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Annual GW Mon. REPORTS

DATE:

2010

PLAINS
ALL AMERICAN

March 21, 2011

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

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2011 MAR 29 P 1:29

Re: Plains All American – 2010 Annual Monitoring Reports
4 Sites in Lea County, New Mexico

Dear Mr. Hansen:

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

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

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

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

Sincerely,

Jason Henry
Remediation Coordinator
Plains All American

CC: Geoff Leking, NMOCD, Hobbs, NM

Enclosures

2010 ANNUAL REPORT
D S HUGH
PLAINS SRS NO.: 2000-10807
UL-K, SECTION 26, T21S, R37E
Lea County, New Mexico
NMOCD No.: IR-0463

PREPARED FOR

PLAINS PIPELINE, L.P.

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PREPARED BY

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Project No. 205071.00

March 2011

Chan Patel
Senior Project Manager

Steve Sellepack
Project Geologist

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DISCLAIMER

Premier has examined and relied upon the file information provided by Plains and Environmental Plus, Inc. (EPI). Premier has not conducted an independent examination of the information contained in the Plains files; furthermore, we assume the genuineness of the documents reviewed and that the information provided in these documents to be true and accurate. Premier has prepared this report using the level of care and professionalism in the industry for similar projects under similar conditions. Premier 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. Premier believes the conclusions stated herein are factual, but no guarantee is made or implied.

EXECUTIVE SUMMARY

On November 10, 2000, a 4 inch steel pipeline at the D S Hugh 4 inch Gathering line Site (site), SRS No. 2000-10807, 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, Appendix A**) or more specifically at latitude 32° 26' 48" N and longitude 103° 08' 07" W. Approximately five barrels of product were reported to be recovered. The affected area was reported to be approximately 200 feet by 15 feet, and product stayed within the pipeline right of way. 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, Appendix D**), prepared by Plains, provides documentation of reporting the release to Larry Johnson with the New Mexico Oil Conservation Division (NMOCD). Initial soil remediation activities were completed by Environmental Plus Inc. In April 2005, Premier Environmental Services (Premier) personnel completed site investigation. Details can be found in Premier's *2005 Annual Report*. Site investigation and remediation activities continued in 2005 and 2006.

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 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 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 Premier to delineate the extent of hydrocarbon contamination in soil. During this investigation, monitor wells MW-4 through MW-7 were installed.

A *Soil Remediation Plan* was submitted to and approved by the NMOCD in May 2006. The remediation plan was implemented in October 2006 and a *Soil Closure Report* 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*

During 2009, groundwater remediation was conducted on a weekly basis through PSH recovery while groundwater monitoring was completed on a quarterly basis.

Throughout 2010, weekly gauging and recovery activities from monitor wells with hydrocarbon sheen were conducted. Approximately 2,271 gallons of groundwater containing dissolved phase hydrocarbons and entrained PSH were recovered from monitor wells MW-1 (with PSH or hydrocarbon sheen) and MW-4 (groundwater with dissolved phase hydrocarbons). The variations in PSH thickness and the trends are discussed further in **Section 2.3** of this report.

Monthly gauging data of the monitor wells indicated a relatively flat groundwater gradient with no significant fluctuations during 2010. The groundwater flow, based on the gauging data collected during 2010, was trending east southeast at an approximate average gradient of 0.0027 feet/foot across the site based on the groundwater elevations measured between monitor wells MW-3 and MW-6 during the quarterly groundwater sampling events. The groundwater gradient and flow direction across the site during 2010 were similar to the gradient direction observed during the previous four years.

Monthly gauging, and quarterly sampling and analysis of groundwater samples from monitor wells not containing PSH, namely monitor wells MW-2 through MW-7 was conducted. Groundwater samples from these wells were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX) constituent concentrations. Analytical data reported for these groundwater samples indicate that benzene concentrations exceed NMOCD remediation criteria in groundwater samples collected from monitor well MW-4 during all the four quarterly sampling events in 2010. All other BTEX constituent concentrations were reported below NMOCD remediation criteria for the wells not containing PSH sampled (monitor wells MW-2 through MW-7).

During the second quarter of 2010, groundwater samples from the wells with PSH or hydrocarbon sheen were collected and analyzed for BTEX constituents, polynuclear aromatic hydrocarbons (PAHs) and total petroleum hydrocarbons (TPH). Only monitor well MW-1 contains PSH at this site. Benzene and total xylenes were detected at concentrations that exceed the NMOCD remediation criteria in monitor well MW-1. Monitor well MW-1 was not sampled during the remaining sampling events due to the presence of hydrocarbon sheen. Hydrocarbon recovery in monitor well MW-1 continued throughout 2010 using a submersible pump or disposable hand bailers.

Plume stability characteristics were calculated based on the benzene concentration data obtained from the years 2008 and 2009 to establish baseline benzene plume characteristics. Benzene plume characteristics were also calculated based on the

groundwater analytical data available from 2010 to evaluate the change in plume characteristics from 2008 to 2010. Initial comparison between the 2008, 2009 and 2010 benzene plume characteristics indicate that there is a decreasing trend in the plume characteristics calculated. The calculated benzene plume mass for 2010 indicated a decrease greater than 70 percent when compared to the plume mass calculated for 2008. The areal extent of the plume also decreased by approximately 52 percent and a plume average concentration decreased approximately 39 percent when compared to the 2008 data. However, this evaluation is limited to three sampling events, 2008, 2009 and 2010 and benzene data were reported above the remediation criteria only from two monitor wells on site, MW-1 and MW-4. Therefore, the evaluations presented here are only preliminary and are not conclusive. Further details and the findings of the plume stability study are presented in **Section 2.10,** and in **Figures 5 through 8, Appendix A**.

1.0 INTRODUCTION AND SITE HISTORY

Premier Environmental Services, Inc. (Premier) was retained by Plains Pipeline, L.P. (Plains) to conduct site investigations and remediation activities at the D.S. Hugh Gathering 4 inch Site (site) (SRS No: 2000-10807).

The leak that occurred at the site on November 10, 2000, was apparently caused by corrosion of a pipeline. The site is located in T21S, R37E, Section 26 of Lea County, New Mexico, approximately two miles east of Eunice, New Mexico (**Figure 1, Appendix A**). At the time of the release, the pipeline was owned by EOTT Energy, LLC (EOTT). The pipeline is currently owned by Plains. 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 reportedly released into the subsurface.

The leak was repaired and affected soil was excavated and temporarily placed on a plastic liner. Delineation was initiated at the site in 2005 through the collection of soil and groundwater samples from soil borings and groundwater monitor wells. Soil and groundwater delineation continued with a groundwater investigation in March 2006. Additional soil and groundwater investigation was conducted in May 2006 to delineate the extent of hydrocarbon contamination in the groundwater. During this investigation, monitor wells MW-4 through MW-7 were advanced (**Figure 2, Appendix A**).

A *Soil Remediation Plan* dated May 2006, was prepared, submitted and approved by NMOCD in a letter dated June 12, 2006. The objective of the *Soil Remediation Plan* was to excavate the most contaminated soil, isolate and control residual chemicals of concern (COCs) in the soil and to prevent further impact to groundwater by the placement of an impermeable liner at the base of the excavation. The remediation plan was implemented in October 2006 and a closure report submitted in March 2007. Details of these activities are described in the reports listed in the *Executive Summary.* Soil remediation was completed in 2006 based on an NMOCD approved work plan, and documented in the March 2007 *Soil Closure Report.*

A quarterly groundwater monitoring program for this site was implemented in 2006 and continues to date. At the request of NMOCD, the wells with measurable phase-separated hydrocarbon (PSH) or sheen were sampled annually. These samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX), total petroleum hydrocarbons (TPH) and polynuclear aromatic hydrocarbons (PAHs) for 2008, 2009 and 2010.

2.1 Site Cleanup Goals (Groundwater)

Based on standards outlined in New Mexico Water Quality Control Commission (WQCC), the remediation criteria for groundwater at the site are as follows:

Benzene	0.010 mg/L
Toluene	0.750 mg/L
Ethylbenzene	0.750 mg/L
Total xylenes	0.620 mg/L
PAHs[1, 2]	0.03 mg/L
Benzo-a-pyrene[2]	0.0007 mg/L

1 – PAHs: Total naphthalenes plus monomethyl naphthalenes
2 – PAH remediation standards will be used as target concentrations only upon PSH removal.

In addition to using these concentrations as the target cleanup goals in groundwater at the site, PSH removal is also an integral part of on-going remediation activities at the site.

2.2 2010 Groundwater Activities

Groundwater at the site was evaluated throughout 2010 by conducting weekly gauging of monitor wells, quarterly groundwater sampling and analysis from six monitor wells (MW-2 through MW-7). Groundwater samples collected were analyzed for BTEX constituents. Monitor well MW-1, contained measurable PSH thickness or a hydrocarbon sheen. Starting with the second quarter of 2008, all wells containing PSH or sheen were required to be sampled annually and groundwater analyzed for BTEX, PAH and TPH constituents. Groundwater samples were collected from these wells with PSH and hydrocarbon sheen and submitted for laboratory analysis during the second quarter of 2010 sampling event.

During each quarterly groundwater sampling event, prior to purging the wells, depth to PSH and water level measurements were collected from each well using an electric oil/water interface probe. The oil/water interface probe was decontaminated before use in each well to prevent cross-contamination. Prior to collecting groundwater samples from each well, approximately three well volumes of water were purged from each well using dedicated poly vinyl chloride bailers.

After purging was completed, groundwater samples were collected using a new disposable bailer. First quarter groundwater samples collected during 2010 were placed in laboratory-provided containers, placed in a cooler with ice, and shipped to Trace Analysis,

Inc. in Lubbock, Texas for chemical analysis. The remaining three quarterly groundwater samples were shipped to ALS Laboratory Group (ALS) in Houston Texas for chemical analysis. All purge water was placed in labeled 55-gallon drums and subsequently transferred into the 1,000 gallon on-site storage tank.

2.3 2010 Groundwater Gauging and PSH Recovery Activities

Groundwater gauging and PSH recovery activities continued on a weekly basis at the site in 2010. Recovery activities include removing PSH and groundwater containing dissolved phase hydrocarbons by hand bailing, submersible pumps and the use of adsorbent socks in monitor wells MW-1 and MW-4. The gauging data collected during 2010 is presented in **Table 1, Appendix B** and the historical data collected since the beginning of groundwater monitoring at the site in December 2005 are presented in **Table 2, Appendix B** (enclosed on CD only).

A hydrocarbon sheen was observed throughout 2010 in monitor well MW-1 with an average measurable PSH thickness of 0.24 ft. The maximum measurable PSH thickness (1.03 ft) was observed in monitor well MW-1 during the month of June 2010. The PSH thickness variation did not indicate any particular trend. As part of source reduction activities, PSH is being recovered on a weekly basis from this well. No PSH or hydrocarbon sheen is observed in other wells on site.

PSH and groundwater with dissolved phase hydrocarbons were recovered using absorbent socks and a pump. During weekly PSH recovery activities, approximately 10 to 50 gallons of groundwater with dissolved phase hydrocarbons are removed from monitor wells MW-1 and MW-4. Approximately 0.25 gallons of entrained PSH was removed with the groundwater from monitor well MW-1. On a single occasion, August 11, only 3 gallons of groundwater were removed due to malfunctioning equipment. All fluids removed from the recovery wells at the site were initially placed into labeled 55-gallon drums and later transferred into an on-site storage tank.

Based on PSH gauging and recovery data in **Table 1, Appendix B**, approximately 2,271 gallons of groundwater containing dissolved phase hydrocarbons and 3.5 gallons of PSH were recovered from the two monitor wells MW-1 and MW-4 during 2010. It is assumed, with the removal of the heavy sheen, approximately three gallons of additional PSH were also recovered. A summary of dissolved phase hydrocarbons recovered on a monthly basis in 2010 is presented in **Table 5, Appendix B**. The volume of PSH recovered from absorbent socks could not be quantified.

A 1000-gallon poly tank has been placed at the site for holding the recovered fluids comprised of groundwater containing dissolved phase hydrocarbons and any entrained PSH. The tank was placed in a lined, bermed secondary containment area and the fluids

were removed three times in 2010 during the months of February, May and August. The fluids removed were transported to a permitted disposal well facility by Key Energy Services.

2.4 1st Quarter 2010 – Groundwater Monitoring Activities

Groundwater gauging and PSH recovery activities continued at the site on a weekly basis during the first quarter of 2010 (**Table 1, Appendix B**). The groundwater flow is consistently trending east-southeast at an approximate gradient across the site of 0.0028 feet/foot as measured between monitor wells MW-3 and MW-6 on February 9, 2010 (**Figure 3-A, Appendix A**). The groundwater gradient and flow direction during the first quarter of 2010 is consistent with previous gauging events conducted during 2009. Groundwater gauging and the PSH recovery data are presented in **Table 1, Appendix B**.

During first quarter of 2010, weekly gauging and product recovery were conducted for monitor wells MW-1 and MW-4. Measurable PSH thickness was observed in monitor well MW-1 throughout 2010. The PSH recovery activities from monitor wells MW-1 and MW-4 resulted in removal of approximately 730 gallons of groundwater containing dissolved phase hydrocarbons with entrained PSH, during the first quarter of 2010.

Groundwater samples collected from monitor wells MW-2 through MW-7 were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX). Monitor well MW-1 was not sampled due to the presence of PSH. Only the benzene concentration in the groundwater sample collected from monitor well MW-4 was reported above the NMOCD criterion for benzene of 0.01 mg/L (**Figure 4-A, Appendix A**). As can be seen on **Figure 4-A, Appendix A,** monitor well MW-4 is located southeast, and hydraulically down gradient of monitor well MW-1. Other BTEX constituent concentrations reported from groundwater samples collected from monitor wells MW-4, MW-6 and MW-7, were higher than the laboratory method detection limits (MDLs) but below the NMOCD remediation criteria. Analytical results are summarized in **Table 3, Appendix B**. Laboratory analytical reports are presented in **Appendix C** (enclosed on CD only).

2.5 2nd Quarter 2010 – Groundwater Monitoring Activities

Groundwater gauging and PSH recovery activities continued at the site on a weekly basis during the second quarter of 2010 (**Table 1, Appendix B**). The groundwater flow was consistently trending east-southeast at an approximate gradient across the site of 0.0025 feet/foot as measured between monitor wells MW-3 and MW-6 on May 12, 2010 (**Figure 3-B, Appendix A**). The groundwater gradient and flow direction during the first quarter of 2010 is consistent with previous gauging events conducted during 2009. Groundwater gauging and the PSH recovery data are presented in **Table 1, Appendix B**.

During second quarter of 2010, weekly gauging and product recovery were conducted for monitor wells MW-1 and MW-4. These activities resulted in a recovery of approximately 544 gallons of dissolved phase hydrocarbons with entrained PSH from monitor wells MW-1 and MW-4. PSH recovered using absorbent socks could not be quantified. No measurable PSH was observed in any other on-site monitor wells.

Groundwater was sampled on May 12, 2010 for analysis of BTEX constituent concentrations from monitor wells MW-2 through MW-7. A benzene concentration of 0.11 mg/l was reported in the groundwater sample from monitor well MW-4 which is above the NMOCD remediation criteria of 0.01 mg/L (**Figure 4-B, Appendix A**). Analytical results are summarized in **Table 3, Appendix B.** Laboratory analytical reports are presented in **Appendix C**. The analytical results of the groundwater samples from monitor wells MW-1, MW-2, MW-3, MW-4, MW-5 and MW-7 reported other BTEX constituent concentrations above the laboratory MDLs but below the NMOCD remediation criteria.

To meet the NMOCD requirement to annually sample wells with PSH, a groundwater sample was collected from monitor well MW-1 and analyzed for BTEX, TPH and PAHs during this quarter. Reported benzene and total xylenes concentrations in the groundwater sample from monitor well MW-1 were 0.45 mg/l and 0.84 mg/l respectively, which are above the NMOCD remediation criteria of 0.01 mg/L and 0.62 mg/l, respectively (**Figure 4-B, Appendix A**). The reported analytical results displayed toluene and ethylbenzene concentrations above the laboratory MDLs but below the NMOCD remediation criteria in the groundwater sample from monitor well MW-1. The groundwater sample collected from monitor well MW-1 was also analyzed for PAH and TPH constituents during this quarter.

The PAH analyses of the dissolved phase hydrocarbons in samples from wells with PSH or hydrocarbon sheen is evaluated for screening purposes only. PAH concentrations should be evaluated for compliance only after the PSH is permanently removed and BTEX constituent concentrations in the dissolved phase plume indicate a stable or reducing dissolved phase plume.

As part of the PAH concentration evaluation process, detected constituents (associated with crude oil) were compared directly to the New Mexico WQCC groundwater standards for PAHs. PAH compounds reported above the laboratory MDLs are naphthalene, acenaphthene, fluorene, phenanthrene, chrysene dibenzofuran, 1-methylnapthalene and 2-methylnapthalene. Of these, only naphthalene and total methylnaphthalene were detected above the New Mexico WQCC remediation criteria for PAHs in monitor well MW-1 (see **Table 4, Appendix B**).

TPH (C_6-C_{10}, C_{10}-C_{28} and C_{28}-C_{35} fractions) detected in the groundwater samples are also reported in **Table 4, Appendix B**. There are no standards for TPH in groundwater in New Mexico.

2.6 3rd Quarter 2010 – Groundwater Monitoring Activities

Groundwater gauging and PSH recovery activities continued at the site on a weekly basis during the third quarter of 2010 (**Table 1, Appendix B**). The groundwater flow was consistently trending east-southeast at an approximate gradient across the site of 0.0028 feet/foot as measured on August 26, 2010 between monitor wells MW-3 and MW-6 (**Figure 3-C, Appendix A**). The groundwater gradient and flow direction during the third quarter of 2010 are consistent with the gauging data previously collected. Groundwater gauging data is summarized in **Table 1, Appendix B**

During third quarter of 2010, weekly gauging and product recovery were conducted for monitor wells MW-1 and MW-4. Hydrocarbon sheen to a maximum measurable PSH thickness of 0.48 ft, was observed in monitor well MW-1 during the third quarter of 2010. The hydrocarbon recovery activities resulted in a removal of approximately 478 gallons of groundwater with dissolved phase hydrocarbon and entrained PSH, from two monitor wells (MW-1 and MW-4) during the third quarter of 2010. PSH recovered from wells with absorbent socks could not be quantified. No measurable PSH was observed in any other on-site monitor wells.

Quarterly sampling activities were completed on August 26, 2010 for the analysis of BTEX constituent concentrations in groundwater samples from monitor wells MW-2 through MW-7. Benzene was detected at a concentration of 0.038 mg/L in groundwater sample collected from monitor well MW-4, which is above NMOCD remediation criteria of 0.01 mg/L. The other BTEX constituents concentrations reported from the groundwater sample collected from monitor wells MW-4 were higher than the laboratory MDLs but below their respective NMOCD remediation criteria. The analytical results reported BTEX constituent concentrations in groundwater samples collected from other monitor wells on site were below the laboratory MDLs. All analytical results are summarized on **Table 3, Appendix B** and laboratory analytical reports are presented in **Appendix C**.

2.7 4th Quarter 2010 – Groundwater Monitoring Activities

Groundwater gauging and PSH recovery activities continued at the site on a weekly basis during the fourth quarter of 2010 (**Table 1, Appendix B**). The groundwater flow was trending southeast at an approximate gradient across the site of 0.0025 feet/foot as measured between monitor wells MW-3 and MW-6 on November 18, 2010 (**Figure 3-D,**

Appendix A). This is consistent with previous quarters. Groundwater gauging data are presented in **Table 1, Appendix B**.

During fourth quarter of 2010, weekly gauging/product recovery was conducted from wells MW-1 and MW-4. Hydrocarbon sheen to a maximum measurable PSH thickness of 0.44 ft was observed in monitor well MW-1 during the fourth quarter of 2010. The hydrocarbon recovery activities resulted in a recovery of approximately 520 gallons of groundwater containing dissolved phase hydrocarbons and entrained PSH from the two monitor wells during the fourth quarter of 2010. PSH entrained in groundwater was not calculated. No measurable PSH was observed in any other on-site monitor wells.

Quarterly sampling and analysis of groundwater from monitor wells MW-2 through MW-7 were completed on November 18, 2010. Groundwater was sampled on November 18, 2010 from monitor wells MW-2 through MW-7. Monitor well MW-1 was not sampled due to presence of measurable PSH on groundwater. Benzene was detected in the groundwater sample from monitor well MW-4 at a concentration of 0.014 mg/L, exceeding the NMOCD remediation criteria of 0.01 mg/L for benzene. All other BTEX constituent concentrations were reported above the laboratory MDLs but below NMOCD remediation criteria for MW-4. The benzene concentrations in monitor well MW-4 appear to be slowly decreasing relative to the maximum detected concentrations when compared to previous quarterly analytical results. Reported all BTEX constituent concentrations Groundwater samples collected from all other monitor wells on site reported all BTEX constituents below the laboratory MDLs. (**Figure 4-D, Appendix A**). Analytical results are summarized on **Table 3, Appendix B**. Laboratory analytical reports are presented in **Appendix C**.

2.8 Plume Stability Analysis

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.

The plume stability analysis completed for the site includes the development of benzene concentration isopleth maps for the years 2008, 2009 and 2010. An average of the benzene concentrations reported in the four quarterly groundwater sampling events was used for all the wells with no PSH. Since the wells with PSH have been sampled only during the second quarter groundwater sampling events in 2008, 2009 and 2010, the benzene concentrations reported during these sampling events were used in plume evaluation. The benzene plume characteristics such as plume area, plume average concentration, plume mass, and plume centers of mass were calculated for each event using numerical methods and engineering principles.

A summary of the benzene plume characteristics such as the plume mass, plume area and plume average concentration were calculated and are summarized in **Figure 5, Appendix A**. The benzene plume centers of mass for the three years are presented in **Figure 6, Appendix A**. A shift in the plume center of mass in the downgradient groundwater flow direction was observed from 2008 to 2009 whereas during 2010, the plume center of mass retracted back in the up-gradient groundwater flow direction. Movement of the plume center of mass in the up-gradient direction is indicative of a shrinking plume. The three benzene isopleth maps for 2008, 2009 and 2010 are presented in **Figures 7, 8, and 9, Appendix A**, respectively.

The benzene plume trend analyses for this site is limited by the number of sampling events and the number of wells with detected concentrations of benzene. As benzene concentrations are above the NMOCD remediation criteria in groundwater samples from only two monitor wells, the plume characteristics are very sensitive to any fluctuation in the benzene concentration in one of those wells. As one of the wells contains PSH, fluctuations in the benzene concentration are expected. Therefore one must look at the calculated plume stability characteristics carefully and couple them with other data before a conclusion can be reached regarding the plume stability at this site.

Table 2.1 below provides a summary of the calculated plume characteristics. The center of mass of the plume for the three benzene isopleths being evaluated during 2008, 2009 and 2010 are presented in **Figure 6, Appendix A**. The figure indicates that the plume center of mass computed for 2010 has moved approximately 20 feet north in the upgradient direction in relation to the 2008 plume center of mass. Movement of the plume center of mass in the up-gradient direction indicates a shrinking plume. Based on the evaluation of groundwater data reported, the benzene plume area calculated during the 2010 quarterly groundwater sampling events is less than that of 2008 by approximately 52 percent. The total mass of the benzene plume in 2010 is approximately 0.3 lbs less than the total mass computed in 2008, which is more than a 70 percent reduction during the two-year period.

Table 2.1. Summary of Plume Stability Characteristics

Date	Area (Acres)	Average Conc. (µg/l)	Mass (lbs)
2008	0.48	123.3	0.487
2009	0.19	42.3	0.066
2010	0.23	74.8	0.143

The plume characteristic data coupled with the analytical data indicate that the plume is decreasing in size. The analytical data collected for the site (**Table 3, Appendix B**) indicates that the benzene plume is decreasing in size and concentration.

Based on the analytical data reported by the laboratory for the groundwater samples collected from monitor well MW-7, benzene concentrations were reported above the NMOCD remediation criteria during the third and fourth quarters of 2006. Beginning in 2007 benzene concentrations decreased to and remained below the NMOCD remediation criteria in all subsequent samples. This indicates that the dissolved phase plume, which initially extended in the downgradient direction, is now diminishing in size since early 2006.

The benzene concentrations reported during the quarterly groundwater sampling events from the downgradient well, monitor well MW-4 was evaluated individually. **Figure 10, Appendix A** presents a graph depicting the benzene concentration in monitor well MW-4 over time, along with the NMOCD remediation criteria. The graph indicates a decreasing trend in the benzene concentration beginning the first quarter of 2008 (February 27, 2008).

Plume stability study indicates there is a significant decrease in the plume characteristics computed in 2010 when compared to the 2008 plume characteristics.

3.0 CONCLUSIONS

During 2010, weekly gauging and product recovery activities from wells MW-1 and MW-4, and quarterly sampling and analysis of groundwater from monitor wells MW-2 through MW-7, were completed. Monitor well MW-1 was sampled only in the second quarter of 2009 to meet the NMOCD requirement for BTEX, PAH, and TPH analyses of groundwater samples from wells containing PSH. In all four quarters of groundwater sampling and analyses (wells MW-2 through MW-7), the only constituent found above the NMOCD standard was benzene, in monitor well MW-4. All other concentrations of COCs, in the wells sampled, were below NMOCD regulatory criteria.

Based on these data, the dissolved phase hydrocarbon plume appears to be diminishing in size since early 2006, when benzene concentrations above the NMOCD remediation criteria were present in monitor well MW-7. This is also demonstrated by the benzene plume stability analysis completed for the site using the 2008, 2009 and 2010 benzene concentration data. The 2010 plume area, average concentration and plume mass have decreased by 50, 39 and 71 percent, respectively, when compared to those during 2008. However, no assertive statistical trend analysis could be completed at this time, as the data evaluated is limited to three sampling events and two wells with benzene concentration greater than the remediation criteria at the site. Additional sampling events will be necessary to establish trends.

Natural attenuation is currently the primary process affecting the perimeter of the plume. Furthermore, the removal of PSH and dissolved phase hydrocarbons from wells MW-1 and MW-4 is reducing the mass of hydrocarbons in the central part of the plume.

During 2010, approximately 2,271 gallons of groundwater containing dissolved phase hydrocarbons were recovered from the site. A small volume of measured PSH, approximately 3.5 gallons along with an assumed PSH volume of 2.75 gallons (associated with sheens), were also recovered.

The decrease in dissolved phase hydrocarbon concentrations are attributable to the removal of affected soils in the surface and shallow subsurface soil, placement of a liner (in 2006), and weekly removal of dissolved phase hydrocarbons and PSH via manually bailing and natural attenuation.

4.0 2011 PROPOSED ACTIVITIES

Premier proposes to continue weekly PSH and dissolved phase hydrocarbon recovery using manual bailers and electric pumps, in wells MW-1 and MW-4 as necessary. Quarterly groundwater sampling will be completed to monitor hydrocarbons in groundwater. Groundwater from MW-1 will be sampled for BTEX, TPH and PAH when the PSH thickness decreases to non-detect.

Plume stability analysis and data evaluation will be completed for the quarterly data obtained during the 2011 sampling events. A statistical trend analysis will be performed using Mann-Kendall Test and regression analysis on the calculated values to assess the benzene plume stability as more data becomes available. A summary of the plume stability study completed for 2011 data will also be presented in the 2011 Annual Report.

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APPENDIX A

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Figure 5 – Benzene Plume Stability Analysis Summary 2008 thru 2010
Figure 6 – Benzene Plume Center of Mass Summary 2008 thru 2010
Figure 7 – 2008 Benzene Isopleth Map
Figure 8 – 2009 Benzene Isopleth Map
Figure 9 – 2010 Benzene Isopleth Map
Figure 10 – Benzene Concentration Trend in Monitor Well MW-4

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

N

1/2 1/4 0 1/4 1/2

Distance in Miles

PREMIER ENVIRONMENTAL SERVICES, INC.

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

PROJ. NO: 205071.00	CK:	DATE: 3/10

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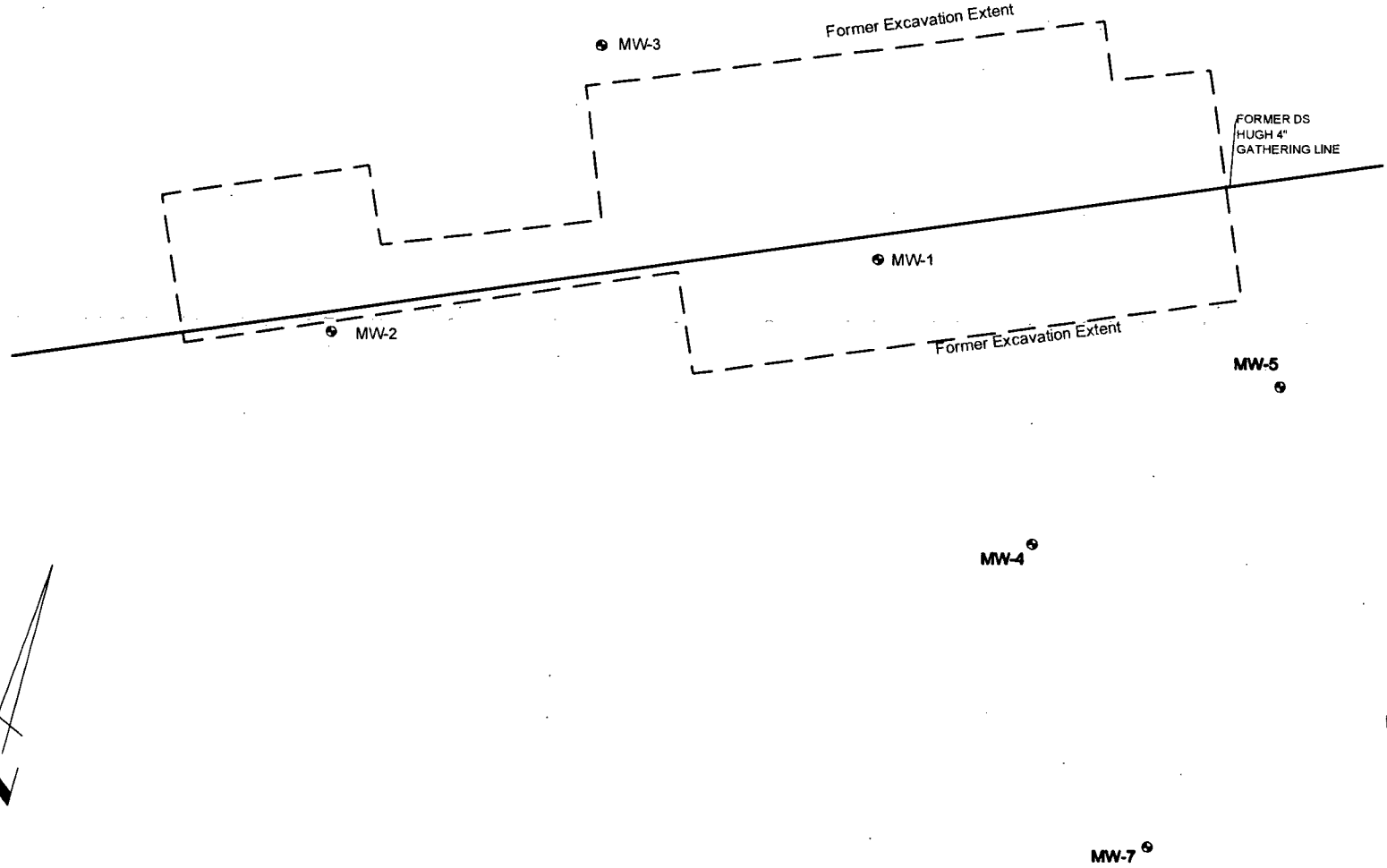

LEGEND:

MW- - MONITOR WELL LOCATIONS

- - - - FORMER EXCAVATION EXTENT

0 40

FEET

PREMIER ENVIRONMENTAL SERVICES, INC.

Figure 2
Site Map
Plains Pipeline, L.P.
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: CBP	DATE: 02/10

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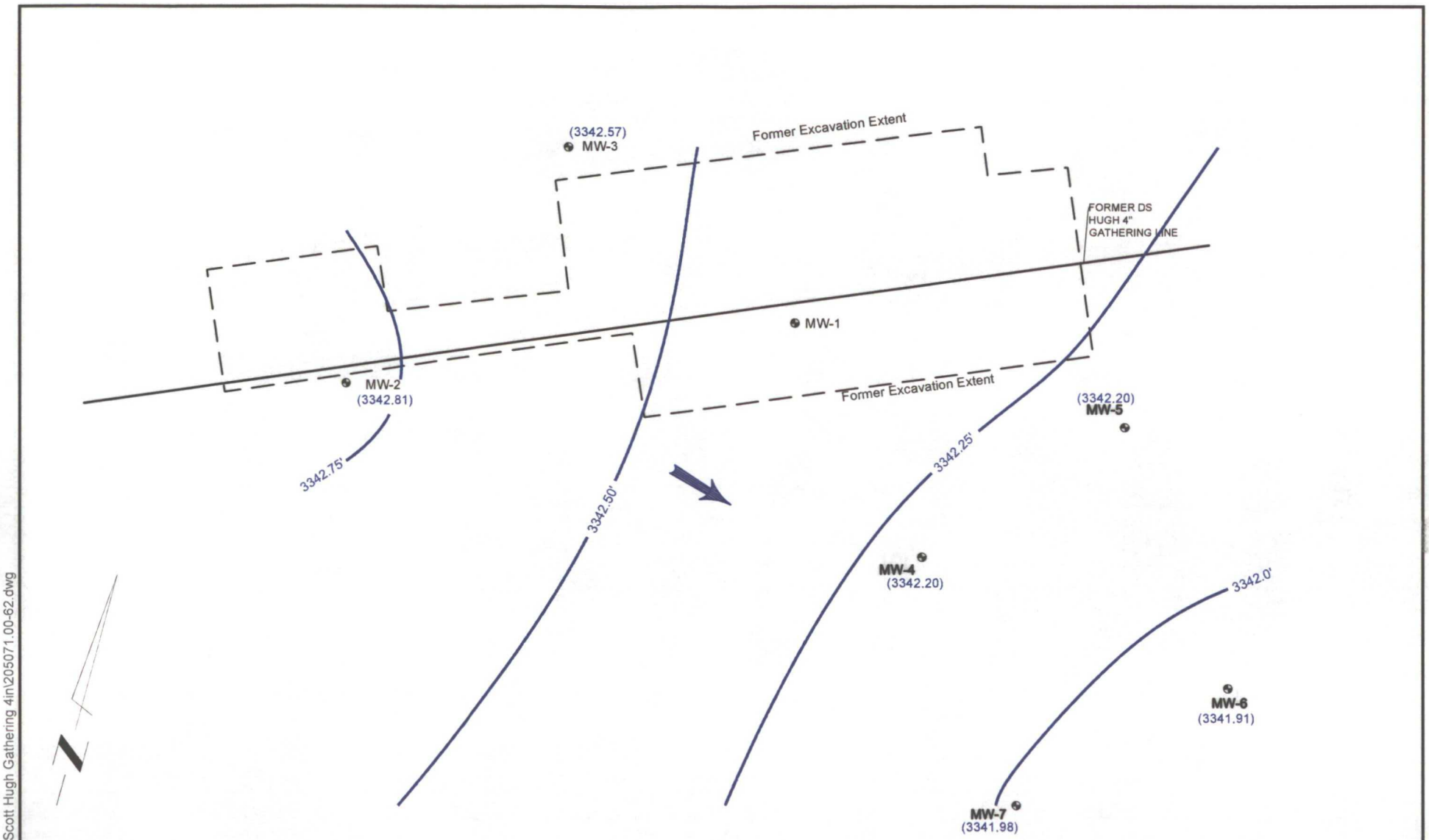

LEGEND:

- MW- - MONITOR WELL LOCATIONS
- — — — - FORMER EXCAVATION EXTENT
- (3343.05) - Corrected Ground Water Elevation, ft.
- –3342.15– - Ground Water Elevation Contour, ft. Contour Interval=0.25 ft.
- → - Apparent Ground Water Flow Direction

Note: MW1 not used to contour due to sock in well.

0 40
FEET

PREMIER ENVIRONMENTAL SERVICES, INC.

Figure 3A
1st Quarter 2010 - Groundwater Gradient Map
February 9, 2010
Plains Pipeline L.P.
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: CBP	DATE: 02/11

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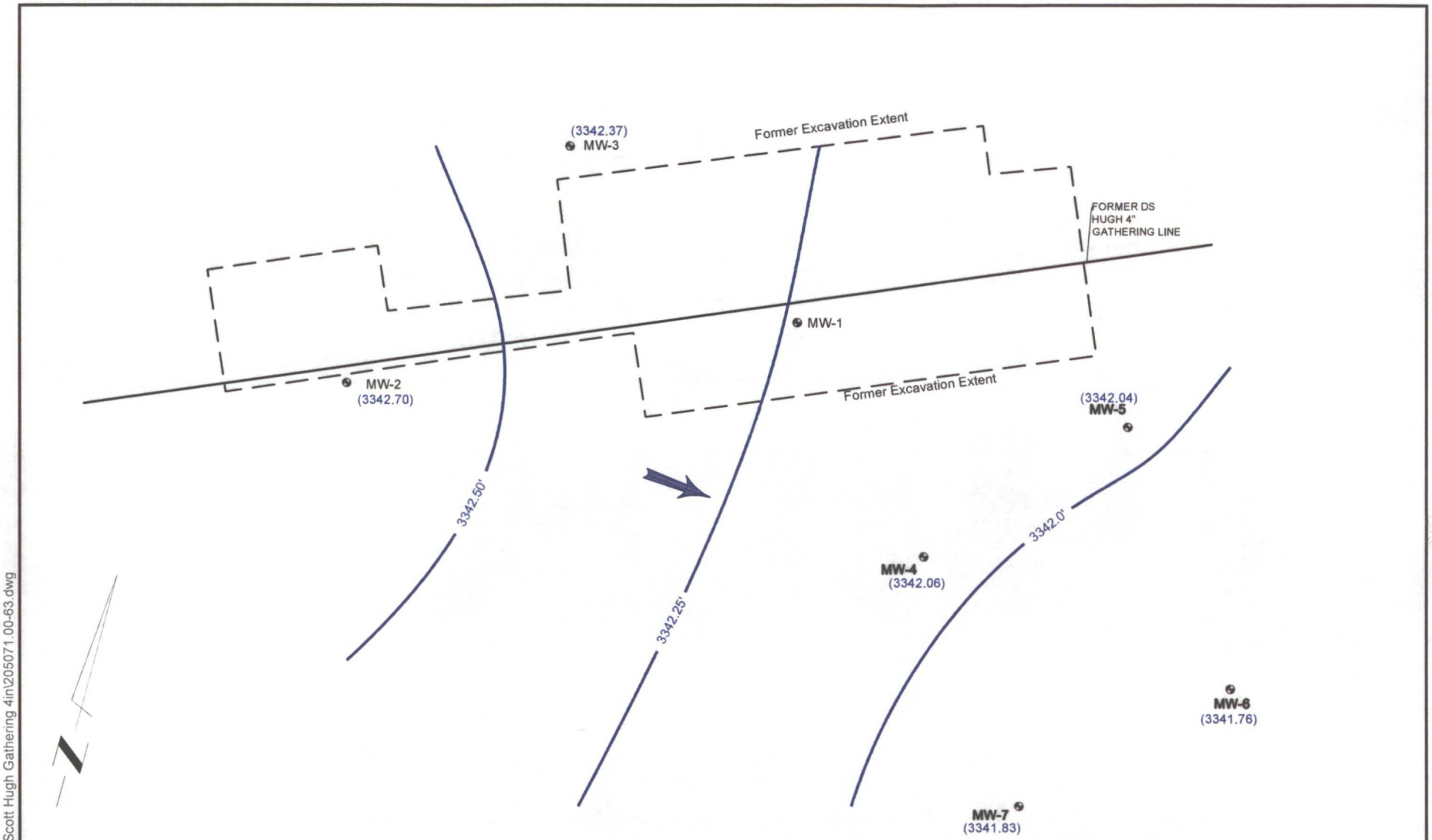

LEGEND:

- MW- - MONITOR WELL LOCATIONS
- — — — - FORMER EXCAVATION EXTENT
- (3343.05) - Corrected Ground Water Elevation, ft.
- 3342.15 - Ground Water Elevation Contour, ft. Contour Interval=0.25 ft.
- Apparent Ground Water Flow Direction

Note: MW1 not used to contour due to sock in well.

