NA	NA	3342.24	
MW-4	03/02/10	3388.92	58.90	NA	46.76	NA	0.00	20.00	3342.16	
MW-4	03/02/10	3388.92	58.90	NA	46.78	NA	NA	NA	3342.14	
MW-4	03/10/10	3388.92	58.90	NA	46.71	NA	0.00	20.00	3342.21	
MW-4	03/10/10	3388.92	58.90	NA	46.74	NA	NA	NA	3342.18	
MW-4	03/17/10	3388.92	58.90	NA	46.80	NA	0.00	20.00	3342.12	
MW-4	03/17/10	3388.92	58.90	NA	46.81	NA	NA	NA	3342.11	
MW-4	03/24/10	3388.92	58.90	NA	46.80	NA	0.00	20.00	3342.12	
MW-4	03/24/10	3388.92	58.90	NA	46.85	NA	NA	NA	3342.07	
MW-4	03/31/10	3388.92	58.90	NA	46.74	NA	0.00	20.00	3342.18	
MW-4	03/31/10	3388.92	58.90	NA	46.75	NA	NA	NA	3342.17	
MW-4	04/07/10	3388.92	58.90	NA	46.78	NA	0.00	20.00	3342.14	
MW-4	04/07/10	3388.92	58.90	NA	46.80	NA	NA	NA	3342.12	
MW-4	04/14/10	3388.92	58.90	NA	46.82	NA	0.00	20.00	3342.10	
MW-4	04/14/10	3388.92	58.90	NA	46.83	NA	NA	NA	3342.09	
MW-4	04/21/10	3388.92	58.90	NA	46.78	NA	0.00	20.00	3342.14	
MW-4	04/21/10	3388.92	58.90	NA	46.80	NA	NA	NA	3342.12	
MW-4	04/28/10	3388.92	58.90	NA	46.80	NA	0.00	20.00	3342.12	
MW-4	04/28/10	3388.92	58.90	NA	46.81	NA	NA	NA	3342.11	
MW-4	05/05/10	3388.92	58.90	NA	46.87	NA	0.00	20.00	3342.05	
MW-4	05/05/10	3388.92	58.90	NA	46.90	NA	NA	NA	3342.02	
MW-4	05/12/10	3388.92	58.90	NA	46.86	NA	NA	NA	3342.06	Sampled
MW-4	05/19/10	3388.92	58.90	NA	46.84	NA	0.00	20.00	3342.08	
MW-4	05/19/10	3388.92	58.90	NA	46.85	NA	NA	NA	3342.07	
MW-4	05/29/10	3388.92	58.90	NA	46.70	NA	0.00	20.00	3342.22	
MW-4	05/29/10	3388.92	58.90	NA	46.73	NA	NA	NA	3342.19	
MW-4	06/02/10	3388.92	58.90	NA	46.69	NA	NA	NA	3342.23	
MW-4	06/12/10	3388.92	58.90	NA	46.63	NA	0.00	20.00	3342.29	
MW-4	06/12/10	3388.92	58.90	NA	46.63	NA	NA	NA	3342.29	
MW-4	06/15/10	3388.92	58.90	NA	46.52	NA	0.00	20.00	3342.40	
MW-4	06/15/10	3388.92	58.90	NA	46.54	NA	NA	NA	3342.38	
MW-4	06/25/10	3388.92	58.90	NA	46.58	NA	0.00	20.00	3342.34	
MW-4	06/25/10	3388.92	58.90	NA	46.59	NA	NA	NA	3342.33	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-4	06/30/10	3388.92	58.90	NA	46.55	NA	NA	NA	3342.37	
MW-4	07/07/10	3388.92	58.90	NA	46.52	NA	0.00	20.00	3342.40	
MW-4	07/07/10	3388.92	58.90	NA	46.54	NA	NA	NA	3342.38	
MW-4	07/14/10	3388.92	58.90	NA	46.51	NA	0.00	20.00	3342.41	
MW-4	07/14/10	3388.92	58.90	NA	46.51	NA	NA	NA	3342.41	
MW-4	07/29/10	3388.92	58.90	NA	46.68	NA	0.00	20.00	3342.24	
MW-4	07/28/10	3388.92	58.90	NA	46.69	NA	NA	NA	3342.23	
MW-4	08/03/10	3388.92	58.90	NA	46.67	NA	0.00	20.00	3342.25	
MW-4	08/03/10	3388.92	58.90	NA	46.68	NA	NA	NA	3342.24	
MW-4	08/17/10	3388.92	58.90	NA	46.83	NA	0.00	20.00	3342.09	
MW-4	08/17/10	3388.92	58.90	NA	46.83	NA	NA	NA	3342.09	
MW-4	08/25/10	3388.92	58.90	NA	46.72	NA	0.00	20.00	3342.20	
MW-4	08/25/10	3388.92	58.90	NA	46.74	NA	NA	NA	3342.18	
MW-4	08/26/10	3388.92	58.90	NA	46.77	NA	NA	NA	3342.15	Sampled
MW-4	09/01/10	3388.92	58.90	NA	46.62	NA	0.00	20.00	3342.30	
MW-4	09/01/10	3388.92	58.90	NA	46.67	NA	NA	NA	3342.25	
MW-4	09/08/10	3388.92	58.90	NA	46.77	NA	0.00	20.00	3342.15	
MW-4	09/08/10	3388.92	58.90	NA	46.79	NA	NA	NA	3342.13	
MW-4	09/15/10	3388.92	58.90	NA	46.84	NA	0.00	20.00	3342.08	
MW-4	09/15/10	3388.92	58.90	NA	46.87	NA	NA	NA	3342.05	
MW-4	09/21/10	3388.92	58.90	NA	46.76	NA	0.00	20.00	3342.16	
MW-4	09/21/10	3388.92	58.90	NA	46.75	NA	NA	NA	3342.17	
MW-4	10/01/10	3388.92	58.90	NA	46.71	NA	0.00	20.00	3342.21	
MW-4	10/01/10	3388.92	58.90	NA	46.74	NA	NA	NA	3342.18	
MW-4	10/06/10	3388.92	58.90	NA	46.69	NA	0.00	20.00	3342.23	
MW-4	10/06/10	3388.92	58.90	NA	46.71	NA	NA	NA	3342.21	
MW-4	10/13/10	3388.92	58.90	NA	46.69	NA	0.00	20.00	3342.23	
MW-4	10/13/10	3388.92	58.90	NA	46.72	NA	NA	NA	3342.20	
MW-4	10/27/10	3388.92	58.90	NA	46.83	NA	0.00	20.00	3342.09	
MW-4	10/27/10	3388.92	58.90	NA	46.83	NA	NA	NA	3342.09	
MW-4	11/03/10	3388.92	58.90	NA	46.81	NA	0.00	20.00	3342.11	
MW-4	11/03/10	3388.92	58.90	NA	46.86	NA	NA	NA	3342.06	
MW-4	11/10/10	3388.92	58.90	NA	46.84	NA	0.00	20.00	3342.08	
MW-4	11/10/10	3388.92	58.90	NA	46.85	NA	NA	NA	3342.07	
MW-4	11/18/10	3388.92	58.90	NA	46.92	NA	NA	NA	3342.00	Sampled
MW-4	11/23/10	3388.92	58.90	NA	46.91	NA	0.00	10.00	3342.01	
MW-4	11/23/10	3388.92	58.90	NA	46.92	NA	NA	NA	3342.00	
MW-4	12/01/10	3388.92	58.90	NA	46.92	NA	0.00	20.00	3342.00	
MW-4	12/01/10	3388.92	58.90	NA	46.96	NA	NA	NA	3341.96	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-4	12/08/10	3388.92	58.90	NA	46.96	NA	NA	NA	3341.96	
MW-4	12/15/10	3388.92	58.90	NA	46.92	NA	0.00	20.00	3342.00	
MW-4	12/15/10	3388.92	58.90	NA	46.93	NA	NA	NA	3341.99	
MW-4	12/21/10	3388.92	58.90	NA	46.99	NA	0.00	20.00	3341.93	
MW-4	12/21/10	3388.92	58.90	NA	47.01	NA	NA	NA	3341.91	
MW-4	01/12/11	3388.92	58.90	ND	46.98	ND	0.00	20.00	3341.94	
MW-4	01/12/11	3388.92	58.90	ND	47.00	ND	NA	NA	3341.92	
MW-4	01/19/11	3388.92	58.90	NA	DNG	NA	0.00	20.00	DNG	
MW-4	01/19/11	3388.92	58.90	NA	DNG	NA	NA	NA	DNG	
MW-4	01/25/11	3388.92	58.90	ND	46.97	ND	0.00	30.00	3341.95	
MW-4	01/25/11	3388.92	58.90	ND	46.98	ND	NA	NA	3341.94	
MW-4	02/08/11	3388.92	58.90	ND	46.88	ND	0.00	15.00	3342.04	
MW-4	02/08/11	3388.92	58.90	ND	46.90	ND	NA	NA	3342.02	
MW-4	02/24/11	3388.92	58.90	NA	46.84	NA	NA	NA	3342.08	Sampled
MW-4	03/02/11	3388.92	58.90	ND	46.83	ND	0.00	20.00	3342.09	
MW-4	03/02/11	3388.92	58.90	ND	46.84	ND	NA	NA	3342.08	
MW-4	03/08/11	3388.92	58.90	NA	46.90	NA	0.00	20.00	3342.02	
MW-4	03/08/11	3388.92	58.90	NA	46.93	NA	NA	NA	3341.99	
MW-4	03/23/11	3388.92	58.90	NA	47.06	NA	0.00	20.00	3341.86	
MW-4	03/23/11	3388.92	58.90	NA	47.07	NA	NA	NA	3341.85	
MW-4	04/13/11	3388.92	58.90	NA	47.00	NA	NA	NA	3341.92	
MW-4	05/04/11	3388.92	58.90	NA	47.10	NA	0.00	20.00	3341.82	
MW-4	05/04/11	3388.92	58.90	NA	47.11	NA	NA	NA	3341.81	
MW-4	05/31/11	3388.92	58.90	NA	47.27	NA	NA	NA	3341.65	Sampled
MW-4	07/06/11	3388.92	58.90	NA	47.34	NA	NA	NA	3341.58	
MW-4	08/29/11	3388.92	58.90	NA	47.83	NA	NA	NA	3341.09	Sampled
MW-4	09/14/11	3388.92	58.90	NA	47.86	NA	NA	NA	3341.06	
MW-4	10/12/11	3388.92	58.90	NA	47.95	NA	NA	NA	3340.97	
MW-4	11/28/11	3388.92	58.90	NA	47.98	NA	NA	NA	3340.94	Sampled
MW-4	12/07/11	3388.92	58.90	48.94	58.58	9.64	NA	NA	3338.53	Sampled
MW-4	12/27/11	3388.92	58.90	NA	48.03	NA	NA	NA	3340.89	
MW-4	01/18/12	3388.92	58.90	NA	47.84	NA	NA	NA	3341.08	
MW-4	02/02/12	3388.92	58.90	NA	47.76	NA	NA	NA	3341.16	
MW-4	02/15/12	3388.92	58.90	NA	47.77	NA	NA	NA	3341.15	
MW-4	02/22/12	3388.92	58.90	NA	47.67	NA	NA	NA	3341.25	
MW-4	04/20/12	3388.92	58.90	NA	47.65	NA	NA	NA	3341.27	
MW-4	05/22/12	3388.92	58.90	NA	47.93	NA	NA	NA	3340.99	
MW-4	07/18/12	3388.92	58.90	NA	48.42	NA	NA	NA	3340.50	
MW-4	07/25/12	3388.92	58.90	NA	48.47	NA	NA	NA	3340.45	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-4	07/25/12	3388.92	58.90	NA	48.50	NA	NA	NA	3340.42	
MW-4	09/11/12	3388.92	58.90	NA	48.35	NA	NA	NA	3340.57	
MW-4	10/16/12	3388.92	58.90	NA	48.33	NA	NA	NA	3340.59	
MW-4	11/26/12	3388.92	58.90	NA	48.35	NA	NA	NA	3340.57	
MW-4	12/11/12	3388.92	58.90	NA	48.54	NA	NA	NA	3340.38	
MW-4	02/27/13	3388.92	58.90	NA	48.30	NA	NA	NA	3340.62	
MW-4	06/10/13	3388.92	58.90	NA	48.41	NA	NA	NA	3340.51	
MW-4	08/14/13	3388.92	58.90	NA	48.75	NA	NA	NA	3340.17	
MW-4	09/11/13	3388.92	58.90	NA	48.87	NA	NA	NA	3340.05	
MW-4	12/11/13	3388.92	58.90	NA	49.24	NA	NA	NA	3339.68	
MW-4	02/26/14	3388.92	58.90	NA	49.60	NA	NA	NA	3339.32	
MW-4	03/05/14	3388.92	58.90	NA	49.56	NA	NA	NA	3339.36	Sampled
MW-4	06/06/14	3388.92	58.90	NA	49.75	NA	NA	NA	3339.17	Sampled
MW-4	09/18/14	3388.92	58.91	NA	49.69	NA	NA	NA	3339.23	Sampled
MW-4	11/12/14	3388.92	58.91	NA	49.36	NA	NA	NA	3339.56	Sampled
MW-5	03/21/06	3389.40	59.27	NA	46.50	NA	NA	NA	3342.90	
MW-5	03/28/06	3389.40	59.27	NA	46.44	NA	NA	NA	3342.96	Sampled
MW-5	04/13/06	3389.40	NG	NA	46.48	NA	NA	NA	3342.92	
MW-5	04/25/06	3389.40	NG	NA	46.47	NA	NA	NA	3342.93	
MW-5	05/03/06	3389.40	NG	NA	46.41	NA	NA	NA	3342.99	
MW-5	05/11/06	3389.40	NG	NA	46.47	NA	NA	NA	3342.93	
MW-5	05/24/06	3389.40	NG	NA	46.46	NA	NA	NA	3342.94	
MW-5	06/07/06	3389.40	NG	NA	46.44	NA	NA	NA	3342.96	
MW-5	06/15/06	3389.40	NG	NA	46.48	NA	NA	NA	3342.92	Sampled
MW-5	06/29/06	3389.40	NG	NA	46.56	NA	NA	NA	3342.84	
MW-5	07/11/06	3389.40	NG	NA	46.51	NA	NA	NA	3342.89	
MW-5	07/25/06	3389.40	NG	NA	46.63	NA	NA	NA	3342.77	
MW-5	08/09/06	3389.40	59.10	NA	46.68	NA	NA	NA	3342.72	
MW-5	08/22/06	3389.40	NG	NA	46.77	NA	NA	NA	3342.63	
MW-5	09/12/06	3389.40	59.24	NA	46.84	NA	NA	NA	3342.56	Sampled
MW-5	09/19/06	3389.40	59.24	NA	46.86	NA	NA	NA	3342.54	
MW-5	10/03/06	3389.40	59.24	NA	46.85	NA	NA	NA	3342.55	
MW-5	10/17/06	3389.40	NG	NA	46.80	NA	NA	NA	3342.60	
MW-5	10/31/06	3389.40	NG	NA	46.79	NA	NA	NA	3342.61	
MW-5	11/15/06	3389.40	NG	NA	46.35	NA	NA	NA	3343.05	
MW-5	12/06/06	3389.40	59.20	NA	46.65	NA	NA	NA	3342.75	Sampled
MW-5	12/13/06	3389.40	NG	NA	46.71	NA	NA	NA	3342.69	
MW-5	01/03/07	3389.40	NG	NA	46.55	NA	NA	NA	3342.85	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-5	01/09/07	3389.40	NG	NA	46.60	NA	NA	NA	3342.80	
MW-5	01/18/07	3389.40	NG	NA	46.51	NA	NA	NA	3342.89	
MW-5	01/25/07	3389.40	NG	NA	46.47	NA	NA	NA	3342.93	
MW-5	01/31/07	3389.40	NG	NA	46.39	NA	NA	NA	3343.01	
MW-5	02/07/07	3389.40	NG	NA	46.02	NA	NA	NA	3343.38	
MW-5	02/14/07	3389.40	NG	NA	46.05	NA	NA	NA	3343.35	
MW-5	03/01/07	3389.40	59.15	NA	46.35	NA	NA	NA	3343.05	Sampled
MW-5	05/31/07	3389.40	59.13	NA	46.35	NA	NA	NA	3343.05	Sampled
MW-5	06/06/07	3389.40	59.13	NA	46.30	NA	NA	NA	3343.10	
MW-5	07/05/07	3389.40	59.24	NA	46.44	NA	NA	NA	3342.96	
MW-5	07/31/07	3389.40	59.23	NA	46.48	NA	NA	NA	3342.92	
MW-5	09/06/07	3389.40	59.23	NA	46.57	NA	NA	NA	3342.83	Sampled
MW-5	10/04/07	3389.40	59.25	NA	46.67	NA	NA	NA	3342.73	
MW-5	11/13/07	3389.40	59.16	NA	46.65	NA	NA	NA	3342.75	Sampled
MW-5	12/05/07	3389.40	59.16	NA	46.60	NA	NA	NA	3342.80	
MW-5	01/09/08	3389.40	59.12	NA	46.60	NA	NA	NA	3342.80	
MW-5	02/06/08	3389.40	59.12	NA	46.63	NA	NA	NA	3342.77	
MW-5	02/27/08	3389.40	59.12	NA	46.61	NA	NA	NA	3342.79	Sampled
MW-5	04/02/08	3389.40	59.12	NA	46.58	NA	NA	NA	3342.82	
MW-5	05/22/08	3389.40	59.12	NA	47.14	NA	NA	NA	3342.26	Sampled
MW-5	06/26/08	3389.40	59.12	NA	47.18	NA	NA	NA	3342.22	
MW-5	07/07/08	3389.40	59.12	NA	46.53	NA	NA	NA	3342.87	
MW-5	08/20/08	3389.40	59.11	NA	46.60	NA	NA	NA	3342.80	Sampled
MW-5	10/15/08	3389.40	59.16	NA	47.06	NA	NA	NA	3342.34	
MW-5	11/19/08	3389.40	59.16	NA	46.89	NA	NA	NA	3342.51	Sampled
MW-5	12/21/08	3389.40	59.16	NA	46.99	NA	NA	NA	3342.41	
MW-5	01/07/09	3389.40	59.11	NA	46.87	NA	NA	NA	3342.53	
MW-5	02/04/09	3389.40	59.17	NA	46.84	NA	NA	NA	3342.56	
MW-5	02/17/09	3389.40	59.12	NA	46.68	NA	NA	NA	3342.72	Sampled
MW-5	03/04/09	3389.40	59.12	NA	46.69	NA	NA	NA	3342.71	
MW-5	04/08/09	3389.40	59.12	NA	46.77	NA	NA	NA	3342.63	
MW-5	05/06/09	3389.40	59.12	NA	46.93	NA	NA	NA	3342.47	
MW-5	05/19/09	3389.40	59.12	NA	46.96	NA	NA	NA	3342.44	Sampled
MW-5	06/03/09	3389.40	59.12	NA	46.93	NA	NA	NA	3342.47	
MW-5	07/15/09	3389.40	59.12	NA	46.55	NA	NA	NA	3342.85	
MW-5	08/05/09	3389.40	59.12	NA	46.84	NA	NA	NA	3342.56	
MW-5	08/26/09	3389.40	59.12	NA	46.98	NA	0.00	6.00	3342.42	Sampled
MW-5	09/02/09	3389.40	59.12	NA	46.99	NA	NA	NA	3342.41	
MW-5	10/07/09	3389.40	59.12	NA	46.89	NA	NA	NA	3342.51	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-5	11/04/09	3389.40	59.12	NA	46.85	NA	NA	NA	3342.55	
MW-5	11/17/09	3389.40	59.12	NA	46.85	NA	NA	NA	3342.55	Sampled
MW-5	12/02/09	3389.40	59.12	NA	46.82	NA	NA	NA	3342.58	
MW-5	01/06/10	3389.40	59.12	NA	46.93	NA	NA	NA	3342.47	
MW-5	02/09/10	3389.40	59.12	NA	47.20	NA	NA	NA	3342.20	Sampled
MW-5	03/10/10	3389.40	59.12	NA	47.19	NA	NA	NA	3342.21	
MW-5	04/07/10	3389.40	59.12	NA	47.24	NA	NA	NA	3342.16	
MW-5	05/05/10	3389.40	59.12	NA	47.35	NA	NA	NA	3342.05	
MW-5	05/12/10	3389.40	59.12	NA	47.36	NA	NA	NA	3342.04	Sampled
MW-5	06/02/10	3389.40	59.12	NA	47.13	NA	NA	NA	3342.27	
MW-5	07/07/10	3389.40	59.12	NA	46.96	NA	NA	NA	3342.44	
MW-5	08/03/10	3389.40	59.12	NA	47.19	NA	NA	NA	3342.21	
MW-5	08/26/10	3389.40	59.12	NA	47.15	NA	NA	NA	3342.25	Sampled
MW-5	09/01/10	3389.40	59.12	NA	47.11	NA	NA	NA	3342.29	
MW-5	10/13/10	3389.40	59.12	NA	47.16	NA	NA	NA	3342.24	
MW-5	11/18/10	3389.40	59.12	NA	47.33	NA	NA	NA	3342.07	Sampled
MW-5	11/23/10	3389.40	59.12	NA	47.40	NA	NA	NA	3342.00	
MW-5	12/08/10	3389.40	59.12	NA	47.41	NA	NA	NA	3341.99	
MW-5	01/12/11	3389.40	59.12	NA	47.44	NA	NA	NA	3341.96	
MW-5	02/08/11	3389.40	59.12	NA	47.33	NA	NA	NA	3342.07	
MW-5	02/24/11	3389.40	59.12	NA	47.26	NA	NA	NA	3342.14	Sampled
MW-5	03/08/11	3389.40	59.12	NA	47.35	NA	NA	NA	3342.05	
MW-5	04/13/11	3389.40	59.12	NA	47.44	NA	NA	NA	3341.96	
MW-5	05/31/11	3389.40	59.12	NA	47.21	NA	NA	NA	3342.19	Sampled
MW-5	07/06/11	3389.40	59.12	NA	47.79	NA	NA	NA	3341.61	
MW-5	08/29/11	3389.40	59.12	NA	48.28	NA	NA	NA	3341.12	Sampled
MW-5	09/14/11	3389.40	59.12	NA	48.31	NA	NA	NA	3341.09	
MW-5	10/12/11	3389.40	59.12	NA	48.42	NA	NA	NA	3340.98	
MW-5	11/28/11	3389.40	59.12	NA	48.43	NA	NA	NA	3340.97	Sampled
MW-5	12/27/11	3389.40	59.12	NA	48.45	NA	NA	NA	3340.95	
MW-5	01/18/12	3389.40	59.12	NA	48.25	NA	NA	NA	3341.15	
MW-5	02/02/12	3389.40	59.12	NA	48.15	NA	NA	NA	3341.25	
MW-5	02/15/12	3389.40	59.12	NA	48.12	NA	NA	NA	3341.28	
MW-5	02/22/12	3389.40	59.12	NA	48.05	NA	NA	NA	3341.35	
MW-5	04/20/12	3389.40	59.12	NA	48.09	NA	NA	NA	3341.31	
MW-5	05/22/12	3389.40	59.12	NA	48.35	NA	NA	NA	3341.05	
MW-5	07/18/12	3389.40	59.12	NA	48.89	NA	NA	NA	3340.51	
MW-5	09/11/12	3389.40	59.12	NA	48.75	NA	NA	NA	3340.65	
MW-5	10/16/12	3389.40	59.12	NA	48.73	NA	NA	NA	3340.67	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-5	11/26/12	3389.40	59.12	NA	48.78	NA	NA	NA	3340.62	
MW-5	12/11/12	3389.40	59.12	NA	48.73	NA	NA	NA	3340.67	
MW-5	02/27/13	3389.40	59.12	NA	48.70	NA	NA	NA	3340.70	
MW-5	06/10/13	3389.40	59.12	NA	48.82	NA	NA	NA	3340.58	
MW-5	08/14/13	3389.40	59.12	NA	49.21	NA	NA	NA	3340.19	
MW-5	09/11/13	3389.40	59.12	NA	49.31	NA	NA	NA	3340.09	
MW-5	12/11/13	3389.40	59.12	NA	49.70	NA	NA	NA	3339.70	
MW-5	02/26/14	3389.40	59.12	NA	50.06	NA	NA	NA	3339.34	
MW-5	03/05/14	3389.40	59.12	NA	50.01	NA	NA	NA	3339.39	Sampled
MW-5	06/06/14	3389.40	59.12	NA	50.22	NA	NA	NA	3339.18	Sampled
MW-5	09/18/14	3389.40	59.20	NA	50.11	NA	NA	NA	3339.29	Sampled
MW-5	11/12/14	3389.40	59.20	NA	49.78	NA	NA	NA	3339.62	Sampled
MW-6	05/24/06	3389.72	NG	NA	47.12	NA	NA	NA	3342.60	
MW-6	06/07/06	3389.72	59.25	NA	47.10	NA	NA	NA	3342.62	
MW-6	06/07/06	3389.72	NG	NA	47.15	NA	5.00	0.00	3342.57	
MW-6	06/15/06	3389.72	NG	NA	47.13	NA	NA	NA	3342.59	Sampled
MW-6	06/29/06	3389.72	NG	NA	47.20	NA	NA	NA	3342.52	
MW-6	07/11/06	3389.72	NG	NA	47.23	NA	NA	NA	3342.49	
MW-6	07/25/06	3389.72	NG	NA	47.28	NA	NA	NA	3342.44	
MW-6	08/09/06	3389.72	NG	NA	47.35	NA	NA	NA	3342.37	
MW-6	08/22/06	3389.72	NG	NA	47.43	NA	NA	NA	3342.29	
MW-6	09/12/06	3389.72	58.10	NA	47.46	NA	NA	NA	3342.26	Sampled
MW-6	09/19/06	3389.72	NG	NA	47.51	NA	NA	NA	3342.21	
MW-6	10/03/06	3389.72	NG	NA	47.51	NA	NA	NA	3342.21	
MW-6	10/17/06	3389.72	NG	NA	47.48	NA	NA	NA	3342.24	
MW-6	10/31/06	3389.72	NG	NA	47.45	NA	NA	NA	3342.27	
MW-6	11/15/06	3389.72	NG	NA	47.00	NA	NA	NA	3342.72	
MW-6	12/06/06	3389.72	57.61	NA	47.34	NA	NA	NA	3342.38	Sampled
MW-6	12/13/06	3389.72	NG	NA	47.50	NA	NA	NA	3342.22	
MW-6	01/03/07	3389.72	NG	NA	47.20	NA	NA	NA	3342.52	
MW-6	01/09/07	3389.72	NG	NA	47.25	NA	NA	NA	3342.47	
MW-6	01/18/07	3389.72	NG	NA	47.18	NA	NA	NA	3342.54	
MW-6	01/25/07	3389.72	NG	NA	47.15	NA	NA	NA	3342.57	
MW-6	01/31/07	3389.72	NG	NA	47.07	NA	NA	NA	3342.65	
MW-6	02/07/07	3389.72	NG	NA	47.12	NA	NA	NA	3342.60	
MW-6	02/14/07	3389.72	NG	NA	47.17	NA	NA	NA	3342.55	
MW-6	03/01/07	3389.72	57.60	NA	47.08	NA	NA	NA	3342.64	Sampled
MW-6	05/03/07	3389.72	57.60	NA	47.00	NA	NA	NA	3342.72	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-6	05/31/07	3389.72	57.21	NA	47.01	NA	NA	NA	3342.71	Sampled
MW-6	06/06/07	3389.72	57.21	NA	46.97	NA	NA	NA	3342.75	
MW-6	07/05/07	3389.72	57.60	NA	47.09	NA	NA	NA	3342.63	
MW-6	07/31/07	3389.72	57.60	NA	47.12	NA	NA	NA	3342.60	
MW-6	09/06/07	3389.72	57.60	NA	47.20	NA	NA	NA	3342.52	Sampled
MW-6	10/04/07	3389.72	57.60	NA	47.24	NA	NA	NA	3342.48	
MW-6	11/13/07	3389.72	57.58	NA	47.31	NA	NA	NA	3342.41	Sampled
MW-6	12/05/07	3389.72	57.58	NA	47.25	NA	NA	NA	3342.47	
MW-6	01/09/08	3389.72	57.26	NA	47.24	NA	NA	NA	3342.48	
MW-6	02/06/08	3389.72	57.26	NA	47.26	NA	NA	NA	3342.46	
MW-6	02/27/08	3389.72	57.46	NA	47.24	NA	NA	NA	3342.48	Sampled
MW-6	04/02/08	3389.72	57.46	NA	47.19	NA	NA	NA	3342.53	
MW-6	05/22/08	3389.72	57.46	NA	47.14	NA	NA	NA	3342.58	Sampled
MW-6	06/27/08	3389.72	57.46	NA	47.24	NA	NA	NA	3342.48	
MW-6	07/07/08	3389.72	57.46	NA	47.20	NA	NA	NA	3342.52	
MW-6	08/20/08	3389.72	57.20	NA	47.28	NA	NA	NA	3342.44	Sampled
MW-6	10/15/08	3389.72	57.25	NA	47.70	NA	NA	NA	3342.02	
MW-6	11/19/08	3389.72	57.25	NA	47.56	NA	NA	NA	3342.16	Sampled
MW-6	12/21/08	3389.72	57.25	NA	47.68	NA	NA	NA	3342.04	
MW-6	01/07/09	3389.72	57.16	NA	47.54	NA	NA	NA	3342.18	
MW-6	02/04/09	3389.72	57.14	NA	47.53	NA	NA	NA	3342.19	
MW-6	02/17/09	3389.72	57.33	NA	47.36	NA	NA	NA	3342.36	Sampled
MW-6	03/04/09	3389.72	57.33	NA	47.37	NA	NA	NA	3342.35	
MW-6	04/08/09	3389.72	57.33	NA	47.43	NA	NA	NA	3342.29	
MW-6	05/06/09	3389.72	57.33	NA	47.60	NA	NA	NA	3342.12	
MW-6	05/19/09	3389.72	57.33	NA	47.59	NA	0.00	5.00	3342.13	Sampled
MW-6	06/03/09	3389.72	57.33	NA	47.58	NA	0.00	5.00	3342.14	
MW-6	07/15/09	3389.72	57.33	NA	47.65	NA	0.00	5.00	3342.07	
MW-6	08/05/09	3389.72	57.33	NA	47.51	NA	NA	NA	3342.21	
MW-6	08/26/09	3389.72	57.45	NA	47.61	NA	0.00	5.00	3342.11	Sampled
MW-6	09/02/09	3389.72	57.45	NA	47.63	NA	NA	NA	3342.09	
MW-6	10/07/09	3389.72	57.45	NA	47.55	NA	NA	NA	3342.17	
MW-6	11/04/09	3389.72	57.45	NA	47.51	NA	NA	NA	3342.21	
MW-6	11/17/09	3389.72	57.45	NA	47.51	NA	NA	NA	3342.21	Sampled
MW-6	12/02/09	3389.72	57.45	NA	47.47	NA	NA	NA	3342.25	
MW-6	01/06/10	3389.72	57.45	NA	47.56	NA	NA	NA	3342.16	
MW-6	02/09/10	3389.72	57.45	NA	47.81	NA	NA	NA	3341.91	Sampled
MW-6	03/10/10	3389.72	57.45	NA	47.82	NA	NA	NA	3341.90	
MW-6	04/07/10	3389.72	57.45	NA	47.88	NA	NA	NA	3341.84	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-6	05/05/10	3389.72	57.45	NA	47.98	NA	NA	NA	3341.74	
MW-6	05/12/10	3389.72	57.45	NA	47.96	NA	NA	NA	3341.76	Sampled
MW-6	06/02/10	3389.72	57.45	NA	47.78	NA	NA	NA	3341.94	
MW-6	07/07/10	3389.72	57.45	NA	47.60	NA	NA	NA	3342.12	
MW-6	08/03/10	3389.72	57.45	NA	47.80	NA	NA	NA	3341.92	
MW-6	08/26/10	3389.72	57.45	NA	47.82	NA	NA	NA	3341.90	Sampled
MW-6	09/01/10	3389.72	57.45	NA	47.74	NA	NA	NA	3341.98	
MW-6	10/13/10	3389.72	57.45	NA	47.78	NA	NA	NA	3341.94	
MW-6	11/18/10	3389.72	57.45	NA	48.01	NA	NA	NA	3341.71	Sampled
MW-6	11/23/10	3389.72	57.45	NA	48.00	NA	NA	NA	3341.72	
MW-6	12/08/10	3389.72	57.45	NA	48.03	NA	NA	NA	3341.69	
MW-6	01/12/11	3389.72	57.45	NA	48.04	NA	NA	NA	3341.68	
MW-6	02/08/11	3389.72	57.45	NA	47.94	NA	NA	NA	3341.78	
MW-6	02/24/11	3389.72	57.45	NA	47.88	NA	NA	NA	3341.84	Sampled
MW-6	03/08/11	3389.72	57.45	NA	47.95	NA	NA	NA	3341.77	
MW-6	04/13/11	3389.72	57.45	NA	48.04	NA	NA	NA	3341.68	
MW-6	05/31/11	3389.72	57.45	NA	48.35	NA	NA	NA	3341.37	Sampled
MW-6	07/06/11	3389.72	57.45	NA	48.37	NA	NA	NA	3341.35	
MW-6	08/29/11	3389.72	57.45	NA	48.85	NA	NA	NA	3340.87	Sampled
MW-6	09/14/11	3389.72	57.45	NA	48.89	NA	NA	NA	3340.83	
MW-6	10/12/11	3389.72	57.45	NA	48.99	NA	NA	NA	3340.73	
MW-6	11/28/11	3389.72	57.45	NA	49.00	NA	NA	NA	3340.72	Sampled
MW-6	12/27/11	3389.72	57.45	NA	49.05	NA	NA	NA	3340.67	
MW-6	01/18/12	3389.72	57.45	NA	48.87	NA	NA	NA	3340.85	
MW-6	02/02/12	3389.72	57.45	NA	48.79	NA	NA	NA	3340.93	
MW-6	02/15/12	3389.72	57.45	NA	48.75	NA	NA	NA	3340.97	
MW-6	02/22/12	3389.72	57.45	NA	48.69	NA	NA	NA	3341.03	
MW-6	04/20/12	3389.72	57.45	NA	48.70	NA	NA	NA	3341.02	
MW-6	05/22/12	3389.72	57.45	NA	48.93	NA	NA	NA	3340.79	
MW-6	07/18/12	3389.72	57.45	NA	49.49	NA	NA	NA	3340.23	
MW-6	09/11/12	3389.72	57.45	NA	49.43	NA	NA	NA	3340.29	
MW-6	10/16/12	3389.72	57.45	NA	49.34	NA	NA	NA	3340.38	
MW-6	11/26/12	3389.72	57.45	NA	49.45	NA	NA	NA	3340.27	
MW-6	12/11/12	3389.72	57.45	NA	49.44	NA	NA	NA	3340.28	
MW-6	02/27/13	3389.72	57.45	NA	49.39	NA	NA	NA	3340.33	
MW-6	06/10/13	3389.72	57.45	NA	49.52	NA	NA	NA	3340.20	
MW-6	08/14/13	3389.72	57.45	NA	49.86	NA	NA	NA	3339.86	
MW-6	09/11/13	3389.72	57.45	NA	49.97	NA	NA	NA	3339.75	
MW-6	12/11/13	3389.72	57.45	NA	50.34	NA	NA	NA	3339.38	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-6	02/26/14	3389.72	57.45	NA	50.71	NA	NA	NA	3339.01	
MW-6	03/05/14	3389.72	57.45	NA	50.69	NA	NA	NA	3339.03	Sampled
MW-6	06/06/14	3389.72	57.45	NA	50.90	NA	NA	NA	3338.82	Sampled
MW-6	09/18/14	3389.72	57.76	NA	50.80	NA	NA	NA	3338.92	Sampled
MW-6	11/12/14	3389.72	57.76	NA	50.45	NA	NA	NA	3339.27	Sampled
MW-7	05/24/06	3389.28	NG	NA	46.67	NA	NA	NA	3342.61	
MW-7	06/07/06	3389.28	57.90	NA	46.69	NA	NA	NA	3342.59	
MW-7	06/07/06	3389.28	NG	NA	46.77	NA	5.00	0.00	3342.51	
MW-7	06/15/06	3389.28	NG	NA	46.67	NA	NA	NA	3342.61	Sampled
MW-7	06/29/06	3389.28	NG	NA	46.77	NA	NA	NA	3342.51	
MW-7	07/11/06	3389.28	NG	NA	46.78	NA	NA	NA	3342.50	
MW-7	07/25/06	3389.28	NG	NA	46.84	NA	NA	NA	3342.44	
MW-7	08/09/06	3389.28	56.36	NA	46.94	NA	NA	NA	3342.34	
MW-7	08/22/06	3389.28	NG	NA	46.98	NA	NA	NA	3342.30	
MW-7	09/12/06	3389.28	56.54	NA	47.03	NA	NA	NA	3342.25	Sampled
MW-7	09/19/06	3389.28	NG	NA	47.07	NA	NA	NA	3342.21	
MW-7	10/03/06	3389.28	NG	NA	47.05	NA	NA	NA	3342.23	
MW-7	10/17/06	3389.28	NG	NA	47.04	NA	NA	NA	3342.24	
MW-7	10/31/06	3389.28	NG	NA	46.98	NA	NA	NA	3342.30	
MW-7	11/15/06	3389.28	NG	NA	47.43	NA	NA	NA	3341.85	
MW-7	12/06/06	3389.28	56.33	NA	46.88	NA	NA	NA	3342.40	Sampled
MW-7	12/13/06	3389.28	NG	NA	47.00	NA	NA	NA	3342.28	
MW-7	01/03/07	3389.28	NG	NA	46.75	NA	NA	NA	3342.53	
MW-7	01/09/07	3389.28	NG	NA	46.81	NA	NA	NA	3342.47	
MW-7	01/18/07	3389.28	NG	NA	46.71	NA	NA	NA	3342.57	
MW-7	01/25/07	3389.28	NG	NA	46.70	NA	NA	NA	3342.58	
MW-7	01/31/07	3389.28	NG	NA	46.62	NA	NA	NA	3342.66	
MW-7	02/07/07	3389.28	NG	NA	46.65	NA	NA	NA	3342.63	
MW-7	02/14/07	3389.28	NG	NA	46.69	NA	NA	NA	3342.59	
MW-7	03/01/07	3389.28	55.99	NA	46.62	NA	NA	NA	3342.66	Sampled
MW-7	05/03/07	3389.28	55.99	NA	46.53	NA	NA	NA	3342.75	
MW-7	05/31/07	3389.28	55.98	NA	46.53	NA	NA	NA	3342.75	Sampled
MW-7	06/06/07	3389.28	55.98	NA	46.50	NA	NA	NA	3342.78	
MW-7	07/05/07	3389.28	56.01	NA	46.60	NA	NA	NA	3342.68	
MW-7	07/31/07	3389.28	56.02	NA	46.63	NA	NA	NA	3342.65	
MW-7	09/06/07	3389.28	56.02	NA	46.72	NA	NA	NA	3342.56	Sampled
MW-7	10/04/07	3389.28	56.02	NA	46.78	NA	NA	NA	3342.50	
MW-7	11/13/07	3389.28	58.97	NA	46.80	NA	NA	NA	3342.48	Sampled