0 40
FEET

PREMIER
ENVIRONMENTAL SERVICES, INC.

Figure 3B
2nd Quarter 2010 - Groundwater Gradient Map
May 12, 2010
Plains Pipeline L.P.
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: CBP	DATE: 02/11

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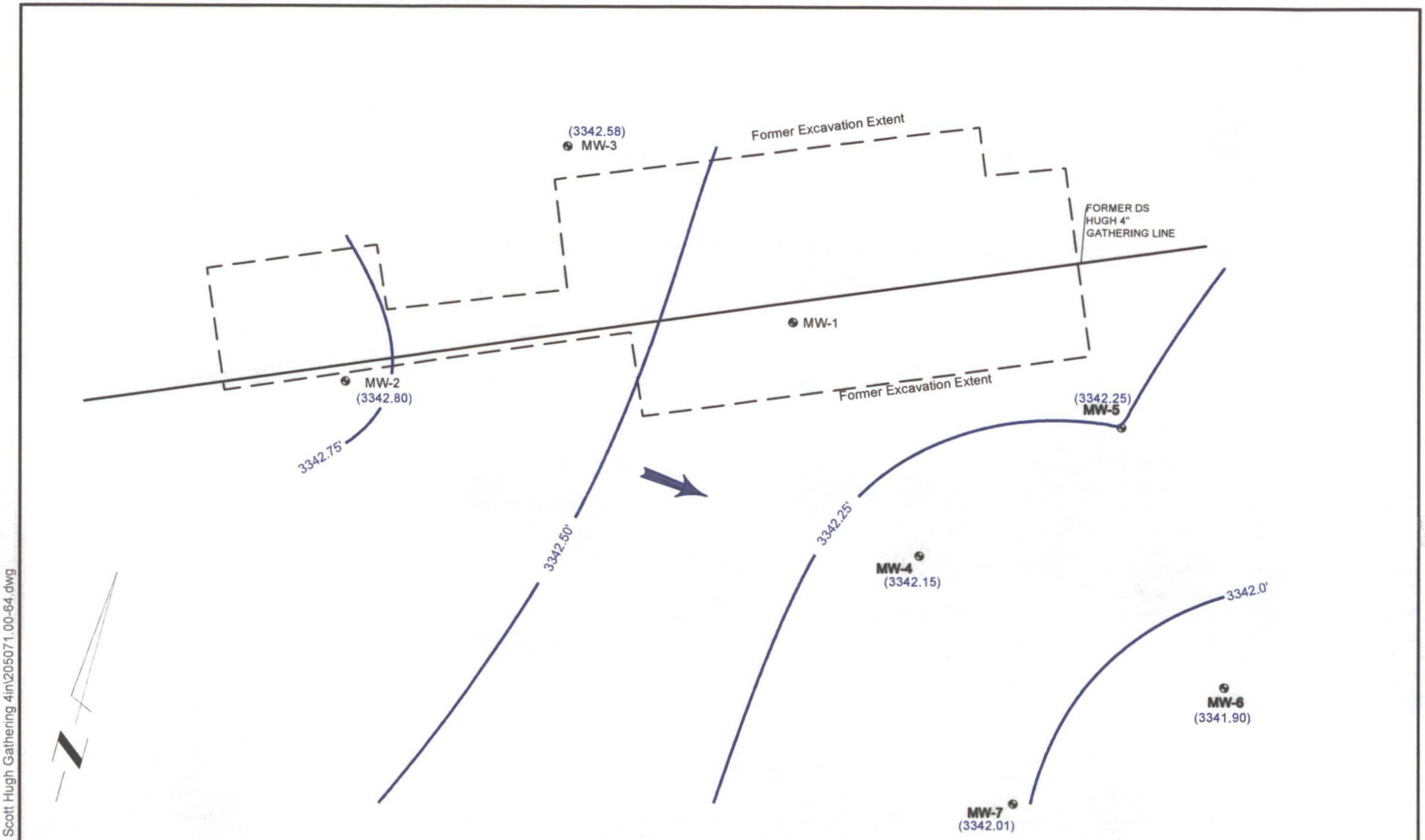

LEGEND:

- MW- - MONITOR WELL LOCATIONS
- — — — - FORMER EXCAVATION EXTENT
- (3343.05) - Corrected Ground Water Elevation, ft.
- –3342.15– - Ground Water Elevation Contour, ft. Contour Interval=0.25 ft.
- → - Apparent Ground Water Flow Direction

Note: MW1 not used to contour due to sock in well.

0 40
FEET

PREMIER
ENVIRONMENTAL SERVICES, INC.

Figure 3C
3rd Quarter 2010 - Groundwater Gradient Map
August 26, 2010
Plains Pipeline L.P.
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: CBP	DATE: 02/11

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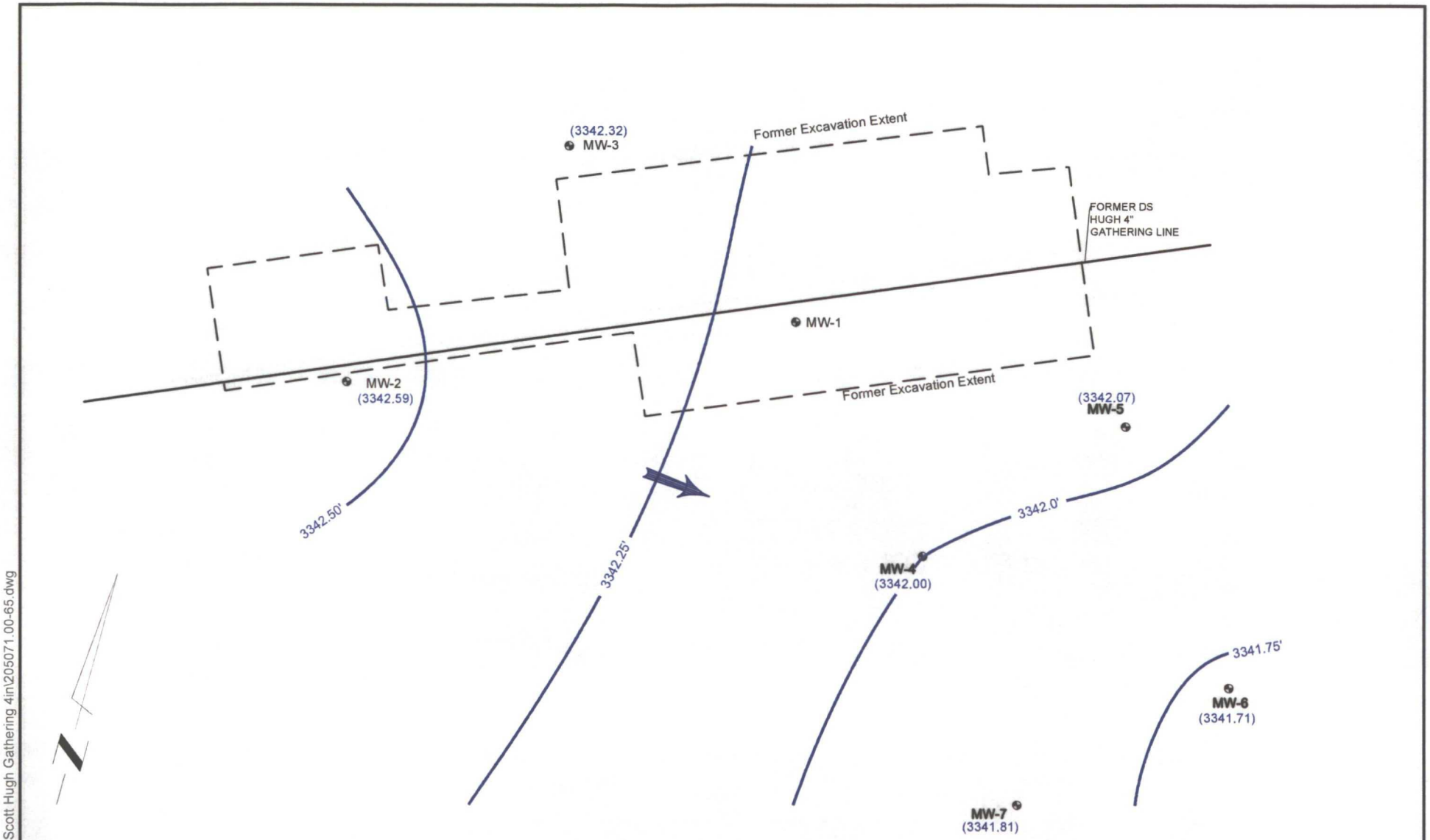

LEGEND:

- MW- - MONITOR WELL LOCATIONS
- — — — - FORMER EXCAVATION EXTENT
- (3343.05) - Corrected Ground Water Elevation, ft.
- 3342.15 - Ground Water Elevation Contour, ft. Contour Interval=0.25 ft.
- Apparent Ground Water Flow Direction

Note: MW1 not used to contour due to sock in well.

0 40
FEET

PREMIER
ENVIRONMENTAL SERVICES, INC.

Figure 3D
4th Quarter 2010 - Groundwater Gradient Map
November 18, 2010
Plains Pipeline L.P.
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: CBP	DATE: 02/11

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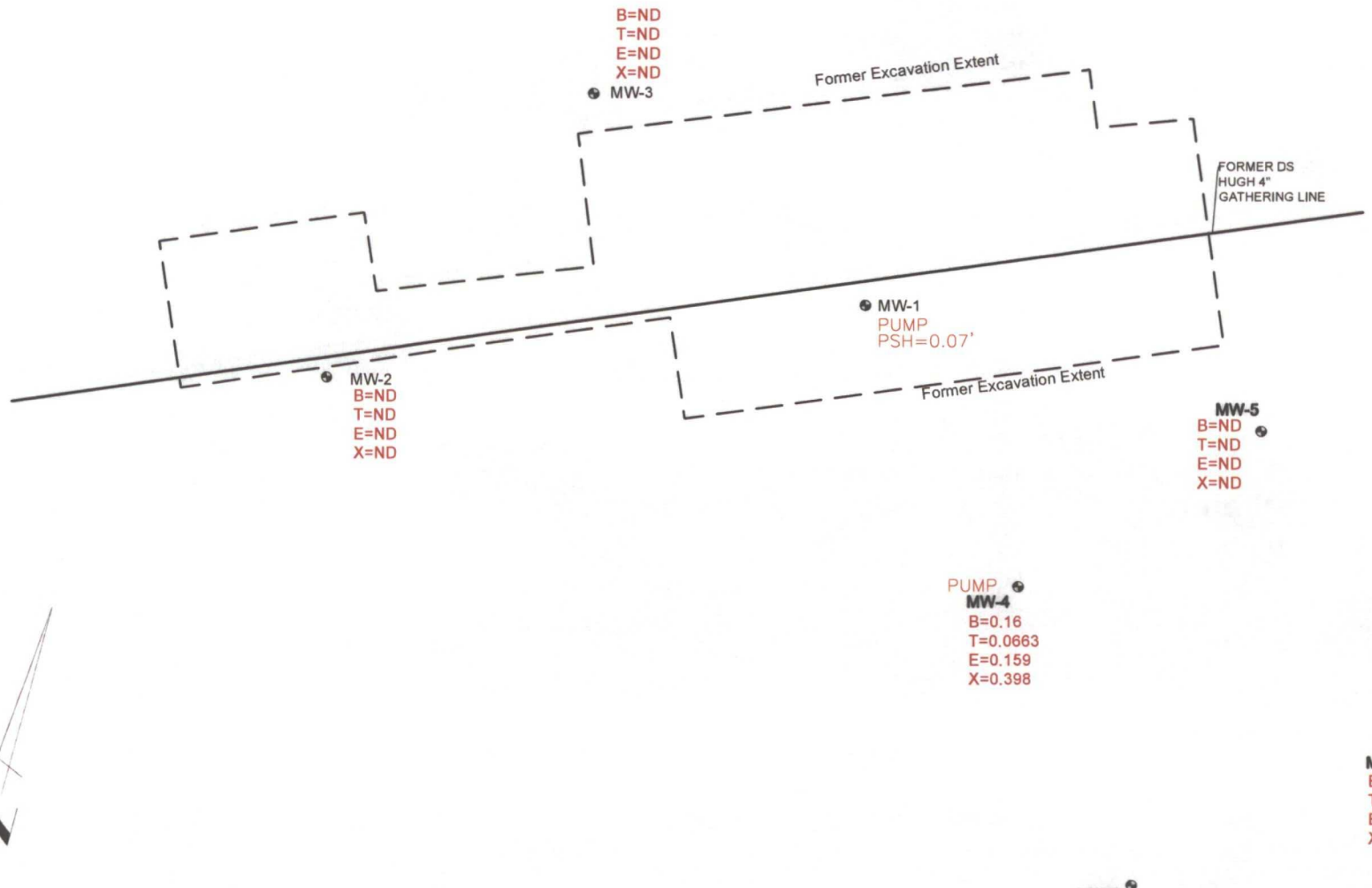

LEGEND:

MW- - MONITOR WELL LOCATIONS

— — — - FORMER EXCAVATION EXTENT

All Concentrations in mg/L.

B - Benzene

T - Toluene

E - Ethylbenzene

X - Xylenes

ND - Concentration below Lab SDLs

0 40

FEET

PREMIER ENVIRONMENTAL SERVICES, INC.

Figure 4A
1st Quarter 2010 - Contaminant Concentration Map
February 9, 2010
Plains Pipeline L.P.
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: CBP	DATE: 02/11

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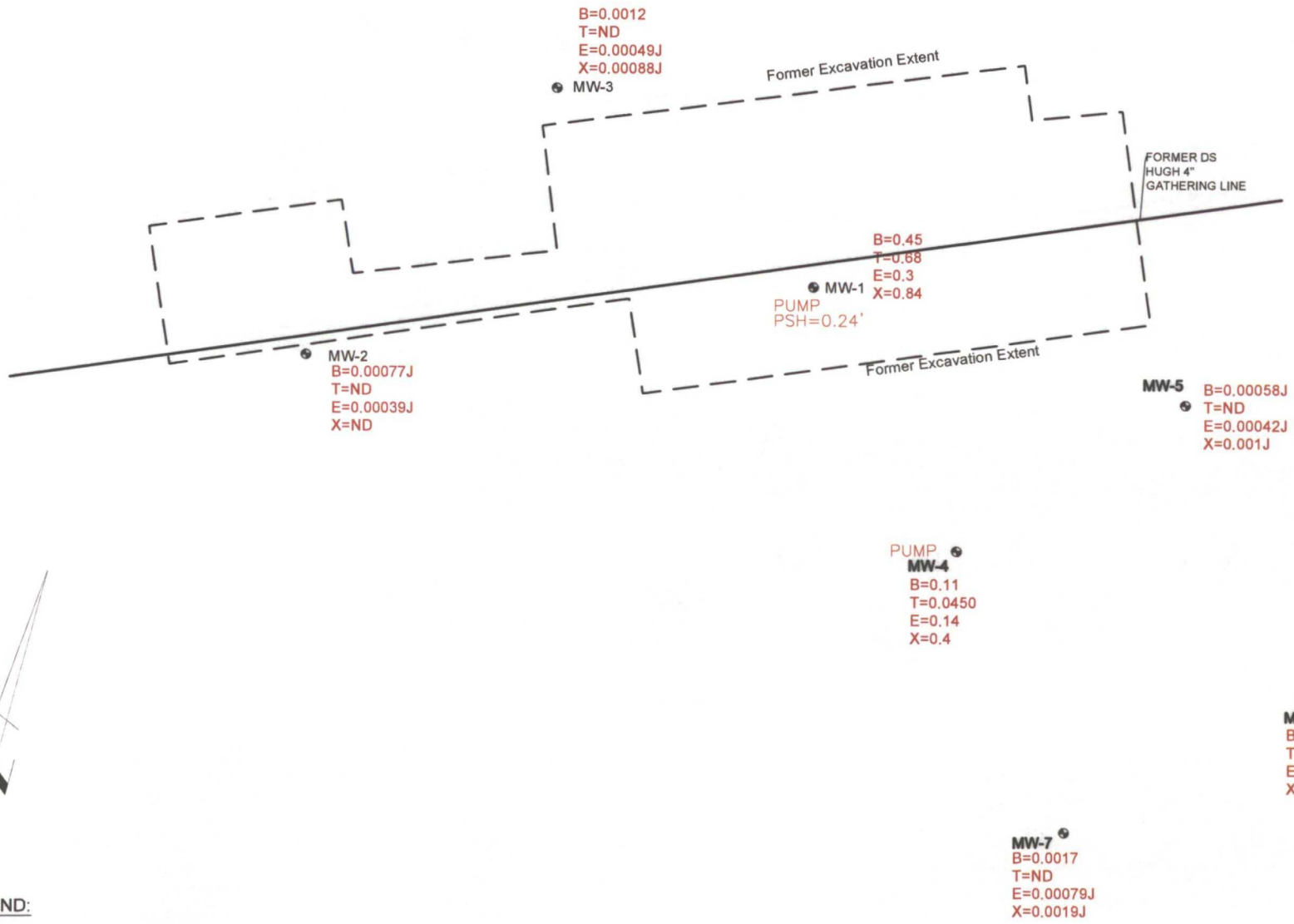

LEGEND:

MW- - MONITOR WELL LOCATIONS

— — — - FORMER EXCAVATION EXTENT

All Concentrations in mg/L.

B - Benzene

T - Toluene

E - Ethylbenzene

X - Xylenes

ND - Concentration below Lab SDLs

0 40

FEET

PREMIER ENVIRONMENTAL SERVICES, INC.

Figure 4B
2nd Quarter 2010 - Contaminant Concentration Map
May 12, 2010
Plains Pipeline L.P.
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: CBP	DATE: 02/11

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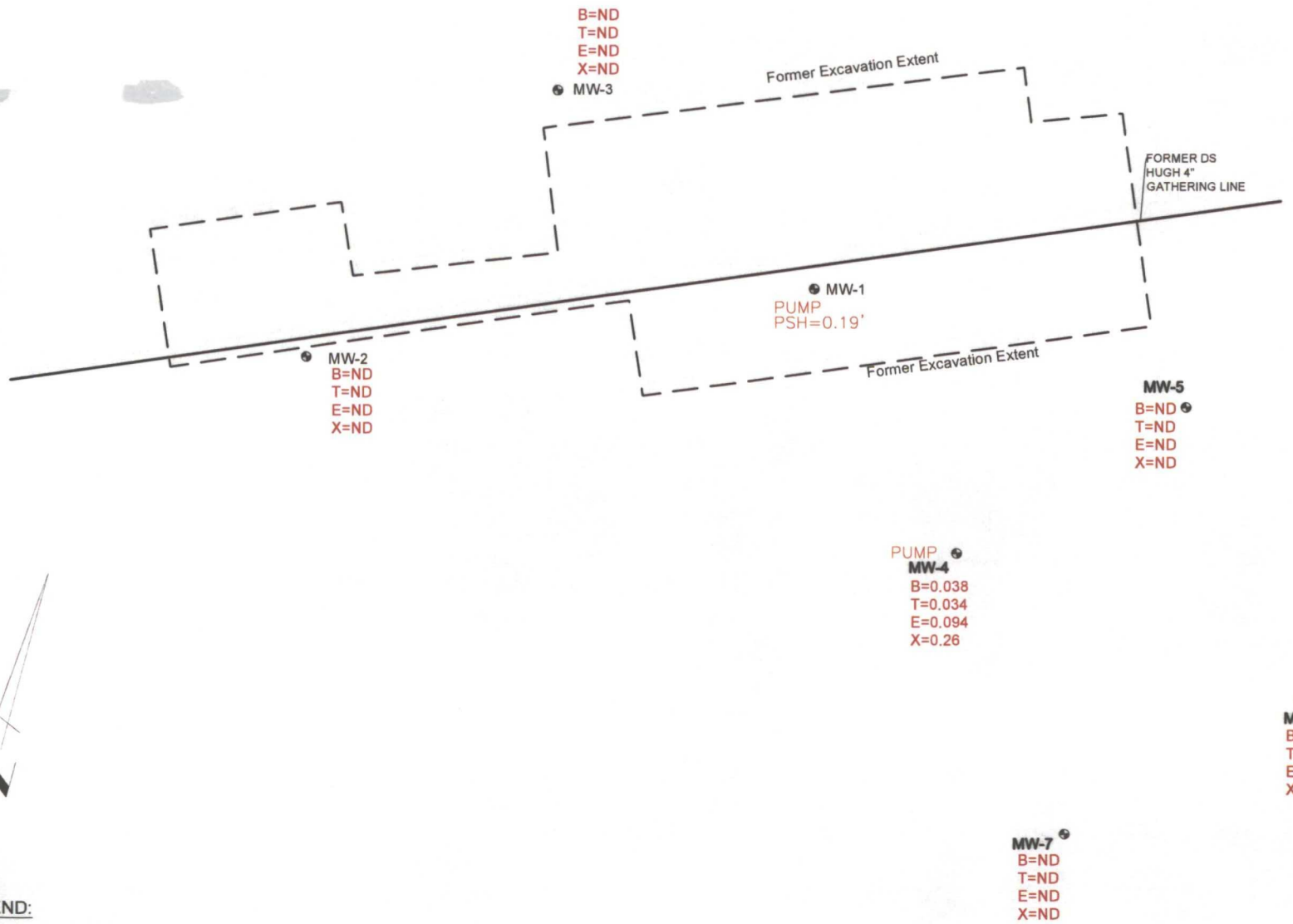

LEGEND:

MW- - MONITOR WELL LOCATIONS

— — — - FORMER EXCAVATION EXTENT

All Concentrations in mg/L.

B - Benzene

T - Toluene

E - Ethylbenzene

X - Xylenes

ND - Concentration below Lab SDLs

0 40

FEET

PREMIER ENVIRONMENTAL SERVICES, INC.

Figure 4C
3rd Quarter 2010 - Contaminant Concentration Map
August 26, 2010
Plains Pipeline L.P.
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: CBP	DATE: 02/11

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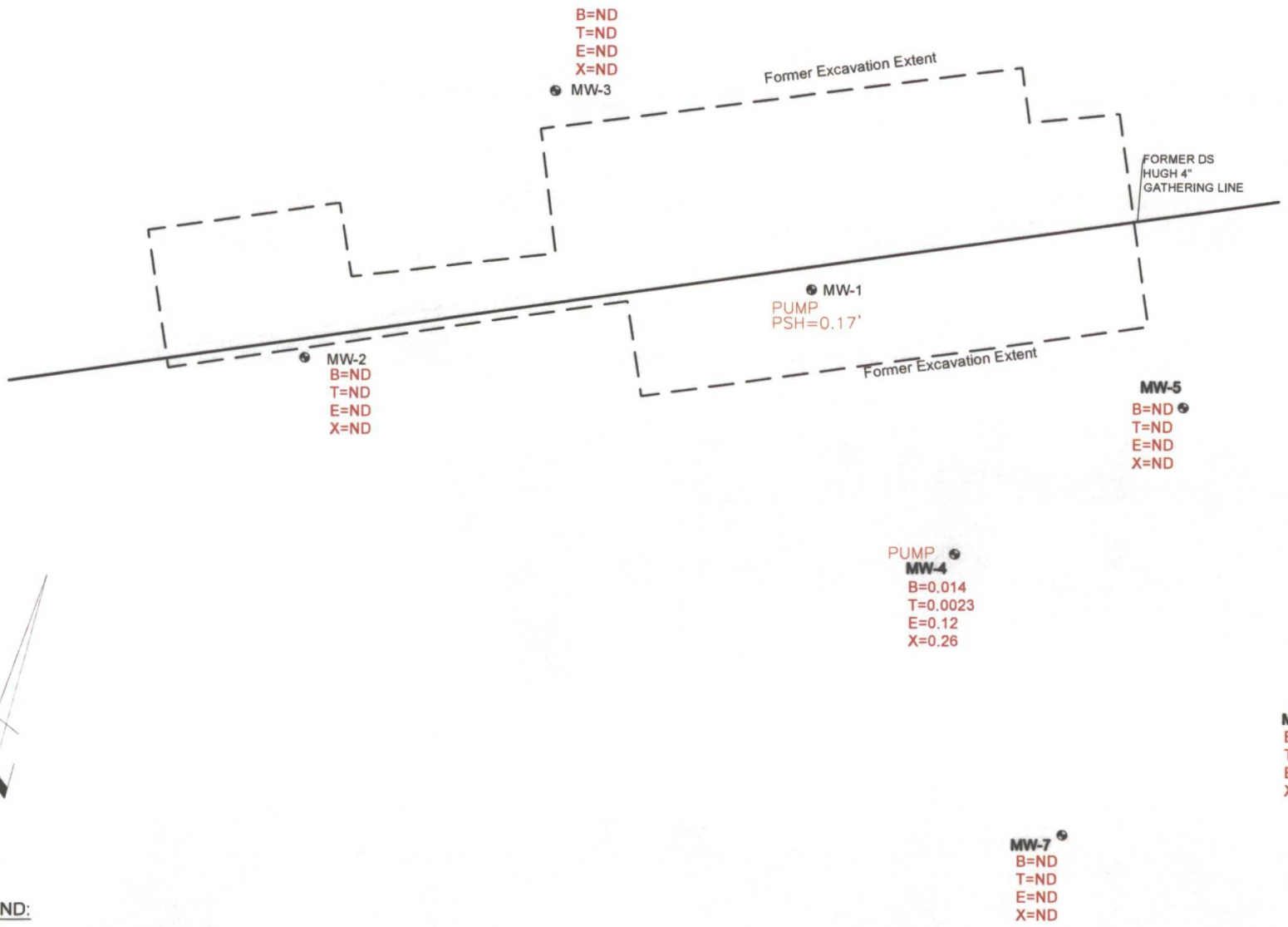

LEGEND:

MW- - MONITOR WELL LOCATIONS

— — — - FORMER EXCAVATION EXTENT

All Concentrations in mg/L.

B - Benzene

T - Toluene

E - Ethylbenzene

X - Xylenes

ND - Concentration below Lab SDLs

0 40

FEET

PREMIER ENVIRONMENTAL SERVICES, INC.

Figure 4D
4th Quarter 2010 - Contaminant Concentration Map
November 18, 2010
Plains Pipeline L.P.
D.S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: CBP	DATE: 02/11

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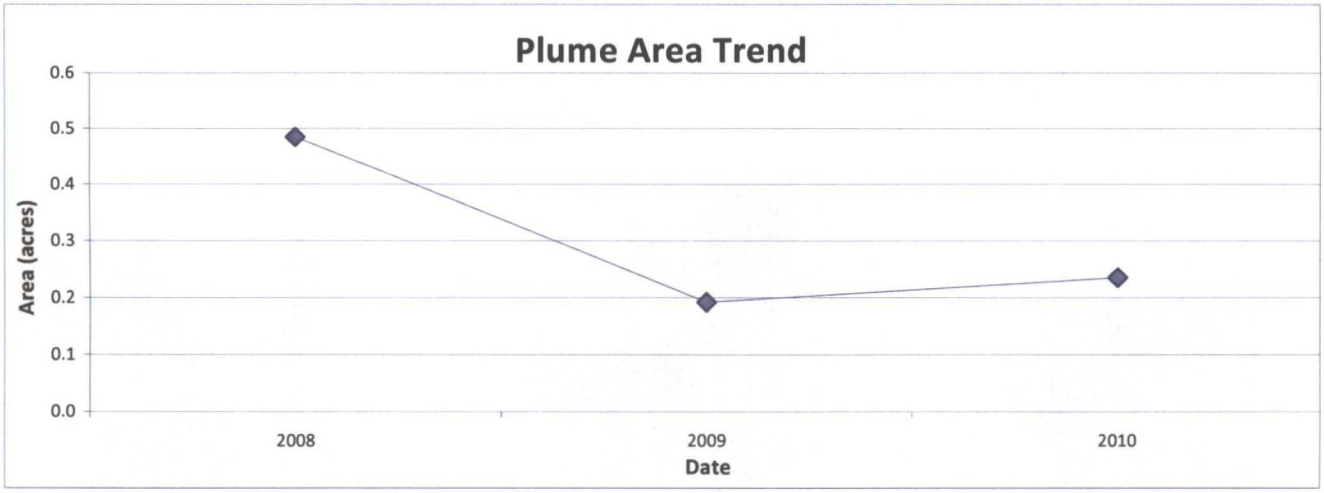
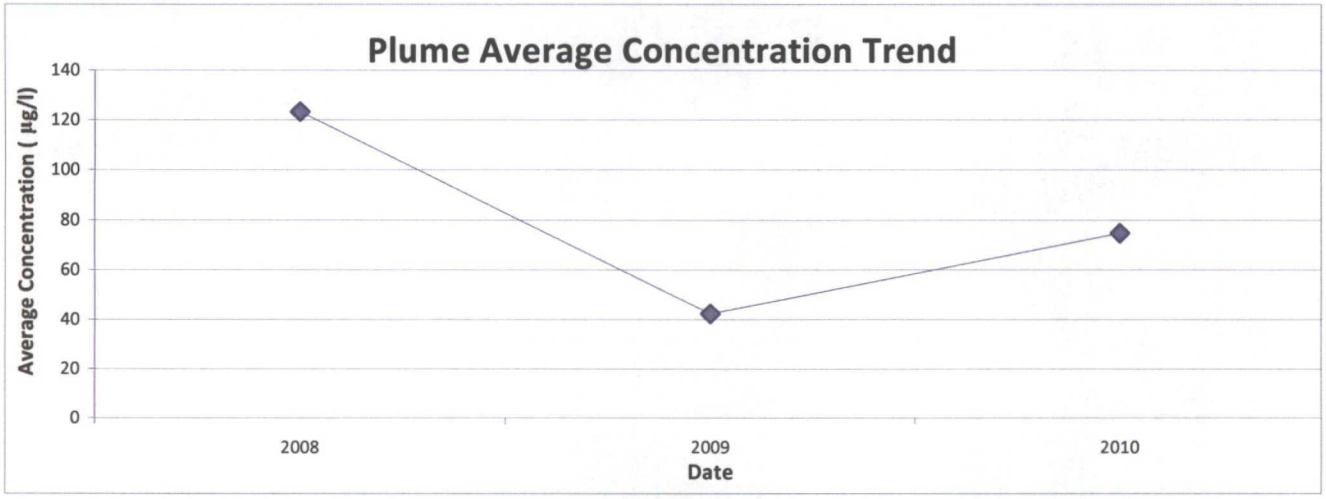
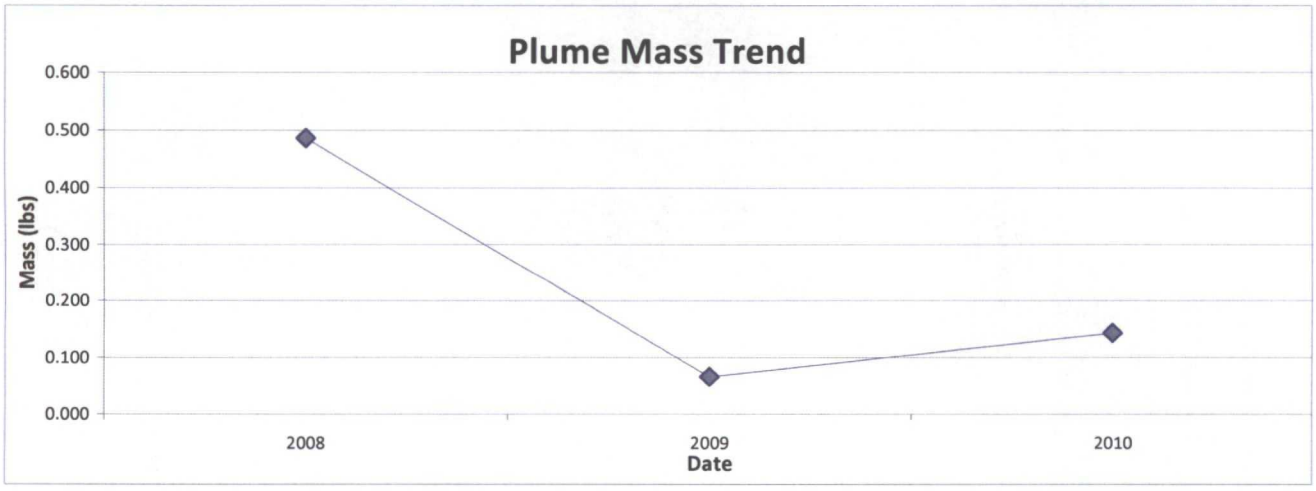






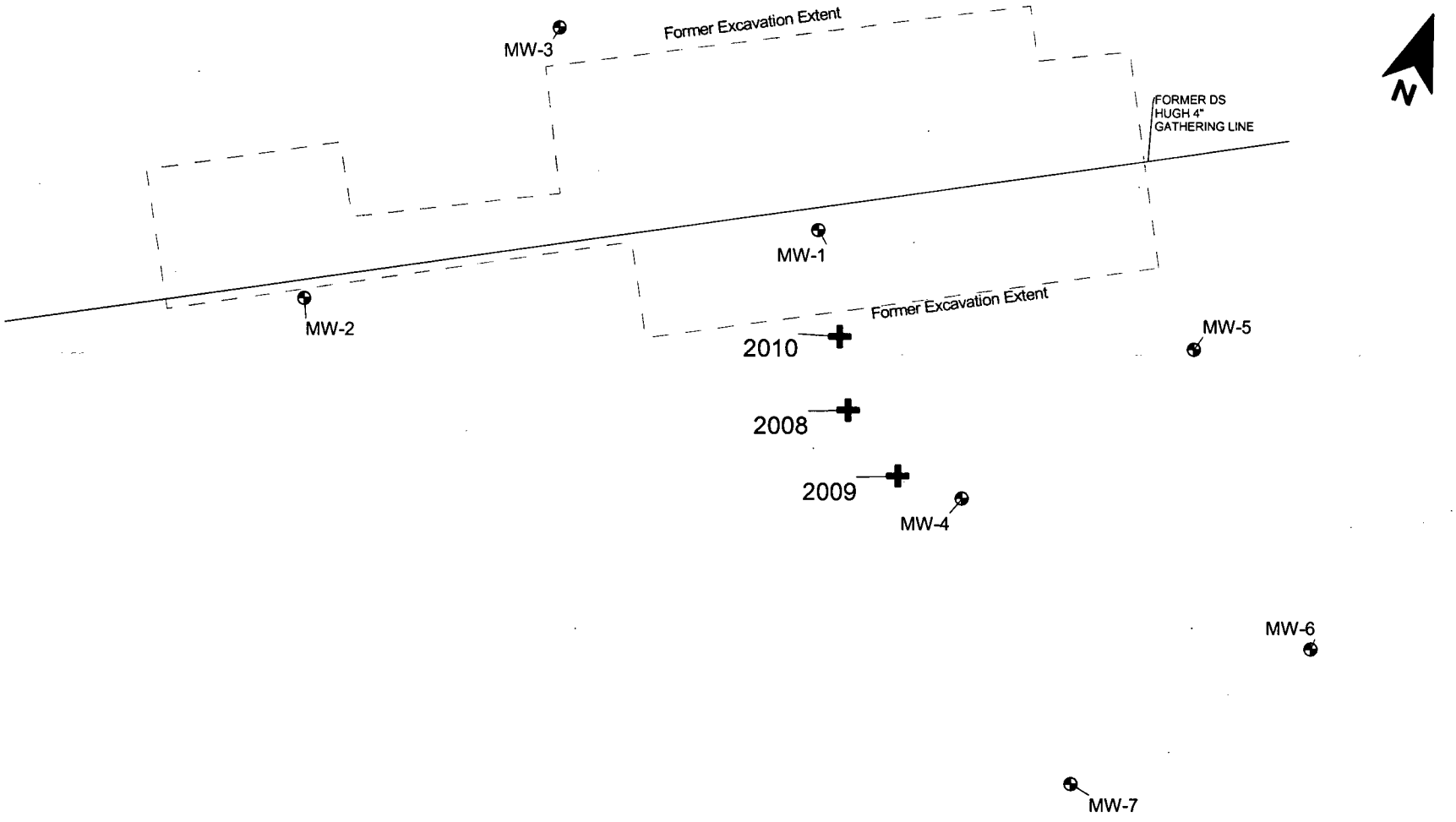
Summary of Plume Stability Characteristics

Date	Area (Acres)	Average Conc. (µg/l)	Mass (lbs)
2008	0.48	123.3	0.49
2009	0.19	42.28	0.07
2010	0.23	74.8	0.14

PREMIER ENVIRONMENTAL SERVICES, INC

Figure 5
Benzene Plume Stability Analysis
Summary 2008, 2009 and 2010
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00 | CK: CBP | DATE: 03/11



0 40 80

Scale in Feet

LEGEND:

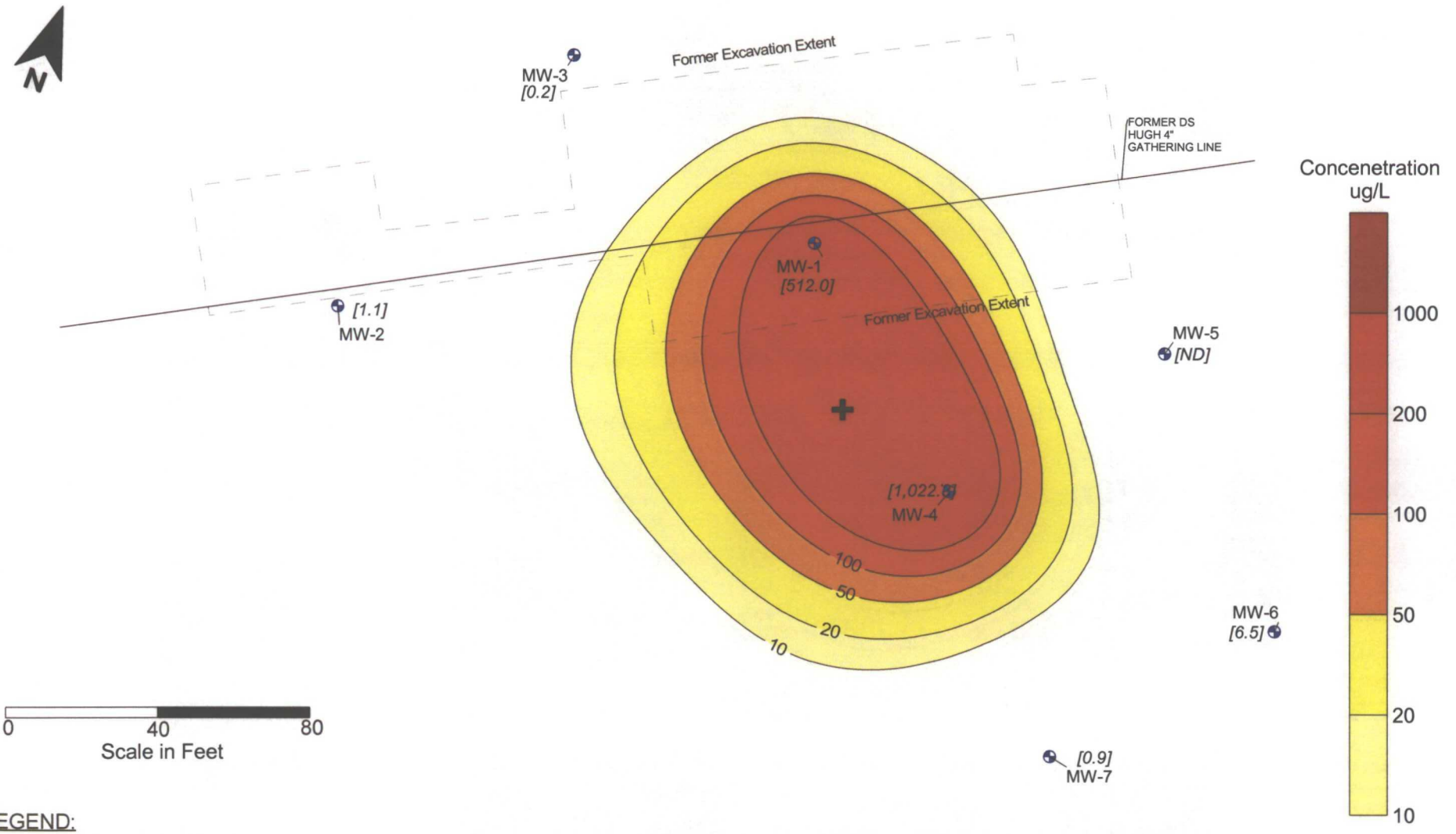
MW - MW - Monitor Wells

\+ - Plume Center of Mass

PREMIER ENVIRONMENTAL SERVICES, INC

Figure 6
Benzene Plume Center of Mass
Summary 2008, 2009 and 2010
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: CBP	DATE: 03/11



LEGEND:

MW - MW - Monitor Wells

\+ - Plume Center of Mass

[2] - Benzene Concentration in ug/L

ND - Non-Detect

NS - Well not sampled

Note:
1. The benzene concentrations presented on this map represent an average of the benzene concentrations reported in the groundwater samples collected during each quarterly sampling events. The only exception being the groundwater collected from MW-1. MW-1 was only sampled during the 2nd Quarter 2008.

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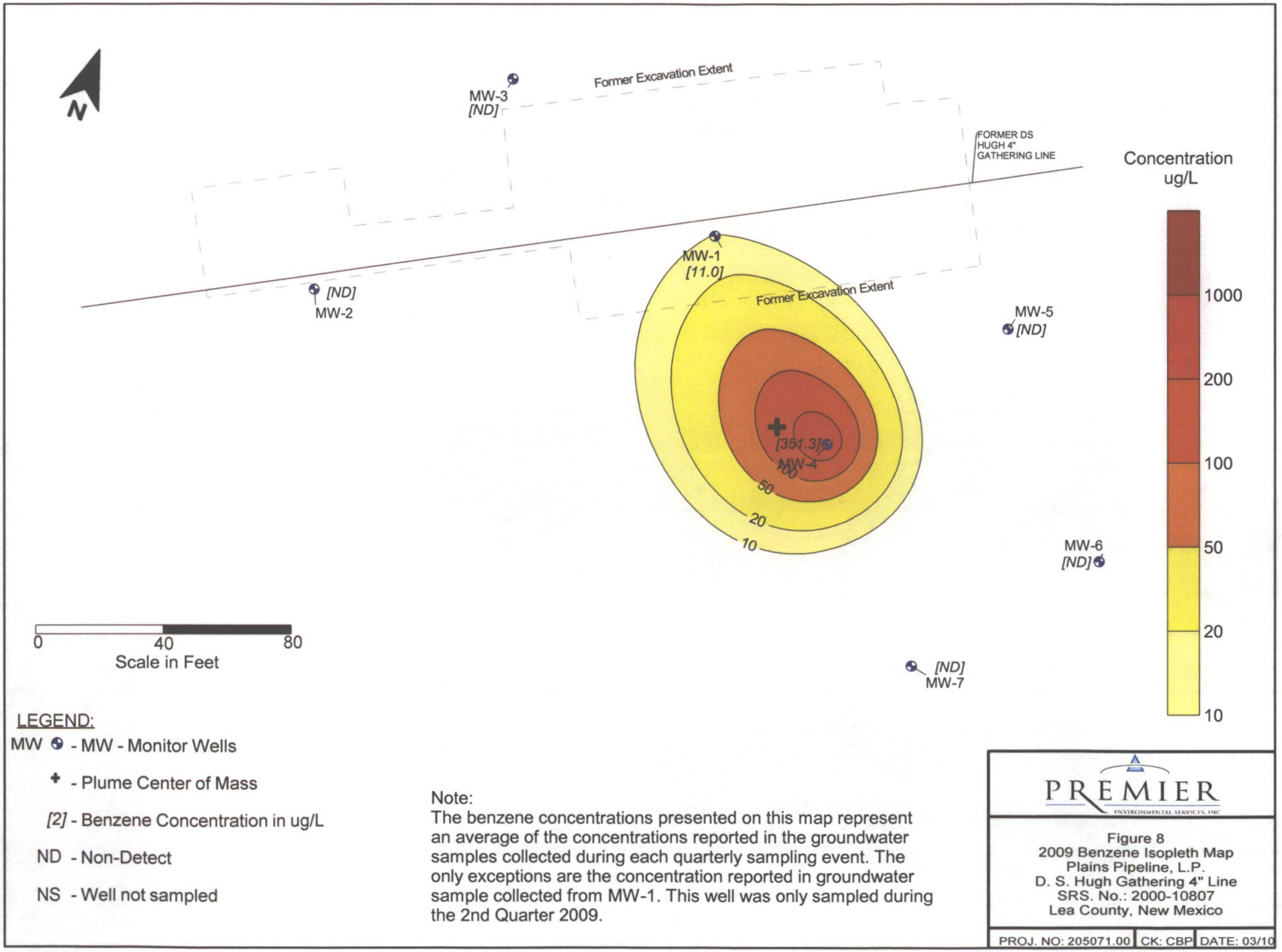
Figure 7
2008 Benzene Isopleth Map
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: CBP	DATE: 03/10



LEGEND:

MW - MW - Monitor Wells

\+ - Plume Center of Mass

[2] - Benzene Concentration in ug/L

ND - Non-Detect

NS - Well not sampled

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. The only exceptions are the concentration reported in groundwater sample collected from MW-1. This well was only sampled during the 2nd Quarter 2009.

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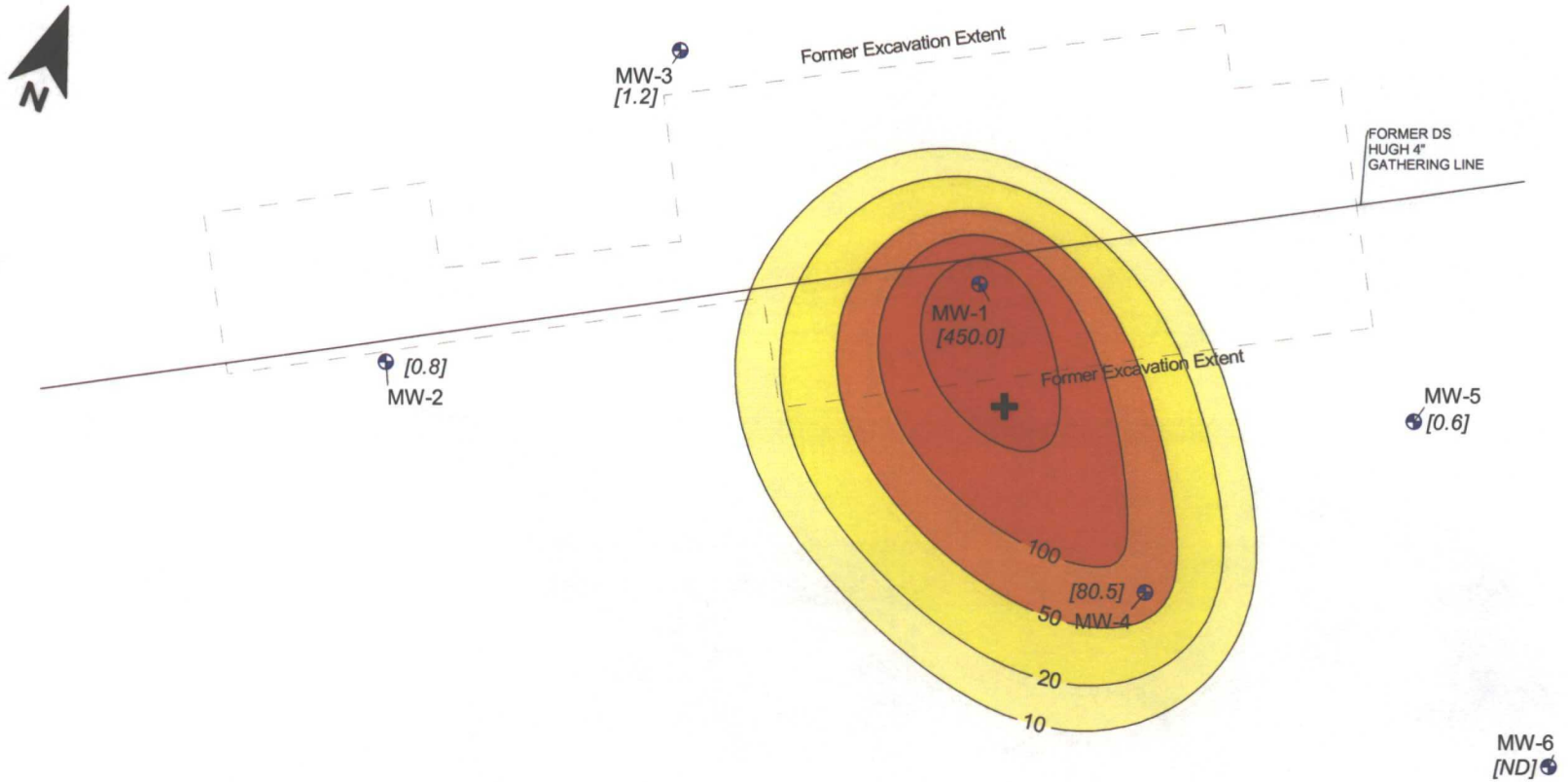
Figure 8
2009 Benzene Isopleth Map
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: CBP	DATE: 03/10



0 40 80
Scale in Feet

Concentration ug/L

1000
200
100
50
20
10

LEGEND:

MW - MW - Monitor Wells

\+ - Plume Center of Mass

[1.7] - Benzene Concentration in ug/L

ND - Non-Detect

NS - Well not sampled

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 2010. The only exception is the concentration reported in groundwater sample collected from MW-1. This well was only sampled during the 2nd Quarter 2010.

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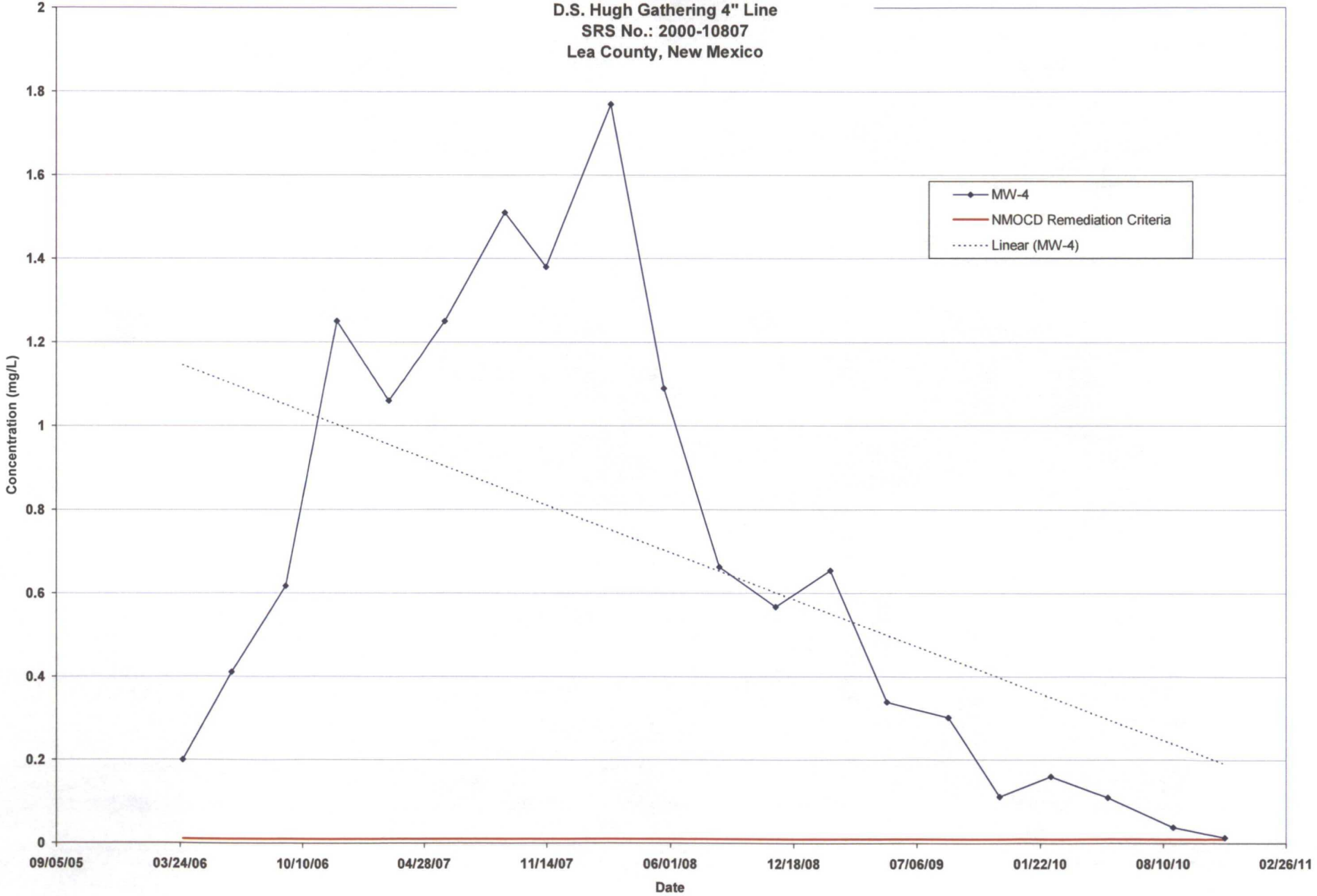
ENVIRONMENTAL SERVICES, INC

Figure 9
2010 Benzene Isopleth Map
Plains Pipeline, L.P.
D. S. Hugh Gathering 4" Line
SRS. No.: 2000-10807
Lea County, New Mexico

PROJ. NO: 205071.00	CK: CBP	DATE: 02/11

Figure 10
Benzene Concentration Trend in Monitor Well MW-4
Plains Pipeline, L.P.
D.S. Hugh Gathering 4" Line
SRS No.: 2000-10807
Lea County, New Mexico



APPENDIX B

Tables

Table 1 – 2010 Groundwater Elevation and PSH Gauging Data

Table 2 – Historical Groundwater Elevation Data
(Available on CD attached to back cover)

Table 3 – Groundwater Sample Analytical Results

Table 4 – Groundwater Analytical Results for Polynuclear Aromatic Hydrocarbons (PAHs) from wells with Sheen/PSH

Table 5 – 2010 Monthly Dissolved Phase Groundwater Recovery Data

TABLE 1
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-1	01/06/10	3389.00	58.77	45.80	46.20	0.40	NA	0.25	49.75	3343.14
	01/06/10	3389.00	58.77	46.84	46.84	0.00	NA	NA	NA	3342.16
	01/13/10	3389.00	58.77	45.91	46.21	0.30	NA	Sheen	50	3343.05
	01/13/10	3389.00	58.77	46.82	46.82	0.00	NA	NA	NA	3342.18
	01/20/10	3389.00	58.77	45.95	46.20	0.25	NA	0.25	49.75	3343.01
	01/20/10	3389.00	58.77	46.52	46.52	0.00	NA	NA	NA	3342.48
	01/27/10	3389.00	58.77	46.04	46.22	0.18	NA	Sheen	50	3342.93
	01/27/10	3389.00	58.77	46.84	46.84	0.00	NA	NA	NA	3342.16
	02/09/10	3389.00	58.77	46.18	46.25	0.07	NA	Sheen	50	3342.81
	02/09/10	3389.00	58.77	46.90	46.90	0.00	NA	NA	NA	3342.10
	02/17/10	3389.00	58.77	46.16	46.20	0.04	NA	Sheen	50	3342.83
	02/17/10	3389.00	58.77	47.29	47.29	0.00	NA	NA	NA	3341.71
	03/02/10	3389.00	58.77	46.08	46.09	0.01	NA	Sheen	50	3342.92
	03/02/10	3389.00	58.77	46.74	46.74	0.00	NA	NA	NA	3342.26
	03/10/10	3389.00	58.77	46.17	46.19	0.02	NA	Sheen	40	3342.83
	03/10/10	3389.00	58.77	46.57	46.57	0.00	NA	NA	NA	3342.43
	03/17/10	3389.00	58.77	46.11	46.17	0.06	NA	Sheen	40	3342.88
	03/17/10	3389.00	58.77	46.69	46.69	0.00	NA	NA	NA	3342.31
	03/24/10	3389.00	58.77	46.10	46.22	0.12	NA	Sheen	40	3342.88
	03/24/10	3389.00	58.77	46.72	46.72	0.00	NA	NA	NA	3342.28
	03/31/10	3389.00	58.77	46.11	46.22	0.11	NA	Sheen	40	3342.87
	03/31/10	3389.00	58.77	46.54	46.54	0.00	NA	NA	NA	3342.46
	04/07/10	3389.00	58.77	46.15	46.25	0.10	NA	Sheen	40	3342.84
	04/07/10	3389.00	58.77	47.15	47.15	0.00	NA	NA	NA	3341.85
	04/14/10	3389.00	58.77	46.15	46.32	0.17	NA	Sheen	40	3342.82
	04/14/10	3389.00	58.77	47.20	47.20	0.00	NA	NA	NA	3341.80
	04/21/10	3389.00	58.77	46.12	46.26	0.14	NA	Sheen	40	3342.86
	04/21/10	3389.00	58.77	46.26	46.26	0.00	NA	NA	NA	3342.74
	04/28/10	3389.00	58.77	46.15	46.32	0.17	NA	Sheen	40	3342.82
	04/28/10	3389.00	58.77	46.51	46.51	0.00	NA	NA	NA	3342.49
	05/05/10	3389.00	58.77	46.20	46.37	0.17	NA	Sheen	10	3342.77
	05/05/10	3389.00	58.77	46.34	46.34	0.00	NA	NA	NA	3342.66
	05/12/10	3389.00	58.77	46.16	46.40	0.24	NA	NA	NA	3342.80
	05/19/10	3389.00	58.77	46.20	46.39	0.19	NA	Sheen	25	3342.77
	05/19/10	3389.00	58.77	46.85	46.85	0.00	NA	NA	NA	3342.15
	05/29/10	3389.00	58.77	46.05	46.30	0.25	NA	Sheen	30	3342.91
	05/29/10	3389.00	58.77	46.43	46.43	0.00	NA	NA	NA	3342.57
	06/02/10	3389.00	58.77	46.00	46.19	0.19	NA	Sheen	20	3342.97
	06/02/10	3389.00	58.77	46.53	46.53	0.00	NA	NA	NA	3342.47
	06/12/10	3389.00	58.77	45.91	46.31	0.40	NA	Sheen	30	3343.03
	06/12/10	3389.00	58.77	46.90	46.90	0.00	NA	NA	NA	3342.10
	06/15/10	3389.00	58.77	45.88	46.10	0.22	NA	0.25	39.75	3343.09
	06/15/10	3389.00	58.77	46.78	46.78	0.00	NA	NA	NA	3342.22
	06/25/10	3389.00	58.77	45.84	46.87	1.03	NA	1.00	29	3343.01
	06/25/10	3389.00	58.77	46.81	46.81	0.00	NA	NA	NA	3342.19
	06/30/10	3389.00	58.77	45.85	46.22	0.37	NA	NA	NA	3343.09
	07/07/10	3389.00	58.77	45.78	45.78	0.00	NA	<0.25	20	3343.22
	07/07/10	3389.00	58.77	46.37	46.37	0.00	NA	NA	NA	3342.63
	07/14/10	3389.00	58.77	45.77	46.14	0.37	NA	Sheen	15	3343.17
	07/14/10	3389.00	58.77	46.61	46.61	0.00	NA	NA	NA	3342.39
	07/20/10	3389.00	58.77	45.88	46.36	0.48	NA	<0.25	30	3343.05
	07/20/10	3389.00	58.77	47.08	47.08	0.00	NA	NA	NA	3341.92
	07/28/10	3389.00	58.77	45.97	46.44	0.47	NA	<0.25	20	3342.96

TABLE 1
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-1	07/28/10	3389.00	58.77	46.65	46.65	0.00	NA	NA	NA	3342.35
	08/03/10	3389.00	58.77	46.02	46.30	0.28	NA	<0.25	30	3342.94
	08/03/10	3389.00	58.77	46.53	46.53	0.00	NA	NA	NA	3342.47
	08/11/10	3389.00	58.77	46.09	46.30	0.21	NA	<0.25	3	3342.88
	08/17/10	3389.00	58.77	46.14	46.27	0.13	NA	<0.25	30	3342.84
	08/17/10	3389.00	58.77	47.34	47.34	0.00	NA	NA	NA	3341.66
	08/25/10	3389.00	58.77	46.06	46.25	0.19	NA	<0.25	30	3342.91
	08/25/10	3389.00	58.77	46.74	46.74	0.00	NA	NA	NA	3342.26
	09/01/10	3389.00	58.77	45.92	46.28	0.36	NA	Heavy sheen	30	3343.03
	09/01/10	3389.00	58.77	47.10	47.10	0.00	NA	NA	NA	3341.90
	09/08/10	3389.00	58.77	46.09	46.39	0.30	NA	Heavy sheen	30	3342.87
	09/08/10	3389.00	58.77	46.77	46.77	0.00	NA	NA	NA	3342.23
	09/15/10	3389.00	58.77	46.15	46.23	0.08	NA	Heavy sheen	20	3342.84
	09/15/10	3389.00	58.77	46.76	46.76	0.00	NA	NA	NA	3342.24
	09/21/10	3389.00	58.77	46.09	46.33	0.24	NA	Heavy sheen	20	3342.87
	09/21/10	3389.00	58.77	46.84	46.84	0.00	NA	NA	NA	3342.16
	10/01/10	3389.00	58.77	46.02	46.41	0.39	NA	Heavy sheen	20	3342.92
	10/01/10	3389.00	58.77	46.79	46.79	0.00	NA	NA	NA	3342.21
	10/06/10	3389.00	58.77	45.99	46.21	0.22	NA	Heavy sheen	20	3342.98
	10/06/10	3389.00	58.77	46.70	46.70	0.00	NA	NA	NA	3342.30
	10/13/10	3389.00	58.77	45.94	46.33	0.39	NA	Heavy sheen	20	3343.00
	10/13/10	3389.00	58.77	46.90	46.90	0.00	NA	NA	NA	3342.10
	10/22/10	3389.00	58.77	46.02	46.46	0.44	NA	Heavy sheen	20	3342.91
	10/22/10	3389.00	58.77	47.04	47.04	0.00	NA	NA	NA	3341.96
	10/27/10	3389.00	58.77	46.06	46.18	0.12	NA	Heavy sheen	40	3342.92
	10/27/10	3389.00	58.77	46.27	46.27	0.00	NA	NA	NA	3342.73
	11/03/10	3389.00	58.77	46.14	46.32	0.18	NA	Heavy sheen	30	3342.83
	11/03/10	3389.00	58.77	46.76	46.76	0.00	NA	NA	NA	3342.24
	11/10/10	3389.00	58.77	46.08	46.28	0.20	NA	Heavy sheen	30	3342.89
	11/10/10	3389.00	58.77	46.84	46.84	0.00	NA	NA	NA	3342.16
	11/16/10	3389.00	58.77	46.18	46.35	0.17	NA	Heavy sheen	30	3342.79
	11/16/10	3389.00	58.77	46.40	46.40	0.00	NA	NA	NA	3342.60
	11/23/10	3389.00	58.77	46.15	46.37	0.22	NA	Heavy sheen	10	3342.82
	11/23/10	3389.00	58.77	46.76	46.76	0.00	NA	NA	NA	3342.24
	12/01/10	3389.00	58.77	46.17	46.40	0.23	NA	Heavy sheen	20	3342.80
	12/01/10	3389.00	58.77	46.65	46.65	0.00	NA	NA	NA	3342.35
	12/08/10	3389.00	58.77	46.16	46.42	0.26	NA	Heavy sheen	30	3342.80
	12/08/10	3389.00	58.77	47.14	47.14	0.00	NA	NA	NA	3341.86
	12/15/10	3389.00	58.77	46.14	46.34	0.20	NA	Heavy sheen	30	3342.83
	12/15/10	3389.00	58.77	47.39	47.39	0.00	NA	NA	NA	3341.61
	12/21/10	3389.00	58.77	46.20	46.34	0.14	NA	Heavy sheen	30	3342.78
	12/21/10	3389.00	58.77	46.92	46.92	0.00	NA	NA	NA	3342.08
MW-2	01/06/10	3388.38	59.32	NA	45.34	NA	NA	NA	NA	3343.04
	02/09/10	3388.38	59.32	NA	45.57	NA	NA	NA	NA	3342.81
	03/10/10	3388.38	59.32	NA	45.54	NA	NA	NA	NA	3342.84
	04/07/10	3388.38	59.32	NA	45.61	NA	NA	NA	NA	3342.77
	05/05/10	3388.38	59.32	NA	45.71	NA	NA	NA	NA	3342.67
	05/12/10	3388.38	59.32	NA	45.68	NA	NA	NA	NA	3342.70
	06/02/10	3388.38	59.32	NA	45.52	NA	NA	NA	NA	3342.86
	07/07/10	3388.38	59.32	NA	45.34	NA	NA	NA	NA	3343.04
	08/03/10	3388.38	59.32	NA	45.56	NA	NA	NA	NA	3342.82

TABLE 1
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-2	08/26/10	3388.38	59.32	NA	45.58	NA	NA	NA	NA	3342.80
	09/01/10	3388.38	59.32	NA	45.47	NA	NA	NA	NA	3342.91
	10/13/10	3388.38	59.32	NA	45.58	NA	NA	NA	NA	3342.80
	11/18/10	3388.38	59.32	NA	45.79	NA	NA	NA	NA	3342.59
	11/23/10	3388.38	59.32	NA	45.81	NA	NA	NA	NA	3342.57
	12/08/10	3388.38	59.32	NA	45.83	NA	NA	NA	NA	3342.55
MW-3	01/06/10	3388.52	59.70	NA	45.74	NA	NA	NA	NA	3342.78
	02/09/10	3388.52	59.70	NA	45.95	NA	NA	NA	NA	3342.57
	03/10/10	3388.52	59.70	NA	45.98	NA	NA	NA	NA	3342.54
	04/07/10	3388.52	59.70	NA	46.05	NA	NA	NA	NA	3342.47
	05/05/10	3388.52	59.70	NA	46.14	NA	NA	NA	NA	3342.38
	05/12/10	3388.52	59.70	NA	46.15	NA	NA	NA	NA	3342.37
	06/02/10	3388.52	59.70	NA	45.91	NA	NA	NA	NA	3342.61
	07/07/10	3388.52	59.70	NA	45.72	NA	NA	NA	NA	3342.80
	08/03/10	3388.52	59.70	NA	45.95	NA	NA	NA	NA	3342.57
	08/26/10	3388.52	59.70	NA	45.94	NA	NA	NA	NA	3342.58
	09/01/10	3388.52	59.70	NA	45.84	NA	NA	NA	NA	3342.68
	10/13/10	3388.52	59.70	NA	45.93	NA	NA	NA	NA	3342.59
	11/18/10	3388.52	59.70	NA	46.20	NA	NA	NA	NA	3342.32
	11/23/10	3388.52	59.70	NA	46.22	NA	NA	NA	NA	3342.30
	12/08/10	3388.52	59.70	NA	46.24	NA	NA	NA	NA	3342.28
MW-4	01/06/10	3388.92	58.90	NA	46.49	NA	Pump	0	20	3342.43
	01/06/10	3388.92	58.90	NA	46.51	NA	NA	NA	NA	3342.41
	01/13/10	3388.92	58.90	NA	46.57	NA	Pump	0	20	3342.35
	01/13/10	3388.92	58.90	NA	46.60	NA	NA	NA	NA	3342.32
	01/20/10	3388.92	58.90	NA	46.60	NA	Pump	0	20	3342.32
	01/20/10	3388.92	58.90	NA	46.61	NA	NA	NA	NA	3342.31
	01/27/10	3388.92	58.90	NA	46.66	NA	Pump	0	20	3342.26
	01/27/10	3388.92	58.90	NA	46.67	NA	NA	NA	NA	3342.25
	02/09/10	3388.92	58.90	NA	46.72	NA	Pump	0	20	3342.20
	02/09/10	3388.92	58.90	NA	46.75	NA	NA	NA	NA	3342.17
	02/17/10	3388.92	58.90	NA	46.67	NA	Pump	0	20	3342.25
	02/17/10	3388.92	58.90	NA	46.68	NA	NA	NA	NA	3342.24
	03/02/10	3388.92	58.90	NA	46.76	NA	Pump	0	20	3342.16
	03/02/10	3388.92	58.90	NA	46.78	NA	NA	NA	NA	3342.14
	03/10/10	3388.92	58.90	NA	46.71	NA	Pump	0	20	3342.21
	03/10/10	3388.92	58.90	NA	46.74	NA	NA	NA	NA	3342.18
	03/17/10	3388.92	58.90	NA	46.80	NA	Pump	0	20	3342.12
	03/17/10	3388.92	58.90	NA	46.81	NA	NA	NA	NA	3342.11
	03/24/10	3388.92	58.90	NA	46.80	NA	Pump	0	20	3342.12
	03/24/10	3388.92	58.90	NA	46.85	NA	NA	NA	NA	3342.07
	03/31/10	3388.92	58.90	NA	46.74	NA	Pump	0	20	3342.18
	03/31/10	3388.92	58.90	NA	46.75	NA	NA	NA	NA	3342.17
	04/07/10	3388.92	58.90	NA	46.78	NA	Pump	0	20	3342.14
	04/07/10	3388.92	58.90	NA	46.80	NA	NA	NA	NA	3342.12
	04/14/10	3388.92	58.90	NA	46.82	NA	Pump	0	20	3342.10
	04/14/10	3388.92	58.90	NA	46.83	NA	NA	NA	NA	3342.09
	04/21/10	3388.92	58.90	NA	46.78	NA	Pump	0	20	3342.14
	04/21/10	3388.92	58.90	NA	46.80	NA	NA	NA	NA	3342.12
	04/28/10	3388.92	58.90	NA	46.80	NA	Pump	0	20	3342.12

TABLE 1
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-4	04/28/10	3388.92	58.90	NA	46.81	NA	NA	NA	NA	3342.11
	05/05/10	3388.92	58.90	NA	46.87	NA	Pump	0	20	3342.05
	05/05/10	3388.92	58.90	NA	46.90	NA	NA	NA	NA	3342.02
	05/12/10	3388.92	58.90	NA	46.86	NA	NA	NA	NA	3342.06
	05/19/10	3388.92	58.90	NA	46.84	NA	Pump	0	20	3342.08
	05/19/10	3388.92	58.90	NA	46.85	NA	NA	NA	NA	3342.07
	05/29/10	3388.92	58.90	NA	46.70	NA	Pump	0	20	3342.22
	05/29/10	3388.92	58.90	NA	46.73	NA	NA	NA	NA	3342.19
	06/02/10	3388.92	58.90	NA	46.69	NA	NA	NA	NA	3342.23
	06/12/10	3388.92	58.90	NA	46.63	NA	Pumo	0	20	3342.29
	06/12/10	3388.92	58.90	NA	46.63	NA	NA	NA	NA	3342.29
	06/15/10	3388.92	58.90	NA	46.52	NA	Pump	0	20	3342.40
	06/15/10	3388.92	58.90	NA	46.54	NA	NA	NA	NA	3342.38
	06/25/10	3388.92	58.90	NA	46.58	NA	Pump	0	20	3342.34
	06/25/10	3388.92	58.90	NA	46.59	NA	NA	NA	NA	3342.33
	06/30/10	3388.92	58.90	NA	46.55	NA	NA	NA	NA	3342.37
	07/07/10	3388.92	58.90	NA	46.52	NA	Pump	0	20	3342.40
	07/07/10	3388.92	58.90	NA	46.54	NA	NA	NA	NA	3342.38
	07/14/10	3388.92	58.90	NA	46.51	NA	Pump	0	20	3342.41
	07/14/10	3388.92	58.90	NA	46.51	NA	NA	NA	NA	3342.41
	07/29/10	3388.92	58.90	NA	46.68	NA	Pump	0	20	3342.24
	07/28/10	3388.92	58.90	NA	46.69	NA	NA	NA	NA	3342.23
	08/03/10	3388.92	58.90	NA	46.67	NA	Pump	0	20	3342.25
	08/03/10	3388.92	58.90	NA	46.68	NA	NA	NA	NA	3342.24
	08/17/10	3388.92	58.90	NA	46.83	NA	Pump	0	20	3342.09
	08/17/10	3388.92	58.90	NA	46.83	NA	NA	NA	NA	3342.09
	08/25/10	3388.92	58.90	NA	46.72	NA	Pump	0	20	3342.20
	08/25/10	3388.92	58.90	NA	46.74	NA	NA	NA	NA	3342.18
	08/26/10	3388.92	58.90	NA	46.77	NA	NA	NA	NA	3342.15
	09/01/10	3388.92	58.90	NA	46.62	NA	Pump	0	20	3342.30
	09/01/10	3388.92	58.90	NA	46.67	NA	NA	NA	NA	3342.25
	09/08/10	3388.92	58.90	NA	46.77	NA	Pump	0	20	3342.15
	09/08/10	3388.92	58.90	NA	46.79	NA	NA	NA	NA	3342.13
	09/15/10	3388.92	58.90	NA	46.84	NA	Pump	0	20	3342.08
	09/15/10	3388.92	58.90	NA	46.87	NA	NA	NA	NA	3342.05
	09/21/10	3388.92	58.90	NA	46.76	NA	Pump	0	20	3342.16
	09/21/10	3388.92	58.90	NA	46.75	NA	NA	NA	NA	3342.17
	10/01/10	3388.92	58.90	NA	46.71	NA	Pump	0	20	3342.21
	10/01/10	3388.92	58.90	NA	46.74	NA	NA	NA	NA	3342.18
	10/06/10	3388.92	58.90	NA	46.69	NA	Pump	0	20	3342.23
	10/06/10	3388.92	58.90	NA	46.71	NA	NA	NA	NA	3342.21
	10/13/10	3388.92	58.90	NA	46.69	NA	Pump	0	20	3342.23
	10/13/10	3388.92	58.90	NA	46.72	NA	NA	NA	NA	3342.20
	10/27/10	3388.92	58.90	NA	46.83	NA	Pump	0	20	3342.09
	10/27/10	3388.92	58.90	NA	46.83	NA	NA	NA	NA	3342.09
	11/03/10	3388.92	58.90	NA	46.81	NA	Pump	0	20	3342.11
	11/03/10	3388.92	58.90	NA	46.86	NA	NA	NA	NA	3342.06
	11/10/10	3388.92	58.90	NA	46.84	NA	Pump	0	20	3342.08
	11/10/10	3388.92	58.90	NA	46.85	NA	NA	NA	NA	3342.07
	11/18/10	3388.92	58.90	NA	46.92	NA				3342.00
	11/23/10	3388.92	58.90	NA	46.91	NA	Pump	0	10	3342.01
	11/23/10	3388.92	58.90	NA	46.92	NA				3342.00

TABLE 1
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Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-4	12/01/10	3388.92	58.90	NA	46.92	NA	Pump	0	20	3342.00
	12/01/10	3388.92	58.90	NA	46.96	NA				3341.96
	12/08/10	3388.92	58.90	NA	46.96	NA				3341.96
	12/15/10	3388.92	58.90	NA	46.92	NA	Pump	0	20	3342.00
	12/15/10	3388.92	58.90	NA	46.93	NA				3341.99
	12/21/10	3388.92	58.90	NA	46.99	NA	Pump	0	20	3341.93
	12/21/10	3388.92	58.90	NA	47.01	NA				3341.91
MW-5	01/06/10	3389.40	59.12	NA	46.93	NA	NA	NA	NA	3342.47
	02/09/10	3389.40	59.12	NA	47.20	NA	NA	NA	NA	3342.20
	03/10/10	3389.40	59.12	NA	47.19	NA	NA	NA	NA	3342.21
	04/07/10	3389.40	59.12	NA	47.24	NA	NA	NA	NA	3342.16
	05/05/10	3389.40	59.12	NA	47.35	NA	NA	NA	NA	3342.05
	05/12/10	3389.40	59.12	NA	47.36	NA	NA	NA	NA	3342.04
	06/02/10	3389.40	59.12	NA	47.13	NA	NA	NA	NA	3342.27
	07/07/10	3389.40	59.12	NA	46.96	NA	NA	NA	NA	3342.44
	08/03/10	3389.40	59.12	NA	47.19	NA	NA	NA	NA	3342.21
	08/26/10	3389.40	59.12	NA	47.15	NA	NA	NA	NA	3342.25
	09/01/10	3389.40	59.12	NA	47.11	NA	NA	NA	NA	3342.29
	10/13/10	3389.40	59.12	NA	47.16	NA	NA	NA	NA	3342.24
	11/18/10	3389.40	59.12	NA	47.33	NA	NA	NA	NA	3342.07
	11/23/10	3389.40	59.12	NA	47.40	NA	NA	NA	NA	3342.00
	12/08/10	3389.40	59.12	NA	47.41	NA	NA	NA	NA	3341.99
MW-6	01/06/10	3389.72	57.45	NA	47.56	NA	NA	NA	NA	3342.16
	02/09/10	3389.72	57.45	NA	47.81	NA	NA	NA	NA	3341.91
	03/10/10	3389.72	57.45	NA	47.82	NA	NA	NA	NA	3341.90
	04/07/10	3389.72	57.45	NA	47.88	NA	NA	NA	NA	3341.84
	05/05/10	3389.72	57.45	NA	47.98	NA	NA	NA	NA	3341.74
	05/12/10	3389.72	57.45	NA	47.96	NA	NA	NA	NA	3341.76
	06/02/10	3389.72	57.45	NA	47.78	NA	NA	NA	NA	3341.94
	07/07/10	3389.72	57.45	NA	47.60	NA	NA	NA	NA	3342.12
	08/03/10	3389.72	57.45	NA	47.80	NA	NA	NA	NA	3341.92
	08/26/10	3389.72	57.45	NA	47.82	NA	NA	NA	NA	3341.90
	09/01/10	3389.72	57.45	NA	47.74	NA	NA	NA	NA	3341.98
	10/13/10	3389.72	57.45	NA	47.78	NA	NA	NA	NA	3341.94
	11/18/10	3389.72	57.45	NA	48.01	NA	NA	NA	NA	3341.71
	11/23/10	3389.72	57.45	NA	48.00	NA	NA	NA	NA	3341.72
	12/08/10	3389.72	57.45	NA	48.03	NA	NA	NA	NA	3341.69
MW-7	01/06/10	3389.28	55.45	NA	47.10	NA	NA	NA	NA	3342.18
	02/09/10	3389.28	55.45	NA	47.30	NA	NA	NA	NA	3341.98
	03/10/10	3389.28	55.45	NA	47.29	NA	NA	NA	NA	3341.99
	04/07/10	3389.28	55.45	NA	47.37	NA	NA	NA	NA	3341.91
	05/05/10	3389.28	55.45	NA	47.45	NA	NA	NA	NA	3341.83
	05/12/10	3389.28	55.45	NA	47.45	NA	NA	NA	NA	3341.83
	06/02/10	3389.28	55.45	NA	47.30	NA	NA	NA	NA	3341.98
	07/07/10	3389.28	55.45	NA	47.17	NA	NA	NA	NA	3342.11
	08/03/10	3389.28	55.45	NA	47.28	NA	NA	NA	NA	3342.00
	08/26/10	3389.28	55.45	NA	47.27	NA	NA	NA	NA	3342.01

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Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-7	09/01/10	3389.28	55.45	NA	47.24	NA	NA	NA	NA	3342.04
	10/13/10	3389.28	55.45	NA	47.28	NA	NA	NA	NA	3342.00
	11/18/10	3389.28	55.45	NA	47.47	NA	NA	NA	NA	3341.81
	11/23/10	3389.28	55.45	NA	47.51	NA	NA	NA	NA	3341.77
	12/08/10	3389.28	55.45	NA	47.55	NA	NA	NA	NA	3341.73

NA: Not Applicable
NG: Not Gauged
a - Possible error in field data entry.