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-7	12/05/07	3389.28	58.97	NA	46.75	NA	NA	NA	3342.53	
MW-7	01/09/08	3389.28	56.10	NA	46.75	NA	NA	NA	3342.53	
MW-7	02/06/08	3389.28	56.10	NA	46.75	NA	NA	NA	3342.53	
MW-7	02/27/08	3389.28	55.92	NA	46.72	NA	NA	NA	3342.56	Sampled
MW-7	04/02/08	3389.28	55.92	NA	46.69	NA	NA	NA	3342.59	
MW-7	05/22/08	3389.28	55.92	NA	46.63	NA	NA	NA	3342.65	Sampled
MW-7	06/26/08	3389.28	55.92	NA	46.72	NA	NA	NA	3342.56	
MW-7	07/07/08	3389.28	55.92	NA	46.72	NA	NA	NA	3342.56	
MW-7	08/20/08	3389.28	55.88	NA	46.77	NA	NA	NA	3342.51	Sampled
MW-7	10/15/08	3389.28	55.89	NA	47.20	NA	NA	NA	3342.08	
MW-7	11/19/08	3389.28	55.89	NA	47.08	NA	NA	NA	3342.20	
MW-7	12/21/08	3389.28	55.89	NA	47.18	NA	NA	NA	3342.10	
MW-7	01/07/09	3389.28	55.53	NA	47.05	NA	NA	NA	3342.23	
MW-7	02/04/09	3389.28	55.48	NA	47.05	NA	NA	NA	3342.23	
MW-7	02/17/09	3389.28	55.82	NA	46.89	NA	NA	NA	3342.39	Sampled
MW-7	03/04/09	3389.28	55.82	NA	46.90	NA	NA	NA	3342.38	
MW-7	04/08/09	3389.28	55.82	NA	46.90	NA	NA	NA	3342.38	
MW-7	05/07/09	3389.28	55.82	NA	47.11	NA	NA	NA	3342.17	
MW-7	05/19/09	3389.28	55.82	NA	47.13	NA	0.00	5.00	3342.15	Sampled
MW-7	06/03/09	3389.28	55.82	NA	47.11	NA	NA	NA	3342.17	
MW-7	07/15/09	3389.28	55.82	NA	47.17	NA	NA	NA	3342.11	
MW-7	08/05/09	3389.28	55.82	NA	47.07	NA	NA	NA	3342.21	
MW-7	08/26/09	3389.28	55.45	NA	47.13	NA	0.00	5.00	3342.15	Sampled
MW-7	09/02/09	3389.28	55.45	NA	47.17	NA	NA	NA	3342.11	
MW-7	10/07/09	3389.28	55.45	NA	47.10	NA	NA	NA	3342.18	
MW-7	11/04/09	3389.28	55.45	NA	47.08	NA	NA	NA	3342.20	
MW-7	11/17/09	3389.28	55.45	NA	47.06	NA	NA	NA	3342.22	Sampled
MW-7	12/02/09	3389.28	55.45	NA	47.03	NA	NA	NA	3342.25	
MW-7	01/06/10	3389.28	55.45	NA	47.10	NA	NA	NA	3342.18	
MW-7	02/09/10	3389.28	55.45	NA	47.30	NA	NA	NA	3341.98	Sampled
MW-7	03/10/10	3389.28	55.45	NA	47.29	NA	NA	NA	3341.99	
MW-7	04/07/10	3389.28	55.45	NA	47.37	NA	NA	NA	3341.91	
MW-7	05/05/10	3389.28	55.45	NA	47.45	NA	NA	NA	3341.83	
MW-7	05/12/10	3389.28	55.45	NA	47.45	NA	NA	NA	3341.83	Sampled
MW-7	06/02/10	3389.28	55.45	NA	47.30	NA	NA	NA	3341.98	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-7	07/07/10	3389.28	55.45	NA	47.17	NA	NA	NA	3342.11	
MW-7	08/03/10	3389.28	55.45	NA	47.28	NA	NA	NA	3342.00	
MW-7	08/26/10	3389.28	55.45	NA	47.27	NA	NA	NA	3342.01	Sampled
MW-7	09/01/10	3389.28	55.45	NA	47.24	NA	NA	NA	3342.04	
MW-7	10/13/10	3389.28	55.45	NA	47.28	NA	NA	NA	3342.00	
MW-7	11/18/10	3389.28	55.45	NA	47.47	NA	NA	NA	3341.81	Sampled
MW-7	11/23/10	3389.28	55.45	NA	47.51	NA	NA	NA	3341.77	
MW-7	12/08/10	3389.28	55.45	NA	47.55	NA	NA	NA	3341.73	
MW-7	01/12/11	3389.28	55.45	NA	47.56	NA	NA	NA	3341.72	
MW-7	02/08/11	3389.28	55.45	NA	47.45	NA	NA	NA	3341.83	
MW-7	02/24/11	3389.28	55.45	NA	47.41	NA	NA	NA	3341.87	Sampled
MW-7	03/08/11	3389.28	55.45	NA	47.48	NA	NA	NA	3341.80	
MW-7	04/13/11	3389.28	55.45	NA	47.59	NA	NA	NA	3341.69	
MW-7	05/31/11	3389.28	55.45	NA	47.83	NA	NA	NA	3341.45	Sampled
MW-7	07/06/11	3389.28	55.45	NA	47.91	NA	NA	NA	3341.37	
MW-7	08/29/11	3389.28	55.45	NA	48.36	NA	NA	NA	3340.92	Sampled
MW-7	09/14/11	3389.28	55.45	NA	48.40	NA	NA	NA	3340.88	
MW-7	10/12/11	3389.28	55.45	NA	48.50	NA	NA	NA	3340.78	
MW-7	11/28/11	3389.28	55.45	NA	48.53	NA	NA	NA	3340.75	Sampled
MW-7	12/27/11	3389.28	55.45	NA	48.52	NA	NA	NA	3340.76	
MW-7	01/18/12	3389.28	55.45	NA	48.41	NA	NA	NA	3340.87	
MW-7	02/02/12	3389.28	55.45	NA	48.35	NA	NA	NA	3340.93	
MW-7	02/15/12	3389.28	55.45	NA	48.32	NA	NA	NA	3340.96	
MW-7	02/22/12	3389.28	55.45	NA	48.22	NA	NA	NA	3341.06	
MW-7	04/20/12	3389.28	55.45	NA	48.23	NA	NA	NA	3341.05	
MW-7	05/22/12	3389.28	55.45	NA	48.00	NA	NA	NA	3341.28	
MW-7	07/18/12	3389.28	55.45	NA	49.00	NA	NA	NA	3340.28	Sampled
MW-7	09/11/12	3389.28	55.45	NA	48.98	NA	NA	NA	3340.30	
MW-7	10/16/12	3389.28	55.45	NA	48.95	NA	NA	NA	3340.33	
MW-7	11/26/12	3389.28	55.45	NA	48.98	NA	NA	NA	3340.30	
MW-7	12/11/12	3389.28	55.45	NA	48.98	NA	NA	NA	3340.30	
MW-7	02/27/13	3389.28	55.45	NA	48.94	NA	NA	NA	3340.34	
MW-7	06/10/13	3389.28	55.45	NA	49.05	NA	NA	NA	3340.23	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
MW-7	08/14/13	3389.28	55.45	NA	49.38	NA	NA	NA	3339.90	
MW-7	09/11/13	3389.28	55.45	NA	49.51	NA	NA	NA	3339.77	
MW-7	12/11/13	3389.28	55.45	NA	49.84	NA	NA	NA	3339.44	
MW-7	02/26/14	3389.28	55.45	NA	50.20	NA	NA	NA	3339.08	
MW-7	03/05/14	3389.28	55.45	NA	50.19	NA	NA	NA	3339.09	Sampled
MW-7	06/06/14	3389.28	55.45	NA	50.36	NA	NA	NA	3338.92	Sampled
MW-7	09/18/14	3389.28	55.51	NA	50.33	NA	NA	NA	3338.95	Sampled
MW-7	11/12/14	3389.28	55.51	NA	49.97	NA	NA	NA	3339.31	Sampled
RW-1	08/12/14	3389.34		49.49	50.08	0.59	0.25	11.75	3339.76	
RW-1	08/21/14	3389.34		49.94	50.00	0.06	NA	NA	3339.39	
RW-1	08/26/14	3389.34		49.97	50.03	0.06	0.75	9.25	3339.36	
RW-1	09/03/14	3389.34		49.97	50.02	0.05	0.25	9.75	3339.36	
RW-1	09/09/14	3389.34		49.88	50.00	0.12	0.25	9.75	3339.44	
RW-1	09/18/14	3389.34		49.85	50.00	0.15	0.50	29.50	3339.47	Sampled
RW-1	09/24/14	3389.34		49.75	49.82	0.07	0.25	4.75	3339.58	
RW-1	09/29/14	3389.34		49.75	49.84	0.09	NA	NA	3339.58	
RW-1	10/13/14	3389.34		49.68	49.70	0.02	0.25	9.75	3339.66	
RW-1	10/20/14	3389.34		49.60	49.64	0.04	0.25	9.75	3339.73	
RW-1	10/28/14	3389.34		49.55	49.59	0.04	NA	NA	3339.78	
RW-1	11/04/14	3389.34		49.58	49.61	0.03	NA	NA	3339.76	
RW-1	11/12/14	3389.34		49.53	49.55	0.02	NA	NA	3339.81	
RW-1	11/20/14	3389.34		49.37	49.40	0.03	NA	NA	3339.97	
RW-1	11/25/14	3389.34		49.33	49.37	0.04	NA	NA	3340.00	
RW-1	12/05/14	3389.34		49.34	49.42	0.08	0.25	4.75	3339.99	
RW-1	12/17/14	3389.34		49.32	49.36	0.04	NA	NA	3340.01	
RW-1	01/07/15	3389.34		nd	49.32	nd	NA	NA	3340.02	
RW-1	01/14/15	3389.34		48.98	49.27	0.29	NA	NA	3340.32	
RW-2	08/12/14	3389.06		49.73	49.74	0.01	Sheen	10.00	3339.33	
RW-2	08/21/14	3389.06		49.68	49.73	0.05	NA	NA	3339.37	
RW-2	08/26/14	3389.06		49.69	49.78	0.09	Sheen	10.00	3339.36	
RW-2	09/09/14	3389.06		49.62	49.73	0.11	0.25	9.75	3339.42	

TABLE 2
HISTORICAL GROUNDWATER ELEVATION AND PSH RECOVERY DATA
PLAINS MARKETING, L.P.
D.S. HUGH SITE
LEA COUNTY, NEW MEXICO

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery (gallons)		Corrected Groundwater Elevation (ft)	Comments
							PSH	H_20		
RW-2	09/18/14	3389.06		49.59	49.74	0.15	Sheen	30.00	3339.45	Sampled
RW-2	09/24/14	3389.06		49.46	49.58	0.12	0.25	9.75	3339.58	
RW-2	09/29/14	3389.06		49.48	49.59	0.11	NA	NA	3339.56	
RW-2	10/13/14	3389.06		49.39	49.58	0.19	0.50	9.50	3339.64	
RW-2	10/20/14	3389.06		49.40	49.55	0.15	0.50	9.50	3339.64	
RW-2	10/28/14	3389.06		49.24	49.59	0.35	0.50	9.50	3339.77	
RW-2	11/04/14	3389.06		49.17	49.28	0.11	0.50	8.50	3339.87	
RW-2	11/12/14	3389.06		49.13	49.42	0.29	NA	NA	3339.89	
RW-2	11/20/14	3389.06		49.09	49.20	0.11	0.25	4.75	3339.95	
RW-2	11/25/14	3389.06		49.00	49.16	0.16	0.25	4.75	3340.04	
RW-2	12/05/14	3389.06		49.06	49.25	0.19	0.25	4.75	3339.97	
RW-2	12/17/14	3389.06		49.11	49.29	0.18	0.25	4.75	3339.92	
RW-2	01/07/15	3389.06		49.00	49.28	0.28	0.50	9.50	3340.02	
RW-2	01/14/15	3389.06		ND	49.32	ND	NA	NA	3339.74	
TANK	10/28/14			3.41	3.42	0.01	NA	NA	NS	
TANK	11/04/14			3.42	3.43	0.01	NA	NA	NS	
TANK	11/20/14			3.40	3.48	0.08	NA	NA	NS	
TANK	11/25/14			3.39	3.46	0.07	NA	NA	NS	
TANK	12/05/14			3.35	3.38	0.03	NA	NA	NS	
TANK	12/17/14			3.41	3.46	0.05	NA	NA	NS	

NA: Not Applicable
NG: Not Gauged

TABLE 3
2014 GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
DS Hugh Site
SRS #2000-10807
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
MW-1	NS	NS	NS	NS	NS	NS
MW-1	06/06/14	L703440-01	**0.036**	0.19	0.15	0.36
MW-1	NS	NS	NS	NS	NS	NS
MW-1	NS	NS	NS	NS	NS	NS
MW-2	03/05/14	L686932-01	<0.001	<0.005	<0.001	<0.003
MW-2	06/06/14	L703440-02	<0.001	<0.005	<0.001	<0.003
MW-2	09/18/14	L722808-01	<0.001	<0.005	<0.001	<0.003
MW-2	11/12/14	L733859-01	<0.001	<0.005	<0.001	<0.003
MW-3	03/05/14	L686932-02	<0.001	<0.005	<0.001	<0.003
MW-3	06/06/14	L703440-03	<0.001	<0.005	<0.001	<0.003
MW-3	09/18/14	L722808-02	<0.001	<0.005	<0.001	<0.003
MW-3	11/12/14	L733859-02	<0.001	<0.005	<0.001	<0.003
MW-4	03/05/14	L686932-03	0.00051 J	<0.005	0.047	0.014
MW-4	06/06/14	L703440-04	<0.001	<0.005	<0.001	<0.003
MW-4	09/18/14	L722808-03	<0.001	<0.005	<0.001	<0.003
MW-4	11/12/14	L733859-03	<0.001	<0.005	<0.001	<0.003
MW-5	03/05/14	L686932-04	<0.001	<0.005	<0.001	<0.003
MW-5	06/06/14	L703440-05	<0.001	<0.005	<0.001	<0.003
MW-5	09/18/14	L722808-04	<0.001	<0.005	<0.001	<0.003
MW-5	11/12/14	L733859-04	<0.001	<0.005	<0.001	<0.003
MW-6	03/05/14	L686932-05	<0.001	<0.005	<0.001	<0.003
MW-6	06/06/14	L703440-06	<0.001	<0.005	<0.001	<0.003
MW-6	09/18/14	L722808-05	<0.001	<0.005	<0.001	<0.003
MW-6	11/12/14	L733859-05	<0.001	<0.005	<0.001	<0.003
MW-7	03/05/14	L686932-06	<0.001	<0.005	<0.001	<0.003
MW-7	06/06/14	L703440-07	<0.001	<0.005	<0.001	<0.003
MW-7	09/18/14	L722808-06	<0.001	<0.005	<0.001	<0.003
MW-7	11/12/14	L733859-06	<0.001	<0.005	<0.001	<0.003

TABLE 3
2014 GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
DS Hugh Site
SRS #2000-10807
Lea County, New Mexico

RW-1	09/18/14	L722808-07	0.0042	0.034	0.016	0.056
RW-2	09/18/14	L722808-08	**0.01**	0.14	0.13	0.41

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

TABLE 4
D.S. HUGH
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
PLAINS MARKETING, L.P.
D.S. HUGH SITE
SRS #2000-108007
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Sample ID	MTBE (mg/L)	SW 846-8021B			
				Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
				NMOCD Remediation Criteria			
				0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
MW-1	12/21/05	NS	NA	NS	NS	NS	NS
MW-1	03/28/06	NS	NA	NS	NS	NS	NS
MW-1	06/15/06	NS	NA	NS	NS	NS	NS
MW-1	09/12/06	NS	NA	NS	NS	NS	NS
MW-1	03/01/07	NS	NA	NS	NS	NS	NS
MW-1	05/22/08	T22302-1	NA	**0.512**	0.439	0.141	0.323
MW-1	05/19/09	9052214	<0.000750	**0.0105**	0.0143	0.0061	0.0178
MW-1	05/12/10	1005476-01	NA	**0.45**	0.68	0.30	**0.84**
MW-1	05/31/11	1106003-01	NA	**0.40**	0.36	0.30	**0.74**
MW-1	08/29/11	NS	NS	NS	NS	NS	NS
MW-1	11/28/11	NS	NS	NS	NS	NS	NS
MW-1	02/22/12	NS	NS	NS	NS	NS	NS
MW-1	05/22/12	12051129-01	NA	**0.55**	**1.5**	0.6	**1.5**
MW-1	09/11/12	NS	NS	NS	NS	NS	NS
MW-1	11/26/12	NS	NS	NS	NS	NS	NS
MW-1	02/27/13	NS	NS	NS	NS	NS	NS
MW-1	06/10/13	L641101-01	NS	**0.028**	0.10	0.066	0.16
MW-1	09/11/13	NS	NS	NS	NS	NS	NS
MW-1	12/11/13	NS	NS	NS	NS	NS	NS
MW-1	03/05/14	NS	NS	NS	NS	NS	NS
MW-1	06/06/14	L703440-01	NS	0.036	0.19	0.15	0.36
MW-2	12/21/05	T12186-1	NA	<0.002	<0.002	<0.002	<0.006
MW-2	03/28/06	T13038-1	NA	<0.00038	<0.00036	<0.00035	<0.00072
MW-2	06/15/06	T13864-1	NA	<0.00038	<0.00036	<0.00035	<0.00072
MW-2	09/12/06	T14673-1	NA	<0.00035	<0.00020	<0.00033	<0.00036
MW-2	12/06/06	T15625-1	NA	<0.00035	<0.00020	<0.00033	<0.00036
MW-2	03/01/07	T16518-1	NA	<0.00035	<0.00020	<0.00033	<0.00036
MW-2	06/01/07	T17666-1	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-2	09/07/07	T18804-1	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-2	11/13/07	T19746-1	NA	<0.0005	<0.0005	<0.0005	<0.001
MW-2	02/27/08	T21042-1	NA	0.00077 J	<0.00023	0.00085 J	0.00068 J
MW-2	05/22/08	T22302-2	NA	0.00029 J	<0.00023	<0.00035	<0.0055
MW-2	08/20/08	T23537-1	NA	<0.0005	<0.0005	<0.0005	<0.001
MW-2	11/19/08	180051	NA	0.00230	<0.00100	0.00180	0.00130
MW-2	02/17/09	187738	NA	<0.001	<0.001	<0.001	<0.001
MW-2	05/19/09	9052214	<0.000160	<0.000133	<0.000281	<0.000535	<0.000960
MW-2	08/26/09	208335	NA	<0.000133	<0.000281	<0.000535	<0.000960
MW-2	11/17/09	215429	<0.000750	<0.000160	<0.000332	<0.000230	<0.000143
MW-2	02/09/10	222048	NA	<0.000208	<0.000208	<0.000303	<0.000326
MW-2	05/12/10	1005476-02	NA	0.00077 J	<0.00020	0.00039 J	<0.00070
MW-2	08/26/10	1008908-01	NA	<0.00020	<0.00020	<0.00020	<0.00070
MW-2	11/18/10	1011751-01	NA	<0.00020	<0.00020	<0.00020	<0.00070
MW-2	02/24/11	1102759-01	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-2	05/31/11	1106003-02	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-2	08/29/11	1108973-01	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-2	11/28/11	1111900-01	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-2	02/22/12	1202868-01	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-2	05/22/12	12051129-02	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-2	09/11/12	1209470-01	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-2	11/26/12	1211905-01	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-2	02/27/13	L622427-01	NA	<0.001	<0.005	<0.001	<0.003
MW-2	06/10/13	L641101-02	NA	<0.001	<0.005	<0.001	<0.003
MW-2	09/11/13	L657122-01	NA	<0.001	<0.005	<0.001	<0.003
MW-2	12/11/13	L673997-01	NA	<0.001	<0.005	<0.001	<0.003
MW-2	03/05/14	L686932-01	NA	<0.001	<0.005	<0.001	<0.003
MW-2	06/06/14	L703440-02	NA	<0.001	<0.005	<0.001	<0.003
MW-2	09/18/14	L722808-01	NA	<0.001	<0.005	<0.001	<0.003

TABLE 4
D.S. HUGH
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
PLAINS MARKETING, L.P.
D.S. HUGH SITE
SRS #2000-108007
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Sample ID	MTBE (mg/L)	SW 846-8021B			
				Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
				NMOCD Remediation Criteria			
				0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
MW-2	11/12/14	L733859-01	NA	<0.001	<0.005	<0.001	<0.003
MW-3	12/21/05	T12186-2	NA	<0.002	<0.002	<0.002	<0.006
MW-3	03/28/06	T13038-2	NA	<0.00038	<0.00036	<0.00035	<0.00072
MW-3	06/15/06	T13864-2	NA	<0.00038	<0.00036	<0.00035	<0.00072
MW-3	09/12/06	T14673-2	NA	<0.00035	<0.00020	<0.00033	<0.00036
MW-3	12/06/06	T15625-2	NA	<0.00035	<0.00020	<0.00033	<0.00036
MW-3	03/01/07	T16518-2	NA	<0.00035	<0.00020	<0.00033	<0.00036
MW-3	06/01/07	T17666-2	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	09/07/07	T18804-2	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	11/13/07	T19746-2	NA	<0.0005	<0.0005	<0.0005	<0.001
MW-3	02/27/08	T21042-2	NA	0.00021 J	<0.00023	<0.00035	<0.00055
MW-3	05/22/08	T22302-3	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	08/20/08	T23537-2	NA	<0.0005	<0.0005	<0.0005	<0.001
MW-3	11/19/08	180052	NA	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	02/17/09	187739	NA	<0.001	<0.001	<0.001	<0.001
MW-3	05/19/09	9052214	<0.000469	<0.000149	<0.000188	<0.000178	<0.000163
MW-3	08/26/09	208336	NA	<0.000133	<0.000281	<0.000535	<0.000960
MW-3	11/17/09	215430	<0.000750	<0.000160	<0.000332	<0.000230	<0.000143
MW-3	02/09/10	222049	NA	<0.000208	<0.000208	<0.000303	<0.000326
MW-3	05/12/10	1005476-03	NA	0.0012	<0.00020	0.00049 J	0.00088 J
MW-3	08/26/10	1008908-02	NA	<0.00020	<0.00020	<0.00020	<0.00070
MW-3	11/18/10	1011751-02	NA	<0.00020	<0.00020	<0.00020	<0.00070
MW-3	02/24/11	1102759-02	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-3	05/31/11	1106003-03	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-3	08/29/11	1108973-02	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-3	11/28/11	1111900-02	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-3	02/22/12	1202868-02	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-3	05/23/12	12051129-03	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-3	09/11/12	1209470-02	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-3	11/26/12	1211905-02	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-3	02/27/13	L622427-02	NA	<0.001	<0.005	<0.001	<0.003
MW-3	06/10/13	L641101-03	NA	<0.001	<0.005	<0.001	<0.003
MW-3	09/11/13	L657122-02	NA	<0.001	<0.005	<0.001	<0.003
MW-3	12/11/13	L673997-02	NA	<0.001	<0.005	<0.001	<0.003
MW-3	03/05/14	L686932-02	NA	<0.001	<0.005	<0.001	<0.003
MW-3	06/06/14	L703440-03	NA	<0.001	<0.005	<0.001	<0.003
MW-3	09/18/14	L722808-02	NA	<0.001	<0.005	<0.001	<0.003
MW-3	11/12/14	L733859-02	NA	<0.001	<0.005	<0.001	<0.003
MW-4	03/28/06	T13038-3	NA	**0.2** [a]	0.0535	0.0384	0.115
MW-4	06/15/06	T13864-3	NA	**0.41** [a]	0.0926	0.144 [a]	0.403 [a]
MW-4	09/12/06	T14673-3	NA	**0.617** [a]	0.025	0.232 [a]	0.208
MW-4	12/06/06	T15625-3	NA	**1.25** [a]	0.196	0.581 [a]	**0.818**
MW-4	03/01/07	T16518-3	NA	**1.06**	0.186	0.294	0.195
MW-4	06/01/07	T17666-3	NA	**1.25**	0.0195 J	0.349	0.192
MW-4	09/07/07	T18804-3	NA	**1.51**	0.0554	0.317	0.295
MW-4	11/13/07	T19746-3	NA	**1.38** [a]	0.0251	0.256	0.22
MW-4	02/27/08	T21042-3	NA	**1.77**	0.0882	0.532	**0.792**
MW-4	05/22/08	T22302-4	NA	**1.09**	0.0215	0.291	0.254
MW-4	08/20/08	T23537-3	NA	**0.662** [a]	0.0161	0.207 [a]	0.249
MW-4	11/19/08	180053	NA	**0.567**	0.0398	0.205	0.326
MW-4	02/17/09	187740	NA	**0.654**	0.0451	0.196	0.507
MW-4	05/19/09	9052214	<0.00938	**0.338**	0.0259	0.174	0.319
MW-4	08/26/09	208337	NA	**0.301**	0.0405	0.180	0.407
MW-4	11/17/09	215431	<0.000750	**0.112**	0.0350	0.115	0.246
MW-4	02/09/10	222050	NA	**0.16**	0.0663	0.159	0.398
MW-4	05/12/10	1005476-04	NA	**0.11**	0.0450	0.14	0.4

TABLE 4
D.S. HUGH
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
PLAINS MARKETING, L.P.
D.S. HUGH SITE
SRS #2000-108007
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Sample ID	MTBE (mg/L)	SW 846-8021B			
				Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
				NMOCD Remediation Criteria			
				0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
MW-4	08/26/10	1008908-03	NA	**0.038**	0.0340	0.094	0.26
MW-4	11/18/10	1011751-03	NA	**0.014**	0.0023	0.12	0.26
MW-4	02/24/11	1102759-03	NA	**0.020**	0.030	0.096	0.26
MW-4	05/31/11	1106003-04	NA	**0.024**	0.022	0.079	0.28
MW-4	08/29/11	1108973-03	NA	**0.014**	0.0035 P	0.11	0.28
MW-4	11/28/11	1111900-03	NA	0.0091	<0.0010	0.10	0.18
MW-4	02/12/22	1202868-03	NA	**0.011**	<0.0010	0.11	0.21
MW-4	05/23/12	12051129-03	NA	**0.011**	0.001	0.15	0.38
MW-4	09/11/12	1209470-03	NA	0.0075	<0.0010	0.14	0.23
MW-4	11/26/12	1211905-03	NA	0.004	<0.0010	0.11	0.15
MW-4	02/27/13	L622427-03	NA	0.0012	<0.005	0.052	0.069
MW-4	06/10/13	L641101-04	NA	0.00042 J	<0.005	0.0052	0.0064
MW-4	09/11/13	L657122-03	NA	0.00075 J	<0.005	0.021	0.026
MW-4	12/11/13	L673997-03	NA	<0.001	<0.005	0.0079	0.0052
MW-4	03/05/14	L686932-03	NA	0.00051 J	<0.005	0.047	0.014
MW-4	06/06/14	L703440-04	NA	<0.001	<0.005	<0.001	<0.003
MW-4	09/18/14	L722808-03	NA	<0.001	<0.005	<0.001	<0.003
MW-4	11/12/14	L733859-03	NA	<0.001	<0.005	<0.001	<0.003
MW-5	03/28/06	T13038-4	NA	<0.00038	<0.00036	<0.00035	<0.00072
MW-5	06/15/06	T13864-4	NA	<0.00038	<0.00036	<0.00035	<0.00072
MW-5	09/12/06	T14673-4	NA	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	12/06/06	T15625-4	NA	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	03/01/07	T16518-4	NA	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	06/01/07	T17666-4	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	09/07/07	T18804-4	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	11/13/07	T19746-4	NA	<0.0005	<0.0005	<0.0005	<0.001
MW-5	02/27/08	T21042-4	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	05/22/08	T22302-5	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	08/20/08	T23537-4	NA	<0.0005	<0.0005	<0.0005	<0.001
MW-5	11/19/08	180054	NA	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	02/17/09	187741	NA	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	05/19/09	9052214	<0.000469	<0.000149	<0.000188	<0.000178	<0.000163
MW-5	08/26/09	208338	NA	<0.000133	<0.000281	<0.000535	<0.000960
MW-5	11/17/09	215432	<0.000160	<0.000133	<0.000281	<0.000535	<0.000960
MW-5	02/09/10	222051	NA	<0.000208	<0.000208	<0.000303	<0.000326
MW-5	05/12/10	1005476-05	NA	0.00058 J	<0.00020	0.00042 J	0.001 J
MW-5	08/26/10	1008908-04	NA	<0.00020	<0.00020	<0.00020	<0.00070
MW-5	11/18/10	1011751-04	NA	<0.00020	<0.00020	<0.00020	<0.00070
MW-5	02/24/11	1102759-04	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-5	05/31/11	1106003-05	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-5	08/29/11	1108973-04	NA	<0.0010	<0.0010	<0.0010	<0.0030 P
MW-5	11/28/11	1111900-04	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-5	02/22/12	1202868-04	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-5	05/23/12	12051129-05	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-5	09/11/12	1209470-04	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-5	11/26/12	1211905-04	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-5	02/27/13	L622427-04	NA	<0.001	<0.005	0.0006	<0.003
MW-5	06/10/13	L641101-05	NA	<0.001	<0.005	<0.001	<0.003
MW-5	09/11/13	L657122-04	NA	<0.001	<0.005	<0.001	<0.003
MW-5	12/11/13	L673997-04	NA	<0.001	<0.005	<0.001	<0.003
MW-5	03/05/14	L686932-04	NA	<0.001	<0.005	<0.001	<0.003
MW-5	06/06/14	L703440-05	NA	<0.001	<0.005	<0.001	<0.003
MW-5	09/18/14	L722808-04	NA	<0.001	<0.005	<0.001	<0.003
MW-5	11/12/14	L733859-04	NA	<0.001	<0.005	<0.001	<0.003
MW-6	06/15/06	T13864-5	NA	<0.00038	<0.00036	<0.00035	<0.00072
MW-6	09/12/06	T14673-5	NA	<0.00035	<0.00020	<0.00033	<0.00036