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-1	12/21/05	3389.00	59.82	46.22	46.22	0.00	Installed Sock	NA	NA	3342.78
	12/29/05	3389.00	NG	46.16	46.16	0.00	New Sock	NA	NA	3342.84
	01/05/06	3389.00	NG	46.26	46.26	0.00	Sock	NA	NA	3342.74
	02/09/06	3389.00	NG	45.05	45.05	0.00	Sock	NA	NA	3343.95
	02/22/06	3389.00	NG	46.00	46.00	0.00	Sock	NA	NA	3343.00
	03/28/06	3389.00	NG	45.94	45.94	0.00	Flip Sock	NA	NA	3343.06
	04/13/06	3389.00	NG	45.98	45.98	0.00	Sock	NA	NA	3343.02
	04/25/06	3389.00	NG	45.93	45.93	0.00	Sock	NA	NA	3343.07
	05/03/06	3389.00	NG	45.88	45.88	0.00	Sock	NA	NA	3343.12
	05/11/06	3389.00	NG	45.90	45.90	0.00	Sock	NA	NA	3343.10
	05/24/06	3389.00	NG	45.91	45.91	0.00	Sock	NA	NA	3343.09
	06/07/06	3389.00	NG	45.97	45.97	0.00	Sock	NA	5	3343.03
	06/07/06	3389.00	NG	46.10	46.10	0.00	Sock	After purge	NA	3342.90
	06/15/06	3389.00	NG	45.92	45.92	0.00	Sock	NA	NA	3343.08
	06/29/06	3389.00	NG	46.05	46.05	0.00	Sock	Light	NA	3342.95
	07/11/06	3389.00	NG	46.06	46.06	0.00	Sock	Light	NA	3342.94
	07/25/06	3389.00	NG	46.11	46.11	0.00	Sock	Light	NA	3342.89
	08/09/06	3389.00	59.35	46.22	46.22	0.00	Sock	NA	NA	3342.78
	08/22/06	3389.00	NG	46.30	46.30	0.00	Bailed	0	10	3342.70
	08/22/06	3389.00	NG	46.58	46.58	0.00	New Sock	Light	NA	3342.42
	09/12/06	3389.00	59.55	46.27	46.57	0.30	New Sock	NA	NA	3342.69
	09/19/06	3389.00	NG	46.36	46.50	0.14	Bailed	0.1	9.9	3342.62
	09/19/06	3389.00	NG	46.73	46.73	0.00	New Sock	NA	NA	3342.27
	10/03/06	3389.00	NG	46.32	46.32	0.00	NA	NA	NA	3342.68
	10/03/06	3389.00	NG	46.48	46.48	0.00	Sock	0	10	3342.52
	10/17/06	3389.00	NG	46.34	46.34	0.00	Removed Sock	NA	NA	3342.66
	10/31/06	3389.00	NG	45.93	45.93	0.00	New Sock	NA	NA	3343.07
	11/15/06	3389.00	NG	45.73	45.98	0.25	Bailed	0.5	9.5	3343.23
	11/15/06	3389.00	NG	45.98	45.98	0.00	New Sock	NA	NA	3343.02
	12/06/06	3389.00	NG	44.55	44.80	0.25	New Sock	NA	NA	3344.41
	12/13/06	3389.00	NG	44.51	44.86	0.35	Bailed	0.5	4.5	3344.44
	12/13/06	3389.00	NG	45.22	45.22	0.00	NA	NA	NA	3343.78
	01/03/07	3389.00	NG	45.53	45.60	0.07	New Sock	0	5	3343.46
	01/09/07	3389.00	NG	45.64	45.64	0.00	Bailed	0.25	9.5	3343.36
	01/09/07	3389.00	NG	46.18	46.18	0.00	Sock	NA	NA	3342.82
	01/18/07	3389.00	NG	45.50	45.75	0.25	Bailed	0.25	8.5	3343.46
	01/18/07	3389.00	NG	45.72	45.72	0.00	Removed Sock	NA	NA	3343.28
	01/25/07	3389.00	NG	45.42	45.62	0.20	Bailed	0.25	9.5	3343.55
	01/25/07	3389.00	NG	45.63	45.65	0.02	NA	NA	NA	3343.37
	01/31/07	3389.00	NG	45.35	45.50	0.15	Bailed	Sheen	10	3343.63
	01/31/07	3389.00	NG	45.70	45.70	0.00	NA	NA	NA	3343.30
	02/07/07	3389.00	NG	45.40	45.54	0.14	Bailed	0.1	9.5	3343.58
	02/07/07	3389.00	NG	45.59	45.59	0.00	Installed Sock	NA	NA	3343.41
	02/14/07	3389.00	NG	45.61	45.61	0.00	Bailed	Sheen	10	3343.39
	02/14/07	3389.00	NG	45.61	45.61	0.00	Flip Sock	NA	NA	3343.39
	02/21/07	3389.00	NG	45.58	45.58	0.00	Bailed	Sheen	10	3343.42
	02/21/07	3389.00	NG	45.60	45.60	0.00	Sock	NA	NA	3343.40
	03/07/07	3389.00	NG	45.41	45.56	0.15	Bailed	0.25	10	3343.57
	03/07/07	3389.00	NG	45.53	45.55	0.02	New Sock	NA	NA	3343.47

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Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-1	03/14/07	3389.00	NG	45.40	45.40	0.00	Bailed	Sheen	10	3343.60
	03/14/07	3389.00	NG	45.58	45.58	0.00	New Sock	NA	NA	3343.42
	03/21/07	3389.00	NG	45.38	45.38	0.00	Bailed	Sheen	10	3343.62
	03/21/07	3389.00	NG	45.50	45.50	0.00	Sock	NA	NA	3343.50
	03/28/07	3389.00	NG	45.38	45.38	0.00	Bailed	Sheen	10	3343.62
	03/28/07	3389.00	NG	45.42	45.42	0.00	Sock	NA	NA	3343.58
	04/10/07	3389.00	NG	45.46	45.46	0.00	Bailed	Sheen	10	3343.54
	04/10/07	3389.00	NG	45.50	45.50	0.00	Sock	NA	NA	3343.50
	04/18/07	3389.00	NG	45.35	45.35	0.00	Bailed	Sheen	10	3343.65
	04/18/07	3389.00	NG	45.50	45.50	0.00	Sock	NA	NA	3343.50
	04/24/07	3389.00	NG	45.38	45.38	0.00	Bailed	Sheen	10	3343.62
	04/24/07	3389.00	NG	45.43	45.43	0.00	Sock	NA	NA	3343.57
	05/03/07	3389.00	NG	45.30	45.30	0.00	Bailed	Sheen	10	3343.70
	05/03/07	3389.00	NG	45.45	45.45	0.00	Flip Sock	NA	NA	3343.55
	05/11/07	3389.00	NG	45.40	45.40	0.00	Bailed	Sheen	10	3343.60
	05/11/07	3389.00	NG	45.75	45.75	0.00	Removed Sock	NA	NA	3343.25
	05/16/07	3389.00	NG	45.36	45.37	0.01	Bailed	Sheen	10	3343.64
	05/16/07	3389.00	NG	45.71	45.71	0.00	Installed Sock	NA	NA	3343.29
	05/23/07	3389.00	NG	45.32	45.32	0.00	Bailed	Sheen	10	3343.68
	05/23/07	3389.00	NG	45.51	45.51	0.00	Sock	NA	NA	3343.49
	05/31/07	3389.00	59.00	45.28	45.28	0.00	New Sock	NA	NA	3343.72
	06/06/07	3389.00	59.00	45.25	45.25	0.00	Bailed	Sheen	10	3343.75
	06/06/07	3389.00	59.00	45.50	45.50	0.00	Sock	NA	NA	3343.50
	07/05/07	3389.00	58.50	45.35	45.35	0.00	Bailed	Sheen	10	3343.65
	07/05/07	3389.00	58.50	45.65	45.65	0.00	New Sock	NA	NA	3343.35
	07/11/07	3389.00	58.50	45.37	45.37	0.00	Bailed	Sheen	10	3343.63
	07/11/07	3389.00	58.50	45.61	45.61	0.00	Sock	NA	NA	3343.39
	07/19/07	3389.00	58.50	45.40	45.40	0.00	Bailed	Sheen	10	3343.60
	07/19/07	3389.00	58.50	45.86	45.86	0.00	Sock	NA	NA	3343.14
	07/24/07	3389.00	58.50	45.47	45.47	0.00	Bailed	Sheen	10	3343.53
	07/24/07	3389.00	58.50	45.91	45.91	0.00	Sock	NA	NA	3343.09
	07/31/07	3389.00	58.51	45.50	45.50	0.00	Bailed	Sheen	10	3343.50
	07/31/07	3389.00	58.51	45.99	45.99	0.00	Sock	NA	NA	3343.01
	08/09/07	3389.00	58.51	45.42	45.42	0.00	Bailed	Sheen	10	3343.58
	08/09/07	3389.00	58.51	45.91	45.91	0.00	New Sock	NA	NA	3343.09
	08/16/07	3389.00	58.51	45.41	45.41	0.00	Bailed	Sheen	10	3343.59
	08/16/07	3389.00	58.51	45.86	45.86	0.00	Sock	NA	NA	3343.14
	08/22/07	3389.00	58.51	45.31	45.31	0.00	Bailed	Sheen	10	3343.69
	08/22/07	3389.00	58.51	45.75	45.75	0.00	Sock	NA	NA	3343.25
	08/28/07	3389.00	58.51	45.44	45.49	0.05	Bailed	Sheen	10	3343.55
	08/28/07	3389.00	58.51	45.75	45.75	0.00	Sock	NA	NA	3343.25
	09/07/07	3389.00	58.55	45.54	45.54	0.00	NA	NA	NA	3343.46
	09/13/07	3389.00	58.55	45.62	45.62	0.00	Bailed	Sheen	10	3343.38
	09/13/07	3389.00	58.55	45.98	45.98	0.00	Sock	NA	NA	3343.02
	09/18/07	3389.00	58.55	45.50	45.50	0.00	Bailed	Sheen	10	3343.50
	09/18/07	3389.00	58.55	45.72	45.72	0.00	Sock	NA	NA	3343.28
	09/26/07	3389.00	58.55	45.51	45.51	0.00	Bailed	Sheen	10	3343.49
	09/26/07	3389.00	58.55	45.76	45.76	0.00	Sock	NA	NA	3343.24
	10/04/07	3389.00	58.55	46.00	46.00	0.00	Bailed	Sheen	9	3343.00
	10/04/07	3389.00	58.55	46.33	46.33	0.00	Sock	NA	NA	3342.67
	10/10/07	3389.00	58.55	46.14	46.14	0.00	Bailed	Sheen	9	3342.86

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								PSH (gallons)	Water (gallons)	
MW-1	10/10/07	3389.00	58.55	46.44	46.44	0.00	Sock	NA	NA	3342.56
	10/17/07	3389.00	58.55	46.15	46.15	0.00	Bailed	Sheen	9	3342.85
	10/17/07	3389.00	58.55	46.32	46.32	0.00	Sock	NA	NA	3342.68
	10/24/07	3389.00	58.55	47.35	47.68	0.33	Bailed	Sheen	40	3341.60
	10/24/07	3389.00	58.55	46.65	46.80	0.15	New Sock	NA	NA	3342.33
	10/31/07	3389.00	58.55	45.52	45.98	0.46	Bailed	0.5	10	3343.41
	10/31/07	3389.00	58.55	46.23	46.23	0.00	New Sock	NA	NA	3342.77
	11/07/07	3389.00	58.55	45.63	46.02	0.39	Bailed	0.5	9	3343.31
	11/07/07	3389.00	58.55	46.10	46.14	0.04	Sock	NA	NA	3342.89
	11/13/07	3389.00	58.55	45.50	45.96	0.46	Sock	NA	NA	3343.43
	11/20/07	3389.00	58.55	45.50	45.96	0.46	Sock	NA	NA	3343.43
	11/20/07	3389.00	58.55	46.17	46.18	0.01	NA	NA	NA	3342.83
	11/27/07	3389.00	58.55	45.90	45.98	0.08	Bailed	0.1	9	3343.09
	11/27/07	3389.00	58.55	46.10	46.10	0.00	Sock	NA	NA	3342.90
	12/05/07	3389.00	58.55	45.50	45.60	0.10	Bailed	0.1	9	3343.49
	12/05/07	3389.00	58.55	46.15	46.15	0.00	New Sock	NA	NA	3342.85
	12/12/07	3389.00	58.55	45.58	45.58	0.00	Bailed	Sheen	9	3343.42
	12/12/07	3389.00	58.55	46.00	46.00	0.00	Sock	NA	NA	3343.00
	12/18/07	3389.00	58.55	45.50	45.63	0.13	Bailed	0.2	9	3343.48
	12/18/07	3389.00	58.55	46.22	46.22	0.00	New Sock	NA	NA	3342.78
	12/28/07	3389.00	58.55	45.62	45.62	0.00	Bailed	Sheen	9	3343.38
	12/28/07	3389.00	58.55	45.98	45.98	0.00	New Sock	NA	NA	3343.02
	01/09/08	3389.00	58.55	45.55	45.70	0.15	New Sock	NA	NA	3343.43
	01/17/08	3389.00	58.55	45.42	45.92	0.50	Bailed	0.5	19.5	3343.51
	01/17/08	3389.00	58.55	45.60	45.60	0.00	New Sock	NA	NA	3343.40
	01/23/08	3389.00	58.55	45.50	45.65	0.15	Bailed	0.25	9	3343.48
	01/23/08	3389.00	58.55	45.75	45.75	0.00	New Sock	NA	NA	3343.25
	01/30/08	3389.00	58.55	45.53	45.55	0.02	Bailed	Sheen	20	3343.47
	01/30/08	3389.00	58.55	46.46	46.46	0.00	Sock	NA	NA	3342.54
	02/06/08	3389.00	58.55	45.60	45.60	0.00	Bailed	Sheen	20	3343.40
	02/06/08	3389.00	58.55	46.25	46.25	0.00	Sock	NA	NA	3342.75
	02/13/08	3389.00	58.55	45.46	45.55	0.09	Bailed	Sheen	20	3343.53
	02/13/08	3389.00	58.55	46.21	46.21	0.00	New Sock	NA	NA	3342.79
	02/19/08	3389.00	58.55	45.50	45.53	0.03	Bailed	Sheen	20	3343.50
	02/19/08	3389.00	58.55	46.43	46.43	0.00	Flip Sock	NA	NA	3342.57
	02/27/08	3389.00	58.55	45.49	45.59	0.10	Bailed	Sheen	20	3343.50
	02/27/08	3389.00	58.55	46.15	46.15	0.00	New Sock	NA	NA	3342.85
	03/04/08	3389.00	58.55	45.50	45.50	0.00	Pump	Sheen	20	3343.50
	03/04/08	3389.00	58.55	46.70	46.70	0.00	New Sock	NA	NA	3342.30
	03/12/08	3389.00	58.55	45.45	45.48	0.03	Pump	Sheen	20	3343.55
	03/12/08	3389.00	58.55	46.70	46.70	0.00	New Sock	NA	NA	3342.30
	03/19/08	3389.00	58.55	45.49	45.50	0.01	Pump	Sheen	20	3343.51
	03/19/08	3389.00	58.55	46.67	46.67	0.00	New Sock	NA	NA	3342.33
	03/26/08	3389.00	58.55	45.49	45.50	0.01	Pump	Sheen	20	3343.51
	03/26/08	3389.00	58.55	46.42	46.42	0.00	Flip Sock	NA	NA	3342.58
	04/02/08	3389.00	58.55	45.45	45.46	0.01	Bailed	Sheen	20	3343.55
	04/02/08	3389.00	58.55	46.32	46.32	0.00	Sock	NA	NA	3342.68
	04/09/08	3389.00	58.55	45.48	45.48	0.00	Pump	Sheen	20	3343.52
	04/09/08	3389.00	58.55	45.50	45.50	0.00	Sock	NA	NA	3343.50
	04/16/08	3389.00	58.55	45.41	45.41	0.00	Pump	Sheen	20	3343.59
	04/16/08	3389.00	58.55	45.66	45.66	0.00	Sock	NA	NA	3343.34

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								PSH (gallons)	Water (gallons)	
MW-1	04/24/08	3389.00	58.55	45.34	45.34	0.00	Pump	Sheen	20	3343.66
	04/24/08	3389.00	58.55	46.00	46.00	0.00	New Sock	NA	NA	3343.00
	04/30/08	3389.00	58.55	45.38	45.38	0.00	Pump	Sheen	20	3343.62
	04/30/08	3389.00	58.55	45.96	45.96	0.00	Flip Sock	NA	NA	3343.04
	05/07/08	3389.00	58.55	45.43	45.43	0.00	Pump	Sheen	20	3343.57
	05/07/08	3389.00	58.55	45.86	45.86	0.00	Sock	NA	NA	3343.14
	05/14/08	3389.00	58.55	45.46	45.48	0.02	Pump	Sheen	20	3343.54
	05/14/08	3389.00	58.55	46.00	46.00	0.00	Sock	NA	NA	3343.00
	05/22/08	3389.00	58.55	45.42	45.42	0.00	Pump	Sheen	26	3343.58
	05/22/08	3389.00	58.55	47.10	47.10	0.00	New Sock	NA	NA	3341.90
	05/29/08	3389.00	58.55	45.41	45.41	0.00	Pump	Sheen	20	3343.59
	05/29/08	3389.00	58.55	45.96	45.96	0.00	Sock	NA	NA	3343.04
	06/04/08	3389.00	58.55	45.43	45.43	0.00	Pump	Sheen	20	3343.57
	06/04/08	3389.00	58.55	46.02	46.02	0.00	Sock	NA	NA	3342.98
	06/11/08	3389.00	58.55	45.48	45.48	0.00	Pump	Sheen	20	3343.52
	06/11/08	3389.00	58.55	45.99	45.99	0.00	Sock	NA	NA	3343.01
	06/18/08	3389.00	58.55	45.52	45.52	0.00	Pump	Sheen	20	3343.48
	06/18/08	3389.00	58.55	46.08	46.08	0.00	Sock	NA	NA	3342.92
	06/26/08	3389.00	58.55	46.12	46.12	0.00	Bailed	0.00	10	3342.88
	06/26/08	3389.00	58.55	47.12	47.12	0.00	Sock	NA	NA	3341.88
	07/07/08	3389.00	58.55	46.00	46.00	0.00	Pump	Sheen	20	3343.00
	07/07/08	3389.00	58.55	46.12	46.12	0.00	New Sock	NA	NA	3342.88
	07/16/08	3389.00	58.55	45.51	45.56	0.05	Pump	Sheen	20	3343.48
	07/16/08	3389.00	58.55	46.21	46.21	0.00	Sock	NA	NA	3342.79
	07/21/08	3389.00	58.55	45.36	45.60	0.24	Pump	Sheen	20	3343.60
	07/21/08	3389.00	58.55	46.18	46.18	0.00	Sock	NA	NA	3342.82
	07/29/08	3389.00	58.55	45.59	45.63	0.04	Pump	Sheen	20	3343.40
	07/29/08	3389.00	58.55	46.28	46.28	0.00	Sock	NA	NA	3342.72
	08/06/08	3389.00	58.55	45.50	45.66	0.16	New Sock	NA	NA	3343.48
	08/13/08	3389.00	58.55	45.53	45.60	0.07	Pump	Sheen	20	3343.46
	08/13/08	3389.00	58.55	46.36	46.36	0.00	Sock	NA	NA	3342.64
	08/20/08	3389.00	58.55	45.50	45.88	0.38	Sock	NA	NA	3343.44
	08/27/08	3389.00	58.55	45.58	45.99	0.41	Pump	NA	20	3343.36
	08/27/08	3389.00	58.55	46.32	46.32	0.00	Sock	NA	NA	3342.68
	09/02/08	3389.00	58.55	45.68	45.79	0.11	Pump	NA	20	3343.30
	09/02/08	3389.00	58.55	46.21	46.21	0.00	Sock	NA	NA	3342.79
	09/09/08	3389.00	58.55	45.73	45.85	0.12	Pump	NA	20	3343.25
	09/09/08	3389.00	58.55	46.42	46.42	0.00	Sock	NA	NA	3342.58
	09/17/08	3389.00	58.55	45.73	46.18	0.45	Pump	0.50	19.5	3343.20
	09/17/08	3389.00	58.55	46.45	46.45	0.00	Sock	NA	NA	3342.55
	09/24/08	3389.00	58.55	45.73	46.50	0.77	Pump	0.50	19.5	3343.15
	09/24/08	3389.00	58.55	46.50	46.50	0.00	Sock	NA	NA	3342.50
	10/01/08	3389.00	58.55	45.80	46.67	0.87	Pump	1.00	19	3343.07
	10/01/08	3389.00	58.55	46.50	46.50	0.00	Sock	NA	NA	3342.50
	10/08/08	3389.00	58.55	45.60	46.52	0.92	Pump	1.00	19	3343.26
	10/08/08	3389.00	58.55	46.85	46.85	0.00	Sock	NA	NA	3342.15
	11/05/08	3389.00	58.55	45.80	45.93	0.13	Pump	0.50	19.5	3343.18
	11/05/08	3389.00	58.55	46.21	46.21	0.00	Sock	NA	NA	3342.79
	11/12/08	3389.00	58.55	45.73	45.97	0.24	Pump	0.50	9.5	3343.23
	11/12/08	3389.00	58.55	45.76	45.81	0.05	Sock	NA	NA	3343.23
	11/19/08	3389.00	58.55	45.70	46.25	0.55	Sock	NA	NA	3343.22

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
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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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-1	11/26/08	3389.00	58.55	45.79	45.89	0.10	Pump	0.25	13.75	3343.20
	11/26/08	3389.00	58.55	45.79	45.84	0.05	Sock	NA	NA	3343.20
	12/03/08	3389.00	58.55	45.85	45.95	0.10	Pump	0.25	11.75	3343.14
	12/03/08	3389.00	58.55	45.87	45.87	0.00	Sock	NA	NA	3343.13
	12/10/08	3389.00	58.55	45.88	45.88	0.00	Sock	NA	NA	3343.12
	12/17/08	3389.00	58.55	45.84	45.84	0.00	Sock	NA	NA	3343.16
	12/17/08	3389.00	58.55	45.92	45.92	0.00	Sock	NA	10	3343.08
	12/21/08	3389.00	58.55	45.86	46.03	0.17	Sock	0.50	29.5	3343.11
	12/21/08	3389.00	58.55	45.65	45.65	0.00	Sock	NA	NA	3343.35
	12/31/08	3389.00	58.55	45.87	45.97	0.10	Sock	0.25	9.75	3343.12
	12/31/08	3389.00	58.55	45.89	45.89	0.00	Sock	NA	NA	3343.11
	01/07/09	3389.00	58.68	45.80	45.82	0.02	Sock	0.25	9.75	3343.20
	01/07/09	3389.00	58.68	45.78	45.79	0.01	Sock	NA	NA	3343.22
	01/15/09	3389.00	58.68	45.79	45.89	0.10	Hand Bailed	0.50	9.5	3343.20
	01/15/09	3389.00	58.68	45.83	45.84	0.01	NA	NA	NA	3343.17
	01/22/09	3389.00	58.68	45.67	46.03	0.36	Hand Bailed	1.00	13	3343.28
	01/22/09	3389.00	58.68	45.74	45.74	0.00	Install New Sock	NA	NA	3343.26
	01/28/09	3389.00	58.68	45.67	45.81	0.14	Pump	0.50	14.5	3343.31
	01/28/09	3389.00	58.68	45.70	45.70	0.00	NA	NA	NA	3343.30
	02/04/09	3389.00	58.77	45.69	45.74	0.05	Pump	0.25	19.75	3343.30
	02/04/09	3389.00	58.77	45.69	45.69	0.00	NA	NA	NA	3343.31
	02/11/09	3389.00	58.77	45.63	45.67	0.04	Pump	0.25	21.75	3343.36
	02/11/09	3389.00	58.77	46.58	46.58	0.00	NA	NA	NA	3342.42
	02/17/09	3389.00	58.77	45.59	45.59	0.00	NA	NA	NA	3343.41
	02/25/09	3389.00	58.77	45.57	45.60	0.03	Pump	0.10	19.75	3343.43
	02/25/09	3389.00	58.77	45.67	45.67	0.00	NA	NA	NA	3343.33
	03/04/09	3389.00	58.77	45.58	45.60	0.02	Pump	0.10	9.9	3343.42
	03/04/09	3389.00	58.77	45.61	45.61	0.00	NA	NA	NA	3343.39
	03/11/09	3389.00	58.77	45.67	45.67	0.00	Pump	0.00	10	3343.33
	03/11/09	3389.00	58.77	45.73	45.73	0.00	NA	NA	NA	3343.27
	03/18/09	3389.00	58.77	45.63	45.63	0.00	Pump	0.00	10	3343.37
	03/18/09	3389.00	58.77	45.89	45.89	0.00	NA	NA	NA	3343.11
	03/25/09	3389.00	58.77	45.69	45.73	0.04	Pump	0.25	14.75	3343.30
	03/25/09	3389.00	58.77	46.37	46.37	0.00	NA	NA	NA	3342.63
	04/01/09	3389.00	58.77	45.60	45.95	0.35	Pump	0.25	9.75	3343.35
	04/01/09	3389.00	58.77	45.67	45.67	0.00	NA	NA	NA	3343.33
	04/08/09	3389.00	58.77	45.65	45.75	0.10	Pump	0.10	16.9	3343.34
	04/08/09	3389.00	58.77	45.72	45.72	0.00	NA	NA	NA	3343.28
	04/15/09	3389.00	58.77	45.69	45.71	0.02	Pump	0.00	15	3343.31
	04/15/09	3389.00	58.77	45.88	45.88	0.00	NA	NA	NA	3343.12
	04/22/09	3389.00	58.77	45.72	45.72	0.00	Pump	0.00	15	3343.28
	04/22/09	3389.00	58.77	45.72	45.72	0.00	NA	NA	NA	3343.28
	04/29/09	3389.00	58.77	45.78	45.82	0.04	Pump	Sheen	15	3343.21
	04/29/09	3389.00	58.77	46.44	46.44	0.00	NA	NA	NA	3342.56
	05/06/09	3389.00	58.77	45.82	46.02	0.20	Pump	0.50	15	3343.15
	05/06/09	3389.00	58.77	46.39	46.39	0.00	NA	NA	NA	3342.61
	05/14/09	3389.00	58.77	45.84	45.92	0.08	Pump	Sheen	20	3343.15
	05/14/09	3389.00	58.77	46.48	46.48	0.00	NA	NA	NA	3342.52
	05/19/09	3389.00	58.77	45.88	45.90	0.02	Pump	Sheen	30	3343.12
	05/28/09	3389.00	58.77	45.79	45.79	0.00	Pump	0.00	15	3343.21
	05/28/09	3389.00	58.77	46.13	46.13	0.00	NA	NA	NA	3342.87

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
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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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-1	06/03/09	3389.00	58.77	45.88	45.93	0.05	Pump	Sheen	15	3343.11
	06/03/09	3389.00	58.77	45.92	45.92	0.00	NA	NA	NA	3343.08
	06/11/09	3389.00	58.77	45.93	45.93	0.00	Pump	0.00	10	3343.07
	06/11/09	3389.00	58.77	46.15	46.15	0.00	NA	NA	NA	3342.85
	06/17/09	3389.00	58.77	46.00	46.05	0.05	Pump	0.00	15	3342.99
	06/17/09	3389.00	58.77	46.62	46.62	0.00	NA	NA	NA	3342.38
	06/23/09	3389.00	58.77	45.96	45.96	0.00	Pump/new sock	0.00	20	3343.04
	06/23/09	3389.00	58.77	46.85	46.85	0.00	NA	NA	NA	3342.15
	07/01/09	3389.00	58.77	45.91	46.21	0.30	Pump	0.25	19.75	3343.05
	07/01/09	3389.00	58.77	46.80	46.80	0.00	NA	NA	NA	3342.20
	07/07/09	3389.00	58.77	45.91	45.93	0.02	Pump	0.25	14.75	3343.09
	07/07/09	3389.00	58.77	46.58	46.58	0.00	NA	NA	NA	3342.42
	07/15/09	3389.00	58.77	45.88	45.88	0.00	Pump	0.00	20	3343.12
	07/15/09	3389.00	58.77	46.71	46.71	0.00	NA	NA	NA	3342.29
	07/29/09	3389.00	58.77	45.88	45.92	0.04	Pump	0.25	19.75	3343.11
	07/29/09	3389.00	58.77	46.82	46.82	0.00	NA	NA	NA	3342.18
	08/05/09	3389.00	58.77	45.01	45.12	0.11	Pump	0.25	19.75	3343.97
	08/05/09	3389.00	58.77	46.93	46.93	0.00	New sock	NA	NA	3342.07
	08/12/09	3389.00	58.77	45.75	45.75	0.00	Pump	0.00	20	3343.25
	08/12/09	3389.00	58.77	46.90	46.90	0.00	Flip sock	NA	NA	3342.10
	08/19/09	3389.00	58.77	45.74	45.80	0.06	NA	Sheen	20	3343.25
	08/19/09	3389.00	58.77	45.87	45.87	0.00	NA	NA	NA	3343.13
	08/26/09	3389.00	58.77	45.65	45.65	0.00	NA	NA	NA	3343.35
	09/02/09	3389.00	58.77	45.81	45.95	0.14	New sock	0.25	19.75	3343.17
	09/02/09	3389.00	58.77	45.91	45.91	0.00	NA	NA	NA	3343.09
	09/09/09	3389.00	58.77	45.80	45.85	0.05	Flip sock	0.25	19.75	3343.19
	09/09/09	3389.00	58.77	45.98	45.98	0.00	NA	NA	NA	3343.02
	09/16/09	3389.00	58.77	45.88	45.88	0.00	Pump	0.00	20	3343.12
	09/16/09	3389.00	58.77	46.63	46.63	0.00	NA	NA	NA	3342.37
	09/23/09	3389.00	58.77	45.83	45.83	0.00	Flip sock/pump	0.00	20	3343.17
	09/23/09	3389.00	58.77	46.52	46.52	0.00	NA	NA	NA	3342.48
	09/30/09	3389.00	58.77	45.87	45.90	0.03	New sock/pump	0.00	10	3343.13
	09/30/09	3389.00	58.77	46.51	46.51	0.00	AM	NA	NA	3342.49
	09/30/09	3389.00	58.77	45.80	45.81	0.01	NA	0.00	10	3343.20
	09/30/09	3389.00	58.77	46.73	46.73	0.00	PM	NA	NA	3342.27
	10/07/09	3389.00	58.77	45.90	45.90	0.00	Flip sock/pump	0.00	10	3343.10
	10/07/09	3389.00	58.77	46.71	46.71	0.00	AM	NA	NA	3342.29
	10/07/09	3389.00	58.77	45.87	45.87	0.00	NA	0.00	10	3343.13
	10/07/09	3389.00	58.77	46.76	46.76	0.00	PM	NA	NA	3342.24
	10/14/09	3389.00	58.77	45.80	45.82	0.02	New sock/pump	Sheen	10	3343.20
	10/14/09	3389.00	58.77	46.23	46.23	0.00	AM	NA	NA	3342.77
	10/14/09	3389.00	58.77	45.75	45.76	0.01	NA	Sheen	10	3343.25
	10/14/09	3389.00	58.77	46.60	46.60	0.00	PM	NA	NA	3342.40
	10/21/09	3389.00	58.77	45.75	45.80	0.05	NA	0.25	9.75	3343.24
	10/21/09	3389.00	58.77	46.35	46.35	0.00	NA	NA	NA	3342.65
	10/29/09	3389.00	58.77	45.73	46.03	0.30	NA	0.25	45	3343.23
	10/29/09	3389.00	58.77	46.20	46.20	0.00	NA	NA	NA	3342.80
	11/04/09	3389.00	58.77	45.74	45.99	0.25	AM	0.25	20	3343.22
	11/04/09	3389.00	58.77	46.06	46.06	0.00	NA	NA	NA	3342.94
	11/04/09	3389.00	58.77	45.78	45.81	0.03	PM	Sheen	20	3343.22
	11/04/09	3389.00	58.77	46.10	46.10	0.00	NA	NA	NA	3342.90

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
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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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-1	11/11/09	3389.00	58.77	45.72	46.04	0.32	AM	0.25	19.75	3343.23
	11/11/09	3389.00	58.77	46.85	46.85	0.00	NA	NA	NA	3342.15
	11/11/09	3389.00	58.77	45.76	45.77	0.01	PM	Sheen	20	3343.24
	11/11/09	3389.00	58.77	46.34	46.34	0.00	NA	NA	NA	3342.66
	11/18/09	3389.00	58.77	45.68	45.99	0.31	PM	0.25	19.75	3343.27
	11/18/09	3389.00	58.77	46.38	46.38	0.00	NA	NA	NA	3342.62
	11/25/09	3389.00	58.77	45.70	46.05	0.35	NA	0.25	29.75	3343.25
	11/25/09	3389.00	58.77	46.33	46.33	0.00	NA	NA	NA	3342.67
	12/02/09	3389.00	58.77	45.68	46.03	0.35	NA	0.25	34.75	3343.27
	12/02/09	3389.00	58.77	46.52	46.52	0.00	NA	NA	NA	3342.48
	12/09/09	3389.00	58.77	45.70	46.05	0.35	NA	0.50	20	3343.25
	12/09/09	3389.00	58.77	46.49	46.49	0.00	NA	NA	NA	3342.51
	12/09/09	3389.00	58.77	45.77	45.79	0.02	NA	Sheen	30	3343.23
	12/09/09	3389.00	58.77	46.77	46.77	0.00	NA	NA	NA	3342.23
	12/16/09	3389.00	58.77	45.79	46.14	0.35	NA	Sheen	25	3343.16
	12/16/09	3389.00	58.77	46.52	46.52	0.00	NA	NA	NA	3342.48
	12/16/09	3389.00	58.77	45.80	45.81	0.01	NA	Sheen	25	3343.20
	12/16/09	3389.00	58.77	46.90	46.90	0.00	NA	NA	NA	3342.10
	12/23/09	3389.00	58.77	45.74	46.10	0.36	NA	0.25	24.75	3343.21
	12/23/09	3389.00	58.77	46.29	46.29	0.00	NA	NA	NA	3342.71
	12/23/09	3389.00	58.77	45.76	45.77	0.01	NA	Sheen	25	3343.24
	12/23/09	3389.00	58.77	46.62	46.62	0.00	NA	NA	NA	3342.38
	12/30/09	3389.00	58.77	45.76	46.21	0.45	NA	Sheen	30	3343.17
	12/30/09	3389.00	58.77	46.43	46.43	0.00	NA	NA	NA	3342.57
	12/30/09	3389.00	58.77	45.76	46.02	0.26	NA	Sheen	20	3343.20
	12/30/09	3389.00	58.77	46.68	46.68	0.00	NA	NA	NA	3342.32
	01/06/10	3389.00	58.77	45.80	46.20	0.40	NA	0.25	49.75	3343.14
	01/06/10	3389.00	58.77	46.84	46.84	0.00	NA	NA	NA	3342.16
	01/13/10	3389.00	58.77	45.91	46.21	0.30	NA	Sheen	50	3343.05
	01/13/10	3389.00	58.77	46.82	46.82	0.00	NA	NA	NA	3342.18
	01/20/10	3389.00	58.77	45.95	46.20	0.25	NA	0.25	49.75	3343.01
	01/20/10	3389.00	58.77	46.52	46.52	0.00	NA	NA	NA	3342.48
	01/27/10	3389.00	58.77	46.04	46.22	0.18	NA	Sheen	50	3342.93
	01/27/10	3389.00	58.77	46.84	46.84	0.00	NA	NA	NA	3342.16
	02/09/10	3389.00	58.77	46.18	46.25	0.07	NA	Sheen	50	3342.81
	02/09/10	3389.00	58.77	46.90	46.90	0.00	NA	NA	NA	3342.10
	02/17/10	3389.00	58.77	46.16	46.20	0.04	NA	Sheen	50	3342.83
	02/17/10	3389.00	58.77	47.29	47.29	0.00	NA	NA	NA	3341.71
	03/02/10	3389.00	58.77	46.08	46.09	0.01	NA	Sheen	50	3342.92
	03/02/10	3389.00	58.77	46.74	46.74	0.00	NA	NA	NA	3342.26
	03/10/10	3389.00	58.77	46.17	46.19	0.02	NA	Sheen	40	3342.83
	03/10/10	3389.00	58.77	46.57	46.57	0.00	NA	NA	NA	3342.43
	03/17/10	3389.00	58.77	46.11	46.17	0.06	NA	Sheen	40	3342.88
	03/17/10	3389.00	58.77	46.69	46.69	0.00	NA	NA	NA	3342.31
	03/24/10	3389.00	58.77	46.10	46.22	0.12	NA	Sheen	40	3342.88
	03/24/10	3389.00	58.77	46.72	46.72	0.00	NA	NA	NA	3342.28
	03/31/10	3389.00	58.77	46.11	46.22	0.11	NA	Sheen	40	3342.87
	03/31/10	3389.00	58.77	46.54	46.54	0.00	NA	NA	NA	3342.46
	04/07/10	3389.00	58.77	46.15	46.25	0.10	NA	Sheen	40	3342.84
	04/07/10	3389.00	58.77	47.15	47.15	0.00	NA	NA	NA	3341.85
	04/14/10	3389.00	58.77	46.15	46.32	0.17	NA	Sheen	40	3342.82

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
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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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-1	04/14/10	3389.00	58.77	47.20	47.20	0.00	NA	NA	NA	3341.80
	04/21/10	3389.00	58.77	46.12	46.26	0.14	NA	Sheen	40	3342.86
	04/21/10	3389.00	58.77	46.26	46.26	0.00	NA	NA	NA	3342.74
	04/28/10	3389.00	58.77	46.15	46.32	0.17	NA	Sheen	40	3342.82
	04/28/10	3389.00	58.77	46.51	46.51	0.00	NA	NA	NA	3342.49
	05/05/10	3389.00	58.77	46.20	46.37	0.17	NA	Sheen	10	3342.77
	05/05/10	3389.00	58.77	46.34	46.34	0.00	NA	NA	NA	3342.66
	05/12/10	3389.00	58.77	46.16	46.40	0.24	NA	NA	NA	3342.80
	05/19/10	3389.00	58.77	46.20	46.39	0.19	NA	Sheen	25	3342.77
	05/19/10	3389.00	58.77	46.85	46.85	0.00	NA	NA	NA	3342.15
	05/29/10	3389.00	58.77	46.05	46.30	0.25	NA	Sheen	30	3342.91
	05/29/10	3389.00	58.77	46.43	46.43	0.00	NA	NA	NA	3342.57
	06/02/10	3389.00	58.77	46.00	46.19	0.19	NA	Sheen	20	3342.97
	06/02/10	3389.00	58.77	46.53	46.53	0.00	NA	NA	NA	3342.47
	06/12/10	3389.00	58.77	45.91	46.31	0.40	NA	Sheen	30	3343.03
	06/12/10	3389.00	58.77	46.90	46.90	0.00	NA	NA	NA	3342.10
	06/15/10	3389.00	58.77	45.88	46.10	0.22	NA	0.25	39.75	3343.09
	06/15/10	3389.00	58.77	46.78	46.78	0.00	NA	NA	NA	3342.22
	06/25/10	3389.00	58.77	45.84	46.87	1.03	NA	1.00	29	3343.01
	06/25/10	3389.00	58.77	46.81	46.81	0.00	NA	NA	NA	3342.19
	06/30/10	3389.00	58.77	45.85	46.22	0.37	NA	NA	NA	3343.09
	07/07/10	3389.00	58.77	45.78	45.78	0.00	NA	<0.25	20	3343.22
	07/07/10	3389.00	58.77	46.37	46.37	0.00	NA	NA	NA	3342.63
	07/14/10	3389.00	58.77	45.77	46.14	0.37	NA	Sheen	15	3343.17
	07/14/10	3389.00	58.77	46.61	46.61	0.00	NA	NA	NA	3342.39
	07/20/10	3389.00	58.77	45.88	46.36	0.48	NA	<0.25	30	3343.05
	07/20/10	3389.00	58.77	47.08	47.08	0.00	NA	NA	NA	3341.92
	07/28/10	3389.00	58.77	45.97	46.44	0.47	NA	<0.25	20	3342.96
	07/28/10	3389.00	58.77	46.65	46.65	0.00	NA	NA	NA	3342.35
	08/03/10	3389.00	58.77	46.02	46.30	0.28	NA	<0.25	30	3342.94
	08/03/10	3389.00	58.77	46.53	46.53	0.00	NA	NA	NA	3342.47
	08/11/10	3389.00	58.77	46.09	46.30	0.21	NA	<0.25	3	3342.88
	08/17/10	3389.00	58.77	46.14	46.27	0.13	NA	<0.25	30	3342.84
	08/17/10	3389.00	58.77	47.34	47.34	0.00	NA	NA	NA	3341.66
	08/25/10	3389.00	58.77	46.06	46.25	0.19	NA	<0.25	30	3342.91
	08/25/10	3389.00	58.77	46.74	46.74	0.00	NA	NA	NA	3342.26
	09/01/10	3389.00	58.77	45.92	46.28	0.36	NA	Heavy sheen	30	3343.03
	09/01/10	3389.00	58.77	47.10	47.10	0.00	NA	NA	NA	3341.90
	09/08/10	3389.00	58.77	46.09	46.39	0.30	NA	Heavy sheen	30	3342.87
	09/08/10	3389.00	58.77	46.77	46.77	0.00	NA	NA	NA	3342.23
	09/15/10	3389.00	58.77	46.15	46.23	0.08	NA	Heavy sheen	20	3342.84
	09/15/10	3389.00	58.77	46.76	46.76	0.00	NA	NA	NA	3342.24
	09/21/10	3389.00	58.77	46.09	46.33	0.24	NA	Heavy sheen	20	3342.87
	09/21/10	3389.00	58.77	46.84	46.84	0.00	NA	NA	NA	3342.16
	10/01/10	3389.00	58.77	46.02	46.41	0.39	NA	Heavy sheen	20	3342.92
	10/01/10	3389.00	58.77	46.79	46.79	0.00	NA	NA	NA	3342.21
	10/06/10	3389.00	58.77	45.99	46.21	0.22	NA	Heavy sheen	20	3342.98
	10/06/10	3389.00	58.77	46.70	46.70	0.00	NA	NA	NA	3342.30
	10/13/10	3389.00	58.77	45.94	46.33	0.39	NA	Heavy sheen	20	3343.00
	10/13/10	3389.00	58.77	46.90	46.90	0.00	NA	NA	NA	3342.10
	10/22/10	3389.00	58.77	46.02	46.46	0.44	NA	Heavy sheen	20	3342.91

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-1	10/22/10	3389.00	58.77	47.04	47.04	0.00	NA	NA	NA	3341.96
	10/27/10	3389.00	58.77	46.06	46.18	0.12	NA	Heavy sheen	40	3342.92
	10/27/10	3389.00	58.77	46.27	46.27	0.00	NA	NA	NA	3342.73
	11/03/10	3389.00	58.77	46.14	46.32	0.18	NA	Heavy sheen	30	3342.83
	11/03/10	3389.00	58.77	46.76	46.76	0.00	NA	NA	NA	3342.24
	11/10/10	3389.00	58.77	46.08	46.28	0.20	NA	Heavy sheen	30	3342.89
	11/10/10	3389.00	58.77	46.84	46.84	0.00	NA	NA	NA	3342.16
	11/16/10	3389.00	58.77	46.18	46.35	0.17	NA	Heavy sheen	30	3342.79
	11/16/10	3389.00	58.77	46.40	46.40	0.00	NA	NA	NA	3342.60
	11/23/10	3389.00	58.77	46.15	46.37	0.22	NA	Heavy sheen	10	3342.82
	11/23/10	3389.00	58.77	46.76	46.76	0.00	NA	NA	NA	3342.24
	12/01/10	3389.00	58.77	46.17	46.40	0.23	NA	Heavy sheen	20	3342.80
	12/01/10	3389.00	58.77	46.65	46.65	0.00	NA	NA	NA	3342.35
	12/08/10	3389.00	58.77	46.16	46.42	0.26	NA	Heavy sheen	30	3342.80
	12/08/10	3389.00	58.77	47.14	47.14	0.00	NA	NA	NA	3341.86
	12/15/10	3389.00	58.77	46.14	46.34	0.20	NA	Heavy sheen	30	3342.83
	12/15/10	3389.00	58.77	47.39	47.39	0.00	NA	NA	NA	3341.61
	12/21/10	3389.00	58.77	46.20	46.34	0.14	NA	Heavy sheen	30	3342.78
	12/21/10	3389.00	58.77	46.92	46.92	0.00	NA	NA	NA	3342.08
MW-2	12/21/05	3388.28	59.34	NA	45.23	NA	NA	NA	NA	3343.05
	12/29/05	3388.28	NG	NA	45.15	NA	NA	NA	NA	3343.13
	01/05/06	3388.28	NG	NA	45.25	NA	NA	NA	NA	3343.03
	02/09/06	3388.28	NG	NA	45.02	NA	NA	NA	NA	3343.26
	02/22/06	3388.28	NG	NA	45.00	NA	NA	NA	NA	3343.28
	03/28/06	3388.28	59.33	NA	44.90	NA	NA	NA	NA	3343.38
	04/13/06	3388.28	NG	NA	44.95	NA	NA	NA	NA	3343.33
	04/25/06	3388.28	NG	NA	44.93	NA	NA	NA	NA	3343.35
	05/03/06	3388.28	NG	NA	44.88	NA	NA	NA	NA	3343.40
	05/11/06	3388.28	NG	NA	44.96	NA	NA	NA	NA	3343.32
	05/24/06	3388.28	NG	NA	44.92	NA	NA	NA	NA	3343.36
	06/07/06	3388.28	NG	NA	44.91	NA	NA	NA	NA	3343.37
	06/15/06	3388.28	NG	NA	44.92	NA	NA	NA	NA	3343.36
	06/29/06	3388.28	NG	NA	45.02	NA	NA	NA	NA	3343.26
	07/11/06	3388.28	NG	NA	45.05	NA	NA	NA	NA	3343.23
	07/25/06	3388.28	NG	NA	45.13	NA	NA	NA	NA	3343.15
	08/09/06	3388.28	59.33	NA	45.19	NA	NA	NA	NA	3343.09
	08/22/06	3388.28	NG	NA	45.27	NA	NA	NA	NA	3343.01
	09/12/06	3388.28	59.30	NA	45.30	NA	NA	NA	NA	3342.98
	09/19/06	3388.28	59.30	NA	45.33	NA	NA	NA	NA	3342.95
	10/03/06	3388.28	59.30	NA	45.32	NA	NA	NA	NA	3342.96
	10/17/06	3388.28	NG	NA	45.25	NA	NA	NA	NA	3343.03
	10/31/06	3388.28	NG	NA	45.61	NA	NA	NA	NA	3342.67
	11/15/06	3388.28	NG	NA	45.18	NA	NA	NA	NA	3343.10
	12/06/06	3388.28	59.33	NA	45.05	NA	NA	NA	NA	3343.23
	12/13/06	3388.28	NG	NA	45.36	NA	NA	NA	NA	3342.92
	01/03/07	3388.28	NG	NA	44.95	NA	NA	NA	NA	3343.33
	01/09/07	3388.28	NG	NA	45.00	NA	NA	NA	NA	3343.28
	01/18/07	3388.28	NG	NA	44.92	NA	NA	NA	NA	3343.36
	01/25/07	3388.28	NG	NA	44.91	NA	NA	NA	NA	3343.37
	01/31/07	3388.28	NG	NA	44.84	NA	NA	NA	NA	3343.44

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-2	02/07/07	3388.28	NG	NA	44.86	NA	NA	NA	NA	3343.42
	02/14/07	3388.28	NG	NA	44.88	NA	NA	NA	NA	3343.40
	03/01/07	3388.28	59.33	NA	44.82	NA	NA	NA	NA	3343.46
	05/03/07	3388.28	59.33	NA	44.70	NA	NA	NA	NA	3343.58
	05/31/07	3388.28	59.33	NA	44.70	NA	NA	NA	NA	3343.58
	06/06/07	3388.28	59.37	NA	44.67	NA	NA	NA	NA	3343.61
	07/05/07	3388.28	59.26	NA	44.77	NA	NA	NA	NA	3343.51
	07/31/07	3388.28	59.25	NA	44.51	NA	NA	NA	NA	3343.77
	09/07/07	3388.28	59.37	NA	44.88	NA	NA	NA	NA	3343.40
	10/04/07	3388.28	59.37	NA	44.95	NA	NA	NA	NA	3343.33
	11/13/07	3388.28	59.36	NA	44.95	NA	NA	NA	NA	3343.33
	12/05/07	3388.28	59.36	NA	44.94	NA	NA	NA	NA	3343.34
	01/09/08	3388.28	59.33	NA	44.96	NA	NA	NA	NA	3343.32
	02/06/08	3388.28	59.33	NA	44.96	NA	NA	NA	NA	3343.32
	02/27/08	3388.28	59.28	NA	44.92	NA	NA	NA	NA	3343.36
	04/02/08	3388.28	59.28	NA	44.81	NA	NA	NA	NA	3343.47
	05/22/08	3388.28	59.28	NA	44.84	NA	NA	NA	NA	3343.44
	06/26/08	3388.28	59.28	NA	44.97	NA	NA	NA	NA	3343.31
	07/07/08	3388.28	59.28	NA	44.94	NA	NA	NA	NA	3343.34
	08/20/08	3388.28	59.33	NA	45.00	NA	NA	NA	NA	3343.28
	10/15/08	3388.28	59.33	NA	45.42	NA	NA	NA	NA	3342.86
	11/19/08	3388.28	59.33	NA	45.28	NA	NA	NA	NA	3343.00
	12/21/08	3388.28	59.33	NA	45.38	NA	NA	NA	NA	3342.90
	01/07/09	3388.28	59.19	NA	45.25	NA	NA	NA	NA	3343.03
	02/04/09	3388.28	59.38	NA	45.19	NA	NA	NA	NA	3343.09
	02/17/09	3388.28	59.32	NA	45.02	NA	NA	NA	NA	3343.26
	03/04/09	3388.28	59.32	NA	45.07	NA	NA	NA	NA	3343.21
	04/08/09	3388.28	59.32	NA	45.13	NA	NA	NA	NA	3343.15
	05/06/09	3388.28	59.32	NA	45.31	NA	NA	NA	NA	3342.97
	05/19/09	3388.28	59.32	NA	45.33	NA	NA	NA	NA	3342.95
	06/03/09	3388.28	59.32	NA	45.34	NA	NA	NA	NA	3342.94
	07/15/09	3388.28	59.32	NA	45.35	NA	NA	NA	NA	3342.93
	08/05/09	3388.28	59.32	NA	45.27	NA	NA	NA	NA	3343.01
	08/26/09	3388.28	59.32	NA	45.36	NA	NA	NA	7	3342.92
	09/02/09	3388.28	59.32	NA	45.38	NA	NA	NA	NA	3342.90
	10/07/09	3388.28	59.32	NA	45.31	NA	NA	NA	NA	3342.97
	11/04/09	3388.28	59.32	NA	45.29	NA	NA	NA	NA	3342.99
	11/17/09	3388.28	59.32	NA	45.24	NA	NA	NA	NA	3343.04
	12/02/09	3388.28	59.32	NA	45.23	NA	NA	NA	NA	3343.05
	01/06/10	3388.38	59.32	NA	45.34	NA	NA	NA	NA	3343.04
	02/09/10	3388.38	59.32	NA	45.57	NA	NA	NA	NA	3342.81
	03/10/10	3388.38	59.32	NA	45.54	NA	NA	NA	NA	3342.84
	04/07/10	3388.38	59.32	NA	45.61	NA	NA	NA	NA	3342.77
	05/05/10	3388.38	59.32	NA	45.71	NA	NA	NA	NA	3342.67
	05/12/10	3388.38	59.32	NA	45.68	NA	NA	NA	NA	3342.70
	06/02/10	3388.38	59.32	NA	45.52	NA	NA	NA	NA	3342.86
	07/07/10	3388.38	59.32	NA	45.34	NA	NA	NA	NA	3343.04
	08/03/10	3388.38	59.32	NA	45.56	NA	NA	NA	NA	3342.82
	08/26/10	3388.38	59.32	NA	45.58	NA	NA	NA	NA	3342.80
	09/01/10	3388.38	59.32	NA	45.47	NA	NA	NA	NA	3342.91
	10/13/10	3388.38	59.32	NA	45.58	NA	NA	NA	NA	3342.80

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-2	11/18/10	3388.38	59.32	NA	45.79	NA	NA	NA	NA	3342.59
	11/23/10	3388.38	59.32	NA	45.81	NA	NA	NA	NA	3342.57
	12/08/10	3388.38	59.32	NA	45.83	NA	NA	NA	NA	3342.55
MW-3	12/21/05	3388.62	59.69	NA	45.57	NA	NA	NA	NA	3343.05
	12/29/05	3388.62	NG	NA	45.52	NA	NA	NA	NA	3343.10
	01/05/06	3388.62	NG	NA	45.60	NA	NA	NA	NA	3343.02
	02/09/06	3388.62	NG	NA	45.41	NA	NA	NA	NA	3343.21
	02/22/06	3388.62	NG	NA	45.33	NA	NA	NA	NA	3343.29
	03/28/06	3388.62	59.70	NA	45.23	NA	NA	NA	NA	3343.39
	04/13/06	3388.62	NG	NA	45.31	NA	NA	NA	NA	3343.31
	04/25/06	3388.62	NG	NA	45.30	NA	NA	NA	NA	3343.32
	05/03/06	3388.62	NG	NA	45.23	NA	NA	NA	NA	3343.39
	05/11/06	3388.62	NG	NA	45.36	NA	NA	NA	NA	3343.26
	05/24/06	3388.62	NG	NA	45.28	NA	NA	NA	NA	3343.34
	06/07/06	3388.62	NG	NA	45.28	NA	NA	NA	NA	3343.34
	06/15/06	3388.62	NG	NA	45.30	NA	NA	NA	NA	3343.32
	06/29/06	3388.62	NG	NA	45.39	NA	NA	NA	NA	3343.23
	07/11/06	3388.62	NG	NA	45.41	NA	NA	NA	NA	3343.21
	07/25/06	3388.62	NG	NA	45.50	NA	NA	NA	NA	3343.12
	08/09/06	3388.62	59.70	NA	45.57	NA	NA	NA	NA	3343.05
	08/22/06	3388.62	NG	NA	45.63	NA	NA	NA	NA	3342.99
	09/12/06	3388.62	59.68	NA	45.65	NA	NA	NA	NA	3342.97
	09/19/06	3388.62	NG	NA	45.69	NA	NA	NA	NA	3342.93
	10/03/06	3388.62	NG	NA	45.67	NA	NA	NA	NA	3342.95
	10/17/06	3388.62	NG	NA	45.62	NA	NA	NA	NA	3343.00
	10/31/06	3388.62	NG	NA	45.23	NA	NA	NA	NA	3343.39
	11/15/06	3388.62	NG	NA	45.57	NA	NA	NA	NA	3343.05
	12/06/06	3388.62	59.62	NA	45.45	NA	NA	NA	NA	3343.17
	12/13/06	3388.62	NG	NA	45.73	NA	NA	NA	NA	3342.89
	01/03/07	3388.62	NG	NA	45.32	NA	NA	NA	NA	3343.30
	01/09/07	3388.62	NG	NA	45.36	NA	NA	NA	NA	3343.26
	01/18/07	3388.62	NG	NA	45.29	NA	NA	NA	NA	3343.33
	01/25/07	3388.62	NG	NA	45.28	NA	NA	NA	NA	3343.34
	01/31/07	3388.62	NG	NA	45.20	NA	NA	NA	NA	3343.42
	02/07/07	3388.62	NG	NA	45.24	NA	NA	NA	NA	3343.38
	02/14/07	3388.62	NG	NA	45.27	NA	NA	NA	NA	3343.35
	03/01/07	3388.62	59.67	NA	45.20	NA	NA	NA	NA	3343.42
	05/03/07	3388.62	59.67	NA	45.08	NA	NA	NA	NA	3343.54
	05/31/07	3388.62	59.70	NA	45.10	NA	NA	NA	NA	3343.52
	06/06/07	3388.62	59.70	NA	45.08	NA	NA	NA	NA	3343.54
	07/05/07	3388.62	59.71	NA	45.19	NA	NA	NA	NA	3343.43
	07/31/07	3388.62	59.71	NA	45.21	NA	NA	NA	NA	3343.41
	09/06/07	3388.62	59.70	NA	45.42	NA	NA	NA	NA	3343.20
	10/04/07	3388.62	59.70	NA	45.37	NA	NA	NA	NA	3343.25
	11/13/07	3388.62	59.70	NA	45.38	NA	NA	NA	NA	3343.24
	12/05/07	3388.62	59.70	NA	45.34	NA	NA	NA	NA	3343.28
	01/09/08	3388.62	59.65	NA	45.34	NA	NA	NA	NA	3343.28
	02/06/08	3388.62	59.65	NA	45.35	NA	NA	NA	NA	3343.27
	02/27/08	3388.62	59.68	NA	45.30	NA	NA	NA	NA	3343.32
	04/02/08	3388.62	59.68	NA	45.28	NA	NA	NA	NA	3343.34

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-3	05/22/08	3388.62	59.68	NA	45.24	NA	NA	NA	NA	3343.38
	06/26/08	3388.62	59.68	NA	45.32	NA	NA	NA	NA	3343.30
	07/07/08	3388.62	59.68	NA	45.72	NA	NA	NA	NA	3342.90
	08/20/08	3388.62	59.70	NA	45.35	NA	NA	NA	NA	3343.27
	10/15/08	3388.62	59.72	NA	45.82	NA	NA	NA	NA	3342.80
	11/19/08	3388.62	59.72	NA	45.66	NA	NA	NA	NA	3342.96
	12/21/08	3388.62	59.72	NA	45.75	NA	NA	NA	NA	3342.87
	01/07/09	3388.62	59.71	NA	45.66	NA	NA	NA	NA	3342.96
	02/04/09	3388.62	59.75	NA	45.56	NA	NA	NA	NA	3343.06
	02/17/09	3388.62	59.30	NA	45.39	NA	NA	NA	NA	3343.23
	03/04/09	3388.62	59.30	NA	45.46	NA	NA	NA	NA	3343.16
	04/08/09	3388.62	59.30	NA	45.51	NA	NA	NA	NA	3343.11
	05/06/09	3388.62	59.30	NA	45.70	NA	NA	NA	NA	3342.92
	05/19/09	3388.62	59.30	NA	45.70	NA	NA	NA	7	3342.92
	06/03/09	3388.62	59.30	NA	45.70	NA	NA	NA	NA	3342.92
	07/15/09	3388.62	59.30	NA	45.75	NA	NA	NA	NA	3342.87
	08/05/09	3388.62	59.30	NA	45.62	NA	NA	NA	NA	3343.00
	08/26/09	3388.62	59.70	NA	45.75	NA	NA	NA	7	3342.87
	09/02/09	3388.62	59.70	NA	45.75	NA	NA	NA	NA	3342.87
	10/07/09	3388.62	59.70	NA	45.67	NA	NA	NA	NA	3342.95
	11/04/09	3388.62	59.70	NA	45.64	NA	NA	NA	NA	3342.98
	11/17/09	3388.62	59.70	NA	45.66	NA	NA	NA	NA	3342.96
	12/02/09	3388.62	59.70	NA	45.60	NA	NA	NA	NA	3343.02
	01/06/10	3388.52	59.70	NA	45.74	NA	NA	NA	NA	3342.78
	02/09/10	3388.52	59.70	NA	45.95	NA	NA	NA	NA	3342.57
	03/10/10	3388.52	59.70	NA	45.98	NA	NA	NA	NA	3342.54
	04/07/10	3388.52	59.70	NA	46.05	NA	NA	NA	NA	3342.47
	05/05/10	3388.52	59.70	NA	46.14	NA	NA	NA	NA	3342.38
	05/12/10	3388.52	59.70	NA	46.15	NA	NA	NA	NA	3342.37
	06/02/10	3388.52	59.70	NA	45.91	NA	NA	NA	NA	3342.61
	07/07/10	3388.52	59.70	NA	45.72	NA	NA	NA	NA	3342.80
	08/03/10	3388.52	59.70	NA	45.95	NA	NA	NA	NA	3342.57
	08/26/10	3388.52	59.70	NA	45.94	NA	NA	NA	NA	3342.58
	09/01/10	3388.52	59.70	NA	45.84	NA	NA	NA	NA	3342.68
	10/13/10	3388.52	59.70	NA	45.93	NA	NA	NA	NA	3342.59
	11/18/10	3388.52	59.70	NA	46.20	NA	NA	NA	NA	3342.32
	11/23/10	3388.52	59.70	NA	46.22	NA	NA	NA	NA	3342.30
	12/08/10	3388.52	59.70	NA	46.24	NA	NA	NA	NA	3342.28
MW-4	03/21/06	3388.92	59.80	NA	46.12	NA	NA	NA	NA	3342.80
	03/28/06	3388.92	59.06	NA	46.03	NA	NA	NA	NA	3342.89
	04/13/06	3388.92	NG	NA	46.08	NA	NA	NA	NA	3342.84
	04/25/06	3388.92	NG	NA	46.01	NA	NA	NA	NA	3342.91
	05/03/06	3388.92	59.05	NA	46.01	NA	NA	7	NA	3342.91
	05/03/06	3388.92	NG	NA	46.01	NA	NA	After Purge	NA	3342.91
	05/11/06	3388.92	NG	NA	46.07	NA	NA	NA	NA	3342.85
	05/24/06	3388.92	NG	NA	46.05	NA	NA	NA	NA	3342.87
	06/07/06	3388.92	NG	NA	46.03	NA	NA	NA	NA	3342.89
	06/15/06	3388.92	NG	NA	46.05	NA	NA	NA	NA	3342.87
	06/29/06	3388.92	NG	NA	46.15	NA	NA	NA	NA	3342.77
	07/11/06	3388.92	NG	NA	46.18	NA	NA	NA	NA	3342.74

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
	07/25/06	3388.92	NG	NA	46.24	NA	NA	NA	NA	3342.68
	08/09/06	3388.92	59.01	NA	46.33	NA	NA	NA	NA	3342.59
	08/22/06	3388.92	NG	NA	46.37	NA	NA	NA	NA	3342.55
	09/12/06	3388.92	59.01	NA	46.41	NA	NA	NA	NA	3342.51
	09/19/06	3388.92	59.01	NA	46.46	NA	NA	NA	NA	3342.46
	10/03/06	3388.92	59.01	NA	46.45	NA	NA	NA	NA	3342.47
	10/17/06	3388.92	NG	NA	46.38	NA	NA	NA	NA	3342.54
	10/31/06	3388.92	NG	NA	46.36	NA	NA	NA	NA	3342.56
	11/15/06	3388.92	NG	NA	46.78	NA	NA	NA	NA	3342.14
	12/06/06	3388.92	58.92	NA	46.25	NA	NA	NA	NA	3342.67
	12/13/06	3388.92	NG	NA	46.51	NA	NA	NA	NA	3342.41
	01/03/07	3388.92	NG	NA	46.06	NA	NA	NA	NA	3342.86
	01/09/07	3388.92	NG	NA	46.18	NA	NA	NA	NA	3342.74
	01/18/07	3388.92	NG	NA	46.10	NA	Bailed 11 Min	NA	10	3342.82
	01/18/07	3388.92	NG	NA	46.15	NA	Bailed 11 Min	NA	10	3342.77
	01/18/07	3388.92	NG	NA	46.10	NA	NA	NA	NA	3342.82
	01/25/07	3388.92	NG	NA	46.06	NA	NA	NA	NA	3342.86
	01/31/07	3388.92	NG	NA	45.98	NA	NA	NA	NA	3342.94
	02/07/07	3388.92	NG	NA	46.43	NA	NA	NA	NA	3342.49
	02/14/07	3388.92	NG	NA	46.46	NA	NA	NA	NA	3342.46
	03/01/07	3388.92	58.95	NA	45.98	NA	NA	NA	NA	3342.94
	05/03/07	3388.92	58.95	NA	45.90	NA	NA	NA	NA	3343.02
	05/31/07	3388.92	58.96	NA	45.92	NA	NA	NA	NA	3343.00
	06/06/07	3388.92	58.95	NA	45.88	NA	NA	NA	NA	3343.04
	07/05/07	3388.92	58.94	NA	45.98	NA	NA	NA	NA	3342.94
	07/31/07	3388.92	58.95	NA	46.00	NA	NA	NA	NA	3342.92
	09/07/07	3388.92	58.95	NA	46.10	NA	NA	NA	NA	3342.82
	09/13/07	3388.92	58.95	NA	46.27	NA	NA	100	100	3342.65
	09/13/07	3388.92	58.95	NA	46.88	NA	Pump	NA	NA	3342.04
	09/18/07	3388.92	58.95	NA	46.11	NA	Bailed	NA	50	3342.81
MW-4	09/18/07	3388.92	58.95	NA	46.60	NA	NA	NA	NA	3342.32
	09/26/07	3388.92	58.95	NA	46.16	NA	NA	NA	50	3342.76
	09/26/07	3388.92	58.95	NA	46.73	NA	Pump	NA	NA	3342.19
	10/04/07	3388.92	58.95	NA	46.15	NA	NA	NA	50	3342.77
	10/04/07	3388.92	58.93	NA	46.99	NA	Pump	NA	NA	3341.93
	10/10/07	3388.92	58.95	NA	46.21	NA	NA	NA	50	3342.71
	10/10/07	3388.92	58.93	NA	46.92	NA	Pump	NA	NA	3342.00
	10/17/07	3388.92	58.95	NA	46.20	NA	NA	NA	50	3342.72
	10/17/07	3388.92	58.93	NA	46.74	NA	Pump	NA	NA	3342.18
	10/24/07	3388.92	58.95	NA	45.25	NA	NA	NA	50	3343.67
	10/24/07	3388.92	58.93	NA	45.30	NA	Pump	NA	NA	3343.62
	11/07/07	3388.92	58.95	NA	46.27	NA	NA	NA	50	3342.65
	11/07/07	3388.92	58.93	NA	46.30	NA	Pump	NA	NA	3342.62
	11/13/07	3388.92	58.93	NA	46.20	NA	NA	NA	NA	3342.72
	12/05/07	3388.92	58.93	NA	46.15	NA	NA	NA	NA	3342.77
	01/09/08	3388.92	58.90	NA	46.12	NA	NA	NA	NA	3342.80
	02/06/08	3388.92	58.90	NA	46.16	NA	NA	NA	20	3342.76
	02/06/08	3388.92	58.90	NA	46.16	NA	Pump	NA	NA	3342.76
	02/13/08	3388.92	58.90	NA	46.11	NA	NA	NA	20	3342.81
	02/13/08	3388.92	58.90	NA	46.11	NA	Pump	NA	NA	3342.81
	02/19/08	3388.92	58.90	NA	46.11	NA	NA	NA	20	3342.81

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-4	02/19/08	3388.92	58.90	NA	46.13	NA	Pump	NA	NA	3342.79
	02/27/08	3388.92	59.92	NA	46.11	NA	NA	NA	20	3342.81
	02/27/08	3388.92	58.90	NA	46.14	NA	Pump	NA	NA	3342.78
	03/04/08	3388.92	59.92	NA	46.10	NA	NA	NA	20	3342.82
	03/04/08	3388.92	58.90	NA	46.13	NA	Pump	NA	NA	3342.79
	03/12/08	3388.92	59.92	NA	46.08	NA	NA	NA	20	3342.84
	03/12/08	3388.92	58.90	NA	46.10	NA	Pump	NA	NA	3342.82
	03/19/08	3388.92	59.92	NA	46.11	NA	NA	NA	20	3342.81
	03/19/08	3388.92	58.90	NA	46.12	NA	Pump	NA	NA	3342.80
	03/26/08	3388.92	59.92	NA	46.05	NA	NA	NA	20	3342.87
	03/26/08	3388.92	58.90	NA	46.07	NA	Pump	NA	NA	3342.85
	04/02/08	3388.92	59.92	NA	46.07	NA	NA	NA	20	3342.85
	04/02/08	3388.92	58.90	NA	46.03	NA	Pump	NA	NA	3342.89
	04/09/08	3388.92	59.92	NA	45.99	NA	NA	NA	20	3342.93
	04/09/08	3388.92	58.90	NA	45.96	NA	Pump	NA	NA	3342.96
	04/16/08	3388.92	59.92	NA	45.98	NA	NA	NA	20	3342.94
	04/16/08	3388.92	58.90	NA	45.96	NA	Pump	NA	NA	3342.96
	04/24/08	3388.92	58.90	NA	45.96	NA	NA	NA	NA	3342.96
	04/30/08	3388.92	58.90	NA	45.93	NA	NA	NA	20	3342.99
	04/30/08	3388.92	58.90	NA	45.95	NA	Pump	NA	NA	3342.97
	05/07/08	3388.92	58.90	NA	45.94	NA	NA	NA	20	3342.98
	05/07/08	3388.92	58.90	NA	45.94	NA	Pump	NA	NA	3342.98
	05/14/08	3388.92	58.90	NA	45.95	NA	NA	NA	20	3342.97
	05/14/08	3388.92	58.90	NA	45.96	NA	Pump	NA	NA	3342.96
	05/22/08	3388.92	58.90	NA	45.99	NA	NA	NA	20	3342.93
	05/22/08	3388.92	58.90	NA	45.99	NA	Pump	NA	NA	3342.93
	05/29/08	3388.92	58.90	NA	46.00	NA	NA	NA	20	3342.92
	05/29/08	3388.92	58.90	NA	46.01	NA	Pump	NA	NA	3342.91
	06/04/08	3388.92	58.90	NA	46.03	NA	NA	NA	20	3342.89
	06/04/08	3388.92	58.90	NA	46.02	NA	Pump	NA	NA	3342.90
	06/11/08	3388.92	58.90	NA	46.07	NA	NA	NA	20	3342.85
	06/11/08	3388.92	58.90	NA	46.09	NA	Pump	NA	NA	3342.83
	06/18/08	3388.92	58.90	NA	46.08	NA	NA	NA	20	3342.84
	06/18/08	3388.92	58.90	NA	46.10	NA	Pump	NA	NA	3342.82
	06/26/08	3388.92	58.90	NA	46.10	NA	NA	NA	20	3342.82
	06/26/08	3388.92	58.90	NA	46.13	NA	Pump	NA	NA	3342.79
	07/07/08	3388.92	58.90	NA	46.14	NA	NA	NA	20	3342.78
	07/07/08	3388.92	58.90	NA	46.15	NA	Pump	NA	NA	3342.77
	07/16/08	3388.92	58.90	NA	46.15	NA	NA	NA	20	3342.77
	07/16/08	3388.92	58.90	NA	46.17	NA	Pump	NA	NA	3342.75
	07/21/08	3388.92	58.90	NA	46.15	NA	NA	NA	20	3342.77
	07/21/08	3388.92	58.90	NA	46.16	NA	Pump	NA	NA	3342.76
	07/29/08	3388.92	58.90	NA	46.16	NA	NA	NA	20	3342.76
	07/29/08	3388.92	58.90	NA	46.16	NA	Pump	NA	NA	3342.76
	08/06/08	3388.92	58.90	NA	46.17	NA	NA	NA	NA	3342.75
	08/13/08	3388.92	58.90	NA	46.16	NA	Pump	NA	20	3342.76
	08/13/08	3388.92	58.90	NA	46.17	NA	NA	NA	NA	3342.75
	08/20/08	3388.92	58.93	NA	46.20	NA	NA	NA	NA	3342.72
	08/27/08	3388.92	58.93	NA	47.22	NA	Pump	NA	20	3341.70
	08/27/08	3388.92	58.93	NA	47.24	NA	NA	NA	NA	3341.68
	09/02/08	3388.92	58.93	NA	47.24	NA	Pump	NA	20	3341.68