TABLE 4
D.S. HUGH
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
PLAINS MARKETING, L.P.
D.S. HUGH SITE
SRS #2000-108007
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Sample ID	MTBE (mg/L)	SW 846-8021B			
				Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
				NMOCD Remediation Criteria			
				0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
MW-6	12/06/06	T15625-5	NA	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	03/01/07	T16518-5	NA	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	06/01/07	T17666-5	NA	<0.00021	<0.00023	<0.00035	0.0014 J
MW-6	09/07/07	T18804-5	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	11/13/07	T19746-5	NA	<0.0005	<0.0005	<0.0005	<0.001
MW-6	02/27/08	T21042-5	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	05/22/08	T22302-6	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	08/20/08	T23537-5	NA	0.0065	<0.0005	0.0037	<0.001
MW-6	11/19/08	180055	NA	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	02/17/09	187742	NA	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	05/19/09	9052214	<0.000469	<0.000149	<0.000188	<0.000178	<0.000163
MW-6	08/26/09	208339	NA	<0.000133	<0.000281	<0.000535	<0.000960
MW-6	11/17/09	215433	<0.000160	<0.000133	<0.000281	<0.000535	<0.000960
MW-6	02/09/10	222052	NA	<0.000208	<0.000208	0.0006 J	0.0007 J
MW-6	05/12/10	1005476-06	NA	<0.00020	<0.00020	<0.00020	<0.00070
MW-6	08/26/10	1008908-05	NA	<0.00020	<0.00020	<0.00020	<0.00070
MW-6	11/18/10	1011751-05	NA	<0.00020	<0.00020	<0.00020	<0.00070
MW-6	02/24/11	1102759-05	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-6	05/31/11	1106003-06	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-6	08/29/11	1108973-05	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-6	11/28/11	1111900-05	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-6	02/22/12	1202868-05	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-6	05/22/12	12051129-06	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-6	09/11/12	1209470-05	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-6	11/26/12	1211905-05	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-6	02/27/13	L622427-05	NA	<0.001	<0.005	<0.001	<0.003
MW-6	06/10/13	L641101-06	NA	<0.001	<0.005	<0.001	<0.003
MW-6	09/11/13	L657122-05	NA	<0.001	<0.005	<0.001	<0.003
MW-6	12/11/13	L673997-05	NA	<0.001	<0.005	<0.001	<0.003
MW-6	03/05/14	L686932-05	NA	<0.001	<0.005	<0.001	<0.003
MW-6	06/06/14	L703440-06	NA	<0.001	<0.005	<0.001	<0.003
MW-6	09/18/14	L722808-05	NA	<0.001	<0.005	<0.001	<0.003
MW-6	11/12/14	L733859-05	NA	<0.001	<0.005	<0.001	<0.003
MW-7	06/15/06	T13864-6	NA	<0.00038	<0.00036	<0.00035	<0.00072
MW-7	09/12/06	T14673-6	NA	**0.0163**	<0.00020	<0.00033	0.0036
MW-7	12/06/06	T15625-6	NA	**0.011**	<0.00020	<0.00033	0.004
MW-7	03/01/07	T16518-6	NA	<0.00035	<0.00020	<0.00033	0.0053
MW-7	06/01/07	T17666-6	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	09/07/07	T18804-6	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	11/13/07	T19746-6	NA	<0.0005	<0.0005	<0.0005	<0.001
MW-7	02/27/08	T21042-6	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	05/22/08	T22302-7	NA	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	08/20/08	T23537-6	NA	0.00086 J	<0.0005	0.00054 J	<0.001
MW-7*	11/19/08	180056	NA	NS	NS	NS	NS
MW-7	02/17/09	187743	NA	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	05/19/09	9052214	<0.000469	<0.000149	<0.000188	<0.000178	<0.000163
MW-7	08/26/09	208340	NA	<0.000133	<0.000281	<0.000535	<0.000960
MW-7	11/17/09	215434	<0.000160	<0.000133	<0.000281	<0.000535	<0.000960
MW-7	02/09/10	222053	NA	<0.000208	<0.000208	0.0012	0.0014
MW-7	05/12/10	1005476-07	NA	0.0017	<0.00020	0.00079 J	0.0019 J
MW-7	08/26/10	1008908-06	NA	<0.00020	<0.00020	<0.00020	<0.00070
MW-7	11/18/10	1011751-06	NA	<0.00020	<0.00020	<0.00020	<0.00070
MW-7	02/24/11	1102759-06	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-7	05/31/11	1106003-07	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-7	08/29/11	1108973-06	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-7	11/28/11	1111900-06	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-7	02/22/12	1202868-06	NA	<0.0010	<0.0010	<0.0010	<0.0030

TABLE 4
D.S. HUGH
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
PLAINS MARKETING, L.P.
D.S. HUGH SITE
SRS #2000-108007
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Sample ID	MTBE (mg/L)	SW 846-8021B			
				Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
				NMOCD Remediation Criteria			
				0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
MW-7	05/23/12	12051129-07	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-7	09/11/12	1209470-06	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-7	11/26/12	1211905-06	NA	<0.0010	<0.0010	<0.0010	<0.0030
MW-7	02/27/13	L622427-06	NA	<0.001	<0.005	<0.001	<0.003
MW-7	06/10/13	L641101-07	NA	<0.001	<0.005	<0.001	<0.003
MW-7	09/11/13	L657122-06	NA	<0.001	<0.005	<0.001	<0.003
MW-7	12/11/13	L673997-06	NA	<0.001	<0.005	<0.001	<0.003
MW-7	03/05/14	L686932-06	NA	<0.001	<0.005	<0.001	<0.003
MW-7	06/06/14	L703440-07	NA	<0.001	<0.005	<0.001	<0.003
MW-7	09/18/14	L722808-06	NA	<0.001	<0.005	<0.001	<0.003
MW-7	11/12/14	L733859-06	NA	<0.001	<0.005	<0.001	<0.003
RW-1	09/18/14	L722808-07	NA	0.0042	0.034	0.016	0.056
RW-2	09/18/14	L722808-08	NA	0.01	0.14	0.13	0.41

NMOCD: New Mexico Oil Conservation District
Exceedences of NMOCD Remediation Criteria are shown in **bold**
NA: Not analyzed
J: Analyte detected below method detection limit (MDL) but above sample detection limit (SDL)
[a] Result is from Run #2
P: Dual Column results percent difference > 40%
* MW-7 was not sampled in 4th Quarter 2008, due to root growth in the well

TABLE 5
Groundwater Analytical Results for Detected
Polynuclear Aromatic Hydrocarbons (PAHs) From Wells with Concentrations Exceeding NMOCD Standards
Plains Marketing, L.P.
D.S. Hugh Site
Lea County, New Mexico

Well	Date	Acenaphthene	Acenaphthylene	Anthracene	Chrysene	Fluoranthene	Fluorene	Naphthalene	Phenanthrene	Pyrene
Units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Other Regulatory Limits (Tap Water)*		0.365	NA	1.83	0.0291	1.46	1.46	***	1.1	0.183
MW-1	5/22/2008	<0.0015	<0.0016	<0.0018	<0.0014	<0.0016	<0.0016	0.0107	<0.0016	<0.0011
MW-1	5/19/2009	<0.0013	<0.070	<0.0808	<0.0.02	<0.0880	<0.0880	0.00667	0.00153	<0.0458
MW-1	5/12/2010	0.0037	<0.070	<0.070	<0.070	<0.070	<0.070	0.047	0.0067	<0.070
MW-1	12/7/2011	0.0051	0.0007	0.00035	0.0012	<0.002	<0.002	0.028	0.01	<0.002
MW-1	5/22/2012	0.0063	0.00995	0.0062	0.0101	0.00254	0.0309	0.468	0.144	0.00198
MW-1	6/10/2013	0.00068	0.00026	0.00035	0.00011	0.00014	0.0011	0.018	0.0022	0.00028
MW-1	6/6/2014	0.00057	0.00024	0.00027	0.00012	<0.00005	0.0011	0.021	0.0022	0.00022
MW-4	12/7/2011	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0036	0.00022	<0.002
MW-4	5/23/2012	0.000169	<0.00009	<0.00009	<0.00009	<0.00009	0.00058	0.0458	0.000716	<0.00009
MW-4	6/10/2013	0.000035	<0.0000068	<0.0000076	<0.000011	<0.000016	0.00077	0.0011	0.000076	0.000028
MW-4	6/6/2014	0.000032	0.000013	<0.00005	<0.00005	<0.000050	0.000084	0.00021	0.000038	<0.000050
RW-1	9/18/2014	0.000062	<0.000050	0.000034	<0.00005	<0.000050	0.0002	0.0038	0.00034	<0.000050
RW-2	9/18/2014	0.00069	0.00026	<0.00005	<0.00005	<0.000050	0.0016	0.026	0.0026	<0.000050

< = Not Detected
Tap Water* = NMED Tap Water Soil screening levels for residential scenarios
*** = NM Water Quality Standard for PAHs is 0.030 mg/L for total naphthalenes plus monomethylnaphthalenes (total Methylnaphthalens)
** = NM Water Standard

Table 6
2014 PSH and Dissolved Phase Groundwater Recovery
Plains Marketing, L.P.
DS Hugh Site
Lea County, New Mexico

Well ID	PSH Recoverd (gallons)	Dissolved Phase Groundwater Recovery (gallons)
MW-1	62.25	892.75
RW-1	3.00	99.00
RW-2	4.00	135.00
Total Fluids Recovered in 2012	69.25	**1126.75**

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

Table 7
2014 Soil Analytical Results
Plains Marketing, L.P.
DS Hugh Site
Lea County, New Mexico

Well Number	Sample Date	Sample ID	TX 1005				8260B				
			TPH C_6-C_{12} (mg/kg)	TPH >C_{12}-C_{28} (mg/kg)	TPH >C_{28}-C_{35} (mg/kg)	TPH C_6-C_{35} (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)
			NMOCD Remediation Criteria								
			NA	NA	NA	100*	10.0	NA	NA	NA	50
RW-1	08/05/14	15-20 ft.	<50	<50	<50	<50	<0.0050	<0.025	<0.0050	<0.015	<0.025
RW-1	08/05/14	40-45 ft.	<50	<50	<50	<50	<0.0050	<0.025	0.20	1.10	1.30
RW-1	08/05/14	45-50 ft.	<50	<50	<50	<50	<0.0050	<0.025	0.0075	0.041	0.0485
RW-2	08/05/14	40-45 ft.	<50	<50	<50	<50	<0.0050	<0.025	0.0860	0.53	0.6160
RW-2	08/05/14	45-50 ft.	<50	<50	<50	<50	<0.0050	<0.025	<0.0050	<0.015	<0.025
RW-2	08/05/14	55-60 ft.	<50	<50	<50	<50	<0.0050	<0.025	<0.0050	<0.015	<0.025

Note:
* - NMOCD Remediation Criteria for TPH C_6-C_{35} varies with depth. (0-9 ft 5,000 mg/kg) (10-19 ft 1,000 mg/kg) (>19 ft 100 mg/kg)

2014 LABORATORY ANALYTICAL DATA

1st Quarter 2014 – Lab Report # L686932

2nd Quarter 2014 – Lab Report # L703440

3rd Quarter 2014 – Lab Report # L722808

4th Quarter 2014 – Lab Report # L733859

12065 Lebanon Rd.
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Est. 1970

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

Report Summary

Thursday March 13, 2014

Report Number: L686932
Samples Received: 03/08/14
Client Project: PAA12003

Description: DS Hugh

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/BIO041, 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.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

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

March 13, 2014

ESC Sample # : L686932-01

Date Received : March 08, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW-2

Project # : PAA12003

Collected By : Shane A Diller
Collection Date : 03/05/14 17:00

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/12/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/12/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/12/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/12/14	1
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	03/12/14	1
Dibromofluoromethane	97.2				% Rec.		8260B	03/12/14	1
a,a,a-Trifluorotoluene	106.				% Rec.		8260B	03/12/14	1
4-Bromofluorobenzene	98.4				% Rec.		8260B	03/12/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 03/13/14 12:25 Printed: 03/13/14 12:26

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REPORT OF ANALYSIS

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

March 13, 2014

ESC Sample # : L686932-02

Date Received : March 08, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW-3

Project # : PAA12003

Collected By : Shane A Diller
Collection Date : 03/05/14 17:05

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/13/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/13/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/13/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/13/14	1
Surrogate Recovery									
Toluene-d8	104.				% Rec.		8260B	03/13/14	1
Dibromofluoromethane	102.				% Rec.		8260B	03/13/14	1
a,a,a-Trifluorotoluene	97.6				% Rec.		8260B	03/13/14	1
4-Bromofluorobenzene	95.2				% Rec.		8260B	03/13/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 03/13/14 12:25 Printed: 03/13/14 12:26

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REPORT OF ANALYSIS

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

March 13, 2014

ESC Sample # : L686932-03

Date Received : March 08, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW-4

Project # : PAA12003

Collected By : Shane A Diller
Collection Date : 03/05/14 17:10

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.00051	0.00033	0.00033	0.0010	mg/l	J	8260B	03/13/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/13/14	1
Ethylbenzene	0.047	0.00038	0.00038	0.0010	mg/l		8260B	03/13/14	1
Total Xylenes	0.014	0.0011	0.0011	0.0030	mg/l		8260B	03/13/14	1
Surrogate Recovery									
Toluene-d8	105.				% Rec.		8260B	03/13/14	1
Dibromofluoromethane	102.				% Rec.		8260B	03/13/14	1
a,a,a-Trifluorotoluene	97.3				% Rec.		8260B	03/13/14	1
4-Bromofluorobenzene	101.				% Rec.		8260B	03/13/14	1

U = ND (Not Detected) = Less than SDL
Note:

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Reported: 03/13/14 12:25 Printed: 03/13/14 12:26

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REPORT OF ANALYSIS

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

March 13, 2014

ESC Sample # : L686932-04

Date Received : March 08, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW-5

Project # : PAA12003

Collected By : Shane A Diller
Collection Date : 03/05/14 17:15

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/13/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/13/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/13/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/13/14	1
Surrogate Recovery									
Toluene-d8	104.				% Rec.		8260B	03/13/14	1
Dibromofluoromethane	104.				% Rec.		8260B	03/13/14	1
a,a,a-Trifluorotoluene	98.5				% Rec.		8260B	03/13/14	1
4-Bromofluorobenzene	98.2				% Rec.		8260B	03/13/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 03/13/14 12:25 Printed: 03/13/14 12:26

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REPORT OF ANALYSIS

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March 13, 2014

ESC Sample # : L686932-05

Date Received : March 08, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW-6

Project # : PAA12003

Collected By : Shane A Diller
Collection Date : 03/05/14 17:20

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/13/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/13/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/13/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/13/14	1
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	03/13/14	1
Dibromofluoromethane	101.				% Rec.		8260B	03/13/14	1
a,a,a-Trifluorotoluene	98.0				% Rec.		8260B	03/13/14	1
4-Bromofluorobenzene	97.2				% Rec.		8260B	03/13/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 03/13/14 12:25 Printed: 03/13/14 12:26

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REPORT OF ANALYSIS

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

March 13, 2014

ESC Sample # : L686932-06

Date Received : March 08, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW-7

Project # : PAA12003

Collected By : Shane A Diller
Collection Date : 03/05/14 17:25

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/12/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/12/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/12/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/12/14	1
Surrogate Recovery									
Toluene-d8	104.				% Rec.		8260B	03/12/14	1
Dibromofluoromethane	101.				% Rec.		8260B	03/12/14	1
a,a,a-Trifluorotoluene	96.4				% Rec.		8260B	03/12/14	1
4-Bromofluorobenzene	99.4				% Rec.		8260B	03/12/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 03/13/14 12:25 Printed: 03/13/14 12:26

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L686932-03	WG710622	SAMP	Benzene	R2892907	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 Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography 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
03/13/14 at 12:26:16

TSR Signing Reports: 134
R5 - Desired TAT

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

Sample: L686932-01 Account: PLAINSENT Received: 03/08/14 09:30 Due Date: 03/14/14 00:00 RPT Date: 03/13/14 12:25

Sample: L686932-02 Account: PLAINSENT Received: 03/08/14 09:30 Due Date: 03/14/14 00:00 RPT Date: 03/13/14 12:25

Sample: L686932-03 Account: PLAINSENT Received: 03/08/14 09:30 Due Date: 03/14/14 00:00 RPT Date: 03/13/14 12:25

Sample: L686932-04 Account: PLAINSENT Received: 03/08/14 09:30 Due Date: 03/14/14 00:00 RPT Date: 03/13/14 12:25

Sample: L686932-05 Account: PLAINSENT Received: 03/08/14 09:30 Due Date: 03/14/14 00:00 RPT Date: 03/13/14 12:25

Sample: L686932-06 Account: PLAINSENT Received: 03/08/14 09:30 Due Date: 03/14/14 00:00 RPT Date: 03/13/14 12:25

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Est. 1970

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

Quality Assurance Report
Level II

L686932

March 13, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< .001	mg/l			WG709983	03/12/14 09:09
Ethylbenzene	< .001	mg/l			WG709983	03/12/14 09:09
Toluene	< .005	mg/l			WG709983	03/12/14 09:09
Total Xylenes	< .003	mg/l			WG709983	03/12/14 09:09
4-Bromofluorobenzene		% Rec.	99.60	71-126	WG709983	03/12/14 09:09
Dibromofluoromethane		% Rec.	96.30	78.3-121	WG709983	03/12/14 09:09
Toluene-d8		% Rec.	101.0	88.5-111	WG709983	03/12/14 09:09
a,a,a-Trifluorotoluene		% Rec.	108.0	85-114	WG709983	03/12/14 09:09
Benzene	< .001	mg/l			WG710622	03/13/14 05:43
Ethylbenzene	< .001	mg/l			WG710622	03/13/14 05:43
Toluene	< .005	mg/l			WG710622	03/13/14 05:43
Total Xylenes	< .003	mg/l			WG710622	03/13/14 05:43
4-Bromofluorobenzene		% Rec.	96.50	71-126	WG710622	03/13/14 05:43
Dibromofluoromethane		% Rec.	101.0	78.3-121	WG710622	03/13/14 05:43
Toluene-d8		% Rec.	103.0	88.5-111	WG710622	03/13/14 05:43
a,a,a-Trifluorotoluene		% Rec.	98.90	85-114	WG710622	03/13/14 05:43
Benzene	< .001	mg/l			WG710596	03/12/14 17:59
Ethylbenzene	< .001	mg/l			WG710596	03/12/14 17:59
Toluene	< .005	mg/l			WG710596	03/12/14 17:59
Total Xylenes	< .003	mg/l			WG710596	03/12/14 17:59
4-Bromofluorobenzene		% Rec.	96.20	71-126	WG710596	03/12/14 17:59
Dibromofluoromethane		% Rec.	99.40	78.3-121	WG710596	03/12/14 17:59
Toluene-d8		% Rec.	104.0	88.5-111	WG710596	03/12/14 17:59
a,a,a-Trifluorotoluene		% Rec.	98.50	85-114	WG710596	03/12/14 17:59

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Benzene	mg/l	.025	0.0234	93.4	74.8-121	WG709983
Ethylbenzene	mg/l	.025	0.0262	105.	78.8-122	WG709983
Toluene	mg/l	.025	0.0244	97.6	79.7-116	WG709983
Total Xylenes	mg/l	.075	0.0786	105.	78.7-121	WG709983
4-Bromofluorobenzene				102.0	71-126	WG709983
Dibromofluoromethane				94.20	78.3-121	WG709983
Toluene-d8				102.0	88.5-111	WG709983
a,a,a-Trifluorotoluene				106.0	85-114	WG709983
Benzene	mg/l	.025	0.0265	106.	74.8-121	WG710622
Ethylbenzene	mg/l	.025	0.0253	101.	78.8-122	WG710622
Toluene	mg/l	.025	0.0261	105.	79.7-116	WG710622
Total Xylenes	mg/l	.075	0.0763	102.	78.7-121	WG710622
4-Bromofluorobenzene				99.00	71-126	WG710622
Dibromofluoromethane				96.80	78.3-121	WG710622
Toluene-d8				105.0	88.5-111	WG710622
a,a,a-Trifluorotoluene				101.0	85-114	WG710622
Benzene	mg/l	.025	0.0273	109.	74.8-121	WG710596
Ethylbenzene	mg/l	.025	0.0243	97.2	78.8-122	WG710596
Toluene	mg/l	.025	0.0261	105.	79.7-116	WG710596
Total Xylenes	mg/l	.075	0.0739	98.5	78.7-121	WG710596
4-Bromofluorobenzene				94.40	71-126	WG710596
Dibromofluoromethane				97.30	78.3-121	WG710596
Toluene-d8				105.0	88.5-111	WG710596

* Performance of this Analyte is outside of established criteria.
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Level II

L686932

March 13, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
a,a,a-Trifluorotoluene					98.90		85-114	

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/l	0.0235	0.0234	94.0	74.8-121	0.770	20	WG709983
Ethylbenzene	mg/l	0.0265	0.0262	106.	78.8-122	1.28	20	WG709983
Toluene	mg/l	0.0245	0.0244	98.0	79.7-116	0.260	20	WG709983
Total Xylenes	mg/l	0.0799	0.0786	106.	78.7-121	1.56	20	WG709983
4-Bromofluorobenzene				100.0	71-126			WG709983
Dibromofluoromethane				93.40	78.3-121			WG709983
Toluene-d8				99.80	88.5-111			WG709983
a,a,a-Trifluorotoluene				108.0	85-114			WG709983
Benzene	mg/l	0.0266	0.0265	106.	74.8-121	0.570	20	WG710622
Ethylbenzene	mg/l	0.0247	0.0253	99.0	78.8-122	2.25	20	WG710622
Toluene	mg/l	0.0258	0.0261	103.	79.7-116	1.08	20	WG710622
Total Xylenes	mg/l	0.0750	0.0763	100.	78.7-121	1.67	20	WG710622
4-Bromofluorobenzene				97.90	71-126			WG710622
Dibromofluoromethane				98.70	78.3-121			WG710622
Toluene-d8				103.0	88.5-111			WG710622
a,a,a-Trifluorotoluene				99.60	85-114			WG710622
Benzene	mg/l	0.0269	0.0273	108.	74.8-121	1.36	20	WG710596
Ethylbenzene	mg/l	0.0247	0.0243	99.0	78.8-122	1.50	20	WG710596
Toluene	mg/l	0.0253	0.0261	101.	79.7-116	3.24	20	WG710596
Total Xylenes	mg/l	0.0734	0.0739	98.0	78.7-121	0.620	20	WG710596
4-Bromofluorobenzene				97.00	71-126			WG710596
Dibromofluoromethane				101.0	78.3-121			WG710596
Toluene-d8				104.0	88.5-111			WG710596
a,a,a-Trifluorotoluene				98.90	85-114			WG710596

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/l	0.0206	0.00677	.025	55.0	54.3-133	L686972-03	WG709983
Ethylbenzene	mg/l	0.0164	0.0	.025	66.0	61.4-133	L686972-03	WG709983
Toluene	mg/l	0.0159	0.0	.025	63.0	61.4-130	L686972-03	WG709983
Total Xylenes	mg/l	0.0482	0.0	.075	64.0	63.3-131	L686972-03	WG709983
4-Bromofluorobenzene					102.0	71-126		WG709983
Dibromofluoromethane					95.60	78.3-121		WG709983
Toluene-d8					98.40	88.5-111		WG709983
a,a,a-Trifluorotoluene					104.0	85-114		WG709983
Benzene	mg/l	0.0257	0.0	.025	100.	54.3-133	L686932-02	WG710622
Ethylbenzene	mg/l	0.0243	0.0	.025	97.0	61.4-133	L686932-02	WG710622
Toluene	mg/l	0.0247	0.0	.025	99.0	61.4-130	L686932-02	WG710622
Total Xylenes	mg/l	0.0742	0.0	.075	99.0	63.3-131	L686932-02	WG710622
4-Bromofluorobenzene					98.60	71-126		WG710622
Dibromofluoromethane					98.10	78.3-121		WG710622
Toluene-d8					103.0	88.5-111		WG710622
a,a,a-Trifluorotoluene					98.80	85-114		WG710622
Benzene	mg/l	0.0248	0.0	.025	99.0	54.3-133	L686932-06	WG710596
Ethylbenzene	mg/l	0.0224	0.0	.025	90.0	61.4-133	L686932-06	WG710596

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Quality Assurance Report
Level II

L686932

March 13, 2014

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Toluene	mg/l	0.0237	0.0	.025	95.0	61.4-130	L686932-06	WG710596
Total Xylenes	mg/l	0.0682	0.0	.075	91.0	63.3-131	L686932-06	WG710596
4-Bromofluorobenzene					96.60	71-126		WG710596
Dibromofluoromethane					99.20	78.3-121		WG710596
Toluene-d8					103.0	88.5-111		WG710596
a,a,a-Trifluorotoluene					99.20	85-114		WG710596