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-4	09/02/08	3388.92	58.93	NA	47.24	NA	NA	NA	NA	3341.68
	09/09/08	3388.92	58.93	NA	47.24	NA	Pump	NA	40	3341.68
	09/09/08	3388.92	58.93	NA	47.26	NA	NA	NA	NA	3341.66
	09/17/08	3388.92	58.93	NA	47.26	NA	Pump	NA	20	3341.66
	09/17/08	3388.92	58.93	NA	47.27	NA	NA	NA	NA	3341.65
	09/24/08	3388.92	58.93	NA	46.49	NA	Pump	NA	20	3342.43
	09/24/08	3388.92	58.93	NA	46.51	NA	NA	NA	NA	3342.41
	10/01/08	3388.92	58.93	NA	46.48	NA	Pump	NA	20	3342.44
	10/01/08	3388.92	58.93	NA	46.50	NA	NA	NA	NA	3342.42
	10/08/08	3388.92	58.93	NA	46.58	NA	Pump	NA	20	3342.34
	10/08/08	3388.92	58.93	NA	46.58	NA	NA	NA	NA	3342.34
	11/05/08	3388.92	58.93	NA	46.46	NA	Pump	NA	10	3342.46
	11/05/08	3388.92	58.93	NA	47.57	NA	NA	NA	NA	3341.35
	11/12/08	3388.92	58.93	NA	46.44	NA	NA	NA	NA	3342.48
	11/19/08	3388.92	58.93	NA	46.46	NA	NA	NA	NA	3342.46
	11/26/08	3388.92	58.93	NA	46.47	NA	Pump	NA	20	3342.45
	11/26/08	3388.92	58.93	NA	46.49	NA	NA	NA	NA	3342.43
	12/03/08	3388.92	58.93	NA	46.52	NA	Pump	NA	20	3342.40
	12/03/08	3388.92	58.93	NA	46.58	NA	NA	NA	NA	3342.34
	12/10/08	3388.92	58.93	NA	46.55	NA	Pump	NA	20	3342.37
	12/10/08	3388.92	58.93	NA	46.55	NA	NA	NA	NA	3342.37
	12/17/08	3388.92	58.93	NA	46.51	NA	Pump	NA	15	3342.41
	12/17/08	3388.92	58.93	NA	46.54	NA	NA	NA	NA	3342.38
	12/21/08	3388.92	58.93	NA	46.57	NA	Pump	NA	20	3342.35
	12/21/08	3388.92	58.93	NA	46.58	NA	NA	NA	NA	3342.34
	12/31/08	3388.92	58.93	NA	46.57	NA	Pump	NA	20	3342.35
	12/31/08	3388.92	58.93	NA	46.57	NA	NA	NA	NA	3342.35
	01/07/09	3388.92	58.93	NA	46.49	NA	Pump	NA	20	3342.43
	01/07/09	3388.92	58.93	NA	46.51	NA	NA	NA	NA	3342.41
	01/15/09	3388.92	58.93	NA	46.49	NA	Pump	NA	15	3342.43
	01/15/09	3388.92	58.93	NA	46.51	NA	NA	NA	NA	3342.41
	01/22/09	3388.92	58.93	NA	46.43	NA	Pump	0	12	3342.49
	01/22/09	3388.92	58.93	NA	46.45	NA	NA	NA	NA	3342.47
	01/28/09	3388.92	58.93	NA	46.41	NA	Pump	0	15	3342.51
	01/28/09	3388.92	58.93	NA	46.43	NA	NA	NA	NA	3342.49
	02/04/09	3388.92	58.99	NA	46.39	NA	Pump	0	10	3342.53
	02/04/09	3388.92	58.99	NA	46.41	NA	NA	NA	NA	3342.51
	02/11/09	3388.92	58.99	NA	46.35	NA	Pump	0	20	3342.57
	02/11/09	3388.92	58.99	NA	46.36	NA	NA	NA	NA	3342.56
	02/17/09	3388.92	58.92	NA	46.23	NA	Sample	NA	NA	3342.69
	02/25/09	3388.92	58.92	NA	46.29	NA	Pump	0	20	3342.63
	02/25/09	3388.92	58.92	NA	46.31	NA	NA	NA	NA	3342.61
	03/04/09	3388.92	58.92	NA	46.30	NA	Pump	0	20	3342.62
	03/04/09	3388.92	58.92	NA	46.35	NA	NA	NA	NA	3342.57
	03/11/09	3388.92	58.92	NA	46.38	NA	Pump	0	20	3342.54
	03/11/09	3388.92	58.92	NA	46.41	NA	NA	NA	NA	3342.51
	03/18/09	3388.92	58.92	NA	46.33	NA	Pump	0	20	3342.59
	03/18/09	3388.92	58.92	NA	46.45	NA	NA	NA	NA	3342.47
	03/25/09	3388.92	58.92	NA	46.37	NA	Pump	0	20	3342.55
	03/25/09	3388.92	58.92	NA	46.42	NA	NA	NA	NA	3342.50
	04/01/09	3388.92	58.92	NA	46.33	NA	Pump	0	20	3342.59

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-4	04/01/09	3388.92	58.92	NA	46.35	NA	NA	NA	NA	3342.57
	04/15/09	3388.92	58.92	NA	46.38	NA	Pump	0	20	3342.54
	04/15/09	3388.92	58.92	NA	46.35	NA	NA	NA	NA	3342.57
	04/22/09	3388.92	58.92	NA	46.34	NA	Pump	0	20	3342.58
	04/22/09	3388.92	58.92	NA	46.34	NA	NA	NA	NA	3342.58
	04/29/09	3388.92	58.92	NA	46.44	NA	Pump	0	20	3342.48
	04/29/09	3388.92	58.92	NA	46.47	NA	NA	NA	NA	3342.45
	05/06/09	3388.92	58.92	NA	46.48	NA	Pump	0	20	3342.44
	05/06/09	3388.92	58.92	NA	46.59	NA	NA	NA	NA	3342.33
	05/14/09	3388.92	58.92	NA	46.50	NA	Pump	0	20	3342.42
	05/14/09	3388.92	58.92	NA	46.51	NA	NA	NA	NA	3342.41
	05/19/09	3388.92	58.92	NA	46.50	NA	NA	NA	6	3342.42
	05/28/09	3388.92	58.92	NA	46.48	NA	Pump	0	20	3342.44
	05/28/09	3388.92	58.92	NA	46.52	NA	NA	NA	NA	3342.40
	06/03/09	3388.92	58.92	NA	46.50	NA	Pump	0	20	3342.42
	06/03/09	3388.92	58.92	NA	46.52	NA	NA	NA	NA	3342.40
	06/11/09	3388.92	58.92	NA	46.47	NA	Pump	0	20	3342.45
	06/11/09	3388.92	58.92	NA	46.50	NA	NA	NA	NA	3342.42
	06/17/09	3388.92	58.92	NA	46.62	NA	Pump	0	20	3342.30
	06/17/09	3388.92	58.92	NA	46.65	NA	NA	NA	NA	3342.27
	06/23/09	3388.92	58.92	NA	46.62	NA	Pump	0	20	3342.30
	06/23/09	3388.92	58.92	NA	46.70	NA	NA	NA	NA	3342.22
	07/01/09	3388.92	58.92	NA	46.58	NA	Pump	0	20	3342.34
	07/01/09	3388.92	58.92	NA	46.58	NA	NA	NA	NA	3342.34
	07/07/09	3388.28	59.32	NA	46.54	NA	NA	NA	20	3341.74
	07/07/09	3388.28	59.32	NA	46.56	NA	NA	NA	NA	3341.72
	07/15/09	3388.92	58.92	NA	46.55	NA	Pump	0	20	3342.37
	07/15/09	3388.92	58.92	NA	46.55	NA	NA	NA	NA	3342.37
	07/29/09	3388.92	58.92	NA	46.49	NA	Pump	0	20	3342.43
	07/29/09	3388.92	58.92	NA	46.47	NA	NA	NA	NA	3342.45
	08/05/09	3388.92	58.92	NA	46.42	NA	Pump	0	20	3342.50
	08/05/09	3388.92	58.92	NA	46.92	NA	NA	NA	NA	3342.00
	08/12/09	3388.92	58.92	NA	46.48	NA	Pump	0	20	3342.44
	08/12/09	3388.92	58.92	NA	46.68	NA	NA	NA	NA	3342.24
	08/19/09	3388.92	58.92	NA	46.46	NA	Pump	0	20	3342.46
	08/19/09	3388.92	58.92	NA	46.50	NA	NA	NA	NA	3342.42
	08/26/09	3388.92	58.90	NA	46.53	NA	NA	NA	6	3342.39
	09/02/09	3388.92	58.90	NA	46.55	NA	Pump	0	20	3342.37
	09/02/09	3388.92	58.90	NA	46.60	NA	NA	NA	NA	3342.32
	09/09/09	3388.92	58.90	NA	46.50	NA	Pump	0	20	3342.42
	09/09/09	3388.92	58.90	NA	46.51	NA	NA	NA	NA	3342.41
	09/16/09	3388.92	58.90	NA	46.51	NA	Pump	0	20	3342.41
	09/16/09	3388.92	58.90	NA	46.53	NA	NA	NA	NA	3342.39
	09/23/09	3388.92	58.90	NA	46.48	NA	Pump	0	20	3342.44
	09/23/09	3388.92	58.90	NA	46.50	NA	NA	NA	NA	3342.42
	09/30/09	3388.92	58.90	NA	46.47	NA	Pump	0	20	3342.45
	09/30/09	3388.92	58.90	NA	46.48	NA	NA	NA	NA	3342.44
	10/07/09	3388.92	58.90	NA	46.47	NA	Pump	0	20	3342.45
	10/07/09	3388.92	58.90	NA	46.48	NA	NA	NA	NA	3342.44
	10/12/09	3388.92	58.90	NA	46.43	NA	Pump	0	20	3342.49
	10/12/09	3388.92	58.90	NA	46.49	NA	NA	NA	NA	3342.43

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-4	10/29/09	3388.92	58.90	NA	46.41	NA	Pump	0	20	3342.51
	10/29/09	3388.92	58.90	NA	46.42	NA	NA	NA	NA	3342.50
	11/04/09	3388.92	58.90	NA	46.44	NA	Pump	0	20	3342.48
	11/04/09	3388.92	58.90	NA	46.45	NA	NA	NA	NA	3342.47
	11/17/09	3388.92	58.90	NA	46.43	NA	Pump	0	20	3342.49
	11/25/09	3388.92	58.90	NA	46.43	NA	Pump	0	20	3342.49
	11/25/09	3388.92	58.90	NA	46.43	NA	NA	NA	NA	3342.49
	12/02/09	3388.92	58.90	NA	46.39	NA	Pump	0	20	3342.53
	12/02/09	3388.92	58.90	NA	46.40	NA	NA	NA	NA	3342.52
	12/09/09	3388.92	58.90	NA	46.42	NA	Pump	0	20	3342.50
	12/09/09	3388.92	58.90	NA	46.41	NA	NA	NA	NA	3342.51
	12/16/09	3388.92	58.90	NA	46.46	NA	Pump	0	20	3342.46
	12/16/09	3388.92	58.90	NA	46.40	NA	NA	NA	NA	3342.52
	12/23/09	3388.92	58.90	NA	46.39	NA	Pump	0	20	3342.53
	12/23/09	3388.92	58.90	NA	46.42	NA	NA	NA	NA	3342.50
	12/30/09	3388.92	58.90	NA	46.39	NA	Pump	0	20	3342.53
	12/30/09	3388.92	58.90	NA	46.42	NA	NA	NA	NA	3342.50
	01/06/10	3388.92	58.90	NA	46.49	NA	Pump	0	20	3342.43
	01/06/10	3388.92	58.90	NA	46.51	NA	NA	NA	NA	3342.41
	01/13/10	3388.92	58.90	NA	46.57	NA	Pump	0	20	3342.35
	01/13/10	3388.92	58.90	NA	46.60	NA	NA	NA	NA	3342.32
	01/20/10	3388.92	58.90	NA	46.60	NA	Pump	0	20	3342.32
	01/20/10	3388.92	58.90	NA	46.61	NA	NA	NA	NA	3342.31
	01/27/10	3388.92	58.90	NA	46.66	NA	Pump	0	20	3342.26
	01/27/10	3388.92	58.90	NA	46.67	NA	NA	NA	NA	3342.25
	02/09/10	3388.92	58.90	NA	46.72	NA	Pump	0	20	3342.20
	02/09/10	3388.92	58.90	NA	46.75	NA	NA	NA	NA	3342.17
	02/17/10	3388.92	58.90	NA	46.67	NA	Pump	0	20	3342.25
	02/17/10	3388.92	58.90	NA	46.68	NA	NA	NA	NA	3342.24
	03/02/10	3388.92	58.90	NA	46.76	NA	Pump	0	20	3342.16
	03/02/10	3388.92	58.90	NA	46.78	NA	NA	NA	NA	3342.14
	03/10/10	3388.92	58.90	NA	46.71	NA	Pump	0	20	3342.21
	03/10/10	3388.92	58.90	NA	46.74	NA	NA	NA	NA	3342.18
	03/17/10	3388.92	58.90	NA	46.80	NA	Pump	0	20	3342.12
	03/17/10	3388.92	58.90	NA	46.81	NA	NA	NA	NA	3342.11
	03/24/10	3388.92	58.90	NA	46.80	NA	Pump	0	20	3342.12
	03/24/10	3388.92	58.90	NA	46.85	NA	NA	NA	NA	3342.07
	03/31/10	3388.92	58.90	NA	46.74	NA	Pump	0	20	3342.18
	03/31/10	3388.92	58.90	NA	46.75	NA	NA	NA	NA	3342.17
	04/07/10	3388.92	58.90	NA	46.78	NA	Pump	0	20	3342.14
	04/07/10	3388.92	58.90	NA	46.80	NA	NA	NA	NA	3342.12
	04/14/10	3388.92	58.90	NA	46.82	NA	Pump	0	20	3342.10
	04/14/10	3388.92	58.90	NA	46.83	NA	NA	NA	NA	3342.09
	04/21/10	3388.92	58.90	NA	46.78	NA	Pump	0	20	3342.14
	04/21/10	3388.92	58.90	NA	46.80	NA	NA	NA	NA	3342.12
	04/28/10	3388.92	58.90	NA	46.80	NA	Pump	0	20	3342.12
	04/28/10	3388.92	58.90	NA	46.81	NA	NA	NA	NA	3342.11
	05/05/10	3388.92	58.90	NA	46.87	NA	Pump	0	20	3342.05
	05/05/10	3388.92	58.90	NA	46.90	NA	NA	NA	NA	3342.02
	05/12/10	3388.92	58.90	NA	46.86	NA	NA	NA	NA	3342.06
	05/19/10	3388.92	58.90	NA	46.84	NA	Pump	0	20	3342.08

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-4	05/19/10	3388.92	58.90	NA	46.85	NA	NA	NA	NA	3342.07
	05/29/10	3388.92	58.90	NA	46.70	NA	Pump	0	20	3342.22
	05/29/10	3388.92	58.90	NA	46.73	NA	NA	NA	NA	3342.19
	06/02/10	3388.92	58.90	NA	46.69	NA	NA	NA	NA	3342.23
	06/12/10	3388.92	58.90	NA	46.63	NA	Pumo	0	20	3342.29
	06/12/10	3388.92	58.90	NA	46.63	NA	NA	NA	NA	3342.29
	06/15/10	3388.92	58.90	NA	46.52	NA	Pump	0	20	3342.40
	06/15/10	3388.92	58.90	NA	46.54	NA	NA	NA	NA	3342.38
	06/25/10	3388.92	58.90	NA	46.58	NA	Pump	0	20	3342.34
	06/25/10	3388.92	58.90	NA	46.59	NA	NA	NA	NA	3342.33
	06/30/10	3388.92	58.90	NA	46.55	NA	NA	NA	NA	3342.37
	07/07/10	3388.92	58.90	NA	46.52	NA	Pump	0	20	3342.40
	07/07/10	3388.92	58.90	NA	46.54	NA	NA	NA	NA	3342.38
	07/14/10	3388.92	58.90	NA	46.51	NA	Pump	0	20	3342.41
	07/14/10	3388.92	58.90	NA	46.51	NA	NA	NA	NA	3342.41
	07/29/10	3388.92	58.90	NA	46.68	NA	Pump	0	20	3342.24
	07/28/10	3388.92	58.90	NA	46.69	NA	NA	NA	NA	3342.23
	08/03/10	3388.92	58.90	NA	46.67	NA	Pump	0	20	3342.25
	08/03/10	3388.92	58.90	NA	46.68	NA	NA	NA	NA	3342.24
	08/17/10	3388.92	58.90	NA	46.83	NA	Pump	0	20	3342.09
	08/17/10	3388.92	58.90	NA	46.83	NA	NA	NA	NA	3342.09
	08/25/10	3388.92	58.90	NA	46.72	NA	Pump	0	20	3342.20
	08/25/10	3388.92	58.90	NA	46.74	NA	NA	NA	NA	3342.18
	08/26/10	3388.92	58.90	NA	46.77	NA	NA	NA	NA	3342.15
	09/01/10	3388.92	58.90	NA	46.62	NA	Pump	0	20	3342.30
	09/01/10	3388.92	58.90	NA	46.67	NA	NA	NA	NA	3342.25
	09/08/10	3388.92	58.90	NA	46.77	NA	Pump	0	20	3342.15
	09/08/10	3388.92	58.90	NA	46.79	NA	NA	NA	NA	3342.13
	09/15/10	3388.92	58.90	NA	46.84	NA	Pump	0	20	3342.08
	09/15/10	3388.92	58.90	NA	46.87	NA	NA	NA	NA	3342.05
	09/21/10	3388.92	58.90	NA	46.76	NA	Pump	0	20	3342.16
	09/21/10	3388.92	58.90	NA	46.75	NA	NA	NA	NA	3342.17
	10/01/10	3388.92	58.90	NA	46.71	NA	Pump	0	20	3342.21
	10/01/10	3388.92	58.90	NA	46.74	NA	NA	NA	NA	3342.18
	10/06/10	3388.92	58.90	NA	46.69	NA	Pump	0	20	3342.23
	10/06/10	3388.92	58.90	NA	46.71	NA	NA	NA	NA	3342.21
	10/13/10	3388.92	58.90	NA	46.69	NA	Pump	0	20	3342.23
	10/13/10	3388.92	58.90	NA	46.72	NA	NA	NA	NA	3342.20
	10/27/10	3388.92	58.90	NA	46.83	NA	Pump	0	20	3342.09
	10/27/10	3388.92	58.90	NA	46.83	NA	NA	NA	NA	3342.09
	11/03/10	3388.92	58.90	NA	46.81	NA	Pump	0	20	3342.11
	11/03/10	3388.92	58.90	NA	46.86	NA	NA	NA	NA	3342.06
	11/10/10	3388.92	58.90	NA	46.84	NA	Pump	0	20	3342.08
	11/10/10	3388.92	58.90	NA	46.85	NA	NA	NA	NA	3342.07
	11/18/10	3388.92	58.90	NA	46.92	NA				3342.00
	11/23/10	3388.92	58.90	NA	46.91	NA	Pump	0	10	3342.01
	11/23/10	3388.92	58.90	NA	46.92	NA				3342.00
	12/01/10	3388.92	58.90	NA	46.92	NA	Pump	0	20	3342.00
	12/01/10	3388.92	58.90	NA	46.96	NA				3341.96
	12/08/10	3388.92	58.90	NA	46.96	NA				3341.96
	12/15/10	3388.92	58.90	NA	46.92	NA	Pump	0	20	3342.00

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-4	12/15/10	3388.92	58.90	NA	46.93	NA				3341.99
	12/21/10	3388.92	58.90	NA	46.99	NA	Pump	0	20	3341.93
	12/21/10	3388.92	58.90	NA	47.01	NA				3341.91
MW-5	03/21/06	3389.40	59.27	NA	46.50	NA	NA	NA	NA	3342.90
	03/28/06	3389.40	59.27	NA	46.44	NA	NA	NA	NA	3342.96
	04/13/06	3389.40	NG	NA	46.48	NA	NA	NA	NA	3342.92
	04/25/06	3389.40	NG	NA	46.47	NA	NA	NA	NA	3342.93
	05/03/06	3389.40	NG	NA	46.41	NA	NA	NA	NA	3342.99
	05/11/06	3389.40	NG	NA	46.47	NA	NA	NA	NA	3342.93
	05/24/06	3389.40	NG	NA	46.46	NA	NA	NA	NA	3342.94
	06/07/06	3389.40	NG	NA	46.44	NA	NA	NA	NA	3342.96
	06/15/06	3389.40	NG	NA	46.48	NA	NA	NA	NA	3342.92
	06/29/06	3389.40	NG	NA	46.56	NA	NA	NA	NA	3342.84
	07/11/06	3389.40	NG	NA	46.51	NA	NA	NA	NA	3342.89
	07/25/06	3389.40	NG	NA	46.63	NA	NA	NA	NA	3342.77
	08/09/06	3389.40	59.10	NA	46.68	NA	NA	NA	NA	3342.72
	08/22/06	3389.40	NG	NA	46.77	NA	NA	NA	NA	3342.63
	09/12/06	3389.40	59.24	NA	46.84	NA	NA	NA	NA	3342.56
	09/19/06	3389.40	59.24	NA	46.86	NA	NA	NA	NA	3342.54
	10/03/06	3389.40	59.24	NA	46.85	NA	NA	NA	NA	3342.55
	10/17/06	3389.40	NG	NA	46.80	NA	NA	NA	NA	3342.60
	10/31/06	3389.40	NG	NA	46.79	NA	NA	NA	NA	3342.61
	11/15/06	3389.40	NG	NA	46.35	NA	NA	NA	NA	3343.05
	12/06/06	3389.40	59.20	NA	46.65	NA	NA	NA	NA	3342.75
	12/13/06	3389.40	NG	NA	46.71	NA	NA	NA	NA	3342.69
	01/03/07	3389.40	NG	NA	46.55	NA	NA	NA	NA	3342.85
	01/09/07	3389.40	NG	NA	46.60	NA	NA	NA	NA	3342.80
	01/18/07	3389.40	NG	NA	46.51	NA	NA	NA	NA	3342.89
	01/25/07	3389.40	NG	NA	46.47	NA	NA	NA	NA	3342.93
	01/31/07	3389.40	NG	NA	46.39	NA	NA	NA	NA	3343.01
	02/07/07	3389.40	NG	NA	46.02	NA	NA	NA	NA	3343.38
	02/14/07	3389.40	NG	NA	46.05	NA	NA	NA	NA	3343.35
	03/01/07	3389.40	59.15	NA	46.35	NA	NA	NA	NA	3343.05
	05/31/07	3389.40	59.13	NA	46.35	NA	NA	NA	NA	3343.05
	06/06/07	3389.40	59.13	NA	46.30	NA	NA	NA	NA	3343.10
	07/05/07	3389.40	59.24	NA	46.44	NA	NA	NA	NA	3342.96
	07/31/07	3389.40	59.23	NA	46.48	NA	NA	NA	NA	3342.92
	09/06/07	3389.40	59.23	NA	46.57	NA	NA	NA	NA	3342.83
	10/04/07	3389.40	59.25	NA	46.67	NA	NA	NA	NA	3342.73
	11/13/07	3389.40	59.16	NA	46.65	NA	NA	NA	NA	3342.75
	12/05/07	3389.40	59.16	NA	46.60	NA	NA	NA	NA	3342.80
	01/09/08	3389.40	59.12	NA	46.60	NA	NA	NA	NA	3342.80
	02/06/08	3389.40	59.12	NA	46.63	NA	NA	NA	NA	3342.77
	02/27/08	3389.40	59.12	NA	46.61	NA	NA	NA	NA	3342.79
	04/02/08	3389.40	59.12	NA	46.58	NA	NA	NA	NA	3342.82
	05/22/08	3389.40	59.12	NA	47.14	NA	NA	NA	NA	3342.26
	06/26/08	3389.40	59.12	NA	47.18	NA	NA	NA	NA	3342.22
	07/07/08	3389.40	59.12	NA	46.53	NA	NA	NA	NA	3342.87
	08/20/08	3389.40	59.11	NA	46.60	NA	NA	NA	NA	3342.80
	10/15/08	3389.40	59.16	NA	47.06	NA	NA	NA	NA	3342.34

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-5	11/19/08	3389.40	59.16	NA	46.89	NA	NA	NA	NA	3342.51
	12/21/08	3389.40	59.16	NA	46.99	NA	NA	NA	NA	3342.41
	01/07/09	3389.40	59.11	NA	46.87	NA	NA	NA	NA	3342.53
	02/04/09	3389.40	59.17	NA	46.84	NA	NA	NA	NA	3342.56
	02/17/09	3389.40	59.12	NA	46.68	NA	NA	NA	NA	3342.72
	03/04/09	3389.40	59.12	NA	46.69	NA	NA	NA	NA	3342.71
	04/08/09	3389.40	59.12	NA	46.77	NA	NA	NA	NA	3342.63
	05/06/09	3389.40	59.12	NA	46.93	NA	NA	NA	NA	3342.47
	05/19/09	3389.40	59.12	NA	46.96	NA	NA	NA	NA	3342.44
	06/03/09	3389.40	59.12	NA	46.93	NA	NA	NA	NA	3342.47
	07/15/09	3389.40	59.12	NA	46.55	NA	NA	NA	NA	3342.85
	08/05/09	3389.40	59.12	NA	46.84	NA	NA	NA	NA	3342.56
	08/26/09	3389.40	59.12	NA	46.98	NA	NA	NA	6	3342.42
	09/02/09	3389.40	59.12	NA	46.99	NA	NA	NA	NA	3342.41
	10/07/09	3389.40	59.12	NA	46.89	NA	NA	NA	NA	3342.51
	11/04/09	3389.40	59.12	NA	46.85	NA	NA	NA	NA	3342.55
	11/17/09	3389.40	59.12	NA	46.85	NA	NA	NA	NA	3342.55
	12/02/09	3389.40	59.12	NA	46.82	NA	NA	NA	NA	3342.58
	01/06/10	3389.40	59.12	NA	46.93	NA	NA	NA	NA	3342.47
	02/09/10	3389.40	59.12	NA	47.20	NA	NA	NA	NA	3342.20
	03/10/10	3389.40	59.12	NA	47.19	NA	NA	NA	NA	3342.21
	04/07/10	3389.40	59.12	NA	47.24	NA	NA	NA	NA	3342.16
	05/05/10	3389.40	59.12	NA	47.35	NA	NA	NA	NA	3342.05
	05/12/10	3389.40	59.12	NA	47.36	NA	NA	NA	NA	3342.04
	06/02/10	3389.40	59.12	NA	47.13	NA	NA	NA	NA	3342.27
	07/07/10	3389.40	59.12	NA	46.96	NA	NA	NA	NA	3342.44
	08/03/10	3389.40	59.12	NA	47.19	NA	NA	NA	NA	3342.21
	08/26/10	3389.40	59.12	NA	47.15	NA	NA	NA	NA	3342.25
	09/01/10	3389.40	59.12	NA	47.11	NA	NA	NA	NA	3342.29
	10/13/10	3389.40	59.12	NA	47.16	NA	NA	NA	NA	3342.24
	11/18/10	3389.40	59.12	NA	47.33	NA	NA	NA	NA	3342.07
	11/23/10	3389.40	59.12	NA	47.40	NA	NA	NA	NA	3342.00
	12/08/10	3389.40	59.12	NA	47.41	NA	NA	NA	NA	3341.99
MW-6	05/24/06	3389.72	NG	NA	47.12	NA	NA	NA	NA	3342.60
	06/07/06	3389.72	59.25	NA	47.10	NA	NA	NA	NA	3342.62
	06/07/06	3389.72	NG	NA	47.15	NA	Hand Bailed	5	NA	3342.57
	06/15/06	3389.72	NG	NA	47.13	NA	NA	NA	NA	3342.59
	06/29/06	3389.72	NG	NA	47.20	NA	NA	NA	NA	3342.52
	07/11/06	3389.72	NG	NA	47.23	NA	NA	NA	NA	3342.49
	07/25/06	3389.72	NG	NA	47.28	NA	NA	NA	NA	3342.44
	08/09/06	3389.72	NG	NA	47.35	NA	NA	NA	NA	3342.37
	08/22/06	3389.72	NG	NA	47.43	NA	NA	NA	NA	3342.29
	09/12/06	3389.72	58.10	NA	47.46	NA	NA	NA	NA	3342.26
	09/19/06	3389.72	NG	NA	47.51	NA	NA	NA	NA	3342.21
	10/03/06	3389.72	NG	NA	47.51	NA	NA	NA	NA	3342.21
	10/17/06	3389.72	NG	NA	47.48	NA	NA	NA	NA	3342.24
	10/31/06	3389.72	NG	NA	47.45	NA	NA	NA	NA	3342.27
	11/15/06	3389.72	NG	NA	47.00	NA	NA	NA	NA	3342.72
	12/06/06	3389.72	57.61	NA	47.34	NA	NA	NA	NA	3342.38
	12/13/06	3389.72	NG	NA	47.50	NA	NA	NA	NA	3342.22

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-6	01/03/07	3389.72	NG	NA	47.20	NA	NA	NA	NA	3342.52
	01/09/07	3389.72	NG	NA	47.25	NA	NA	NA	NA	3342.47
	01/18/07	3389.72	NG	NA	47.18	NA	NA	NA	NA	3342.54
	01/25/07	3389.72	NG	NA	47.15	NA	NA	NA	NA	3342.57
	01/31/07	3389.72	NG	NA	47.07	NA	NA	NA	NA	3342.65
	02/07/07	3389.72	NG	NA	47.12	NA	NA	NA	NA	3342.60
	02/14/07	3389.72	NG	NA	47.17	NA	NA	NA	NA	3342.55
	03/01/07	3389.72	57.60	NA	47.08	NA	NA	NA	NA	3342.64
	05/03/07	3389.72	57.60	NA	47.00	NA	NA	NA	NA	3342.72
	05/31/07	3389.72	57.21	NA	47.01	NA	NA	NA	NA	3342.71
	06/06/07	3389.72	57.21	NA	46.97	NA	NA	NA	NA	3342.75
	07/05/07	3389.72	57.60	NA	47.09	NA	NA	NA	NA	3342.63
	07/31/07	3389.72	57.60	NA	47.12	NA	NA	NA	NA	3342.60
	09/06/07	3389.72	57.60	NA	47.20	NA	NA	NA	NA	3342.52
	10/04/07	3389.72	57.60	NA	47.24	NA	NA	NA	NA	3342.48
	11/13/07	3389.72	57.58	NA	47.31	NA	NA	NA	NA	3342.41
	12/05/07	3389.72	57.58	NA	47.25	NA	NA	NA	NA	3342.47
	01/09/08	3389.72	57.26	NA	47.24	NA	NA	NA	NA	3342.48
	02/06/08	3389.72	57.26	NA	47.26	NA	NA	NA	NA	3342.46
	02/27/08	3389.72	57.46	NA	47.24	NA	NA	NA	NA	3342.48
	04/02/08	3389.72	57.46	NA	47.19	NA	NA	NA	NA	3342.53
	05/22/08	3389.72	57.46	NA	47.14	NA	NA	NA	NA	3342.58
	06/27/08	3389.72	57.46	NA	47.24	NA	NA	NA	NA	3342.48
	07/07/08	3389.72	57.46	NA	47.20	NA	NA	NA	NA	3342.52
	08/20/08	3389.72	57.20	NA	47.28	NA	NA	NA	NA	3342.44
	10/15/08	3389.72	57.25	NA	47.70	NA	NA	NA	NA	3342.02
	11/19/08	3389.72	57.25	NA	47.56	NA	NA	NA	NA	3342.16
	12/21/08	3389.72	57.25	NA	47.68	NA	NA	NA	NA	3342.04
	01/07/09	3389.72	57.16	NA	47.54	NA	NA	NA	NA	3342.18
	02/04/09	3389.72	57.14	NA	47.53	NA	NA	NA	NA	3342.19
	02/17/09	3389.72	57.33	NA	47.36	NA	NA	NA	NA	3342.36
	03/04/09	3389.72	57.33	NA	47.37	NA	NA	NA	NA	3342.35
	04/08/09	3389.72	57.33	NA	47.43	NA	NA	NA	NA	3342.29
	05/06/09	3389.72	57.33	NA	47.60	NA	NA	NA	NA	3342.12
	05/19/09	3389.72	57.33	NA	47.59	NA	NA	NA	5	3342.13
	06/03/09	3389.72	57.33	NA	47.58	NA	NA	NA	5	3342.14
	07/15/09	3389.72	57.33	NA	47.65	NA	NA	NA	5	3342.07
	08/05/09	3389.72	57.33	NA	47.51	NA	NA	NA	NA	3342.21
	08/26/09	3389.72	57.45	NA	47.61	NA	NA	NA	5	3342.11
	09/02/09	3389.72	57.45	NA	47.63	NA	NA	NA	NA	3342.09
	10/07/09	3389.72	57.45	NA	47.55	NA	NA	NA	NA	3342.17
	11/04/09	3389.72	57.45	NA	47.51	NA	NA	NA	NA	3342.21
	11/17/09	3389.72	57.45	NA	47.51	NA	NA	NA	NA	3342.21
	12/02/09	3389.72	57.45	NA	47.47	NA	NA	NA	NA	3342.25
	01/06/10	3389.72	57.45	NA	47.56	NA	NA	NA	NA	3342.16
	02/09/10	3389.72	57.45	NA	47.81	NA	NA	NA	NA	3341.91
	03/10/10	3389.72	57.45	NA	47.82	NA	NA	NA	NA	3341.90
	04/07/10	3389.72	57.45	NA	47.88	NA	NA	NA	NA	3341.84
	05/05/10	3389.72	57.45	NA	47.98	NA	NA	NA	NA	3341.74
	05/12/10	3389.72	57.45	NA	47.96	NA	NA	NA	NA	3341.76
	06/02/10	3389.72	57.45	NA	47.78	NA	NA	NA	NA	3341.94

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-6	07/07/10	3389.72	57.45	NA	47.60	NA	NA	NA	NA	3342.12
	08/03/10	3389.72	57.45	NA	47.80	NA	NA	NA	NA	3341.92
	08/26/10	3389.72	57.45	NA	47.82	NA	NA	NA	NA	3341.90
	09/01/10	3389.72	57.45	NA	47.74	NA	NA	NA	NA	3341.98
	10/13/10	3389.72	57.45	NA	47.78	NA	NA	NA	NA	3341.94
	11/18/10	3389.72	57.45	NA	48.01	NA	NA	NA	NA	3341.71
	11/23/10	3389.72	57.45	NA	48.00	NA	NA	NA	NA	3341.72
	12/08/10	3389.72	57.45	NA	48.03	NA	NA	NA	NA	3341.69
MW-7	05/24/06	3389.28	NG	NA	46.67	NA	NA	NA	NA	3342.61
	06/07/06	3389.28	57.90	NA	46.69	NA	NA	NA	NA	3342.59
	06/07/06	3389.28	NG	NA	46.77	NA	Hand Bailed	5	NA	3342.51
	06/15/06	3389.28	NG	NA	46.67	NA	NA	NA	NA	3342.61
	06/29/06	3389.28	NG	NA	46.77	NA	NA	NA	NA	3342.51
	07/11/06	3389.28	NG	NA	46.78	NA	NA	NA	NA	3342.50
	07/25/06	3389.28	NG	NA	46.84	NA	NA	NA	NA	3342.44
	08/09/06	3389.28	56.36	NA	46.94	NA	NA	NA	NA	3342.34
	08/22/06	3389.28	NG	NA	46.98	NA	NA	NA	NA	3342.30
	09/12/06	3389.28	56.54	NA	47.03	NA	NA	NA	NA	3342.25
	09/19/06	3389.28	NG	NA	47.07	NA	NA	NA	NA	3342.21
	10/03/06	3389.28	NG	NA	47.05	NA	NA	NA	NA	3342.23
	10/17/06	3389.28	NG	NA	47.04	NA	NA	NA	NA	3342.24
	10/31/06	3389.28	NG	NA	46.98	NA	NA	NA	NA	3342.30
	11/15/06	3389.28	NG	NA	47.43	NA	NA	NA	NA	3341.85
	12/06/06	3389.28	56.33	NA	46.88	NA	NA	NA	NA	3342.40
	12/13/06	3389.28	NG	NA	47.00	NA	NA	NA	NA	3342.28
	01/03/07	3389.28	NG	NA	46.75	NA	NA	NA	NA	3342.53
	01/09/07	3389.28	NG	NA	46.81	NA	NA	NA	NA	3342.47
	01/18/07	3389.28	NG	NA	46.71	NA	NA	NA	NA	3342.57
	01/25/07	3389.28	NG	NA	46.70	NA	NA	NA	NA	3342.58
	01/31/07	3389.28	NG	NA	46.62	NA	NA	NA	NA	3342.66
	02/07/07	3389.28	NG	NA	46.65	NA	NA	NA	NA	3342.63
	02/14/07	3389.28	NG	NA	46.69	NA	NA	NA	NA	3342.59
	03/01/07	3389.28	55.99	NA	46.62	NA	NA	NA	NA	3342.66
	05/03/07	3389.28	55.99	NA	46.53	NA	NA	NA	NA	3342.75
	05/31/07	3389.28	55.98	NA	46.53	NA	NA	NA	NA	3342.75
	06/06/07	3389.28	55.98	NA	46.50	NA	NA	NA	NA	3342.78
	07/05/07	3389.28	56.01	NA	46.60	NA	NA	NA	NA	3342.68
	07/31/07	3389.28	56.02	NA	46.63	NA	NA	NA	NA	3342.65
	09/06/07	3389.28	56.02	NA	46.72	NA	NA	NA	NA	3342.56
	10/04/07	3389.28	56.02	NA	46.78	NA	NA	NA	NA	3342.50
	11/13/07	3389.28	58.97	NA	46.80	NA	NA	NA	NA	3342.48
	12/05/07	3389.28	58.97	NA	46.75	NA	NA	NA	NA	3342.53
	01/09/08	3389.28	56.10	NA	46.75	NA	NA	NA	NA	3342.53
	02/06/08	3389.28	56.10	NA	46.75	NA	NA	NA	NA	3342.53
	02/27/08	3389.28	55.92	NA	46.72	NA	NA	NA	NA	3342.56
	04/02/08	3389.28	55.92	NA	46.69	NA	NA	NA	NA	3342.59
	05/22/08	3389.28	55.92	NA	46.63	NA	NA	NA	NA	3342.65
	06/26/08	3389.28	55.92	NA	46.72	NA	NA	NA	NA	3342.56
	07/07/08	3389.28	55.92	NA	46.72	NA	NA	NA	NA	3342.56
	08/20/08	3389.28	55.88	NA	46.77	NA	NA	NA	NA	3342.51

TABLE 2
GROUNDWATER ELEVATION and PSH DATA
Plains Marketing L.P.
SRS No. 2000-10807
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 Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
MW-7	10/15/08	3389.28	55.89	NA	47.20	NA	NA	NA	NA	3342.08
	11/19/08	3389.28	55.89	NA	47.08	NA	NA	NA	NA	3342.20
	12/21/08	3389.28	55.89	NA	47.18	NA	NA	NA	NA	3342.10
	01/07/09	3389.28	55.53	NA	47.05	NA	NA	NA	NA	3342.23
	02/04/09	3389.28	55.48	NA	47.05	NA	NA	NA	NA	3342.23
	02/17/09	3389.28	55.82	NA	46.89	NA	NA	NA	NA	3342.39
	03/04/09	3389.28	55.82	NA	46.90	NA	NA	NA	NA	3342.38
	04/08/09	3389.28	55.82	NA	46.90	NA	NA	NA	NA	3342.38
	05/07/09	3389.28	55.82	NA	47.11	NA	NA	NA	NA	3342.17
	05/19/09	3389.28	55.82	NA	47.13	NA	NA	NA	5	3342.15
	06/03/09	3389.28	55.82	NA	47.11	NA	NA	NA	NA	3342.17
	07/15/09	3389.28	55.82	NA	47.17	NA	NA	NA	NA	3342.11
	08/05/09	3389.28	55.82	NA	47.07	NA	NA	NA	NA	3342.21
	08/26/09	3389.28	55.45	NA	47.13	NA	NA	NA	5	3342.15
	09/02/09	3389.28	55.45	NA	47.17	NA	NA	NA	NA	3342.11
	10/07/09	3389.28	55.45	NA	47.10	NA	NA	NA	NA	3342.18
	11/04/09	3389.28	55.45	NA	47.08	NA	NA	NA	NA	3342.20
	11/17/09	3389.28	55.45	NA	47.06	NA	NA	NA	NA	3342.22
	12/02/09	3389.28	55.45	NA	47.03	NA	NA	NA	NA	3342.25
	01/06/10	3389.28	55.45	NA	47.10	NA	NA	NA	NA	3342.18
	02/09/10	3389.28	55.45	NA	47.30	NA	NA	NA	NA	3341.98
	03/10/10	3389.28	55.45	NA	47.29	NA	NA	NA	NA	3341.99
	04/07/10	3389.28	55.45	NA	47.37	NA	NA	NA	NA	3341.91
	05/05/10	3389.28	55.45	NA	47.45	NA	NA	NA	NA	3341.83
	05/12/10	3389.28	55.45	NA	47.45	NA	NA	NA	NA	3341.83
	06/02/10	3389.28	55.45	NA	47.30	NA	NA	NA	NA	3341.98
	07/07/10	3389.28	55.45	NA	47.17	NA	NA	NA	NA	3342.11
	08/03/10	3389.28	55.45	NA	47.28	NA	NA	NA	NA	3342.00
	08/26/10	3389.28	55.45	NA	47.27	NA	NA	NA	NA	3342.01
	09/01/10	3389.28	55.45	NA	47.24	NA	NA	NA	NA	3342.04
	10/13/10	3389.28	55.45	NA	47.28	NA	NA	NA	NA	3342.00
	11/18/10	3389.28	55.45	NA	47.47	NA	NA	NA	NA	3341.81
	11/23/10	3389.28	55.45	NA	47.51	NA	NA	NA	NA	3341.77
	12/08/10	3389.28	55.45	NA	47.55	NA	NA	NA	NA	3341.73

NA: Not Applicable
NG: Not Gauged

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Plains Pipeline, L.P.
SRS No. 2000-10807
D. S. Hugh Site
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	12/21/05	NS	NS	NS	NS	NS
MW-1	03/28/06	NS	NS	NS	NS	NS
MW-1	06/15/06	NS	NS	NS	NS	NS
MW-1	09/12/06	NS	NS	NS	NS	NS
MW-1	03/01/07	NS	NS	NS	NS	NS
MW-1	05/22/08	T22302-1	**0.512**	0.439	0.141	0.323
MW-1	05/19/09	196690	**0.0105**	0.0143	0.0061	0.0178
MW-1	05/12/10	1005476-01	**0.45**	0.68	0.3	**0.84**
MW-2	12/21/05	T12186-1	<0.002	<0.002	<0.002	<0.006
MW-2	03/28/06	T13038-1	<0.00038	<0.00036	<0.00035	<0.00072
MW-2	06/15/06	T13864-1	<0.00038	<0.00036	<0.00035	<0.00072
MW-2	09/12/06	T14673-1	<0.00035	<0.00020	<0.00033	<0.00036
MW-2	12/06/06	T15625-1	<0.00035	<0.00020	<0.00033	<0.00036
MW-2	03/01/07	T16518-1	<0.00035	<0.00020	<0.00033	<0.00036
MW-2	06/01/07	T17666-1	<0.00021	<0.00023	<0.00035	<0.00055
MW-2	09/07/07	T18804-1	<0.00021	<0.00023	<0.00035	<0.00055
MW-2	11/13/07	T19746-1	<0.0005	<0.0005	<0.0005	<0.001
MW-2	02/27/08	T21042-1	0.00077 J	<0.00023	0.00085 J	0.00068 J
MW-2	05/22/08	T22302-2	0.00029 J	<0.00023	<0.00035	<0.0055
MW-2	08/20/08	T23537-1	<0.0005	<0.0005	<0.0005	<0.001
MW-2	11/19/08	180051	0.00230	<0.00100	0.00180	0.00130
MW-2	02/17/09	187738	<0.001	<0.001	<0.001	<0.001
MW-2	05/19/09	196691	<0.000133	<0.000281	<0.000535	<0.000960
MW-2	08/26/09	208335	<0.000133	<0.000281	<0.000535	<0.000960
MW-2	11/17/09	215429	<0.000160	<0.000332	<0.000230	<0.000143
MW-2	02/09/10	222048	<0.000208	<0.000208	<0.000303	<0.000326
MW-2	05/12/10	1005476-02	0.00077 J	<0.00020	0.00039 J	<0.00070
MW-2	08/26/10	1008908-01	<0.00020	<0.00020	<0.00020	<0.00070
MW-2	11/18/10	1011751-01	<0.00020	<0.00020	<0.00020	<0.00070
MW-3	12/21/05	T12186-2	<0.002	<0.002	<0.002	<0.006
MW-3	03/28/06	T13038-2	<0.00038	<0.00036	<0.00035	<0.00072
MW-3	06/15/06	T13864-2	<0.00038	<0.00036	<0.00035	<0.00072
MW-3	09/12/06	T14673-2	<0.00035	<0.00020	<0.00033	<0.00036
MW-3	12/06/06	T15625-2	<0.00035	<0.00020	<0.00033	<0.00036
MW-3	03/01/07	T16518-2	<0.00035	<0.00020	<0.00033	<0.00036
MW-3	06/01/07	T17666-2	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	09/07/07	T18804-2	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	11/13/07	T19746-2	<0.0005	<0.0005	<0.0005	<0.001
MW-3	02/27/08	T21042-2	0.00021 J	<0.00023	<0.00035	<0.00055
MW-3	05/22/08	T22302-3	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	08/20/08	T23537-2	<0.0005	<0.0005	<0.0005	<0.001
MW-3	11/19/08	180052	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	02/17/09	187739	<0.001	<0.001	<0.001	<0.001
MW-3	05/19/09	196692	<0.000149	<0.000188	<0.000178	<0.000163
MW-3	08/26/09	208336	<0.000133	<0.000281	<0.000535	<0.000960
MW-3	11/17/09	215430	<0.000160	<0.000332	<0.000230	<0.000143
MW-3	02/09/10	222049	<0.000208	<0.000208	<0.000303	<0.000326
MW-3	05/12/10	1005476-03	0.0012	<0.00020	0.00049 J	0.00088 J
MW-3	08/26/10	1008908-02	<0.00020	<0.00020	<0.00020	<0.00070
MW-3	11/18/10	1011751-02	<0.00020	<0.00020	<0.00020	<0.00070

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Plains Pipeline, L.P.
SRS No. 2000-10807
D. S. Hugh Site
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-4	03/28/06	T13038-3	**0.2**[a]	0.0535	0.0384	0.115
MW-4	06/15/06	T13864-3	**0.41**[a]	0.0926	0.144[a]	0.403[a]
MW-4	09/12/06	T14673-3	**0.617**[a]	0.025	0.232[a]	0.208
MW-4	12/06/06	T15625-3	**1.25**[a]	0.196	0.581[a]	0.818
MW-4	03/01/07	T16518-3	**1.06**	0.186	0.294	0.195
MW-4	06/01/07	T17666-3	**1.25**	0.0195 J	0.349	0.192
MW-4	09/07/07	T18804-3	**1.51**	0.0554	0.317	0.295
MW-4	11/13/07	T19746-3	**1.38**[a]	0.0251	0.256	0.22
MW-4	02/27/08	T21042-3	**1.77**	0.0882	0.532	0.792
MW-4	05/22/08	T22302-4	**1.09**	0.0215	0.291	0.254
MW-4	08/20/08	T23537-3	**0.662**[a]	0.0161	0.207[a]	0.249
MW-4	11/19/08	180053	**0.567**	0.0398	0.205	0.326
MW-4	02/17/09	187740	**0.654**	0.0451	0.196	0.507
MW-4	05/19/09	196693	**0.338**	0.0259	0.174	0.319
MW-4	08/26/09	208337	**0.301**	0.0405	0.180	0.407
MW-4	11/17/09	215431	**0.112**	0.0350	0.115	0.246
MW-4	02/09/10	222050	**0.16**	0.0663	0.159	0.398
MW-4	05/12/10	1005476-04	**0.11**	0.0450	0.14	0.4
MW-4	08/26/10	1008908-03	**0.038**	0.0340	0.094	0.26
MW-4	11/18/10	1011751-03	**0.014**	0.0023	0.12	0.26
MW-5	03/28/06	T13038-4	<0.00038	<0.00036	<0.00035	<0.00072
MW-5	06/15/06	T13864-4	<0.00038	<0.00036	<0.00035	<0.00072
MW-5	09/12/06	T14673-4	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	12/06/06	T15625-4	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	03/01/07	T16518-4	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	06/01/07	T17666-4	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	09/07/07	T18804-4	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	11/13/07	T19746-4	<0.0005	<0.0005	<0.0005	<0.001
MW-5	02/27/08	T21042-4	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	05/22/08	T22302-5	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	08/20/08	T23537-4	<0.0005	<0.0005	<0.0005	<0.001
MW-5	11/19/08	180054	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	02/17/09	187741	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	05/19/09	196694	<0.000149	<0.000188	<0.000178	<0.000163
MW-5	08/26/09	208338	<0.000133	<0.000281	<0.000535	<0.000960
MW-5	11/17/09	215432	<0.000133	<0.000281	<0.000535	<0.000960
MW-5	02/09/10	222051	<0.000208	<0.000208	<0.000303	<0.000326
MW-5	05/12/10	1005476-05	0.00058 J	<0.00020	0.00042 J	0.001 J
MW-5	08/26/10	1008908-04	<0.00020	<0.00020	<0.00020	<0.00070
MW-5	11/18/10	1011751-04	<0.00020	<0.00020	<0.00020	<0.00070
MW-6	06/15/06	T13864-5	<0.00038	<0.00036	<0.00035	<0.00072
MW-6	09/12/06	T14673-5	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	12/06/06	T15625-5	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	03/01/07	T16518-5	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	06/01/07	T17666-5	<0.00021	<0.00023	<0.00035	0.0014 J
MW-6	09/07/07	T18804-5	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	11/13/07	T19746-5	<0.0005	<0.0005	<0.0005	<0.001
MW-6	02/27/08	T21042-5	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	05/22/08	T22302-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	08/20/08	T23537-5	0.0065	<0.0005	0.0037	<0.001
MW-6	11/19/08	180055	<0.00100	<0.00100	<0.00100	<0.00100

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Plains Pipeline, L.P.
SRS No. 2000-10807
D. S. Hugh Site
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-6	02/17/09	187742	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	05/19/09	196695	<0.000149	<0.000188	<0.000178	<0.000163
MW-6	08/26/09	208339	<0.000133	<0.000281	<0.000535	<0.000960
MW-6	11/17/09	215433	<0.000133	<0.000281	<0.000535	<0.000960
MW-6	02/09/10	222052	<0.000208	<0.000208	0.0006 J	0.0007 J
MW-6	05/12/10	1005476-06	<0.00020	<0.00020	<0.00020	<0.00070
MW-6	08/26/10	1008908-05	<0.00020	<0.00020	<0.00020	<0.00070
MW-6	11/18/10	1011751-05	<0.00020	<0.00020	<0.00020	<0.00070
MW-7	06/15/06	T13864-6	<0.00038	<0.00036	<0.00035	<0.00072
MW-7	09/12/06	T14673-6	**0.0163**	<0.00020	<0.00033	0.0036
MW-7	12/06/06	T15625-6	**0.011**	<0.00020	<0.00033	0.004
MW-7	03/01/07	T16518-6	<0.00035	<0.00020	<0.00033	0.0053
MW-7	06/01/07	T17666-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	09/07/07	T18804-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	11/13/07	T19746-6	<0.0005	<0.0005	<0.0005	<0.001
MW-7	02/27/08	T21042-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	05/22/08	T22302-7	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	08/20/08	T23537-6	0.00086 J	<0.0005	0.00054 J	<0.001
MW-7*	11/19/08	180056	NS	NS	NS	NS
MW-7	02/17/09	187743	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	05/19/09	196696	<0.000149	<0.000188	<0.000178	<0.000163
MW-7	08/26/09	208340	<0.000133	<0.000281	<0.000535	<0.000960
MW-7	11/17/09	215434	<0.000133	<0.000281	<0.000535	<0.000960
MW-7	02/09/10	222053	<0.000208	<0.000208	0.0012	0.0014
MW-7	05/12/10	1005476-07	0.0017	<0.00020	0.00079 J	0.0019 J
MW-7	08/26/10	1008908-06	<0.00020	<0.00020	<0.00020	<0.00070
MW-7	11/18/10	1011751-06	<0.00020	<0.00020	<0.00020	<0.00070

(a) = Result is from Run #2
Concentration in **Bold =** above NMOCD Remediation Criteria
Note: MW-1 not sampled due to presence of hydrocarbon sheen (NS)
J = Estimated value
* MW-7 was not sampled in 4th Quarter 2008, due to root growth in the well
NA = Not requested for analysis

TABLE 4
GROUNDWATER ANALYTICAL RESULTS for
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs) from wells with Sheen/PSH
Plains Marketing, L.P.
SRS No. 2000-10807
D S Hugh
Lea County, New Mexico

Monitoring Well	Sample Date	Lab Report #	Naphthalene	Acenaphthylene	Acenaphthene	Flourene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]-anthracene	Chrysene	Benzo[b]-fluoranthene	Benzo[a]-pyrene	Dibenzofuran	Dibenz[a,h]-anthracene	Benzo[g,h,i]-perylene	Benzo(k)fluoranthene	1-Methylnaphthalene	2-Methylnaphthalene	Total Methylnaphthalene	TPH-GRO (C6-C10)	TPH DRO (C10-C28)	TPH DRO (C28-C35)
		Units	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)
Other regulatory limits (Tap Water)*			***	NA	365	243	0.91	1100	1830	1460	183	0.91	29.1	0.91	0.7***		0.091	NA	9.1			***	NA	NA	NA
MW-1	5/22/2008	T22302-1	10.7	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	NA	<1.3	<2.5	<1.6	NA	10.2	10.2	5.56	2.2	
MW-1	5/19/2009	9052214	6.67	<0.0707	<0.131	<0.0525	<0.0801	1.53	<0.0808	<0.0880	<0.0458	<0.0302	<0.0913	<0.0631	<0.0506	0.897	<0.0558	<0.0628	<0.0765	9.04	9.05	18.1	0.183 J	<0.876	
MW-1	5/12/2010	1005476-01	**47**	<0.070	3.7	2.2	<0.10	6.7	<0.070	<0.070	<0.070	<0.070	0.78	<0.090	<0.080	3.2	<0.080	<0.090	<0.10	61	76	**137**	40	82	12

< = Not Detected
Tap Water* = NMED Tap Water Soil screening levels for residential scenarios.
*** = NM Water Quality Standard for PAHs is 30µg/L for total naphthalenes plus monomethylnaphthalenes (total methylnaphthalenes)
** = NM Water Quality Standard
J = Analyte detected below quantitation limit (Detected below MDL but above SDL.)

TABLE 5
2010 MONTHLY DISSOLVED PHASE GROUNDWATER
Plains Pipeline, L.P.
Plains SRS No.: 2000-10807
DS Hugh
Lea County, New Mexico

Month	Volume of dissolved phase groundwater recovered in gallons	Quarterly Volume of dissolved phase groundwater recovered in gallons
January	279.50	729.50
February	140.00	
March	310.00	
April	240.00	543.75
May	125.00	
June	178.75	
July	145.00	478.00
August	153.00	
September	180.00	
October	200.00	520.00
November	150.00	
December	170.00	
Total	2271.25	2271.25

APPENDIX C

2010 Analytical Laboratory Reports

(Available on CD attached to back cover)

1st Quarter 2010 Analytical Reports – 10021112
2nd Quarter 2010 Analytical Reports – 1005476
3rd Quarter 2010 Analytical Reports – 1008908
4th Quarter 2010 Analytical Reports – 1011751

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Chan Patel
Premier Environmental
4800 Sugar Grove Blvd.
Suite 420
Stafford, TX, 77477-2635

Report Date: February 15, 2010

Work Order: 10021112

Project Location: Lea Co., NM
Project Name: D. S. Hugh
Project Number: 205071
SRS #: 2000-10807

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
222048	MW-2	water	2010-02-09	00:00	2010-02-10
222049	MW-3	water	2010-02-09	00:00	2010-02-10
222050	MW-4	water	2010-02-09	00:00	2010-02-10
222051	MW-5	water	2010-02-09	00:00	2010-02-10
222052	MW-6	water	2010-02-09	00:00	2010-02-10
222053	MW-7	water	2010-02-09	00:00	2010-02-10

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

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

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

Standard Flags

U - Not detected. The analyte is not detected above the SDL.

J - Estimated. The analyte is positively identified and the value is approximated between the SDL and MQL.

B - The sample contains less than ten times the concentration found in the method blank.

JB - The analyte is positively identified and the value is approximated between the SDL and MQL.
The sample contains less than ten times the concentration found in the method blank.
The result should be considered non-detect to the SDL.

Blair Leftwich

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

Case Narrative

Samples for project D. S. Hugh were received by TraceAnalysis, Inc. on 2010-02-10 and assigned to work order 10021112. Samples for work order 10021112 were received intact without headspace and at a temperature of 4.0 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	57709	2010-02-11 at 11:50	67465	2010-02-11 at 11:50
BTEX	S 8021B	57710	2010-02-11 at 11:50	67466	2010-02-11 at 11:50

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10021112 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 222048 - MW-2

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67465	Date Analyzed:	2010-02-11	Analyzed By:	MT
Prep Batch:	57709	Sample Preparation:	2010-02-11	Prepared By:	MT

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	<0.000208	<0.00100	<0.000208	mg/L	1	0.000208	0.001	0.000208
Toluene	U	<0.000208	<0.00100	<0.000208	mg/L	1	0.000208	0.001	0.000208
Ethylbenzene	U	<0.000303	<0.00100	<0.000303	mg/L	1	0.000303	0.001	0.000303
Xylene	U	<0.000326	<0.00100	<0.000326	mg/L	1	0.000326	0.001	0.000326

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0894	mg/L	1	0.100	89	77.8 - 103
4-Bromofluorobenzene (4-BFB)		0.0942	mg/L	1	0.100	94	72.3 - 112

Sample: 222049 - MW-3

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67465	Date Analyzed:	2010-02-11	Analyzed By:	MT
Prep Batch:	57709	Sample Preparation:	2010-02-11	Prepared By:	MT

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	<0.000208	<0.00100	<0.000208	mg/L	1	0.000208	0.001	0.000208
Toluene	U	<0.000208	<0.00100	<0.000208	mg/L	1	0.000208	0.001	0.000208
Ethylbenzene	U	<0.000303	<0.00100	<0.000303	mg/L	1	0.000303	0.001	0.000303
Xylene	U	<0.000326	<0.00100	<0.000326	mg/L	1	0.000326	0.001	0.000326

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0909	mg/L	1	0.100	91	77.8 - 103
4-Bromofluorobenzene (4-BFB)		0.0948	mg/L	1	0.100	95	72.3 - 112

Sample: 222050 - MW-4

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67465	Date Analyzed:	2010-02-11	Analyzed By:	MT
Prep Batch:	57709	Sample Preparation:	2010-02-11	Prepared By:	MT

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene		**0.160**	**0.160**	<0.000208	mg/L	1	0.000208	0.001	0.000208
Toluene		**0.0663**	**0.0663**	<0.000208	mg/L	1	0.000208	0.001	0.000208
Ethylbenzene		**0.159**	**0.159**	<0.000303	mg/L	1	0.000303	0.001	0.000303
Xylene		**0.398**	**0.398**	<0.000326	mg/L	1	0.000326	0.001	0.000326

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[1]	0.119	mg/L	1	0.100	119	77.8 - 103
4-Bromofluorobenzene (4-BFB)	[2]	0.119	mg/L	1	0.100	119	72.3 - 112

Sample: 222051 - MW-5

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67466	Date Analyzed:	2010-02-11	Analyzed By:	MT
Prep Batch:	57710	Sample Preparation:	2010-02-11	Prepared By:	MT

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	<0.000208	<0.00100	<0.000208	mg/L	1	0.000208	0.001	0.000208
Toluene	U	<0.000208	<0.00100	<0.000208	mg/L	1	0.000208	0.001	0.000208
Ethylbenzene	U	<0.000303	<0.00100	<0.000303	mg/L	1	0.000303	0.001	0.000303
Xylene	U	<0.000326	<0.00100	<0.000326	mg/L	1	0.000326	0.001	0.000326

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0900	mg/L	1	0.100	90	77.8 - 103
4-Bromofluorobenzene (4-BFB)		0.0846	mg/L	1	0.100	85	72.3 - 112

Sample: 222052 - MW-6

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67466	Date Analyzed:	2010-02-11	Analyzed By:	MT
Prep Batch:	57710	Sample Preparation:	2010-02-11	Prepared By:	MT

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	<0.000208	<0.00100	<0.000208	mg/L	1	0.000208	0.001	0.000208
Toluene	U	<0.000208	<0.00100	<0.000208	mg/L	1	0.000208	0.001	0.000208

continued ...

[1]High surrogate recovery due to peak interference.
[2]High surrogate recovery due to peak interference.

sample 222052 continued ...

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Ethylbenzene	J	**0.000600**	<0.00100	<0.000303	mg/L	1	0.000303	0.001	0.000303
Xylene	J	**0.000700**	<0.00100	<0.000326	mg/L	1	0.000326	0.001	0.000326

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0914	mg/L	1	0.100	91	77.8 - 103
4-Bromofluorobenzene (4-BFB)		0.0845	mg/L	1	0.100	84	72.3 - 112

Sample: 222053 - MW-7

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	67466	Date Analyzed:	2010-02-11	Analyzed By:	MT
Prep Batch:	57710	Sample Preparation:	2010-02-11	Prepared By:	MT

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	<0.000208	<0.00100	<0.000208	mg/L	1	0.000208	0.001	0.000208
Toluene	U	<0.000208	<0.00100	<0.000208	mg/L	1	0.000208	0.001	0.000208
Ethylbenzene		**0.00120**	**0.00120**	<0.000303	mg/L	1	0.000303	0.001	0.000303
Xylene		**0.00140**	**0.00140**	<0.000326	mg/L	1	0.000326	0.001	0.000326

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0976	mg/L	1	0.100	98	77.8 - 103
4-Bromofluorobenzene (4-BFB)		0.104	mg/L	1	0.100	104	72.3 - 112

Method Blank (1)

QC Batch:	67465	Date Analyzed:	2010-02-11	Analyzed By:	MT
Prep Batch:	57709	QC Preparation:	2010-02-11	Prepared By:	MT

Parameter	Flag	Result	Units	Reporting Limits
Benzene		<0.000208	mg/L	0.000208
Toluene		<0.000208	mg/L	0.000208
Ethylbenzene		<0.000303	mg/L	0.000303
Xylene		<0.000326	mg/L	0.000326

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.101	mg/L	1	0.100	101	77.8 - 103

continued ...

method blank continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		0.0926	mg/L	1	0.100	93	72.3 - 112

Method Blank (1)

QC Batch: 67466 | Date Analyzed: 2010-02-11 | Analyzed By: MT
Prep Batch: 57710 | QC Preparation: 2010-02-11 | Prepared By: MT

Parameter	Flag	Result	Units	Reporting Limits
Benzene		<0.000208	mg/L	0.000208
Toluene		<0.000208	mg/L	0.000208
Ethylbenzene		<0.000303	mg/L	0.000303
Xylene		<0.000326	mg/L	0.000326

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0985	mg/L	1	0.100	98	77.8 - 103
4-Bromofluorobenzene (4-BFB)		0.0997	mg/L	1	0.100	100	72.3 - 112

Laboratory Control Spike (LCS-1)

QC Batch: 67465 | Date Analyzed: 2010-02-11 | Analyzed By: MT
Prep Batch: 57709 | QC Preparation: 2010-02-11 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0983	mg/L	1	0.100	<0.000208	98	89 - 107
Toluene	0.0971	mg/L	1	0.100	<0.000208	97	87.7 - 106
Ethylbenzene	0.0992	mg/L	1	0.100	<0.000303	99	84.6 - 108
Xylene	0.306	mg/L	1	0.300	<0.000326	102	85.4 - 112

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.105	mg/L	1	0.100	<0.000208	105	89 - 107	7	20
Toluene	0.104	mg/L	1	0.100	<0.000208	104	87.7 - 106	7	20
Ethylbenzene	0.106	mg/L	1	0.100	<0.000303	106	84.6 - 108	7	20
Xylene	0.329	mg/L	1	0.300	<0.000326	110	85.4 - 112	7	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0980	0.0996	mg/L	1	0.100	98	100	81.6 - 112

continued ...

control spikes continued ...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	0.0899	0.102	mg/L	1	0.100	90	102	79.4 - 119

Laboratory Control Spike (LCS-1)

QC Batch: 67466 | Date Analyzed: 2010-02-11 | Analyzed By: MT
Prep Batch: 57710 | QC Preparation: 2010-02-11 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.105	mg/L	1	0.100	<0.000208	105	89 - 107
Toluene	0.104	mg/L	1	0.100	<0.000208	104	87.7 - 106
Ethylbenzene	0.106	mg/L	1	0.100	<0.000303	106	84.6 - 108
Xylene	0.331	mg/L	1	0.300	<0.000326	110	85.4 - 112

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.103	mg/L	1	0.100	<0.000208	103	89 - 107	2	20
Toluene	0.102	mg/L	1	0.100	<0.000208	102	87.7 - 106	2	20
Ethylbenzene	0.104	mg/L	1	0.100	<0.000303	104	84.6 - 108	2	20
Xylene	0.322	mg/L	1	0.300	<0.000326	107	85.4 - 112	3	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0968	0.0980	mg/L	1	0.100	97	98	81.6 - 112
4-Bromofluorobenzene (4-BFB)	0.102	0.102	mg/L	1	0.100	102	102	79.4 - 119

Matrix Spike (MS-1) Spiked Sample: 222012

QC Batch: 67465 | Date Analyzed: 2010-02-11 | Analyzed By: MT
Prep Batch: 57709 | QC Preparation: 2010-02-11 | Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.110	mg/L	1	0.100	0.0125	98	19.7 - 151
Toluene	0.0982	mg/L	1	0.100	0.0009	97	21.3 - 145
Ethylbenzene	0.0967	mg/L	1	0.100	0.0017	95	21.8 - 144
Xylene	0.303	mg/L	1	0.300	0.0079	98	21.5 - 147

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

continued ...

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene [3]	0.0873	mg/L	1	0.100	0.0125	75	19.7 - 151	23	20
Toluene [4]	0.0783	mg/L	1	0.100	0.0009	77	21.3 - 145	22	20
Ethylbenzene [5]	0.0771	mg/L	1	0.100	0.0017	75	21.8 - 144	23	20
Xylene [6]	0.244	mg/L	1	0.300	0.0079	79	21.5 - 147	22	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0971	0.0958	mg/L	1	0.1	97	96	75 - 120
4-Bromofluorobenzene (4-BFB)	0.104	0.101	mg/L	1	0.1	104	101	75.6 - 129

Matrix Spike (MS-1) Spiked Sample: 222031

QC Batch: 67466 | Date Analyzed: 2010-02-11 | Analyzed By: MT
Prep Batch: 57710 | QC Preparation: 2010-02-11 | Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0501	mg/L	1	0.100	<0.000208	50	19.7 - 151
Toluene	0.0499	mg/L	1	0.100	<0.000208	50	21.3 - 145
Ethylbenzene	0.0500	mg/L	1	0.100	<0.000303	50	21.8 - 144
Xylene	0.155	mg/L	1	0.300	<0.000326	52	21.5 - 147

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene [7]	0.0643	mg/L	1	0.100	<0.000208	64	19.7 - 151	25	20
Toluene [8]	0.0631	mg/L	1	0.100	<0.000208	63	21.3 - 145	23	20
Ethylbenzene [9]	0.0634	mg/L	1	0.100	<0.000303	63	21.8 - 144	24	20
Xylene [10]	0.195	mg/L	1	0.300	<0.000326	65	21.5 - 147	23	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0940	0.102	mg/L	1	0.1	94	102	75 - 120
4-Bromofluorobenzene (4-BFB)	0.0980	0.0947	mg/L	1	0.1	98	95	75.6 - 129

[3]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[4]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[5]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[6]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[7]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[8]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[9]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[10]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.

Standard (CCV-2)

QC Batch: 67465 Date Analyzed: 2010-02-11 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0952	95	80 - 120	2010-02-11
Toluene		mg/L	0.100	0.0937	94	80 - 120	2010-02-11
Ethylbenzene		mg/L	0.100	0.0936	94	80 - 120	2010-02-11
Xylene		mg/L	0.300	0.289	96	80 - 120	2010-02-11

Standard (CCV-3)

QC Batch: 67465 Date Analyzed: 2010-02-11 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.104	104	80 - 120	2010-02-11
Toluene		mg/L	0.100	0.104	104	80 - 120	2010-02-11
Ethylbenzene		mg/L	0.100	0.105	105	80 - 120	2010-02-11
Xylene		mg/L	0.300	0.322	107	80 - 120	2010-02-11

Standard (CCV-1)

QC Batch: 67466 Date Analyzed: 2010-02-11 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.104	104	80 - 120	2010-02-11
Toluene		mg/L	0.100	0.103	103	80 - 120	2010-02-11
Ethylbenzene		mg/L	0.100	0.104	104	80 - 120	2010-02-11
Xylene		mg/L	0.300	0.320	107	80 - 120	2010-02-11

Standard (CCV-2)

QC Batch: 67466 Date Analyzed: 2010-02-11 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.103	103	80 - 120	2010-02-11
Toluene		mg/L	0.100	0.102	102	80 - 120	2010-02-11
Ethylbenzene		mg/L	0.100	0.104	104	80 - 120	2010-02-11
Xylene		mg/L	0.300	0.319	106	80 - 120	2010-02-11

LAB Order ID # 10021112

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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

Company Name: Premier Environmental Services
Phone #: 281 240 5200
Address: (Street, City, Zip) 4000 Sugar Grove Blvd Stafford Tx 77477
Fax #: 281 240 5201
Contact Person: Chris Patel
E-mail: cpatel@premiercorp-usa.com
Invoice to: (If different from above) Plains All American ENV. Accounts Payable
Project #: 205071
Project Name: D5 Hugh
Project Location (including state): Lea Co NM
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, SO4, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC			Turn Around Time if different from standard	Hold
22048	mw 2	3	40 ml	X				X				X		2-9	0000		X																				
049	mw 3																																				
050	mw 4																																				
051	mw 5																																				
052	mw 6																																				
053	mw 7																																				

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Chris Patel	Premier	2-10	1515		Trace	2/10/10	15:15	INST ___ OBS 4.0 °C COR ___ °C
				Received by:	Company:	Date:	Time:	INST ___ OBS ___ °C COR ___ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	Trace	2/10/10	17:00					
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
				Carol Fox	Trace LBK	2-11-10	11:55 Am	INST IR OBS 4.1 °C COR 4.5 °C

LAB USE ONLY
Intact (Y) / N
Headspace Y / N / NA
Log-in-Review

REMARKS: Please Send to Trace in Lubbock

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

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Carrier (LS ZJ572918)

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

16-Jun-2010

Chan Patel
Premier Environmental Services
4800 Sugar Grove Blvd.
Suite 390
Houston, TX 77477

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

Re: DS Hugh

Work Order: **1005476**

Dear Chan,

ALS Laboratory Group received 8 samples on 17-May-2010 10:15 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 34.

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

Sincerely,

J ay L ynn F Thibault

Electronically approved by: Tiffany Van

JayLynn F Thibault
Project Manager

Certificate No: TX: T104704231-10-3

ALS Laboratory Group

Date: 16-Jun-10

Client: Premier Environmental Services
Project: DS Hugh
Work Order: **1005476**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1005476-01	MW1	Water		5/12/2010 17:00	5/17/2010 10:15	☐
1005476-02	MW2	Water		5/12/2010 16:20	5/17/2010 10:15	☐
1005476-03	MW3	Water		5/12/2010 16:25	5/17/2010 10:15	☐
1005476-04	MW4	Water		5/12/2010 16:35	5/17/2010 10:15	☐
1005476-05	MW5	Water		5/12/2010 16:30	5/17/2010 10:15	☐
1005476-06	MW6	Water		5/12/2010 16:50	5/17/2010 10:15	☐
1005476-07	MW7	Water		5/12/2010 16:40	5/17/2010 10:15	☐
1005476-08	Trip Blank	Water		5/12/2010	5/17/2010 10:15	☐

ALS Laboratory Group

Date: 16-Jun-10

Client: Premier Environmental Services
Project: DS Hugh
Work Order: 1005476

Case Narrative

Batch 43013 TPH (sample 1005465-01) MS/MSD unrelated sample.

Batch 43061 PAHs (sample 1005476-01) Int stds naphthalene-d8, phenanthrene-d10, chrysene-d12 and perylene-d12 have low area counts. Reanalysis confirms matrix interference.