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/l	0.0232	0.0206	65.8	54.3-133	12.0	20	L686972-03	WG709983
Ethylbenzene	mg/l	0.0187	0.0164	74.9	61.4-133	13.2	20	L686972-03	WG709983
Toluene	mg/l	0.0186	0.0159	74.3	61.4-130	15.8	20	L686972-03	WG709983
Total Xylenes	mg/l	0.0555	0.0482	74.0	63.3-131	14.1	20	L686972-03	WG709983
4-Bromofluorobenzene				101.0	71-126				WG709983
Dibromofluoromethane				95.80	78.3-121				WG709983
Toluene-d8				99.90	88.5-111				WG709983
a,a,a-Trifluorotoluene				104.0	85-114				WG709983
Benzene	mg/l	0.0258	0.0257	103.	54.3-133	0.180	20	L686932-02	WG710622
Ethylbenzene	mg/l	0.0243	0.0243	97.2	61.4-133	0.0100	20	L686932-02	WG710622
Toluene	mg/l	0.0251	0.0247	100.	61.4-130	1.76	20	L686932-02	WG710622
Total Xylenes	mg/l	0.0744	0.0742	99.2	63.3-131	0.300	20	L686932-02	WG710622
4-Bromofluorobenzene				97.90	71-126				WG710622
Dibromofluoromethane				98.60	78.3-121				WG710622
Toluene-d8				103.0	88.5-111				WG710622
a,a,a-Trifluorotoluene				98.70	85-114				WG710622
Benzene	mg/l	0.0219	0.0248	87.4	54.3-133	12.8	20	L686932-06	WG710596
Ethylbenzene	mg/l	0.0196	0.0224	78.3	61.4-133	13.4	20	L686932-06	WG710596
Toluene	mg/l	0.0202	0.0237	80.7	61.4-130	15.9	20	L686932-06	WG710596
Total Xylenes	mg/l	0.0591	0.0682	78.7	63.3-131	14.4	20	L686932-06	WG710596
4-Bromofluorobenzene				95.00	71-126				WG710596
Dibromofluoromethane				101.0	78.3-121				WG710596
Toluene-d8				101.0	88.5-111				WG710596
a,a,a-Trifluorotoluene				96.60	85-114				WG710596

Batch number /Run number / Sample number cross reference

WG709983: R2892701: L686932-01
WG710622: R2892907: L686932-02 03 04 05
WG710596: R2892917: L686932-06

* * 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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Quality Assurance Report
Level II

L686932

March 13, 2014

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, cjbryant@paalp.com

Project Description: DS Hugh

City/State Collected: Eunice NM

Phone: 979-997-2338
Fax:

Client Project # PAA12003

Lab Project # PLAINSENT-DSHUGH

Collected by (print): SHANE DILLER

Site/Facility ID # SRS - 2000-10807

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Fax: 615-758-5859

L# 686932

D150

Acctnum: PLAINSENT
Template: T86710
Prelogin: P459524
TSR: 134 - Mark W. Beasley
PB: 2-24 TS
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl	Rem./Contaminant	Sample # (lab only)
mw 2	G	GW		3-5-14	1700	2	X		-01
mw 3		GW			1705	2	X		02
mw 4		GW			1710	2	X		-03
mw 5		GW			1715	2	X		-04
mw 6		GW			1720	2	X		-05
mw 7	G	GW		3-5-14	1725	2	X		-06
		GW				2	X		
		GW				2	X		

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

Remarks:

585147212389

pH _____ Temp _____

Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	3-7-14	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____

Temp: 3.6 °C Bottles Received: 12

Date: 3/8/14 Time: 0930

Condition: (ok) (lab use only) JW

COC Seal Intact: ✓ Y ___N ___NA

pH Checked: NCF:

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Report Summary

Thursday June 12, 2014

Report Number: L703440
Samples Received: 06/07/14
Client Project: PAA12003

Description: DS Hugh

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/BIO041, 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.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

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

June 12, 2014

ESC Sample # : L703440-01

Date Received : June 07, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW-1

Project # : PAA12003

Collected By : Shane A. Diller
Collection Date : 06/06/14 14:35

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.036	0.00033	0.0033	0.010	mg/l		8260B	06/09/14	10
Toluene	0.19	0.00078	0.0078	0.050	mg/l		8260B	06/09/14	10
Ethylbenzene	0.15	0.00038	0.0038	0.010	mg/l		8260B	06/09/14	10
Total Xylenes	0.36	0.0011	0.011	0.030	mg/l		8260B	06/09/14	10
Surrogate Recovery									
Toluene-d8	106.				% Rec.		8260B	06/09/14	10
Dibromofluoromethane	102.				% Rec.		8260B	06/09/14	10
a,a,a-Trifluorotoluene	99.9				% Rec.		8260B	06/09/14	10
4-Bromofluorobenzene	106.				% Rec.		8260B	06/09/14	10
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.00027	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/11/14	1
Acenaphthene	0.00057	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/11/14	1
Acenaphthylene	0.00024	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/11/14	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/11/14	1
Benzo(a)pyrene	0.000076	0.000012	0.000012	0.000050	mg/l		8270C-S	06/11/14	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/11/14	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/11/14	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/11/14	1
Chrysene	0.00012	0.000011	0.000011	0.000050	mg/l		8270C-S	06/11/14	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/11/14	1
Dibenzofuran	0.0014	0.0000011	0.0000010	0.000050	mg/l		8270C-S	06/11/14	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	06/11/14	1
Fluorene	0.0011	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/11/14	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/11/14	1
Naphthalene	0.021	0.000020	0.000020	0.00025	mg/l		8270C-S	06/11/14	1
Phenanthrene	0.0022	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/11/14	1
Pyrene	0.00022	0.000012	0.000012	0.000050	mg/l		8270C-S	06/11/14	1
1-Methylnaphthalene	0.021	0.0000082	0.0000082	0.00025	mg/l		8270C-S	06/11/14	1
2-Methylnaphthalene	0.024	0.0000090	0.0000090	0.00025	mg/l		8270C-S	06/11/14	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/11/14	1
Surrogate Recovery									
Nitrobenzene-d5	123.				% Rec.		8270C-S	06/11/14	1
2-Fluorobiphenyl	103.				% Rec.		8270C-S	06/11/14	1
p-Terphenyl-d14	122.				% Rec.		8270C-S	06/11/14	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
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 12, 2014

ESC Sample # : L703440-02

Date Received : June 07, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW-2

Project # : PAA12003

Collected By : Shane A. Diller
Collection Date : 06/06/14 13:40

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	06/08/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	06/08/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	06/08/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	06/08/14	1
Surrogate Recovery									
Toluene-d8	104.				% Rec.		8260B	06/08/14	1
Dibromofluoromethane	104.				% Rec.		8260B	06/08/14	1
a,a,a-Trifluorotoluene	98.5				% Rec.		8260B	06/08/14	1
4-Bromofluorobenzene	105.				% Rec.		8260B	06/08/14	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

June 12, 2014

ESC Sample # : L703440-03

Date Received : June 07, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW-3

Project # : PAA12003

Collected By : Shane A. Diller
Collection Date : 06/06/14 12:30

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	06/09/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	06/09/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	06/09/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	06/09/14	1
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	06/09/14	1
Dibromofluoromethane	105.				% Rec.		8260B	06/09/14	1
a,a,a-Trifluorotoluene	97.2				% Rec.		8260B	06/09/14	1
4-Bromofluorobenzene	102.				% Rec.		8260B	06/09/14	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
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 12, 2014

ESC Sample # : L703440-04

Date Received : June 07, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW-4

Project # : PAA12003

Collected By : Shane A. Diller
Collection Date : 06/06/14 13:55

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	06/09/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	06/09/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	06/09/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	06/09/14	1
Surrogate Recovery									
Toluene-d8	104.				% Rec.		8260B	06/09/14	1
Dibromofluoromethane	103.				% Rec.		8260B	06/09/14	1
a,a,a-Trifluorotoluene	99.3				% Rec.		8260B	06/09/14	1
4-Bromofluorobenzene	101.				% Rec.		8260B	06/09/14	1
Polynuclear Aromatic Hydrocarbons									
Anthracene	U	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/11/14	1
Acenaphthene	0.000032	0.0000082	0.0000082	0.000050	mg/l	J	8270C-S	06/11/14	1
Acenaphthylene	0.000013	0.0000068	0.0000068	0.000050	mg/l	J	8270C-S	06/11/14	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/11/14	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/11/14	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/11/14	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/11/14	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/11/14	1
Chrysene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/11/14	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/11/14	1
Dibenzofuran	0.00018	0.0000011	0.0000010	0.000050	mg/l		8270C-S	06/11/14	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	06/11/14	1
Fluorene	0.000084	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/11/14	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/11/14	1
Naphthalene	0.00021	0.000020	0.000020	0.00025	mg/l	J	8270C-S	06/11/14	1
Phenanthrene	0.000038	0.0000082	0.0000082	0.000050	mg/l	J	8270C-S	06/11/14	1
Pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/11/14	1
1-Methylnaphthalene	0.00011	0.0000082	0.0000082	0.00025	mg/l	J	8270C-S	06/11/14	1
2-Methylnaphthalene	0.000054	0.0000090	0.0000090	0.00025	mg/l	J	8270C-S	06/11/14	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/11/14	1
Surrogate Recovery									
Nitrobenzene-d5	115.				% Rec.		8270C-S	06/11/14	1
2-Fluorobiphenyl	101.				% Rec.		8270C-S	06/11/14	1
p-Terphenyl-d14	117.				% Rec.		8270C-S	06/11/14	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

June 12, 2014

ESC Sample # : L703440-05

Date Received : June 07, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW-5

Project # : PAA12003

Collected By : Shane A. Diller
Collection Date : 06/06/14 13:45

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	06/09/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	06/09/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	06/09/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	06/09/14	1
Surrogate Recovery									
Toluene-d8	105.				% Rec.		8260B	06/09/14	1
Dibromofluoromethane	104.				% Rec.		8260B	06/09/14	1
a,a,a-Trifluorotoluene	98.8				% Rec.		8260B	06/09/14	1
4-Bromofluorobenzene	98.2				% Rec.		8260B	06/09/14	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
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 12, 2014

ESC Sample # : L703440-06

Date Received : June 07, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW-6

Project # : PAA12003

Collected By : Shane A. Diller
Collection Date : 06/06/14 13:50

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	06/09/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	06/09/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	06/09/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	06/09/14	1
Surrogate Recovery									
Toluene-d8	105.				% Rec.		8260B	06/09/14	1
Dibromofluoromethane	103.				% Rec.		8260B	06/09/14	1
a,a,a-Trifluorotoluene	98.2				% Rec.		8260B	06/09/14	1
4-Bromofluorobenzene	106.				% Rec.		8260B	06/09/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 06/12/14 10:24 Printed: 06/12/14 10:25

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REPORT OF ANALYSIS

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21 Waterway Ave., Suite 300
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June 12, 2014

ESC Sample # : L703440-07

Date Received : June 07, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW-7

Project # : PAA12003

Collected By : Shane A. Diller
Collection Date : 06/06/14 13:05

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	06/09/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	06/09/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	06/09/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	06/09/14	1
Surrogate Recovery									
Toluene-d8	104.				% Rec.		8260B	06/09/14	1
Dibromofluoromethane	103.				% Rec.		8260B	06/09/14	1
a,a,a-Trifluorotoluene	97.5				% Rec.		8260B	06/09/14	1
4-Bromofluorobenzene	103.				% Rec.		8260B	06/09/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 06/12/14 10:24 Printed: 06/12/14 10:25

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L703440-04	WG725392	SAMP	Acenaphthene	R2938796	J
	WG725392	SAMP	Acenaphthylene	R2938796	J
	WG725392	SAMP	Naphthalene	R2938796	J
	WG725392	SAMP	Phenanthrene	R2938796	J
	WG725392	SAMP	1-Methylnaphthalene	R2938796	J
	WG725392	SAMP	2-Methylnaphthalene	R2938796	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 Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography 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
06/12/14 at 10:25:12

TSR Signing Reports: 134
R5 - Desired TAT

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

Sample: L703440-01 Account: PLAINSENT Received: 06/07/14 10:00 Due Date: 06/13/14 00:00 RPT Date: 06/12/14 10:24

Sample: L703440-02 Account: PLAINSENT Received: 06/07/14 10:00 Due Date: 06/13/14 00:00 RPT Date: 06/12/14 10:24

Sample: L703440-03 Account: PLAINSENT Received: 06/07/14 10:00 Due Date: 06/13/14 00:00 RPT Date: 06/12/14 10:24

Sample: L703440-04 Account: PLAINSENT Received: 06/07/14 10:00 Due Date: 06/13/14 00:00 RPT Date: 06/12/14 10:24

Sample: L703440-05 Account: PLAINSENT Received: 06/07/14 10:00 Due Date: 06/13/14 00:00 RPT Date: 06/12/14 10:24

Sample: L703440-06 Account: PLAINSENT Received: 06/07/14 10:00 Due Date: 06/13/14 00:00 RPT Date: 06/12/14 10:24

Sample: L703440-07 Account: PLAINSENT Received: 06/07/14 10:00 Due Date: 06/13/14 00:00 RPT Date: 06/12/14 10:24

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

Quality Assurance Report
Level II

L703440

June 12, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1-Methylnaphthalene	< .00025	mg/l			WG725392	06/11/14 01:08
2-Chloronaphthalene	< .00005	mg/l			WG725392	06/11/14 01:08
2-Methylnaphthalene	< .00025	mg/l			WG725392	06/11/14 01:08
Acenaphthene	< .00005	mg/l			WG725392	06/11/14 01:08
Acenaphthylene	< .00005	mg/l			WG725392	06/11/14 01:08
Anthracene	< .00005	mg/l			WG725392	06/11/14 01:08
Benzo(a)anthracene	< .00005	mg/l			WG725392	06/11/14 01:08
Benzo(a)pyrene	< .00005	mg/l			WG725392	06/11/14 01:08
Benzo(b)fluoranthene	< .00005	mg/l			WG725392	06/11/14 01:08
Benzo(g,h,i)perylene	< .00005	mg/l			WG725392	06/11/14 01:08
Benzo(k)fluoranthene	< .00005	mg/l			WG725392	06/11/14 01:08
Chrysene	< .00005	mg/l			WG725392	06/11/14 01:08
Dibenz(a,h)anthracene	< .00005	mg/l			WG725392	06/11/14 01:08
Dibenzofuran	< .00005	mg/l			WG725392	06/11/14 01:08
Fluoranthene	< .00005	mg/l			WG725392	06/11/14 01:08
Fluorene	< .00005	mg/l			WG725392	06/11/14 01:08
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG725392	06/11/14 01:08
Naphthalene	< .00025	mg/l			WG725392	06/11/14 01:08
Phenanthrene	< .00005	mg/l			WG725392	06/11/14 01:08
Pyrene	< .00005	mg/l			WG725392	06/11/14 01:08
2-Fluorobiphenyl		% Rec.	101.0	57.7-153	WG725392	06/11/14 01:08
Nitrobenzene-d5		% Rec.	103.0	45.1-170	WG725392	06/11/14 01:08
p-Terphenyl-d14		% Rec.	113.0	53.2-156	WG725392	06/11/14 01:08
Benzene	< .001	mg/l			WG725270	06/08/14 22:56
Ethylbenzene	< .001	mg/l			WG725270	06/08/14 22:56
Toluene	< .005	mg/l			WG725270	06/08/14 22:56
Total Xylenes	< .003	mg/l			WG725270	06/08/14 22:56
4-Bromofluorobenzene		% Rec.	106.0	71-126	WG725270	06/08/14 22:56
Dibromofluoromethane		% Rec.	99.30	78.3-121	WG725270	06/08/14 22:56
Toluene-d8		% Rec.	106.0	88.5-111	WG725270	06/08/14 22:56
a,a,a-Trifluorotoluene		% Rec.	98.90	85-114	WG725270	06/08/14 22:56

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1-Methylnaphthalene	mg/l	.002	0.00230	115.	73.2-141	WG725392
2-Chloronaphthalene	mg/l	.002	0.00213	107.	74.2-135	WG725392
2-Methylnaphthalene	mg/l	.002	0.00234	117.	72.4-141	WG725392
Acenaphthene	mg/l	.002	0.00212	106.	76.2-136	WG725392
Acenaphthylene	mg/l	.002	0.00205	103.	71.3-139	WG725392
Anthracene	mg/l	.002	0.00222	111.	77.3-144	WG725392
Benzo(a)anthracene	mg/l	.002	0.00238	119.	71.4-142	WG725392
Benzo(a)pyrene	mg/l	.002	0.00240	120.	70.8-140	WG725392
Benzo(b)fluoranthene	mg/l	.002	0.00221	111.	68-142	WG725392
Benzo(g,h,i)perylene	mg/l	.002	0.00210	105.	62.8-146	WG725392
Benzo(k)fluoranthene	mg/l	.002	0.00219	109.	70.1-144	WG725392
Chrysene	mg/l	.002	0.00246	123.	73.6-143	WG725392
Dibenz(a,h)anthracene	mg/l	.002	0.00194	96.9	56.1-147	WG725392
Dibenzofuran	mg/l	.002	0.00206	103.	78.8-137	WG725392
Fluoranthene	mg/l	.002	0.00214	107.	77.9-147	WG725392
Fluorene	mg/l	.002	0.00206	103.	75.3-136	WG725392
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00203	101.	61.6-147	WG725392
Naphthalene	mg/l	.002	0.00229	115.	72.2-137	WG725392
Phenanthrene	mg/l	.002	0.00207	103.	76-133	WG725392
Pyrene	mg/l	.002	0.00243	122.	73-139	WG725392
2-Fluorobiphenyl				111.0	57.7-153	WG725392
Nitrobenzene-d5				121.0	45.1-170	WG725392

* 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

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

Quality Assurance Report
Level II

L703440

June 12, 2014

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
p-Terphenyl-d14				122.0	53.2-156	
Benzene	mg/l	.025	0.0292	117.	74.8-121	WG725270
Ethylbenzene	mg/l	.025	0.0255	102.	78.8-122	WG725270
Toluene	mg/l	.025	0.0271	108.	79.7-116	WG725270
Total Xylenes	mg/l	.075	0.0762	102.	78.7-121	WG725270
4-Bromofluorobenzene				96.70	71-126	WG725270
Dibromofluoromethane				106.0	78.3-121	WG725270
Toluene-d8				106.0	88.5-111	WG725270
a,a,a-Trifluorotoluene				98.60	85-114	WG725270

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1-Methylnaphthalene	mg/l	0.00223	0.00230	111.	73.2-141	3.25	20	WG725392
2-Chloronaphthalene	mg/l	0.00204	0.00213	102.	74.2-135	4.19	20	WG725392
2-Methylnaphthalene	mg/l	0.00219	0.00234	109.	72.4-141	6.53	20	WG725392
Acenaphthene	mg/l	0.00201	0.00212	100.	76.2-136	5.60	20	WG725392
Acenaphthylene	mg/l	0.00194	0.00205	97.0	71.3-139	5.75	20	WG725392
Anthracene	mg/l	0.00211	0.00222	106.	77.3-144	4.98	20	WG725392
Benzo(a)anthracene	mg/l	0.00227	0.00238	113.	71.4-142	4.95	20	WG725392
Benzo(a)pyrene	mg/l	0.00229	0.00240	114.	70.8-140	4.56	20	WG725392
Benzo(b)fluoranthene	mg/l	0.00214	0.00221	107.	68-142	3.25	20	WG725392
Benzo(g,h,i)perylene	mg/l	0.00198	0.00210	99.0	62.8-146	6.20	20	WG725392
Benzo(k)fluoranthene	mg/l	0.00211	0.00219	105.	70.1-144	3.60	20	WG725392
Chrysene	mg/l	0.00233	0.00246	116.	73.6-143	5.72	20	WG725392
Dibenz(a,h)anthracene	mg/l	0.00179	0.00194	89.0	56.1-147	8.18	20	WG725392
Dibenzofuran	mg/l	0.00188	0.00206	94.0	78.8-137	8.90	20	WG725392
Fluoranthene	mg/l	0.00205	0.00214	103.	77.9-147	4.09	20	WG725392
Fluorene	mg/l	0.00197	0.00206	98.0	75.3-136	4.57	20	WG725392
Indeno(1,2,3-cd)pyrene	mg/l	0.00193	0.00203	96.0	61.6-147	4.89	20	WG725392
Naphthalene	mg/l	0.00211	0.00229	106.	72.2-137	8.14	20	WG725392
Phenanthrene	mg/l	0.00195	0.00207	97.0	76-133	5.93	20	WG725392
Pyrene	mg/l	0.00228	0.00243	114.	73-139	6.23	20	WG725392
2-Fluorobiphenyl				105.0	57.7-153			WG725392
Nitrobenzene-d5				113.0	45.1-170			WG725392
p-Terphenyl-d14				114.0	53.2-156			WG725392
Benzene	mg/l	0.0273	0.0292	109.	74.8-121	6.73	20	WG725270
Ethylbenzene	mg/l	0.0248	0.0255	99.0	78.8-122	2.87	20	WG725270
Toluene	mg/l	0.0253	0.0271	101.	79.7-116	6.60	20	WG725270
Total Xylenes	mg/l	0.0741	0.0762	99.0	78.7-121	2.75	20	WG725270
4-Bromofluorobenzene				98.80	71-126			WG725270
Dibromofluoromethane				106.0	78.3-121			WG725270
Toluene-d8				105.0	88.5-111			WG725270
a,a,a-Trifluorotoluene				98.00	85-114			WG725270

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/l	0.0252	0.0	.025	100.	54.3-133	L703440-02	WG725270
Ethylbenzene	mg/l	0.0241	0.0	.025	96.0	61.4-133	L703440-02	WG725270
Toluene	mg/l	0.0237	0.0	.025	95.0	61.4-130	L703440-02	WG725270
Total Xylenes	mg/l	0.0722	0.0	.075	96.0	63.3-131	L703440-02	WG725270
4-Bromofluorobenzene					102.0	71-126		WG725270
Dibromofluoromethane					106.0	78.3-121		WG725270
Toluene-d8					103.0	88.5-111		WG725270
a,a,a-Trifluorotoluene					97.20	85-114		WG725270

* 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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Kathleen Buxton
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Quality Assurance Report
Level II

L703440

June 12, 2014

Analyte	Units	Matrix Spike MSD	Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/l	0.0261	0.0252	104.	54.3-133	3.84	20	L703440-02	WG725270
Ethylbenzene	mg/l	0.0243	0.0241	97.4	61.4-133	1.10	20	L703440-02	WG725270
Toluene	mg/l	0.0244	0.0237	97.4	61.4-130	2.86	20	L703440-02	WG725270
Total Xylenes	mg/l	0.0735	0.0722	98.0	63.3-131	1.75	20	L703440-02	WG725270
4-Bromofluorobenzene				103.0	71-126				WG725270
Dibromofluoromethane				108.0	78.3-121				WG725270
Toluene-d8				105.0	88.5-111				WG725270
a,a,a-Trifluorotoluene				98.60	85-114				WG725270

Batch number /Run number / Sample number cross reference

WG725392: R2938796: L703440-01 04
WG725270: R2939048: L703440-01 02 03 04 05 06 07

* * 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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EnTech Consulting Corporation
Kathleen Buxton
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The Woodlands, TX 77380

Quality Assurance Report
Level II

L703440

June 12, 2014

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, cjbryant@paalp.com

Project Description: DS Hugh

City/State Collected:

Phone: 979-997-2338
Fax:

Client Project # PAA12003

Lab Project # PLAINSENT-DSHUGH

Collected by (print): Shane Diller

Site/Facility ID # SRS - 2000-10807

P.O. #

Collected by (signature): [signature]
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X_Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PAHSIMLVI 40mlAmb-NoPres-WT	V8260BTEX 40mlAmb-HCl									Rem./Contaminant	Sample # (lab only)
MW-1	Grab	GW		6-6-14	1435	4	X	X										-01
MW-2					1340	2		X										02
MW-3					1230	2		X										03
MW-4					1355	4	X	X										04
MW-5					1345	2		X										05
MW-6					1350	2		X										06
MW-7					1305	2		X										07

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

5990 1134 7448

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
[signature]	6-6-14	1700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			[signature]

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____
Temp: 3.1 °C Bottles Received: 18 + TB
Date: 6/7/14 Time: 1000

Hold #
Condition: (lab use only) SR3 (OK)
COC Seal Intact: ✓ Y ___N ___NA
pH Checked: NCF:

Chain of Custody Page 1 of 1

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Phone: 800-767-5859
Fax: 615-758-5859

L# L703440

H113

Acctnum: PLAINSENT
Template: T94127
Prelogin: P468627
TSR: 134 - Mark W. Beasley
PB: 5-13-14 MWB

Shipped Via: FedEx Ground

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

Report Summary

Thursday August 14, 2014

Report Number: L714946
Samples Received: 08/09/14
Client Project: PAA12003

Description: DS Hugh

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/BIO041, 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.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

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

August 14, 2014

ESC Sample # : L714946-01

Date Received : August 09, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : RW-1 15-20FT

Project # : PAA12003

Collected By : Kathleen Buxton
Collection Date : 08/05/14 09:30

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0014	0.0050	mg/kg		8260B	08/13/14	5
Toluene	U	0.00043	0.0022	0.025	mg/kg		8260B	08/13/14	5
Ethylbenzene	U	0.00030	0.0015	0.0050	mg/kg		8260B	08/13/14	5
Total Xylenes	U	0.00070	0.0035	0.015	mg/kg		8260B	08/13/14	5
Surrogate Recovery									
Toluene-d8	96.2				% Rec.		8260B	08/13/14	5
Dibromofluoromethane	90.3				% Rec.		8260B	08/13/14	5
a,a,a-Trifluorotoluene	107.				% Rec.		8260B	08/13/14	5
4-Bromofluorobenzene	102.				% Rec.		8260B	08/13/14	5
TCEQ Method 1005 - TPH									
TPH C6 - C12	U	15.	15.	50.	mg/kg		TX 1005	08/13/14	1
TPH C12 - C28	U	15.	15.	50.	mg/kg		TX 1005	08/13/14	1
TPH C28 - C35	U	15.	15.	50.	mg/kg		TX 1005	08/13/14	1
TPH C6 - C35	U	15.	15.	50.	mg/kg		TX 1005	08/13/14	1
Surrogate Recovery									
o-Terphenyl	83.7				% Rec.		TX 1005	08/13/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 08/14/14 16:29 Printed: 08/14/14 16:30

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REPORT OF ANALYSIS

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

August 14, 2014

ESC Sample # : L714946-02

Date Received : August 09, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : RW-1 40-45FT

Project # : PAA12003

Collected By : Kathleen Buxton
Collection Date : 08/05/14 10:20

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0068	0.025	mg/kg		8260B	08/14/14	25
Toluene	U	0.00043	0.011	0.13	mg/kg		8260B	08/14/14	25
Ethylbenzene	0.20	0.00030	0.0074	0.025	mg/kg		8260B	08/14/14	25
Total Xylenes	1.1	0.00070	0.017	0.075	mg/kg		8260B	08/14/14	25
Surrogate Recovery									
Toluene-d8	98.8				% Rec.		8260B	08/14/14	25
Dibromofluoromethane	89.0				% Rec.		8260B	08/14/14	25
a,a,a-Trifluorotoluene	97.2				% Rec.		8260B	08/14/14	25
4-Bromofluorobenzene	121.				% Rec.		8260B	08/14/14	25
TCEQ Method 1005 - TPH									
TPH C6 - C12	U	15.	15.	50.	mg/kg		TX 1005	08/13/14	1
TPH C12 - C28	U	15.	15.	50.	mg/kg		TX 1005	08/13/14	1
TPH C28 - C35	U	15.	15.	50.	mg/kg		TX 1005	08/13/14	1
TPH C6 - C35	U	15.	15.	50.	mg/kg		TX 1005	08/13/14	1
Surrogate Recovery									
o-Terphenyl	82.3				% Rec.		TX 1005	08/13/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 08/14/14 16:29 Printed: 08/14/14 16:30
L714946-02 (V8260BTEX) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

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

August 14, 2014

ESC Sample # : L714946-03

Date Received : August 09, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : RW-1 45-50FT

Project # : PAA12003

Collected By : Kathleen Buxton
Collection Date : 08/05/14 10:30

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0068	0.025	mg/kg		8260B	08/14/14	25
Toluene	U	0.00043	0.011	0.13	mg/kg		8260B	08/14/14	25
Ethylbenzene	0.0075	0.00030	0.0074	0.025	mg/kg	J	8260B	08/14/14	25
Total Xylenes	0.041	0.00070	0.017	0.075	mg/kg	J	8260B	08/14/14	25
Surrogate Recovery									
Toluene-d8	93.6				% Rec.		8260B	08/14/14	25
Dibromofluoromethane	89.8				% Rec.		8260B	08/14/14	25
a,a,a-Trifluorotoluene	97.0				% Rec.		8260B	08/14/14	25
4-Bromofluorobenzene	114.				% Rec.		8260B	08/14/14	25
TCEQ Method 1005 - TPH									
TPH C6 - C12	U	15.	15.	50.	mg/kg		TX 1005	08/13/14	1
TPH C12 - C28	U	15.	15.	50.	mg/kg		TX 1005	08/13/14	1
TPH C28 - C35	U	15.	15.	50.	mg/kg		TX 1005	08/13/14	1
TPH C6 - C35	U	15.	15.	50.	mg/kg		TX 1005	08/13/14	1
Surrogate Recovery									
o-Terphenyl	91.1				% Rec.		TX 1005	08/13/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 08/14/14 16:29 Printed: 08/14/14 16:30
L714946-03 (V8260BTEX) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

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

August 14, 2014

ESC Sample # : L714946-04

Date Received : August 09, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : RW-2 40-45FT

Project # : PAA12003

Collected By : Kathleen Buxton
Collection Date : 08/05/14 16:10

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.014	0.050	mg/kg		8260B	08/12/14	50
Toluene	U	0.00043	0.022	0.25	mg/kg		8260B	08/12/14	50
Ethylbenzene	0.086	0.00030	0.015	0.050	mg/kg		8260B	08/12/14	50
Total Xylenes	0.53	0.00070	0.035	0.15	mg/kg		8260B	08/12/14	50
Surrogate Recovery									
Toluene-d8	93.7				% Rec.		8260B	08/12/14	50
Dibromofluoromethane	92.0				% Rec.		8260B	08/12/14	50
a,a,a-Trifluorotoluene	96.2				% Rec.		8260B	08/12/14	50
4-Bromofluorobenzene	106.				% Rec.		8260B	08/12/14	50
TCEQ Method 1005 - TPH									
TPH C6 - C12	U	15.	15.	50.	mg/kg		TX 1005	08/14/14	1
TPH C12 - C28	U	15.	15.	50.	mg/kg		TX 1005	08/14/14	1
TPH C28 - C35	U	15.	15.	50.	mg/kg		TX 1005	08/14/14	1
TPH C6 - C35	U	15.	15.	50.	mg/kg		TX 1005	08/14/14	1
Surrogate Recovery									
o-Terphenyl	88.6				% Rec.		TX 1005	08/14/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 08/14/14 16:29 Printed: 08/14/14 16:30

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REPORT OF ANALYSIS

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

August 14, 2014

ESC Sample # : L714946-05

Date Received : August 09, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : RW-2 45-50FT

Project # : PAA12003

Collected By : Kathleen Buxton
Collection Date : 08/05/14 16:20

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0014	0.0050	mg/kg		8260B	08/12/14	5
Toluene	U	0.00043	0.0022	0.025	mg/kg		8260B	08/12/14	5
Ethylbenzene	U	0.00030	0.0015	0.0050	mg/kg		8260B	08/12/14	5
Total Xylenes	U	0.00070	0.0035	0.015	mg/kg		8260B	08/12/14	5
Surrogate Recovery									
Toluene-d8	96.0				% Rec.		8260B	08/12/14	5
Dibromofluoromethane	95.0				% Rec.		8260B	08/12/14	5
a,a,a-Trifluorotoluene	96.6				% Rec.		8260B	08/12/14	5
4-Bromofluorobenzene	97.7				% Rec.		8260B	08/12/14	5
TCEQ Method 1005 - TPH									
TPH C6 - C12	U	15.	15.	50.	mg/kg		TX 1005	08/14/14	1
TPH C12 - C28	U	15.	15.	50.	mg/kg		TX 1005	08/14/14	1
TPH C28 - C35	U	15.	15.	50.	mg/kg		TX 1005	08/14/14	1
TPH C6 - C35	U	15.	15.	50.	mg/kg		TX 1005	08/14/14	1
Surrogate Recovery									
o-Terphenyl	80.6				% Rec.		TX 1005	08/14/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 08/14/14 16:29 Printed: 08/14/14 16:30

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Est. 1970

REPORT OF ANALYSIS

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

August 14, 2014

ESC Sample # : L714946-06

Date Received : August 09, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : RW-2 55-60FT

Project # : PAA12003

Collected By : Kathleen Buxton
Collection Date : 08/05/14 16:30

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0014	0.0050	mg/kg		8260B	08/12/14	5
Toluene	U	0.00043	0.0022	0.025	mg/kg		8260B	08/12/14	5
Ethylbenzene	U	0.00030	0.0015	0.0050	mg/kg		8260B	08/12/14	5
Total Xylenes	U	0.00070	0.0035	0.015	mg/kg		8260B	08/12/14	5
Surrogate Recovery									
Toluene-d8	95.1				% Rec.		8260B	08/12/14	5
Dibromofluoromethane	98.3				% Rec.		8260B	08/12/14	5
a,a,a-Trifluorotoluene	94.4				% Rec.		8260B	08/12/14	5
4-Bromofluorobenzene	95.1				% Rec.		8260B	08/12/14	5
TCEQ Method 1005 - TPH									
TPH C6 - C12	U	15.	15.	50.	mg/kg		TX 1005	08/14/14	1
TPH C12 - C28	U	15.	15.	50.	mg/kg		TX 1005	08/14/14	1
TPH C28 - C35	U	15.	15.	50.	mg/kg		TX 1005	08/14/14	1
TPH C6 - C35	U	15.	15.	50.	mg/kg		TX 1005	08/14/14	1
Surrogate Recovery									
o-Terphenyl	80.7				% Rec.		TX 1005	08/14/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 08/14/14 16:29 Printed: 08/14/14 16:30

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L714946-03	WG737190	SAMP	Ethylbenzene	R2976254	J
	WG737190	SAMP	Total Xylenes	R2976254	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 Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography 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
08/14/14 at 16:30:26

TSR Signing Reports: 134
R5 - Desired TAT

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

Sample: L714946-01 Account: PLAINSENT Received: 08/09/14 09:00 Due Date: 08/15/14 00:00 RPT Date: 08/14/14 16:29

Sample: L714946-02 Account: PLAINSENT Received: 08/09/14 09:00 Due Date: 08/15/14 00:00 RPT Date: 08/14/14 16:29

Sample: L714946-03 Account: PLAINSENT Received: 08/09/14 09:00 Due Date: 08/15/14 00:00 RPT Date: 08/14/14 16:29

Sample: L714946-04 Account: PLAINSENT Received: 08/09/14 09:00 Due Date: 08/15/14 00:00 RPT Date: 08/14/14 16:29

Sample: L714946-05 Account: PLAINSENT Received: 08/09/14 09:00 Due Date: 08/15/14 00:00 RPT Date: 08/14/14 16:29

Sample: L714946-06 Account: PLAINSENT Received: 08/09/14 09:00 Due Date: 08/15/14 00:00 RPT Date: 08/14/14 16:29

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Quality Assurance Report
Level II

L714946

August 14, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< .001	mg/kg			WG736970	08/12/14 20:00
Ethylbenzene	< .001	mg/kg			WG736970	08/12/14 20:00
Toluene	< .005	mg/kg			WG736970	08/12/14 20:00
Total Xylenes	< .003	mg/kg			WG736970	08/12/14 20:00
4-Bromofluorobenzene		% Rec.	102.0	71-126	WG736970	08/12/14 20:00
Dibromofluoromethane		% Rec.	90.50	78.3-121	WG736970	08/12/14 20:00
Toluene-d8		% Rec.	96.10	88.5-111	WG736970	08/12/14 20:00
a,a,a-Trifluorotoluene		% Rec.	111.0	85-114	WG736970	08/12/14 20:00
Benzene	< .001	mg/kg			WG736705	08/11/14 21:11
Ethylbenzene	< .001	mg/kg			WG736705	08/11/14 21:11
Toluene	< .005	mg/kg			WG736705	08/11/14 21:11
Total Xylenes	< .003	mg/kg			WG736705	08/11/14 21:11
4-Bromofluorobenzene		% Rec.	95.00	71-126	WG736705	08/11/14 21:11
Dibromofluoromethane		% Rec.	97.00	78.3-121	WG736705	08/11/14 21:11
Toluene-d8		% Rec.	94.30	88.5-111	WG736705	08/11/14 21:11
a,a,a-Trifluorotoluene		% Rec.	97.00	85-114	WG736705	08/11/14 21:11
TPH C12 - C28	< 50	mg/kg			WG736904	08/13/14 21:34
TPH C28 - C35	< 50	mg/kg			WG736904	08/13/14 21:34
TPH C6 - C12	< 50	mg/kg			WG736904	08/13/14 21:34
TPH C6 - C35	< 50	mg/kg			WG736904	08/13/14 21:34
o-Terphenyl		% Rec.	86.10	70-130	WG736904	08/13/14 21:34
Benzene	< .001	mg/kg			WG737190	08/13/14 23:01
Ethylbenzene	< .001	mg/kg			WG737190	08/13/14 23:01
Toluene	< .005	mg/kg			WG737190	08/13/14 23:01
Total Xylenes	< .003	mg/kg			WG737190	08/13/14 23:01
4-Bromofluorobenzene		% Rec.	94.40	71-126	WG737190	08/13/14 23:01
Dibromofluoromethane		% Rec.	92.90	78.3-121	WG737190	08/13/14 23:01
Toluene-d8		% Rec.	96.10	88.5-111	WG737190	08/13/14 23:01
a,a,a-Trifluorotoluene		% Rec.	96.50	85-114	WG737190	08/13/14 23:01

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	.025	0.0219	87.7	77.1-121	WG736970
Ethylbenzene	mg/kg	.025	0.0275	110.	79.7-122	WG736970
Toluene	mg/kg	.025	0.0238	95.3	79.7-118	WG736970
Total Xylenes	mg/kg	.075	0.0840	112.	78.8-121	WG736970
4-Bromofluorobenzene				101.0	71-126	WG736970
Dibromofluoromethane				85.00	78.3-121	WG736970
Toluene-d8				95.50	88.5-111	WG736970
a,a,a-Trifluorotoluene				108.0	85-114	WG736970
Benzene	mg/kg	.025	0.0225	90.1	77.1-121	WG736705
Ethylbenzene	mg/kg	.025	0.0230	91.9	79.7-122	WG736705
Toluene	mg/kg	.025	0.0225	90.1	79.7-118	WG736705
Total Xylenes	mg/kg	.075	0.0688	91.7	78.8-121	WG736705
4-Bromofluorobenzene				92.40	71-126	WG736705
Dibromofluoromethane				95.90	78.3-121	WG736705
Toluene-d8				96.00	88.5-111	WG736705
a,a,a-Trifluorotoluene				94.70	85-114	WG736705

* 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

L714946

August 14, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
TPH C12 - C28	mg/kg	250	196.	78.3	75-125	WG736904
TPH C6 - C12	mg/kg	250	189.	75.4	75-125	WG736904
TPH C6 - C35	mg/kg	500	384.	76.9	75-125	WG736904
o-Terphenyl				85.40	70-130	WG736904
Benzene	mg/kg	.025	0.0226	90.4	77.1-121	WG737190
Ethylbenzene	mg/kg	.025	0.0234	93.5	79.7-122	WG737190
Toluene	mg/kg	.025	0.0218	87.3	79.7-118	WG737190
Total Xylenes	mg/kg	.075	0.0703	93.8	78.8-121	WG737190
4-Bromofluorobenzene				98.20	71-126	WG737190
Dibromofluoromethane				95.30	78.3-121	WG737190
Toluene-d8				92.70	88.5-111	WG737190
a,a,a-Trifluorotoluene				95.10	85-114	WG737190

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0.0219	0.0219	88.0	77.1-121	0.160	20	WG736970
Ethylbenzene	mg/kg	0.0284	0.0275	113.	79.7-122	3.06	20	WG736970
Toluene	mg/kg	0.0242	0.0238	97.0	79.7-118	1.51	20	WG736970
Total Xylenes	mg/kg	0.0857	0.0840	114.	78.8-121	2.03	20	WG736970
4-Bromofluorobenzene				99.80	71-126			WG736970
Dibromofluoromethane				83.80	78.3-121			WG736970
Toluene-d8				95.00	88.5-111			WG736970
a,a,a-Trifluorotoluene				107.0	85-114			WG736970
Benzene	mg/kg	0.0230	0.0225	92.0	77.1-121	2.23	20	WG736705
Ethylbenzene	mg/kg	0.0232	0.0230	93.0	79.7-122	0.890	20	WG736705
Toluene	mg/kg	0.0226	0.0225	90.0	79.7-118	0.460	20	WG736705
Total Xylenes	mg/kg	0.0688	0.0688	92.0	78.8-121	0.0500	20	WG736705
4-Bromofluorobenzene				91.90	71-126			WG736705
Dibromofluoromethane				94.40	78.3-121			WG736705
Toluene-d8				95.40	88.5-111			WG736705
a,a,a-Trifluorotoluene				95.50	85-114			WG736705
TPH C12 - C28	mg/kg	206.	196.	82.0	75-125	5.04	20	WG736904
TPH C6 - C12	mg/kg	198.	189.	79.0	75-125	4.98	20	WG736904
TPH C6 - C35	mg/kg	404.	384.	81.0	75-125	5.01	20	WG736904
o-Terphenyl				92.30	70-130			WG736904
Benzene	mg/kg	0.0216	0.0226	86.0	77.1-121	4.34	20	WG737190
Ethylbenzene	mg/kg	0.0230	0.0234	92.0	79.7-122	1.45	20	WG737190
Toluene	mg/kg	0.0208	0.0218	83.0	79.7-118	4.91	20	WG737190
Total Xylenes	mg/kg	0.0703	0.0703	94.0	78.8-121	0.0	20	WG737190
4-Bromofluorobenzene				97.50	71-126			WG737190
Dibromofluoromethane				94.30	78.3-121			WG737190
Toluene-d8				92.70	88.5-111			WG737190
a,a,a-Trifluorotoluene				96.10	85-114			WG737190

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.0960	0.000373	.025	76.0	54.3-133	L715098-06	WG736970
Ethylbenzene	mg/kg	0.120	0.0	.025	96.0	61.4-133	L715098-06	WG736970
Toluene	mg/kg	0.104	0.0	.025	84.0	61.4-130	L715098-06	WG736970

* Performance of this Analyte is outside of established criteria.
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Quality Assurance Report
Level II

L714946

August 14, 2014

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Total Xylenes	mg/kg	0.367	0.0	.075	98.0	63.3-131	L715098-06	WG736970
4-Bromofluorobenzene					98.70	71-126		WG736970
Dibromofluoromethane					86.70	78.3-121		WG736970
Toluene-d8					95.60	88.5-111		WG736970
a,a,a-Trifluorotoluene					108.0	85-114		WG736970
Benzene	mg/kg	0.0971	0.0	.025	78.0	54.3-133	L714980-01	WG736705
Ethylbenzene	mg/kg	0.0957	0.0	.025	76.0	61.4-133	L714980-01	WG736705
Toluene	mg/kg	0.0926	0.0	.025	74.0	61.4-130	L714980-01	WG736705
Total Xylenes	mg/kg	0.283	0.000301	.075	76.0	63.3-131	L714980-01	WG736705
4-Bromofluorobenzene					95.60	71-126		WG736705
Dibromofluoromethane					98.40	78.3-121		WG736705
Toluene-d8					95.50	88.5-111		WG736705
a,a,a-Trifluorotoluene					93.80	85-114		WG736705
TPH C12 - C28	mg/kg	186.	0.0	250	74.0*	75-125	L714866-02	WG736904
TPH C6 - C12	mg/kg	180.	0.0	250	72.0*	75-125	L714866-02	WG736904
TPH C6 - C35	mg/kg	367.	0.0	500	73.0*	75-125	L714866-02	WG736904
o-Terphenyl					93.50	70-130		WG736904
Benzene	mg/kg	0.599	0.00102	.025	96.0	54.3-133	L714946-02	WG737190
Ethylbenzene	mg/kg	0.782	0.196	.025	94.0	61.4-133	L714946-02	WG737190
Toluene	mg/kg	0.601	0.00869	.025	95.0	61.4-130	L714946-02	WG737190
Total Xylenes	mg/kg	2.82	1.09	.075	92.0	63.3-131	L714946-02	WG737190
4-Bromofluorobenzene					114.0	71-126		WG737190
Dibromofluoromethane					93.20	78.3-121		WG737190
Toluene-d8					98.10	88.5-111		WG737190
a,a,a-Trifluorotoluene					95.80	85-114		WG737190

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg	0.0992	0.0960	79.1	54.3-133	3.23	20	L715098-06	WG736970
Ethylbenzene	mg/kg	0.125	0.120	100.	61.4-133	3.87	20	L715098-06	WG736970
Toluene	mg/kg	0.109	0.104	87.0	61.4-130	4.06	20	L715098-06	WG736970
Total Xylenes	mg/kg	0.374	0.367	99.7	63.3-131	1.92	20	L715098-06	WG736970
4-Bromofluorobenzene				101.0	71-126				WG736970
Dibromofluoromethane				87.90	78.3-121				WG736970
Toluene-d8				95.90	88.5-111				WG736970
a,a,a-Trifluorotoluene				107.0	85-114				WG736970
Benzene	mg/kg	0.102	0.0971	81.9	54.3-133	5.34	20	L714980-01	WG736705
Ethylbenzene	mg/kg	0.0933	0.0957	74.6	61.4-133	2.56	20	L714980-01	WG736705
Toluene	mg/kg	0.0965	0.0926	77.2	61.4-130	4.22	20	L714980-01	WG736705
Total Xylenes	mg/kg	0.275	0.283	73.3	63.3-131	2.88	20	L714980-01	WG736705
4-Bromofluorobenzene				90.50	71-126				WG736705
Dibromofluoromethane				108.0	78.3-121				WG736705
Toluene-d8				95.40	88.5-111				WG736705
a,a,a-Trifluorotoluene				93.50	85-114				WG736705
TPH C12 - C28	mg/kg	204.	186.	81.7	75-125	9.20	20	L714866-02	WG736904
TPH C6 - C12	mg/kg	198.	180.	79.4	75-125	9.65	20	L714866-02	WG736904
TPH C6 - C35	mg/kg	403.	367.	80.6	75-125	9.42	20	L714866-02	WG736904
o-Terphenyl				88.00	70-130				WG736904

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Quality Assurance Report
Level II

L714946

August 14, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg	0.595	0.599	95.1	54.3-133	0.670	20	L714946-02	WG737190
Ethylbenzene	mg/kg	0.790	0.782	95.0	61.4-133	1.00	20	L714946-02	WG737190
Toluene	mg/kg	0.606	0.601	95.5	61.4-130	0.750	20	L714946-02	WG737190
Total Xylenes	mg/kg	2.82	2.82	92.3	63.3-131	0.210	20	L714946-02	WG737190
4-Bromofluorobenzene				113.0	71-126				WG737190
Dibromofluoromethane				93.70	78.3-121				WG737190
Toluene-d8				97.70	88.5-111				WG737190
a,a,a-Trifluorotoluene				97.40	85-114				WG737190

Batch number /Run number / Sample number cross reference

WG736970: R2975399: L714946-01
WG736705: R2975510: L714946-04 05 06
WG736904: R2976152: L714946-01 02 03 04 05 06
WG737190: R2976254: L714946-02 03

* * 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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Level II

L714946

August 14, 2014

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, cjbryant@paalp.com

Project Description: DS Hugh

City/State Collected: Eunice, NM

Phone: 979-997-2338
Fax:

Client Project # PAA12003

Lab Project # PLAINSENT-DSHUGH

Collected by (print): Kathleen Buxton

Site/Facility ID # SRS - 2000-10807

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TPHTX 4ozClr-NoPres	V8260BTEX 2ozClr-NoPres	Rem./Contaminant	Sample # (lab only)
RW-1 (15-20)		SS	15-20	8.5.14	930	2	X	X		-01
RW-1 (40-45)		SS	40-45	8.5.14	1020	2	X	X		02
RW-1 (45-50)		SS	45-50	8.5.14	1030	2	X	X		03
RW-2 (40-45)		SS	40-45	8.5.14	1610	2	X	X		04
RW-2 (45-50)		SS	45-50	8.5.14	1620	2	X	X		05
RW-2 (55-60)		SS	55-60	8.5.14	1630	2	X	X		06
		SS				2	X	X		
		SS				2	X	X		

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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L# L714946

J236

Acctnum: PLAINSENT
Template: T95922
Prelogin: P477736
TSR: 134 - Mark W. Beasley
PB: 8-1-14

Shipped Via: FedEX Ground

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

Remarks: TB

1008972761359

pH _____ Temp _____

Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	8.8.14		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____

Temp: 3.8 °C Bottles Received: 6 4oz + TB

Date: 8/9/14 Time: 0900

Condition: 5 (lab use only)

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

Friday September 26, 2014

Report Number: L722808
Samples Received: 09/19/14
Client Project: PAA12003

Description: DS Hugh

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/BIO041, 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.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

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

September 26, 2014

ESC Sample # : L722808-01

Site ID : SRS - 2000-10807

Project # : PAA12003

Date Received : September 19, 2014
Description : DS Hugh

Sample ID : MW2

Collected By : James White
Collection Date : 09/18/14 15:05

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	09/25/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	09/25/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	09/25/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	09/25/14	1
Surrogate Recovery									
Toluene-d8	105.				% Rec.		8260B	09/25/14	1
Dibromofluoromethane	105.				% Rec.		8260B	09/25/14	1
a,a,a-Trifluorotoluene	107.				% Rec.		8260B	09/25/14	1
4-Bromofluorobenzene	107.				% Rec.		8260B	09/25/14	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
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 26, 2014

ESC Sample # : L722808-02

Date Received : September 19, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW3

Project # : PAA12003

Collected By : James White
Collection Date : 09/18/14 15:00

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	09/25/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	09/25/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	09/25/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	09/25/14	1
Surrogate Recovery									
Toluene-d8	105.				% Rec.		8260B	09/25/14	1
Dibromofluoromethane	106.				% Rec.		8260B	09/25/14	1
a,a,a-Trifluorotoluene	107.				% Rec.		8260B	09/25/14	1
4-Bromofluorobenzene	104.				% Rec.		8260B	09/25/14	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

September 26, 2014

Date Received : September 19, 2014
Description : DS Hugh

Sample ID : MW4

Collected By : James White
Collection Date : 09/18/14 14:15

ESC Sample # : L722808-03

Site ID : SRS - 2000-10807

Project # : PAA12003

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	09/25/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	09/25/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	09/25/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	09/25/14	1
Surrogate Recovery									
Toluene-d8	104.				% Rec.		8260B	09/25/14	1
Dibromofluoromethane	110.				% Rec.		8260B	09/25/14	1
a,a,a-Trifluorotoluene	109.				% Rec.		8260B	09/25/14	1
4-Bromofluorobenzene	107.				% Rec.		8260B	09/25/14	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

September 26, 2014

Date Received : September 19, 2014
Description : DS Hugh

Sample ID : MW5

Collected By : James White
Collection Date : 09/18/14 14:50

ESC Sample # : L722808-04

Site ID : SRS - 2000-10807

Project # : PAA12003

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	09/25/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	09/25/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	09/25/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	09/25/14	1
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	09/25/14	1
Dibromofluoromethane	106.				% Rec.		8260B	09/25/14	1
a,a,a-Trifluorotoluene	108.				% Rec.		8260B	09/25/14	1
4-Bromofluorobenzene	104.				% Rec.		8260B	09/25/14	1

U = ND (Not Detected) = Less than SDL
Note:
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REPORT OF ANALYSIS

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September 26, 2014

ESC Sample # : L722808-05

Site ID : SRS - 2000-10807

Project # : PAA12003

Date Received : September 19, 2014
Description : DS Hugh

Sample ID : MW6

Collected By : James White
Collection Date : 09/18/14 14:35

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	09/25/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	09/25/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	09/25/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	09/25/14	1
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	09/25/14	1
Dibromofluoromethane	108.				% Rec.		8260B	09/25/14	1
a,a,a-Trifluorotoluene	111.				% Rec.		8260B	09/25/14	1
4-Bromofluorobenzene	103.				% Rec.		8260B	09/25/14	1

U = ND (Not Detected) = Less than SDL
Note:
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Kathleen Buxton
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September 26, 2014

ESC Sample # : L722808-06

Date Received : September 19, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW7

Project # : PAA12003

Collected By : James White
Collection Date : 09/18/14 14:25

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	09/23/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	09/23/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	09/23/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	09/23/14	1
Surrogate Recovery									
Toluene-d8	107.				% Rec.		8260B	09/23/14	1
Dibromofluoromethane	103.				% Rec.		8260B	09/23/14	1
a,a,a-Trifluorotoluene	109.				% Rec.		8260B	09/23/14	1
4-Bromofluorobenzene	103.				% Rec.		8260B	09/23/14	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

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September 26, 2014

ESC Sample # : L722808-07

Site ID : SRS - 2000-10807

Project # : PAA12003

Date Received : September 19, 2014
Description : DS Hugh

Sample ID : RW1

Collected By : James White
Collection Date : 09/18/14 15:25

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.0042	0.00033	0.00033	0.0010	mg/l		8260B	09/25/14	1
Toluene	0.034	0.00078	0.00078	0.0050	mg/l		8260B	09/25/14	1
Ethylbenzene	0.016	0.00038	0.00038	0.0010	mg/l		8260B	09/25/14	1
Total Xylenes	0.056	0.0011	0.0011	0.0030	mg/l		8260B	09/25/14	1
Surrogate Recovery									
Toluene-d8	98.5				% Rec.		8260B	09/25/14	1
Dibromofluoromethane	93.3				% Rec.		8260B	09/25/14	1
a,a,a-Trifluorotoluene	106.				% Rec.		8260B	09/25/14	1
4-Bromofluorobenzene	103.				% Rec.		8260B	09/25/14	1

U = ND (Not Detected) = Less than SDL
Note:
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Reported: 09/26/14 11:01 Printed: 09/26/14 11:02

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REPORT OF ANALYSIS

Kathleen Buxton
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September 26, 2014

ESC Sample # : L722808-08

Date Received : September 19, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : RW2

Project # : PAA12003

Collected By : James White
Collection Date : 09/18/14 14:45

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.010	0.00033	0.0033	0.010	mg/l		8260B	09/23/14	10
Toluene	0.14	0.00078	0.0078	0.050	mg/l		8260B	09/23/14	10
Ethylbenzene	0.13	0.00038	0.0038	0.010	mg/l		8260B	09/23/14	10
Total Xylenes	0.41	0.0011	0.011	0.030	mg/l		8260B	09/23/14	10
Surrogate Recovery									
Toluene-d8	107.				% Rec.		8260B	09/23/14	10
Dibromofluoromethane	106.				% Rec.		8260B	09/23/14	10
a,a,a-Trifluorotoluene	107.				% Rec.		8260B	09/23/14	10
4-Bromofluorobenzene	106.				% Rec.		8260B	09/23/14	10

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

September 26, 2014

ESC Sample # : L722808-09

Site ID : SRS - 2000-10807

Project # : PAA12003

Date Received : September 19, 2014
Description : DS Hugh

Sample ID : RW1

Collected By : James White
Collection Date : 09/18/14 15:25

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.000034	0.0000076	0.0000076	0.000050	mg/l	J	8270C-S	09/25/14	1
Acenaphthene	0.000062	0.0000082	0.0000082	0.000050	mg/l		8270C-S	09/25/14	1
Acenaphthylene	U	0.0000068	0.0000068	0.000050	mg/l		8270C-S	09/25/14	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	09/25/14	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	09/25/14	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	09/25/14	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	09/25/14	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	09/25/14	1
Chrysene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	09/25/14	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	09/25/14	1
Dibenzofuran	0.00027	0.0000011	0.0000010	0.000050	mg/l		8270C-S	09/25/14	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	09/25/14	1
Fluorene	0.00020	0.0000085	0.0000085	0.000050	mg/l		8270C-S	09/25/14	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	09/25/14	1
Naphthalene	0.0038	0.000020	0.000020	0.00025	mg/l		8270C-S	09/25/14	1
Phenanthrene	0.00034	0.0000082	0.0000082	0.000050	mg/l		8270C-S	09/25/14	1
Pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	09/25/14	1
1-Methylnaphthalene	0.0049	0.0000082	0.0000082	0.00025	mg/l		8270C-S	09/25/14	1
2-Methylnaphthalene	0.0041	0.0000090	0.0000090	0.00025	mg/l		8270C-S	09/25/14	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	09/25/14	1
Surrogate Recovery									
Nitrobenzene-d5	63.3				% Rec.		8270C-S	09/25/14	1
2-Fluorobiphenyl	87.2				% Rec.		8270C-S	09/25/14	1
p-Terphenyl-d14	92.2				% Rec.		8270C-S	09/25/14	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

September 26, 2014

ESC Sample # : L722808-10

Site ID : SRS - 2000-10807

Project # : PAA12003

Date Received : September 19, 2014
Description : DS Hugh

Sample ID : RW2

Collected By : James White
Collection Date : 09/18/14 14:45

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons									
Anthracene	U	0.0000076	0.0000076	0.000050	mg/l		8270C-S	09/25/14	1
Acenaphthene	0.00069	0.0000082	0.0000082	0.000050	mg/l		8270C-S	09/25/14	1
Acenaphthylene	0.00026	0.0000068	0.0000068	0.000050	mg/l		8270C-S	09/25/14	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	09/25/14	1
Benzo(a)pyrene	0.000050	0.000012	0.000012	0.000050	mg/l	J	8270C-S	09/25/14	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	09/25/14	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	09/25/14	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	09/25/14	1
Chrysene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	09/25/14	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	09/25/14	1
Dibenzofuran	0.0024	0.0000011	0.0000010	0.000050	mg/l		8270C-S	09/25/14	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	09/25/14	1
Fluorene	0.0016	0.0000085	0.0000085	0.000050	mg/l		8270C-S	09/25/14	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	09/25/14	1
Naphthalene	0.026	0.000020	0.000020	0.00025	mg/l		8270C-S	09/25/14	1
Phenanthrene	0.0026	0.0000082	0.0000082	0.000050	mg/l		8270C-S	09/25/14	1
Pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	09/25/14	1
1-Methylnaphthalene	0.028	0.0000082	0.0000082	0.00025	mg/l		8270C-S	09/25/14	1
2-Methylnaphthalene	0.033	0.0000090	0.0000090	0.00025	mg/l		8270C-S	09/25/14	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	09/25/14	1
Surrogate Recovery									
Nitrobenzene-d5	114.				% Rec.		8270C-S	09/25/14	1
2-Fluorobiphenyl	94.0				% Rec.		8270C-S	09/25/14	1
p-Terphenyl-d14	97.2				% Rec.		8270C-S	09/25/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 09/26/14 11:01 Printed: 09/26/14 11:02

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L722808-09	WG744412	SAMP	Anthracene	R2993101	J
L722808-10	WG744412	SAMP	Benzo(a)pyrene	R2993101	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 Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography 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
09/26/14 at 11:02:26

TSR Signing Reports: 134
R5 - Desired TAT

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

Sample: L722808-01 Account: PLAINSENT Received: 09/19/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/26/14 11:01

Sample: L722808-02 Account: PLAINSENT Received: 09/19/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/26/14 11:01

Sample: L722808-03 Account: PLAINSENT Received: 09/19/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/26/14 11:01

Sample: L722808-04 Account: PLAINSENT Received: 09/19/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/26/14 11:01

Sample: L722808-05 Account: PLAINSENT Received: 09/19/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/26/14 11:01

Sample: L722808-06 Account: PLAINSENT Received: 09/19/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/26/14 11:01

Sample: L722808-07 Account: PLAINSENT Received: 09/19/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/26/14 11:01

Sample: L722808-08 Account: PLAINSENT Received: 09/19/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/26/14 11:01

Sample: L722808-09 Account: PLAINSENT Received: 09/19/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/26/14 11:01

Sample: L722808-10 Account: PLAINSENT Received: 09/19/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/26/14 11:01

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Quality Assurance Report
Level II

L722808

September 26, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< .001	mg/l			WG744160	09/23/14 12:07
Ethylbenzene	< .001	mg/l			WG744160	09/23/14 12:07
Toluene	< .005	mg/l			WG744160	09/23/14 12:07
Total Xylenes	< .003	mg/l			WG744160	09/23/14 12:07
4-Bromofluorobenzene		% Rec.	107.0	71-126	WG744160	09/23/14 12:07
Dibromofluoromethane		% Rec.	105.0	78.3-121	WG744160	09/23/14 12:07
Toluene-d8		% Rec.	109.0	88.5-111	WG744160	09/23/14 12:07
a,a,a-Trifluorotoluene		% Rec.	107.0	85-114	WG744160	09/23/14 12:07
Benzene	< .001	mg/l			WG744159	09/24/14 23:06
Ethylbenzene	< .001	mg/l			WG744159	09/24/14 23:06
Toluene	< .005	mg/l			WG744159	09/24/14 23:06
Total Xylenes	< .003	mg/l			WG744159	09/24/14 23:06
4-Bromofluorobenzene		% Rec.	110.0	71-126	WG744159	09/24/14 23:06
Dibromofluoromethane		% Rec.	103.0	78.3-121	WG744159	09/24/14 23:06
Toluene-d8		% Rec.	102.0	88.5-111	WG744159	09/24/14 23:06
a,a,a-Trifluorotoluene		% Rec.	107.0	85-114	WG744159	09/24/14 23:06
Benzene	< .001	mg/l			WG744949	09/25/14 12:33
Ethylbenzene	< .001	mg/l			WG744949	09/25/14 12:33
Toluene	< .005	mg/l			WG744949	09/25/14 12:33
Total Xylenes	< .003	mg/l			WG744949	09/25/14 12:33
4-Bromofluorobenzene		% Rec.	104.0	71-126	WG744949	09/25/14 12:33
Dibromofluoromethane		% Rec.	89.90	78.3-121	WG744949	09/25/14 12:33
Toluene-d8		% Rec.	99.40	88.5-111	WG744949	09/25/14 12:33
a,a,a-Trifluorotoluene		% Rec.	107.0	85-114	WG744949	09/25/14 12:33
1-Methylnaphthalene	< .00025	mg/l			WG744412	09/25/14 16:37
2-Chloronaphthalene	< .00005	mg/l			WG744412	09/25/14 16:37
2-Methylnaphthalene	< .00025	mg/l			WG744412	09/25/14 16:37
Acenaphthene	< .00005	mg/l			WG744412	09/25/14 16:37
Acenaphthylene	< .00005	mg/l			WG744412	09/25/14 16:37
Anthracene	< .00005	mg/l			WG744412	09/25/14 16:37
Benzo(a)anthracene	< .00005	mg/l			WG744412	09/25/14 16:37
Benzo(a)pyrene	< .00005	mg/l			WG744412	09/25/14 16:37
Benzo(b)fluoranthene	< .00005	mg/l			WG744412	09/25/14 16:37
Benzo(g,h,i)perylene	< .00005	mg/l			WG744412	09/25/14 16:37
Benzo(k)fluoranthene	< .00005	mg/l			WG744412	09/25/14 16:37
Chrysene	< .00005	mg/l			WG744412	09/25/14 16:37
Dibenz(a,h)anthracene	< .00005	mg/l			WG744412	09/25/14 16:37
Dibenzofuran	< .00005	mg/l			WG744412	09/25/14 16:37
Fluoranthene	< .00005	mg/l			WG744412	09/25/14 16:37
Fluorene	< .00005	mg/l			WG744412	09/25/14 16:37
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG744412	09/25/14 16:37
Naphthalene	< .00025	mg/l			WG744412	09/25/14 16:37
Phenanthrene	< .00005	mg/l			WG744412	09/25/14 16:37
Pyrene	< .00005	mg/l			WG744412	09/25/14 16:37
2-Fluorobiphenyl		% Rec.	94.40	57.7-153	WG744412	09/25/14 16:37
Nitrobenzene-d5		% Rec.	88.20	45.1-170	WG744412	09/25/14 16:37
p-Terphenyl-d14		% Rec.	88.50	53.2-156	WG744412	09/25/14 16:37

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Benzene	mg/l	.025	0.0269	107.	74.8-121	WG744160
Ethylbenzene	mg/l	.025	0.0248	99.2	78.8-122	WG744160

* 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

L722808

September 26, 2014

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Toluene	mg/l	.025	0.0252	101.	79.7-116	WG744160
Total Xylenes	mg/l	.075	0.0724	96.6	78.7-121	WG744160
4-Bromofluorobenzene				103.0	71-126	WG744160
Dibromofluoromethane				109.0	78.3-121	WG744160
Toluene-d8				109.0	88.5-111	WG744160
a,a,a-Trifluorotoluene				104.0	85-114	WG744160
Benzene	mg/l	.025	0.0220	87.9	74.8-121	WG744159
Ethylbenzene	mg/l	.025	0.0262	105.	78.8-122	WG744159
Toluene	mg/l	.025	0.0222	88.9	79.7-116	WG744159
Total Xylenes	mg/l	.075	0.0801	107.	78.7-121	WG744159
4-Bromofluorobenzene				110.0	71-126	WG744159
Dibromofluoromethane				99.20	78.3-121	WG744159
Toluene-d8				98.30	88.5-111	WG744159
a,a,a-Trifluorotoluene				110.0	85-114	WG744159
Benzene	mg/l	.025	0.0239	95.5	74.8-121	WG744949
Ethylbenzene	mg/l	.025	0.0279	112.	78.8-122	WG744949
Toluene	mg/l	.025	0.0253	101.	79.7-116	WG744949
Total Xylenes	mg/l	.075	0.0835	111.	78.7-121	WG744949
4-Bromofluorobenzene				104.0	71-126	WG744949
Dibromofluoromethane				94.40	78.3-121	WG744949
Toluene-d8				102.0	88.5-111	WG744949
a,a,a-Trifluorotoluene				107.0	85-114	WG744949
1-Methylnaphthalene	mg/l	.002	0.00241	121.	73.2-141	WG744412
2-Chloronaphthalene	mg/l	.002	0.00200	99.9	74.2-135	WG744412
2-Methylnaphthalene	mg/l	.002	0.00209	105.	72.4-141	WG744412
Acenaphthene	mg/l	.002	0.00190	95.0	76.2-136	WG744412
Acenaphthylene	mg/l	.002	0.00192	96.2	71.3-139	WG744412
Anthracene	mg/l	.002	0.00220	110.	77.3-144	WG744412
Benzo(a)anthracene	mg/l	.002	0.00192	96.1	71.4-142	WG744412
Benzo(a)pyrene	mg/l	.002	0.00195	97.7	70.8-140	WG744412
Benzo(b)fluoranthene	mg/l	.002	0.00180	90.0	68-142	WG744412
Benzo(g,h,i)perylene	mg/l	.002	0.00173	86.5	62.8-146	WG744412
Benzo(k)fluoranthene	mg/l	.002	0.00209	104.	70.1-144	WG744412
Chrysene	mg/l	.002	0.00211	106.	73.6-143	WG744412
Dibenz(a,h)anthracene	mg/l	.002	0.00179	89.3	56.1-147	WG744412
Dibenzofuran	mg/l	.002	0.00195	97.3	78.8-137	WG744412
Fluoranthene	mg/l	.002	0.00217	109.	77.9-147	WG744412
Fluorene	mg/l	.002	0.00197	98.4	75.3-136	WG744412
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00180	90.1	61.6-147	WG744412
Naphthalene	mg/l	.002	0.00207	103.	72.2-137	WG744412
Phenanthrene	mg/l	.002	0.00194	97.0	76-133	WG744412
Pyrene	mg/l	.002	0.00194	96.8	73-139	WG744412
2-Fluorobiphenyl				92.10	57.7-153	WG744412
Nitrobenzene-d5				98.60	45.1-170	WG744412
p-Terphenyl-d14				91.00	53.2-156	WG744412

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/l	0.0268	0.0269	107.	74.8-121	0.370	20	WG744160
Ethylbenzene	mg/l	0.0252	0.0248	101.	78.8-122	1.68	20	WG744160
Toluene	mg/l	0.0253	0.0252	101.	79.7-116	0.510	20	WG744160
Total Xylenes	mg/l	0.0742	0.0724	99.0	78.7-121	2.41	20	WG744160

* Performance of this Analyte is outside of established criteria.
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Quality Assurance Report
Level II

L722808

September 26, 2014

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	RPD	Limit	Batch
4-Bromofluorobenzene				103.0	71-126			
Dibromofluoromethane				112.0	78.3-121			
Toluene-d8				109.0	88.5-111			
a,a,a-Trifluorotoluene				105.0	85-114			
Benzene	mg/l	0.0213	0.0220	85.0	74.8-121	2.89	20	WG744159
Ethylbenzene	mg/l	0.0263	0.0262	105.	78.8-122	0.350	20	WG744159
Toluene	mg/l	0.0213	0.0222	85.0	79.7-116	4.19	20	WG744159
Total Xylenes	mg/l	0.0799	0.0801	106.	78.7-121	0.280	20	WG744159
4-Bromofluorobenzene				110.0	71-126			WG744159
Dibromofluoromethane				96.60	78.3-121			WG744159
Toluene-d8				96.40	88.5-111			WG744159
a,a,a-Trifluorotoluene				107.0	85-114			WG744159
Benzene	mg/l	0.0234	0.0239	94.0	74.8-121	1.91	20	WG744949
Ethylbenzene	mg/l	0.0283	0.0279	113.	78.8-122	1.59	20	WG744949
Toluene	mg/l	0.0246	0.0253	98.0	79.7-116	2.85	20	WG744949
Total Xylenes	mg/l	0.0836	0.0835	112.	78.7-121	0.150	20	WG744949
4-Bromofluorobenzene				102.0	71-126			WG744949
Dibromofluoromethane				92.90	78.3-121			WG744949
Toluene-d8				101.0	88.5-111			WG744949
a,a,a-Trifluorotoluene				107.0	85-114			WG744949
1-Methylnaphthalene	mg/l	0.00241	0.00241	120.	73.2-141	0.160	20	WG744412
2-Chloronaphthalene	mg/l	0.00206	0.00200	103.	74.2-135	3.20	20	WG744412
2-Methylnaphthalene	mg/l	0.00197	0.00209	99.0	72.4-141	5.79	20	WG744412
Acenaphthene	mg/l	0.00196	0.00190	98.0	76.2-136	3.08	20	WG744412
Acenaphthylene	mg/l	0.00199	0.00192	99.0	71.3-139	3.21	20	WG744412
Anthracene	mg/l	0.00216	0.00220	108.	77.3-144	1.93	20	WG744412
Benzo(a)anthracene	mg/l	0.00189	0.00192	95.0	71.4-142	1.51	20	WG744412
Benzo(a)pyrene	mg/l	0.00207	0.00195	103.	70.8-140	5.69	20	WG744412
Benzo(b)fluoranthene	mg/l	0.00181	0.00180	90.0	68-142	0.320	20	WG744412
Benzo(g,h,i)perylene	mg/l	0.00156	0.00173	78.0	62.8-146	10.4	20	WG744412
Benzo(k)fluoranthene	mg/l	0.00202	0.00209	101.	70.1-144	2.95	20	WG744412
Chrysene	mg/l	0.00223	0.00211	112.	73.6-143	5.43	20	WG744412
Dibenz(a,h)anthracene	mg/l	0.00175	0.00179	87.0	56.1-147	2.11	20	WG744412
Dibenzofuran	mg/l	0.00202	0.00195	101.	78.8-137	3.53	20	WG744412
Fluoranthene	mg/l	0.00211	0.00217	106.	77.9-147	2.94	20	WG744412
Fluorene	mg/l	0.00204	0.00197	102.	75.3-136	3.65	20	WG744412
Indeno(1,2,3-cd)pyrene	mg/l	0.00176	0.00180	88.0	61.6-147	2.33	20	WG744412
Naphthalene	mg/l	0.00196	0.00207	98.0	72.2-137	5.43	20	WG744412
Phenanthrene	mg/l	0.00198	0.00194	99.0	76-133	2.20	20	WG744412
Pyrene	mg/l	0.00203	0.00194	102.	73-139	4.98	20	WG744412
2-Fluorobiphenyl				96.20	57.7-153			WG744412
Nitrobenzene-d5				92.80	45.1-170			WG744412
p-Terphenyl-d14				98.30	53.2-156			WG744412

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/l	0.0248	0.0	.025	99.0	54.3-133	L722797-26	WG744160
Ethylbenzene	mg/l	0.0245	0.0	.025	98.0	61.4-133	L722797-26	WG744160
Toluene	mg/l	0.0233	0.0	.025	93.0	61.4-130	L722797-26	WG744160
Total Xylenes	mg/l	0.0719	0.0	.075	96.0	63.3-131	L722797-26	WG744160
4-Bromofluorobenzene					104.0	71-126		WG744160
Dibromofluoromethane					110.0	78.3-121		WG744160
Toluene-d8					105.0	88.5-111		WG744160
a,a,a-Trifluorotoluene					103.0	85-114		WG744160

* Performance of this Analyte is outside of established criteria.
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Level II

L722808

September 26, 2014

		Matrix Spike						
Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/l	0.0232	0.00106	.025	89.0	54.3-133	L722803-01	WG744159
Ethylbenzene	mg/l	0.0268	0.0	.025	110.	61.4-133	L722803-01	WG744159
Toluene	mg/l	0.0220	0.0	.025	88.0	61.4-130	L722803-01	WG744159
Total Xylenes	mg/l	0.0790	0.00116	.075	100.	63.3-131	L722803-01	WG744159
4-Bromofluorobenzene					104.0	71-126		WG744159
Dibromofluoromethane					118.0	78.3-121		WG744159
Toluene-d8					98.40	88.5-111		WG744159
a,a,a-Trifluorotoluene					104.0	85-114		WG744159
Benzene	mg/l	0.0226	0.0	.025	91.0	54.3-133	L722972-02	WG744949
Ethylbenzene	mg/l	0.0270	0.0	.025	110.	61.4-133	L722972-02	WG744949
Toluene	mg/l	0.0244	0.000502	.025	96.0	61.4-130	L722972-02	WG744949
Total Xylenes	mg/l	0.0809	0.000410	.075	110.	63.3-131	L722972-02	WG744949
4-Bromofluorobenzene					102.0	71-126		WG744949
Dibromofluoromethane					92.20	78.3-121		WG744949
Toluene-d8					102.0	88.5-111		WG744949
a,a,a-Trifluorotoluene					108.0	85-114		WG744949

		Matrix Spike Duplicate							
Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/l	0.0259	0.0248	104.	54.3-133	4.43	20	L722797-26	WG744160
Ethylbenzene	mg/l	0.0251	0.0245	100.	61.4-133	2.15	20	L722797-26	WG744160
Toluene	mg/l	0.0242	0.0233	96.8	61.4-130	3.96	20	L722797-26	WG744160
Total Xylenes	mg/l	0.0737	0.0719	98.3	63.3-131	2.58	20	L722797-26	WG744160
4-Bromofluorobenzene				106.0	71-126				WG744160
Dibromofluoromethane				109.0	78.3-121				WG744160
Toluene-d8				104.0	88.5-111				WG744160
a,a,a-Trifluorotoluene				106.0	85-114				WG744160
Benzene	mg/l	0.0232	0.0232	88.7	54.3-133	0.0700	20	L722803-01	WG744159
Ethylbenzene	mg/l	0.0284	0.0268	114.	61.4-133	6.03	20	L722803-01	WG744159
Toluene	mg/l	0.0223	0.0220	89.2	61.4-130	1.52	20	L722803-01	WG744159
Total Xylenes	mg/l	0.0854	0.0790	112.	63.3-131	7.81	20	L722803-01	WG744159
4-Bromofluorobenzene				112.0	71-126				WG744159
Dibromofluoromethane				116.0	78.3-121				WG744159
Toluene-d8				97.20	88.5-111				WG744159
a,a,a-Trifluorotoluene				101.0	85-114				WG744159
Benzene	mg/l	0.0204	0.0226	81.5	54.3-133	10.5	20	L722972-02	WG744949
Ethylbenzene	mg/l	0.0247	0.0270	98.8	61.4-133	8.85	20	L722972-02	WG744949
Toluene	mg/l	0.0221	0.0244	86.3	61.4-130	10.1	20	L722972-02	WG744949
Total Xylenes	mg/l	0.0734	0.0809	97.4	63.3-131	9.62	20	L722972-02	WG744949
4-Bromofluorobenzene				102.0	71-126				WG744949
Dibromofluoromethane				92.00	78.3-121				WG744949
Toluene-d8				101.0	88.5-111				WG744949
a,a,a-Trifluorotoluene				107.0	85-114				WG744949

Batch number /Run number / Sample number cross reference

WG744160: R2992628: L722808-06
WG744159: R2992989: L722808-01 02 03 04 05
WG744949: R2992997: L722808-07
WG744412: R2993101: L722808-09 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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EnTech Consulting Corporation
Kathleen Buxton
21 Waterway Ave., Suite 300

The Woodlands, TX 77380

Quality Assurance Report
Level II

L722808

September 26, 2014

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, cjbryant@paalp.com

Project Description: DS Hugh

City/State Collected:

Phone: 979-997-2338
Fax:

Client Project # PAA12003

Lab Project # PLAINSENT-DSHUGH

Collected by (print): James White

Site/Facility ID # SRS - 2000-10807

P.O. #

Collected by (signature): James White

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PAHSIMLVI 40mlAmb-NoPres-WT	V8260BTEX 40mlAmb-HCl	Rem./Contaminant	Sample # (lab only)
MW2	Grab	GW		091814	1505	2		X		-01
MW3		GW			1500	2		X		-02
MW4		GW			1415	2		X		-03
MW5		GW			1450	2		X		-04
MW6		GW			1435	2		X		-05
MW7		GW			1425	2		X		-06
RW1		GW			1525	2		X		-07
RW2		GW			1445	2		X		-08
RW1		GW			1525	2	X			-09
RW2		GW			1445	2	X			-10

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Phone: 800-767-5859
Fax: 615-758-5859

L # L722808

Table J103

Acctnum: PLAINSENT
Template: T94127
Prelogin: P479138
TSR: 134 - Mark W. Beasley
PB: 8/12/14 due

Shipped Via: FedEx Ground

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

pH _____ Temp _____

Flow _____ Other _____

Remarks: 6127 6741 10674

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	091814	1725	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____

Temp: 3.4 °C Bottles Received: 20+1TB

Date: 9/17/14 Time: 0900

Hold #

Condition: (lab use only) OW M3

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

Friday November 21, 2014

Report Number: L733859
Samples Received: 11/15/14
Client Project: PAA12003

Description: DS Hugh

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/BIO041, 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.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

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

November 21, 2014

ESC Sample # : L733859-01

Date Received : November 15, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW 2

Project # : PAA12003

Collected By : Shane Diller
Collection Date : 11/12/14 15:20

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	11/20/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	11/20/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	11/20/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	11/20/14	1
Surrogate Recovery									
Toluene-d8	109.				% Rec.		8260B	11/20/14	1
Dibromofluoromethane	110.				% Rec.		8260B	11/20/14	1
a,a,a-Trifluorotoluene	99.0				% Rec.		8260B	11/20/14	1
4-Bromofluorobenzene	95.9				% Rec.		8260B	11/20/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 11/21/14 09:24 Printed: 11/21/14 09:25

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REPORT OF ANALYSIS

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

November 21, 2014

ESC Sample # : L733859-02

Date Received : November 15, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW 3

Project # : PAA12003

Collected By : Shane Diller
Collection Date : 11/12/14 15:25

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	11/20/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	11/20/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	11/20/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	11/20/14	1
Surrogate Recovery									
Toluene-d8	108.				% Rec.		8260B	11/20/14	1
Dibromofluoromethane	110.				% Rec.		8260B	11/20/14	1
a,a,a-Trifluorotoluene	98.8				% Rec.		8260B	11/20/14	1
4-Bromofluorobenzene	94.7				% Rec.		8260B	11/20/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 11/21/14 09:24 Printed: 11/21/14 09:25

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REPORT OF ANALYSIS

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

November 21, 2014

ESC Sample # : L733859-03

Date Received : November 15, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW 4

Project # : PAA12003

Collected By : Shane Diller
Collection Date : 11/12/14 15:45

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	11/20/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	11/20/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	11/20/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	11/20/14	1
Surrogate Recovery									
Toluene-d8	108.				% Rec.		8260B	11/20/14	1
Dibromofluoromethane	109.				% Rec.		8260B	11/20/14	1
a,a,a-Trifluorotoluene	99.2				% Rec.		8260B	11/20/14	1
4-Bromofluorobenzene	95.2				% Rec.		8260B	11/20/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 11/21/14 09:24 Printed: 11/21/14 09:25

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REPORT OF ANALYSIS

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

November 21, 2014

ESC Sample # : L733859-04

Site ID : SRS - 2000-10807

Project # : PAA12003

Date Received : November 15, 2014
Description : DS Hugh

Sample ID : MW 5

Collected By : Shane Diller
Collection Date : 11/12/14 15:30

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	11/20/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	11/20/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	11/20/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	11/20/14	1
Surrogate Recovery									
Toluene-d8	108.				% Rec.		8260B	11/20/14	1
Dibromofluoromethane	108.				% Rec.		8260B	11/20/14	1
a,a,a-Trifluorotoluene	98.4				% Rec.		8260B	11/20/14	1
4-Bromofluorobenzene	93.2				% Rec.		8260B	11/20/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 11/21/14 09:24 Printed: 11/21/14 09:25

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REPORT OF ANALYSIS

Kathleen Buxton
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November 21, 2014

ESC Sample # : L733859-05

Date Received : November 15, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW 6

Project # : PAA12003

Collected By : Shane Diller
Collection Date : 11/12/14 15:35

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	11/20/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	11/20/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	11/20/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	11/20/14	1
Surrogate Recovery									
Toluene-d8	108.				% Rec.		8260B	11/20/14	1
Dibromofluoromethane	109.				% Rec.		8260B	11/20/14	1
a,a,a-Trifluorotoluene	99.4				% Rec.		8260B	11/20/14	1
4-Bromofluorobenzene	96.4				% Rec.		8260B	11/20/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 11/21/14 09:24 Printed: 11/21/14 09:25

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
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The Woodlands, TX 77380

November 21, 2014

ESC Sample # : L733859-06

Date Received : November 15, 2014
Description : DS Hugh

Site ID : SRS - 2000-10807

Sample ID : MW 7

Project # : PAA12003

Collected By : Shane Diller
Collection Date : 11/12/14 15:40

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	11/20/14	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	11/20/14	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	11/20/14	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	11/20/14	1
Surrogate Recovery									
Toluene-d8	108.				% Rec.		8260B	11/20/14	1
Dibromofluoromethane	108.				% Rec.		8260B	11/20/14	1
a,a,a-Trifluorotoluene	99.0				% Rec.		8260B	11/20/14	1
4-Bromofluorobenzene	95.6				% Rec.		8260B	11/20/14	1

U = ND (Not Detected) = Less than SDL
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 11/21/14 09:24 Printed: 11/21/14 09:25

Summary of Remarks For Samples Printed
11/21/14 at 09:25:07

TSR Signing Reports: 134
R5 - Desired TAT

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

Sample: L733859-01 Account: PLAINSENT Received: 11/15/14 09:00 Due Date: 11/21/14 00:00 RPT Date: 11/21/14 09:24

Sample: L733859-02 Account: PLAINSENT Received: 11/15/14 09:00 Due Date: 11/21/14 00:00 RPT Date: 11/21/14 09:24

Sample: L733859-03 Account: PLAINSENT Received: 11/15/14 09:00 Due Date: 11/21/14 00:00 RPT Date: 11/21/14 09:24

Sample: L733859-04 Account: PLAINSENT Received: 11/15/14 09:00 Due Date: 11/21/14 00:00 RPT Date: 11/21/14 09:24

Sample: L733859-05 Account: PLAINSENT Received: 11/15/14 09:00 Due Date: 11/21/14 00:00 RPT Date: 11/21/14 09:24

Sample: L733859-06 Account: PLAINSENT Received: 11/15/14 09:00 Due Date: 11/21/14 00:00 RPT Date: 11/21/14 09:24

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

Quality Assurance Report
Level II

L733859

November 21, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< .001	mg/l			WG754925	11/20/14 13:13
Ethylbenzene	< .001	mg/l			WG754925	11/20/14 13:13
Toluene	< .005	mg/l			WG754925	11/20/14 13:13
Total Xylenes	< .003	mg/l			WG754925	11/20/14 13:13
4-Bromofluorobenzene		% Rec.	94.90	71-126	WG754925	11/20/14 13:13
Dibromofluoromethane		% Rec.	109.0	78.3-121	WG754925	11/20/14 13:13
Toluene-d8		% Rec.	108.0	88.5-111	WG754925	11/20/14 13:13
a,a,a-Trifluorotoluene		% Rec.	97.20	85-114	WG754925	11/20/14 13:13

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Benzene	mg/l	.025	0.0300	120.	74.8-121	WG754925
Ethylbenzene	mg/l	.025	0.0238	95.4	78.8-122	WG754925
Toluene	mg/l	.025	0.0258	103.	79.7-116	WG754925
Total Xylenes	mg/l	.075	0.0709	94.5	78.7-121	WG754925
4-Bromofluorobenzene				94.80	71-126	WG754925
Dibromofluoromethane				114.0	78.3-121	WG754925
Toluene-d8				108.0	88.5-111	WG754925
a,a,a-Trifluorotoluene				96.90	85-114	WG754925

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/l	0.0300	0.0300	120.	74.8-121	0.260	20	WG754925
Ethylbenzene	mg/l	0.0248	0.0238	99.0	78.8-122	3.80	20	WG754925
Toluene	mg/l	0.0262	0.0258	105.	79.7-116	1.62	20	WG754925
Total Xylenes	mg/l	0.0730	0.0709	97.0	78.7-121	2.93	20	WG754925
4-Bromofluorobenzene				94.20	71-126			WG754925
Dibromofluoromethane				112.0	78.3-121			WG754925
Toluene-d8				109.0	88.5-111			WG754925
a,a,a-Trifluorotoluene				96.50	85-114			WG754925

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/l	0.0245	0.0	.025	98.0	54.3-133	L733859-01	WG754925
Ethylbenzene	mg/l	0.0217	0.0	.025	87.0	61.4-133	L733859-01	WG754925
Toluene	mg/l	0.0223	0.0	.025	89.0	61.4-130	L733859-01	WG754925
Total Xylenes	mg/l	0.0647	0.0	.075	86.0	63.3-131	L733859-01	WG754925
4-Bromofluorobenzene					94.10	71-126		WG754925
Dibromofluoromethane					109.0	78.3-121		WG754925
Toluene-d8					106.0	88.5-111		WG754925
a,a,a-Trifluorotoluene					97.10	85-114		WG754925

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/l	0.0240	0.0245	96.0	54.3-133	1.90	20	L733859-01	WG754925
Ethylbenzene	mg/l	0.0211	0.0217	84.5	61.4-133	2.47	20	L733859-01	WG754925
Toluene	mg/l	0.0217	0.0223	86.9	61.4-130	2.54	20	L733859-01	WG754925
Total Xylenes	mg/l	0.0620	0.0647	82.7	63.3-131	4.16	20	L733859-01	WG754925
4-Bromofluorobenzene				94.10	71-126				WG754925
Dibromofluoromethane				112.0	78.3-121				WG754925
Toluene-d8				107.0	88.5-111				WG754925
a,a,a-Trifluorotoluene				97.30	85-114				WG754925

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

ESC
L·A·B S·C·I·E·N·C·E·S
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12065 Lebanon Rd.
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(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

The Woodlands, TX 77380

Quality Assurance Report
Level II

L733859

November 21, 2014

Batch number /Run number / Sample number cross reference

WG754925: R3005710: L733859-01 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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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, cjbryant@paalp.com

Project Description: DS Hugh

City/State Collected: NEW MEXICO

Phone: 979-997-2338
Fax:

Client Project # PAA12003

Lab Project # PLAINSENT-DSHUGH

Collected by (print): SHANE DILLER

Site/Facility ID # SRS - 2000-10807

P.O. #

Collected by (signature): Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl										Rem./Contaminant	Sample # (lab only)
MW 2		GW		11-12-14	15:20	2	X											01
MW 3		GW		11-12-14	15:25	2	X											02
MW 4		GW		11-12-14	15:45	2	X											04
MW 5		GW		11-12-14	15:30	2	X											05
MW 6		GW		11-12-14	15:35	2	X											06
MW 7		GW		11-12-14	15:40	2	X											
		GW				2	X											
		GW				2	X											

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LABORATORY SCIENCES
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12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 633859

Tab F248

Acctnum: PLAINSENT
Template: T86710
Prelogin: P487917
TSR: 134 - Mark W. Beasley
PB: 10-30 KW
Shipped Via: FedEX Ground

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

pH _____ Temp _____

Flow _____ Other _____

Remarks:

6000 8043 8776

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	14DEC14	1700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 13VP

Date: 11/15/14 Time: 0900

Hold #

Condition: (lab use only) JWS

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF:

Appendix B - Soil Borings

Project: DS Hugh	Drilling Company: Straub Drilling
Location: Euince, NM	Drilling Method: Air Rotary
Station ID: RW-1	Boring/Well Diameter: 4"
Date Drilled: 8/5/14	Boring/Well Total Depth: 65'
Geologist: Kathleen Buxton	Screen Length: 20'

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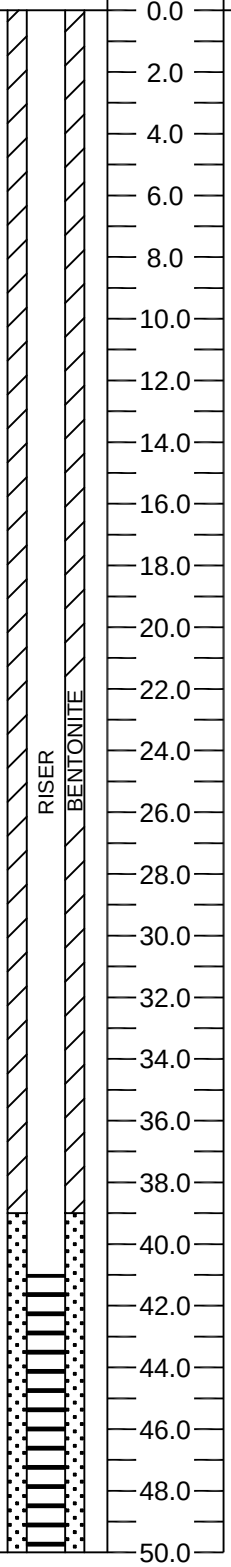

DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
0.0			
2.0	0.0		Back Fill Material.
4.0			
6.0			
8.0	0.7		
10.0			
12.0	2.3		liner
14.0			
16.0			Silty Sand, light brown, firm, odor.
18.0	22.7		
20.0			
22.0	13.2		
24.0			
26.0			
28.0	9.1		
30.0			
32.0	7.5		
34.0			
36.0			
38.0	3.6		
40.0			Silty Clay/Silty Sand,light brown, odor, fine grained.
42.0	741.6		
44.0			
46.0			
48.0	135		
50.0			saturated @ 49'

Project: DS Hugh	Drilling Company: Straub Drilling
Location: Euince, NM	Drilling Method: Air Rotary
Station ID: RW-1	Boring/Well Diameter: 4"
Date Drilled: 8/5/14	Boring/Well Total Depth: 65'
Geologist: Kathleen Buxton	Screen Length: 20'

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	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
SCREEN SAND	50.0			Silty Clay/Silty Sand,light brown, odor, fine grained.
	52.0			
	54.0			
	56.0			
	58.0			
	60.0			
	62.0			
	64.0			
	66.0			
	68.0			
	70.0			
	72.0			
	74.0			
	76.0			
	78.0			
	80.0			
	82.0			
	84.0			
	86.0			
	88.0			
	90.0			
	92.0			
	94.0			
	96.0			
	98.0			
	100			

Project: DS Hugh	Drilling Company: Straub Drilling
Location: Euince, NM	Drilling Method: Air Rotary
Station ID: RW-2	Boring/Well Diameter: 4"
Date Drilled: 8/5/14	Boring/Well Total Depth: 65'
Geologist: Kathleen Buxton	Screen Length: 20'

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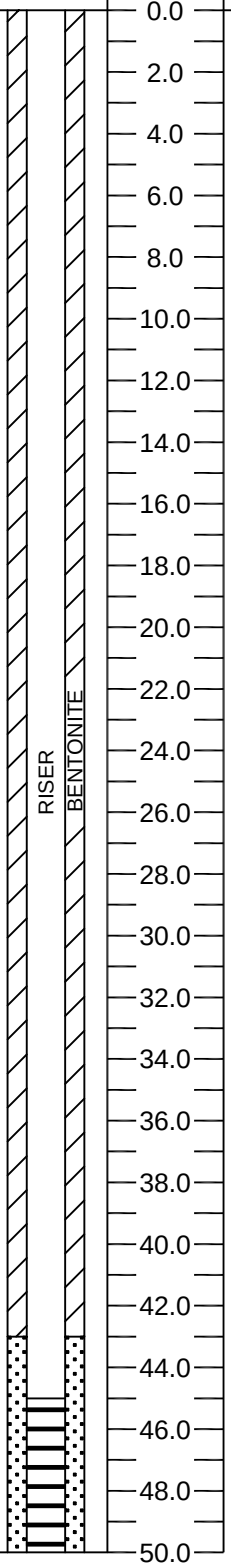
Houston, TX · (281) 362-2714



DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
0.0			
2.0	3.3		Back Fill Material.
4.0			
6.0			
8.0	3.1		
10.0			
12.0	4.4		liner
14.0			
16.0			Silty Sand, light brown, firm, odor.
18.0	3.7		
20.0			
22.0	10.8		
24.0			
26.0			
28.0	5.4		
30.0			
32.0	5.6		
34.0			
36.0			
38.0	113		
40.0			Silty Sand,light brown, odor, fine grained.
42.0	633.6		
44.0			
46.0			
48.0	119.8		
50.0			

Project: DS Hugh
Location: Euince, NM
Station ID: RW-1
Date Drilled: 8/5/14
Geologist: Kathleen Buxton

Drilling Company: Straub Drilling
Drilling Method: Air Rotary
Boring/Well Diameter: 4"
Boring/Well Total Depth: 65'
Screen Length: 20'

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	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
	50.0			
SCREEN SAND	52.0	5.1		Silty Sand,light brown, odor, fine grained.
	54.0			
	56.0			
	58.0	2.4		
	60.0			
	62.0			
	64.0			
	66.0			
	68.0			
	70.0			
	72.0			
	74.0			
	76.0			
	78.0			
	80.0			
	82.0			
	84.0			
	86.0			
	88.0			
	90.0			
	92.0			
	94.0			
	96.0			
	98.0			
	100			