ALS Laboratory Group

Date: *16-Jun-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW1
Collection Date: 5/12/2010 05:00 PM

Work Order: 1005476
Lab ID: 1005476-01
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL TEXAS TPH		Method:**TX1005**			Prep: TX1005PR / 5/17/10		Analyst: **KMB**
nC6 to nC12	**40**		**0.19**	**0.47**	**mg/L**	1	5/23/2010 13:35
>nC12 to nC28	**82**		**0.19**	**0.47**	**mg/L**	1	5/23/2010 13:35
>nC28 to nC35	**12**		**0.19**	**0.47**	**mg/L**	1	5/23/2010 13:35
Total Petroleum Hydrocarbon	**134**		**0.19**	**0.47**	**mg/L**	1	5/23/2010 13:35
Surr: 2-Fluorobiphenyl	*129*			*70-130*	*%REC*	1	5/23/2010 13:35
Surr: Trifluoromethyl benzene	*102*			*70-130*	*%REC*	1	5/23/2010 13:35
BTEX		Method:**SW8021B**					Analyst: **KKP**
Benzene	**0.45**		**0.010**	**0.050**	**mg/L**	50	5/21/2010 19:13
Toluene	**0.68**		**0.010**	**0.050**	**mg/L**	50	5/21/2010 19:13
Ethylbenzene	**0.30**		**0.010**	**0.050**	**mg/L**	50	5/21/2010 19:13
Xylenes, Total	**0.84**		**0.035**	**0.15**	**mg/L**	50	5/21/2010 19:13
Surr: 4-Bromofluorobenzene	*101*			*77-129*	*%REC*	50	5/21/2010 19:13
Surr: Trifluorotoluene	*92.1*			*75-130*	*%REC*	50	5/21/2010 19:13
LOW-LEVEL PAHS		Method:**SW8270**			Prep: SW3510 / 5/19/10		Analyst: **LG**
Acenaphthene	**0.0037**		**0.000090**	**0.00020**	**mg/L**	1	5/22/2010 03:49
Acenaphthylene	U		0.000070	0.00020	mg/L	1	5/22/2010 03:49
Anthracene	U		0.000070	0.00020	mg/L	1	5/22/2010 03:49
Benz(a)anthracene	U		0.000070	0.00020	mg/L	1	5/22/2010 03:49
Benzo(a)pyrene	U		0.000080	0.00020	mg/L	1	5/22/2010 03:49
Benzo(b)fluoranthene	U		0.000090	0.00020	mg/L	1	5/22/2010 03:49
Benzo(g,h,i)perylene	U		0.000090	0.00020	mg/L	1	5/22/2010 03:49
Benzo(k)fluoranthene	U		0.00010	0.00020	mg/L	1	5/22/2010 03:49
Chrysene	**0.00078**		**0.000070**	**0.00020**	**mg/L**	1	5/22/2010 03:49
Dibenz(a,h)anthracene	U		0.000080	0.00020	mg/L	1	5/22/2010 03:49
Fluoranthene	U		0.000070	0.00020	mg/L	1	5/22/2010 03:49
Fluorene	**0.0022**		**0.000070**	**0.00020**	**mg/L**	1	5/22/2010 03:49
Indeno(1,2,3-cd)pyrene	U		0.00010	0.00020	mg/L	1	5/22/2010 03:49
Naphthalene	**0.047**		**0.00050**	**0.0010**	**mg/L**	5	5/24/2010 22:25
Phenanthrene	**0.0067**		**0.000070**	**0.00020**	**mg/L**	1	5/22/2010 03:49
Pyrene	U		0.000070	0.00020	mg/L	1	5/22/2010 03:49
Surr: 2-Fluorobiphenyl	*46.7*			*40-125*	*%REC*	1	5/22/2010 03:49
Surr: 2-Fluorobiphenyl	*88.3*			*40-125*	*%REC*	5	5/24/2010 22:25
Surr: 4-Terphenyl-d14	*59.8*			*40-135*	*%REC*	1	5/22/2010 03:49
Surr: 4-Terphenyl-d14	*85.8*			*40-135*	*%REC*	5	5/24/2010 22:25
Surr: Nitrobenzene-d5	*52.7*			*41-120*	*%REC*	1	5/22/2010 03:49
Surr: Nitrobenzene-d5	*114*			*41-120*	*%REC*	5	5/24/2010 22:25
LOW-LEVEL SEMIVOLATILES		Method:**SW8270**			Prep: SW3510 / 5/19/10		Analyst: **LG**

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

ALS Laboratory Group

Date: *16-Jun-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW1
Collection Date: 5/12/2010 05:00 PM

Work Order: 1005476
Lab ID: 1005476-01
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
1-Methylnaphthalene	0.061	n	0.0018	0.0040	mg/L	20	6/15/2010 20:42
2-Methylnaphthalene	0.076		0.0014	0.0040	mg/L	20	6/15/2010 20:42
Dibenzofuran	0.0032		0.000080	0.00020	mg/L	1	5/22/2010 03:49

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

ALS Laboratory Group

Date: *16-Jun-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW2
Collection Date: 5/12/2010 04:20 PM

Work Order: 1005476
Lab ID: 1005476-02
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	**0.00077**	J	**0.00020**	**0.0010**	**mg/L**	1	5/21/2010 12:23
Toluene	U		0.00020	0.0010	mg/L	1	5/21/2010 12:23
Ethylbenzene	**0.00039**	J	**0.00020**	**0.0010**	**mg/L**	1	5/21/2010 12:23
Xylenes, Total	U		0.00070	0.0030	mg/L	1	5/21/2010 12:23
Surr: 4-Bromofluorobenzene	*99.6*			*77-129*	*%REC*	1	5/21/2010 12:23
Surr: Trifluorotoluene	*89.0*			*75-130*	*%REC*	1	5/21/2010 12:23

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

ALS Laboratory Group

Date: *16-Jun-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW3
Collection Date: 5/12/2010 04:25 PM

Work Order: 1005476
Lab ID: 1005476-03
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	**0.0012**		**0.00020**	**0.0010**	**mg/L**	1	5/21/2010 00:27
Toluene	U		0.00020	0.0010	mg/L	1	5/21/2010 00:27
Ethylbenzene	**0.00049**	J	**0.00020**	**0.0010**	**mg/L**	1	5/21/2010 00:27
Xylenes, Total	**0.00088**	J	**0.00070**	**0.0030**	**mg/L**	1	5/21/2010 00:27
Surr: 4-Bromofluorobenzene	*98.3*			*77-129*	*%REC*	1	5/21/2010 00:27
Surr: Trifluorotoluene	*92.0*			*75-130*	*%REC*	1	5/21/2010 00:27

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

ALS Laboratory Group

Date: *16-Jun-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW4
Collection Date: 5/12/2010 04:35 PM

Work Order: 1005476
Lab ID: 1005476-04
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	**0.11**		**0.0020**	**0.010**	**mg/L**	10	5/22/2010 02:53
Toluene	**0.045**		**0.0020**	**0.010**	**mg/L**	10	5/22/2010 02:53
Ethylbenzene	**0.14**		**0.0020**	**0.010**	**mg/L**	10	5/22/2010 02:53
Xylenes, Total	**0.40**		**0.0070**	**0.030**	**mg/L**	10	5/22/2010 02:53
Surr: 4-Bromofluorobenzene	*100*			*77-129*	*%REC*	10	5/22/2010 02:53
Surr: Trifluorotoluene	*117*			*75-130*	*%REC*	10	5/22/2010 02:53

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

ALS Laboratory Group

Date: *16-Jun-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW5
Collection Date: 5/12/2010 04:30 PM

Work Order: 1005476
Lab ID: 1005476-05
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	**0.00058**	J	**0.00020**	**0.0010**	**mg/L**	1	5/21/2010 12:40
Toluene	U		0.00020	0.0010	mg/L	1	5/21/2010 12:40
Ethylbenzene	**0.00042**	J	**0.00020**	**0.0010**	**mg/L**	1	5/21/2010 12:40
Xylenes, Total	**0.0010**	J	**0.00070**	**0.0030**	**mg/L**	1	5/21/2010 12:40
Surr: 4-Bromofluorobenzene	*102*			*77-129*	*%REC*	1	5/21/2010 12:40
Surr: Trifluorotoluene	*97.7*			*75-130*	*%REC*	1	5/21/2010 12:40

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

ALS Laboratory Group

Date: *16-Jun-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW6
Collection Date: 5/12/2010 04:50 PM

Work Order: 1005476
Lab ID: 1005476-06
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	U		0.00020	0.0010	mg/L	1	5/21/2010 02:25
Toluene	U		0.00020	0.0010	mg/L	1	5/21/2010 02:25
Ethylbenzene	U		0.00020	0.0010	mg/L	1	5/21/2010 02:25
Xylenes, Total	U		0.00070	0.0030	mg/L	1	5/21/2010 02:25
Surr: 4-Bromofluorobenzene	*99.8*			*77-129*	*%REC*	1	5/21/2010 02:25
Surr: Trifluorotoluene	*92.6*			*75-130*	*%REC*	1	5/21/2010 02:25

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

ALS Laboratory Group

Date: *16-Jun-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW7
Collection Date: 5/12/2010 04:40 PM

Work Order: 1005476
Lab ID: 1005476-07
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	**0.0017**		**0.00020**	**0.0010**	**mg/L**	1	5/21/2010 02:42
Toluene	U		0.00020	0.0010	mg/L	1	5/21/2010 02:42
Ethylbenzene	**0.00079**	J	**0.00020**	**0.0010**	**mg/L**	1	5/21/2010 02:42
Xylenes, Total	**0.0019**	J	**0.00070**	**0.0030**	**mg/L**	1	5/21/2010 02:42
Surr: 4-Bromofluorobenzene	*99.0*			*77-129*	*%REC*	1	5/21/2010 02:42
Surr: Trifluorotoluene	*91.4*			*75-130*	*%REC*	1	5/21/2010 02:42

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

ALS Laboratory Group

Date: *16-Jun-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: Trip Blank
Collection Date: 5/12/2010

Work Order: 1005476
Lab ID: 1005476-08
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	U		0.00020	0.0010	mg/L	1	5/21/2010 02:58
Toluene	U		0.00020	0.0010	mg/L	1	5/21/2010 02:58
Ethylbenzene	U		0.00020	0.0010	mg/L	1	5/21/2010 02:58
Xylenes, Total	U		0.00070	0.0030	mg/L	1	5/21/2010 02:58
Surr: 4-Bromofluorobenzene	*97.7*			*77-129*	*%REC*	1	5/21/2010 02:58
Surr: Trifluorotoluene	*91.4*			*75-130*	*%REC*	1	5/21/2010 02:58

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

ALS Laboratory Group

Date: 16-Jun-10

WorkOrder: 1005476
Test Code: 8270_LL_PAH_W
Test Number: SW8270
Test Name: Low-Level PAHs

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Acenaphthene	83-32-9	0.00009	0.0002
A	Acenaphthylene	208-96-8	0.00007	0.0002
A	Anthracene	120-12-7	0.00007	0.0002
A	Benz(a)anthracene	56-55-3	0.00007	0.0002
A	Benzo(a)pyrene	50-32-8	0.00008	0.0002
A	Benzo(b)fluoranthene	205-99-2	0.00009	0.0002
A	Benzo(g,h,i)perylene	191-24-2	0.00009	0.0002
A	Benzo(k)fluoranthene	207-08-9	0.0001	0.0002
A	Chrysene	218-01-9	0.00007	0.0002
A	Dibenz(a,h)anthracene	53-70-3	0.00008	0.0002
A	Fluoranthene	206-44-0	0.00007	0.0002
A	Fluorene	86-73-7	0.00007	0.0002
A	Indeno(1,2,3-cd)pyrene	193-39-5	0.0001	0.0002
A	Naphthalene	91-20-3	0.0001	0.0002
A	Phenanthrene	85-01-8	0.00007	0.0002
A	Pyrene	129-00-0	0.00007	0.0002
S	Surr: 2-Fluorobiphenyl	321-60-8	0	0.0002
S	Surr: 4-Terphenyl-d14	1718-51-0	0	0.0002
S	Surr: Nitrobenzene-d5	4165-60-0	0	0.0002

WorkOrder: 1005476
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	MDL	Unadjusted MQL
A	1-Methylnaphthalene	90-12-0	0.00009	0.0002
A	2-Methylnaphthalene	91-57-6	0.00007	0.0002
A	Dibenzofuran	132-64-9	0.00008	0.0002

WorkOrder: 1005476
Test Code: BTEX_W
Test Number: SW8021B
Test Name: BTEX

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Benzene	71-43-2	0.0002	0.001
A	Ethylbenzene	100-41-4	0.0002	0.001
A	Toluene	108-88-3	0.0002	0.001
M	Xylenes, Total	1330-20-7	0.0007	0.003
S	Surr: 4-Bromofluorobenzene	460-00-4	0.0002	0.001
S	Surr: Trifluorotoluene	98-08-8	0.0002	0.001

WorkOrder: 1005476
Test Code: TX1005_W_Low
Test Number: TX1005
Test Name: Low-level Texas TPH

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	MDL	Unadjusted MQL
A	>nC12 to nC28	TPHDRO	0.2	0.5
A	>nC28 to nC35	10W40MOTO	0.2	0.5
A	nC6 to nC12	TPHGRO	0.2	0.5
M	Total Petroleum Hydrocarbon	TPH	0.2	0.5
S	Surr: 2-Fluorobiphenyl	321-60-8	0	0
S	Surr: Trifluoromethyl benzene	98-08-8	0	0

ALS Laboratory Group

Date: 16-Jun-10

Client: Premier Environmental Services

Work Order: 1005476

Project: DS Hugh

QC BATCH REPORT

Batch ID: **43013** Instrument ID **FID-10** Method: **TX1005**

MBLK Sample ID: **FLBLKW2-100517-43013** Units: **mg/L** Analysis Date: **5/22/2010 12:14 PM**

Client ID: Run ID: **FID-10_100517B** SeqNo: **1968794** Prep Date: **5/17/2010** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	U	0.50								
>nC12 to nC28	U	0.50								
>nC28 to nC35	U	0.50								
Total Petroleum Hydrocarbon	U	0.50								
Surr: 2-Fluorobiphenyl	*2.458*	0	*2.5*	0	*98.3*	*70-130*	0			
Surr: Trifluoromethyl benzene	*2.556*	0	*2.5*	0	*102*	*70-130*	0			

LCS Sample ID: **FLCSW2-100517-43013** Units: **mg/L** Analysis Date: **5/22/2010 12:45 PM**

Client ID: Run ID: **FID-10_100517B** SeqNo: **1968795** Prep Date: **5/17/2010** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	25.8	0.50	25	0	103	75-125	0			
>nC12 to nC28	25.51	0.50	25	0	102	75-125	0			
Surr: 2-Fluorobiphenyl	*3.06*	0	*2.5*	0	*122*	*70-130*	0			
Surr: Trifluoromethyl benzene	2.27	0	2.5	0	*90.8*	*70-130*	0			

LCSD Sample ID: **FLCSDW2-100517-43013** Units: **mg/L** Analysis Date: **5/22/2010 01:17 PM**

Client ID: Run ID: **FID-10_100517B** SeqNo: **1968796** Prep Date: **5/17/2010** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	26.42	0.50	25	0	106	75-125	25.8	2.4	20	
>nC12 to nC28	27.02	0.50	25	0	108	75-125	25.51	5.75	20	
Surr: 2-Fluorobiphenyl	*2.944*	0	*2.5*	0	*118*	*70-130*	3.06	*3.86*	*20*	
Surr: Trifluoromethyl benzene	*2.42*	0	*2.5*	0	*96.8*	*70-130*	2.27	*6.41*	*20*	

MS Sample ID: **1005465-01BMS** Units: **mg/L** Analysis Date: **5/22/2010 02:19 PM**

Client ID: Run ID: **FID-10_100517B** SeqNo: **1968798** Prep Date: **5/17/2010** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	185.7	0.48	24.19	154.2	130	75-125	0			SO
>nC12 to nC28	276.6	0.48	24.19	252	102	75-125	0			EO
Surr: 2-Fluorobiphenyl	*3.637*	0	*2.419*	0	*150*	*70-130*	0			*S*
Surr: Trifluoromethyl benzene	*1.729*	0	*2.419*	0	*71.5*	*70-130*	0			

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

Client: Premier Environmental Services
Work Order: 1005476
Project: DS Hugh

QC BATCH REPORT

Batch ID: **43013** Instrument ID **FID-10** Method: **TX1005**

MSD Sample ID: **1005465-01BMSD** Units: **mg/L** Analysis Date: **5/24/2010 11:39 AM**

Client ID: Run ID: **FID-10_100517B** SeqNo: **1969146** Prep Date: **5/17/2010** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	190.6	0.49	24.45	154.2	149	75-125	185.7	2.62	20	SO
>nC12 to nC28	278.3	0.49	24.45	252	107	75-125	276.6	0.602	20	EO
Surr: 2-Fluorobiphenyl	*3.712*	0	*2.445*	0	*152*	*70-130*	3.637	*2.05*	*20*	*S*
Surr: Trifluoromethyl benzene	*1.903*	0	*2.445*	0	*77.8*	*70-130*	1.729	*9.6*	*20*	

The following samples were analyzed in this batch: 1005476-01B

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

Client: Premier Environmental Services
Work Order: 1005476
Project: DS Hugh

QC BATCH REPORT

Batch ID: **R91351** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **MEOHW2-052010-R91351** Units: **µg/L** Analysis Date: **5/20/2010 07:01 PM**
Client ID: Run ID: **BTEX1_100520B** SeqNo: **1967700** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*28.81*	1.0	*30*	0	*96*	*77-129*	0			
Surr: Trifluorotoluene	*27.64*	1.0	*30*	0	*92.1*	*75-130*	0			

MBLK Sample ID: **BBLKW2-052010-R91351** Units: **µg/L** Analysis Date: **5/20/2010 07:18 PM**
Client ID: Run ID: **BTEX1_100520B** SeqNo: **1967701** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*28.86*	1.0	*30*	0	*96.2*	*77-129*	0			
Surr: Trifluorotoluene	*25.9*	1.0	*30*	0	*86.3*	*75-130*	0			

LCS Sample ID: **BLCSW2-052010-R91351** Units: **µg/L** Analysis Date: **5/20/2010 06:35 PM**
Client ID: Run ID: **BTEX1_100520B** SeqNo: **1967699** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.14	1.0	20	0	101	77-126	0			
Toluene	18.83	1.0	20	0	94.2	80-124	0			
Ethylbenzene	19.11	1.0	20	0	95.6	76-125	0			
Xylenes, Total	57.28	3.0	60	0	95.5	79-124	0			
Surr: 4-Bromofluorobenzene	*28.9*	1.0	*30*	0	*96.3*	*77-129*	0			
Surr: Trifluorotoluene	*26.97*	1.0	*30*	0	*89.9*	*75-130*	0			

MS Sample ID: **1005476-03AMS** Units: **µg/L** Analysis Date: **5/21/2010 12:44 AM**
Client ID: **MW3** Run ID: **BTEX1_100520B** SeqNo: **1967717** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	24.22	1.0	20	1.247	115	77-126	0			
Toluene	21.72	1.0	20	0	109	80-124	0			
Ethylbenzene	21.29	1.0	20	0.4937	104	76-125	0			
Xylenes, Total	63.24	3.0	60	0.88	104	79-124	0			
Surr: 4-Bromofluorobenzene	*29.68*	1.0	*30*	0	*98.9*	*77-129*	0			
Surr: Trifluorotoluene	*28.92*	1.0	*30*	0	*96.4*	*75-130*	0			

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

Client: Premier Environmental Services
Work Order: 1005476
Project: DS Hugh

QC BATCH REPORT

Batch ID: **R91351** Instrument ID **BTEX1** Method: **SW8021B**

MSD Sample ID: **1005476-03AMSD** Units: **µg/L** Analysis Date: **5/21/2010 01:01 AM**

Client ID: **MW3** Run ID: **BTEX1_100520B** SeqNo: **1967718** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	24.25	1.0	20	1.247	115	77-126	24.22	0.136	20	
Toluene	21.77	1.0	20	0	109	80-124	21.72	0.232	20	
Ethylbenzene	21.44	1.0	20	0.4937	105	76-125	21.29	0.694	20	
Xylenes, Total	63.21	3.0	60	0.88	104	79-124	63.24	0.0461	20	
Surr: 4-Bromofluorobenzene	*30.52*	1.0	*30*	0	*102*	*77-129*	29.68	*2.79*	*20*	
Surr: Trifluorotoluene	*28.75*	1.0	*30*	0	*95.8*	*75-130*	28.92	*0.589*	*20*	

The following samples were analyzed in this batch:

1005476-02A	1005476-03A	1005476-04A
1005476-05A	1005476-06A	1005476-07A
1005476-08A		

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

Client: Premier Environmental Services
Work Order: 1005476
Project: DS Hugh

QC BATCH REPORT

Batch ID: **R91353** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **MEOHW3-052010-R91353** Units: **µg/L** Analysis Date: **5/21/2010 04:22 AM**
Client ID: Run ID: **BTEX1_100520C** SeqNo: **1967731** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	29.58	1.0	30	0	98.6	77-129	0			
Surr: Trifluorotoluene	27.79	1.0	30	0	92.6	75-130	0			

MBLK Sample ID: **BBLKW3-052010-R91353** Units: **µg/L** Analysis Date: **5/21/2010 04:39 AM**
Client ID: Run ID: **BTEX1_100520C** SeqNo: **1967732** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	29.17	1.0	30	0	97.2	77-129	0			
Surr: Trifluorotoluene	26.47	1.0	30	0	88.2	75-130	0			

LCS Sample ID: **BLCSW3-052010-R91353** Units: **µg/L** Analysis Date: **5/21/2010 04:06 AM**
Client ID: Run ID: **BTEX1_100520C** SeqNo: **1967730** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.24	1.0	20	0	111	77-126	0			
Toluene	20.32	1.0	20	0	102	80-124	0			
Ethylbenzene	20.04	1.0	20	0	100	76-125	0			
Xylenes, Total	58.76	3.0	60	0	97.9	79-124	0			
Surr: 4-Bromofluorobenzene	30.25	1.0	30	0	101	77-129	0			
Surr: Trifluorotoluene	29.01	1.0	30	0	96.7	75-130	0			

MS Sample ID: **1005475-11AMS** Units: **µg/L** Analysis Date: **5/21/2010 11:19 AM**
Client ID: Run ID: **BTEX1_100520C** SeqNo: **1967752** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	23.77	1.0	20	0	119	77-126	0			
Toluene	21.78	1.0	20	0	109	80-124	0			
Ethylbenzene	20.21	1.0	20	0	101	76-125	0			
Xylenes, Total	59.22	3.0	60	0	98.7	79-124	0			
Surr: 4-Bromofluorobenzene	29.61	1.0	30	0	98.7	77-129	0			
Surr: Trifluorotoluene	33.49	1.0	30	0	112	75-130	0			

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

Client: Premier Environmental Services
Work Order: 1005476
Project: DS Hugh

QC BATCH REPORT

Batch ID: **R91353** Instrument ID **BTEX1** Method: **SW8021B**

MSD Sample ID: **1005475-11AMSD** Units: **µg/L** Analysis Date: **5/21/2010 11:36 AM**

Client ID: Run ID: **BTEX1_100520C** SeqNo: **1967753** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.06	1.0	20	0	100	77-126	23.77	16.9	20	
Toluene	18.51	1.0	20	0	92.6	80-124	21.78	16.2	20	
Ethylbenzene	18.09	1.0	20	0	90.4	76-125	20.21	11.1	20	
Xylenes, Total	54.07	3.0	60	0	90.1	79-124	59.22	9.09	20	
Surr: 4-Bromofluorobenzene	*30.04*	1.0	*30*	0	*100*	*77-129*	29.61	*1.47*	*20*	
Surr: Trifluorotoluene	*28.47*	1.0	*30*	0	*94.9*	*75-130*	33.49	*16.2*	*20*	

The following samples were analyzed in this batch: 1005476-02A 1005476-05A

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

Client: Premier Environmental Services
Work Order: 1005476
Project: DS Hugh

QC BATCH REPORT

Batch ID: **R91357** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **MEOHW1-052110-R91357** Units: **µg/L** Analysis Date: **5/21/2010 03:01 PM**
Client ID: Run ID: **BTEX1_100521A** SeqNo: **1967828** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*29.19*	1.0	*30*	0	*97.3*	*77-129*	0			
Surr: Trifluorotoluene	*26.91*	1.0	*30*	0	*89.7*	*75-130*	0			

MBLK Sample ID: **BBLKW1-052110-R91357** Units: **µg/L** Analysis Date: **5/21/2010 03:18 PM**
Client ID: Run ID: **BTEX1_100521A** SeqNo: **1967829** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*29.73*	1.0	*30*	0	*99.1*	*77-129*	0			
Surr: Trifluorotoluene	*26.49*	1.0	*30*	0	*88.3*	*75-130*	0			

LCS Sample ID: **BLCSW1-052110-R91357** Units: **µg/L** Analysis Date: **5/21/2010 02:21 PM**
Client ID: Run ID: **BTEX1_100521A** SeqNo: **1967827** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.43	1.0	20	0	102	77-126	0			
Toluene	19.44	1.0	20	0	97.2	80-124	0			
Ethylbenzene	19.28	1.0	20	0	96.4	76-125	0			
Xylenes, Total	58.09	3.0	60	0	96.8	79-124	0			
Surr: 4-Bromofluorobenzene	*31.54*	1.0	*30*	0	*105*	*77-129*	0			
Surr: Trifluorotoluene	*28.94*	1.0	*30*	0	*96.5*	*75-130*	0			

MS Sample ID: **1005596-01AMS** Units: **µg/L** Analysis Date: **5/21/2010 06:03 PM**
Client ID: Run ID: **BTEX1_100521A** SeqNo: **1967856** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.51	1.0	20	0	103	77-126	0			
Toluene	19.53	1.0	20	0	97.7	80-124	0			
Ethylbenzene	18.93	1.0	20	0	94.6	76-125	0			
Xylenes, Total	57.15	3.0	60	0	95.2	79-124	0			
Surr: 4-Bromofluorobenzene	*31*	1.0	*30*	0	*103*	*77-129*	0			
Surr: Trifluorotoluene	*28*	1.0	*30*	0	*93.3*	*75-130*	0			

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

Client: Premier Environmental Services
Work Order: 1005476
Project: DS Hugh

QC BATCH REPORT

Batch ID: **R91357** Instrument ID **BTEX1** Method: **SW8021B**

MSD Sample ID: **1005596-01AMSD** Units: **µg/L** Analysis Date: **5/21/2010 06:20 PM**

Client ID: Run ID: **BTEX1_100521A** SeqNo: **1967857** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.21	1.0	20	0	101	77-126	20.51	1.46	20	
Toluene	19.11	1.0	20	0	95.5	80-124	19.53	2.19	20	
Ethylbenzene	18.49	1.0	20	0	92.5	76-125	18.93	2.33	20	
Xylenes, Total	56.16	3.0	60	0	93.6	79-124	57.15	1.75	20	
Surr: 4-Bromofluorobenzene	*30.87*	1.0	*30*	0	*103*	*77-129*	31	*0.396*	*20*	
Surr: Trifluorotoluene	*28.2*	1.0	*30*	0	*94*	*75-130*	28	*0.717*	*20*	

The following samples were analyzed in this batch: 1005476-01A

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

Client: Premier Environmental Services
Work Order: 1005476
Project: DS Hugh

QC BATCH REPORT

Batch ID: **R91372** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **MEOHW2-052110-R91372** Units: **µg/L** Analysis Date: **5/22/2010 12:10 AM**
Client ID: Run ID: **BTEX1_100521B** SeqNo: **1968147** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*29.34*	1.0	*30*	0	*97.8*	*77-129*	0			
Surr: Trifluorotoluene	*31.93*	1.0	*30*	0	*106*	*75-130*	0			

MBLK Sample ID: **BBLKW2-052110-R91372** Units: **µg/L** Analysis Date: **5/22/2010 12:30 AM**
Client ID: Run ID: **BTEX1_100521B** SeqNo: **1968148** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*29.08*	1.0	*30*	0	*96.9*	*77-129*	0			
Surr: Trifluorotoluene	*30.22*	1.0	*30*	0	*101*	*75-130*	0			

LCS Sample ID: **BLCSW2-052110-R91372** Units: **µg/L** Analysis Date: **5/21/2010 11:50 PM**
Client ID: Run ID: **BTEX1_100521B** SeqNo: **1968146** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.2	1.0	20	0	101	77-126	0			
Toluene	18.2	1.0	20	0	91	80-124	0			
Ethylbenzene	17.23	1.0	20	0	86.2	76-125	0			
Xylenes, Total	51.18	3.0	60	0	85.3	79-124	0			
Surr: 4-Bromofluorobenzene	*30.91*	1.0	*30*	0	*103*	*77-129*	0			
Surr: Trifluorotoluene	*32.5*	1.0	*30*	0	*108*	*75-130*	0			

MS Sample ID: **1005335-14AMS** Units: **µg/L** Analysis Date: **5/22/2010 01:11 AM**
Client ID: Run ID: **BTEX1_100521B** SeqNo: **1968150** Prep Date: DF: **100**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	7778	100	2000	5297	124	77-126	0			
Toluene	2073	100	2000	63.32	100	80-124	0			
Ethylbenzene	2058	100	2000	133.5	96.2	76-125	0			
Xylenes, Total	5838	300	6000	160.4	94.6	79-124	0			
Surr: 4-Bromofluorobenzene	*2996*	100	*3000*	0	*99.9*	*77-129*	0			
Surr: Trifluorotoluene	*3536*	100	*3000*	0	*118*	*75-130*	0			

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

Client: Premier Environmental Services
Work Order: 1005476
Project: DS Hugh

QC BATCH REPORT

Batch ID: **R91372** Instrument ID **BTEX1** Method: **SW8021B**

MSD Sample ID: **1005335-14AMSD** Units: **µg/L** Analysis Date: **5/22/2010 01:31 AM**

Client ID: Run ID: **BTEX1_100521B** SeqNo: **1968151** Prep Date: DF: **100**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	7259	100	2000	5297	98.1	77-126	7778	6.9	20	
Toluene	2004	100	2000	63.32	97	80-124	2073	3.4	20	
Ethylbenzene	1990	100	2000	133.5	92.8	76-125	2058	3.35	20	
Xylenes, Total	5655	300	6000	160.4	91.6	79-124	5838	3.17	20	
Surr: 4-Bromofluorobenzene	*2993*	100	*3000*	0	*99.8*	*77-129*	2996	*0.0762*	*20*	
Surr: Trifluorotoluene	*3585*	100	*3000*	0	*119*	*75-130*	3536	*1.39*	*20*	

The following samples were analyzed in this batch: 1005476-04A

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

Client: Premier Environmental Services
Work Order: 1005476
Project: DS Hugh

QC BATCH REPORT

Batch ID: **43061** Instrument ID **SV-4** Method: **SW8270**

MBLK Sample ID: **SBLKW2-100519-43061** Units: **µg/L** Analysis Date: **5/21/2010 12:41 PM**
Client ID: Run ID: **SV-4_100521B** SeqNo: **1969782** Prep Date: **5/19/2010** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	U	0.20								
2-Methylnaphthalene	U	0.20								
Acenaphthene	U	0.20								
Acenaphthylene	U	0.20								
Anthracene	U	0.20								
Benz(a)anthracene	U	0.20								
Benzo(a)pyrene	U	0.20								
Benzo(b)fluoranthene	U	0.20								
Benzo(g,h,i)perylene	U	0.20								
Benzo(k)fluoranthene	U	0.20								
Chrysene	U	0.20								
Dibenz(a,h)anthracene	U	0.20								
Dibenzofuran	U	0.20								
Fluoranthene	U	0.20								
Fluorene	U	0.20								
Indeno(1,2,3-cd)pyrene	U	0.20								
Naphthalene	U	0.20								
Phenanthrene	U	0.20								
Pyrene	U	0.20								
Surr: 2-Fluorobiphenyl	*3.745*	0.20	*5*	0	*74.9*	*40-125*	0			
Surr: 4-Terphenyl-d14	*4.042*	0.20	*5*	0	*80.8*	*40-135*	0			
Surr: Nitrobenzene-d5	*3.69*	0.20	*5*	0	*73.8*	*41-120*	0			

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

Client: Premier Environmental Services
Work Order: 1005476
Project: DS Hugh

QC BATCH REPORT

Batch ID: **43061** Instrument ID **SV-4** Method: **SW8270**

MBLK Sample ID: **SBLKW2-100519-43061** Units: **µg/L** Analysis Date: **5/21/2010 12:41 PM**

Client ID: Run ID: **SV-4_100521B** SeqNo: **1994756** Prep Date: **5/19/2010** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	U	0.20								
2-Methylnaphthalene	U	0.20								
Acenaphthene	U	0.20								
Acenaphthylene	U	0.20								
Anthracene	U	0.20								
Benz(a)anthracene	U	0.20								
Benzo(a)pyrene	U	0.20								
Benzo(b)fluoranthene	U	0.20								
Benzo(g,h,i)perylene	U	0.20								
Benzo(k)fluoranthene	U	0.20								
Chrysene	U	0.20								
Dibenz(a,h)anthracene	U	0.20								
Dibenzofuran	U	0.20								
Fluoranthene	U	0.20								
Fluorene	U	0.20								
Indeno(1,2,3-cd)pyrene	U	0.20								
Naphthalene	U	0.20								
Phenanthrene	U	0.20								
Pyrene	U	0.20								
Surr: 2-Fluorobiphenyl	*U*	0.20								
Surr: 4-Terphenyl-d14	*U*	0.20								
Surr: Nitrobenzene-d5	*U*	0.20								

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

Client: Premier Environmental Services
Work Order: 1005476
Project: DS Hugh

QC BATCH REPORT

Batch ID: **43061** Instrument ID **SV-4** Method: **SW8270**

LCS Sample ID: **SLCSW2-100519-43061** Units: **µg/L** Analysis Date: **5/21/2010 01:02 PM**
Client ID: Run ID: **SV-4_100521B** SeqNo: **1969783** Prep Date: **5/19/2010** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	3.876	0.20	5	0	77.5	45-120	0			
Acenaphthylene	4.126	0.20	5	0	82.5	47-120	0			
Anthracene	4.12	0.20	5	0	82.4	45-120	0			
Benz(a)anthracene	4.258	0.20	5	0	85.2	40-120	0			
Benzo(a)pyrene	4.246	0.20	5	0	84.9	45-120	0			
Benzo(b)fluoranthene	4.441	0.20	5	0	88.8	50-120	0			
Benzo(g,h,i)perylene	4.198	0.20	5	0	84	42-127	0			
Benzo(k)fluoranthene	4.083	0.20	5	0	81.7	45-127	0			
Chrysene	4.108	0.20	5	0	82.2	43-120	0			
Dibenz(a,h)anthracene	4.043	0.20	5	0	80.9	45-125	0			
Fluoranthene	4.39	0.20	5	0	87.8	45-125	0			
Fluorene	4.162	0.20	5	0	83.2	49-120	0			
Indeno(1,2,3-cd)pyrene	4.483	0.20	5	0	89.7	41-128	0			
Naphthalene	3.91	0.20	5	0	78.2	45-120	0			
Phenanthrene	4.067	0.20	5	0	81.3	45-121	0			
Pyrene	4.063	0.20	5	0	81.3	40-130	0			
Surr: 2-Fluorobiphenyl	*4.013*	0.20	*5*	0	*80.3*	*40-125*	0			
Surr: 4-Terphenyl-d14	*3.793*	0.20	*5*	0	*75.9*	*40-135*	0			
Surr: Nitrobenzene-d5	*3.807*	0.20	*5*	0	*76.1*	*41-120*	0			

LCS Sample ID: **SLCSW2-100519-43061** Units: **µg/L** Analysis Date: **5/21/2010 01:02 PM**
Client ID: Run ID: **SV-4_100521B** SeqNo: **1994757** Prep Date: **5/19/2010** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.975	0.20	5	0	79.5	45-120	0			
2-Methylnaphthalene	3.879	0.20	5	0	77.6	50-120	0			
Dibenzofuran	4.11	0.20	5	0	82.2	50-120	0			

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

Client: Premier Environmental Services
Work Order: 1005476
Project: DS Hugh

QC BATCH REPORT

Batch ID: **43061** Instrument ID **SV-4** Method: **SW8270**

LCSD Sample ID: **SLCSDW2-100519-43061** Units: **µg/L** Analysis Date: **5/21/2010 01:22 PM**
Client ID: Run ID: **SV-4_100521B** SeqNo: **1969784** Prep Date: **5/19/2010** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	3.968	0.20	5	0	79.4	45-120	3.876	2.33	20	
Acenaphthylene	4.236	0.20	5	0	84.7	47-120	4.126	2.64	20	
Anthracene	4.37	0.20	5	0	87.4	45-120	4.12	5.89	20	
Benz(a)anthracene	4.391	0.20	5	0	87.8	40-120	4.258	3.06	20	
Benzo(a)pyrene	4.498	0.20	5	0	90	45-120	4.246	5.76	20	
Benzo(b)fluoranthene	4.441	0.20	5	0	88.8	50-120	4.441	0.00572	20	
Benzo(g,h,i)perylene	4.278	0.20	5	0	85.6	42-127	4.198	1.89	20	
Benzo(k)fluoranthene	3.953	0.20	5	0	79.1	45-127	4.083	3.22	20	
Chrysene	4.407	0.20	5	0	88.1	43-120	4.108	7.01	20	
Dibenz(a,h)anthracene	4.216	0.20	5	0	84.3	45-125	4.043	4.18	20	
Fluoranthene	4.519	0.20	5	0	90.4	45-125	4.39	2.88	20	
Fluorene	4.248	0.20	5	0	85	49-120	4.162	2.06	20	
Indeno(1,2,3-cd)pyrene	4.628	0.20	5	0	92.6	41-128	4.483	3.18	20	
Naphthalene	3.898	0.20	5	0	78	45-120	3.91	0.301	20	
Phenanthrene	4.239	0.20	5	0	84.8	45-121	4.067	4.14	20	
Pyrene	4.261	0.20	5	0	85.2	40-130	4.063	4.75	20	
Surr: 2-Fluorobiphenyl	*4.041*	0.20	*5*	0	*80.8*	*40-125*	4.013	*0.706*	*20*	
Surr: 4-Terphenyl-d14	*4.065*	0.20	*5*	0	*81.3*	*40-135*	3.793	*6.92*	*20*	
Surr: Nitrobenzene-d5	*3.838*	0.20	*5*	0	*76.8*	*41-120*	3.807	*0.82*	*20*	

LCSD Sample ID: **SLCSDW2-100519-43061** Units: **µg/L** Analysis Date: **5/21/2010 01:22 PM**
Client ID: Run ID: **SV-4_100521B** SeqNo: **1994758** Prep Date: **5/19/2010** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	4.1	0.20	5	0	82	45-120	3.975	3.1	20	
2-Methylnaphthalene	3.91	0.20	5	0	78.2	50-120	3.879	0.792	20	
Dibenzofuran	4.155	0.20	5	0	83.1	50-120	4.11	1.1	20	

The following samples were analyzed in this batch: 1005476-01C

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

ALS Laboratory Group

Date: 16-Jun-10

Client: Premier Environmental Services
Project: DS Hugh
WorkOrder: **1005476**

QUALIFIERS, ACRONYMS, UNITS

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

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

Units Reported	Description
mg/L	Milligrams per Liter

☐ ALS Laboratory Group
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

Chain of Custody Form

Page _____ of _____

☐ ALS Laboratory Group
3352 128th Ave.
Holland, MI 49424-9263
Tel: +1 616 399 6070
Fax: +1 616 399 6185

ALS Project Manager: | ALS Work Order #: 1105470

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	DS Hugh	A	BTEX (8021)
Work Order		Project Number		B	TPH (TX1005)
Company Name	Premier Environmental Services	Bill To Company	Plains All America, LP	C	PAHs (8270) Regular
Send Report To	Kathleen Buxton	Invoice Attn		D	
Address	4800 Sugar Grove Blvd. Suite 420	Address	c/o ENV. Accounts Payable P.O. Box 4648	E F	
City/State/Zip	Stafford, TX 77477	City/State/Zip	Houston, TX 77002	G	
Phone	(281) 240-5200	Phone	(713) 646-4610	H	
Fax	(281) 240-5201	Fax	(713) 646-4199	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	mw 1	5-12	1700	Gw	HCl	8	x	x	x								
2	mw 2		1620			3	x										
3	mw 3		1625			3											
4	mw 4		1635			3											
5	mw 5		1630			3											
6	mw 6		1650			3											
7	mw 7		1640			3											
8						3											
9						3											
10						3											

Sampler(s) Please Print & Sign: SHANE A. DILLEY

Shipment Method: FEDEX

Required Turnaround Time: (Check Box) ☐ Std 10 WK Days ☑ 5 WK Days ☐ Other ☐ 3 WK Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
S. A. Dilley	5-13	1800	
Relinquished by:	Date:	Time:	Received by (Laboratory): 5/14/10 1015
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: 5 Work Days TAT.

Cooler ID | Cooler Temp.

QC Package: (Check One Box Below)
☑ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other _____
☐ TRRP CheckList
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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

ALS Laboratory Group

Sample Receipt Checklist

Client Name: **PREMIER ENV** Date/Time Received: **17-May-10 10:15**

Work Order: **1005476** Received by: **RSZ**

Checklist completed by Raymond N Gamboa (eSignature) 17-May-10 (Date) Reviewed by: Jay L ynn F Thibault (eSignature) 18-May-10 (Date)

Matrices: Water
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.6c	002	
Cooler(s)/Kit(s):	3310		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:	-		

Login Notes: Trip blank not on COC--logged in without analysis.

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

M.O.# 1005476

FedEx Tracking Number 872356865917

Sender's Name SHANE DULER Phone 432 230 3941

Company [illegible]

Address 30 W. Industrial Loop I

Dept/Floor/Suite/Room

Midland State TX ZIP 79701

Your Internal Billing Reference 205071

ALS Environmental

07-Sep-2010

Chan Patel
Premier Environmental Services
4800 Sugar Grove Blvd.
Suite 390
Houston, TX 77477

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

Re: DS Hugh

Work Order: **1008908**

Dear Chan,

ALS Environmental received 6 samples on 28-Aug-2010 09:20 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 14.

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

Sincerely,

JayLynn F Thibault

Electronically approved by: Glenda H. Ramos

JayLynn F Thibault
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac

Certificate No: TX: T104704231-10-3

ALS Environmental

Date: 07-Sep-10

Client: Premier Environmental Services
Project: DS Hugh
Work Order: **1008908**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1008908-01	MW-2	Water		8/26/2010 10:55	8/28/2010 09:20	☐
1008908-02	MW-3	Water		8/26/2010 10:58	8/28/2010 09:20	☐
1008908-03	MW-4	Water		8/26/2010 11:04	8/28/2010 09:20	☐
1008908-04	MW-5	Water		8/26/2010 11:06	8/28/2010 09:20	☐
1008908-05	MW-6	Water		8/26/2010 11:09	8/28/2010 09:20	☐
1008908-06	MW-7	Water		8/26/2010 11:12	8/28/2010 09:20	☐

ALS Environmental

Date: *07-Sep-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW-2
Collection Date: 8/26/2010 10:55 AM

Work Order: 1008908
Lab ID: 1008908-01
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **IGF**
Benzene	ND		0.00020	0.0010	mg/L	1	8/31/2010 12:44
Toluene	ND		0.00020	0.0010	mg/L	1	8/31/2010 12:44
Ethylbenzene	ND		0.00020	0.0010	mg/L	1	8/31/2010 12:44
Xylenes, Total	ND		0.00070	0.0030	mg/L	1	8/31/2010 12:44
Surr: 4-Bromofluorobenzene	*91.0*			*77-129*	*%REC*	1	8/31/2010 12:44
Surr: Trifluorotoluene	*95.9*			*75-130*	*%REC*	1	8/31/2010 12:44

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

ALS Environmental

Date: *07-Sep-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW-3
Collection Date: 8/26/2010 10:58 AM

Work Order: 1008908
Lab ID: 1008908-02
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **IGF**
Benzene	ND		0.00020	0.0010	mg/L	1	8/31/2010 15:20
Toluene	ND		0.00020	0.0010	mg/L	1	8/31/2010 15:20
Ethylbenzene	ND		0.00020	0.0010	mg/L	1	8/31/2010 15:20
Xylenes, Total	ND		0.00070	0.0030	mg/L	1	8/31/2010 15:20
Surr: 4-Bromofluorobenzene	*89.0*			*77-129*	*%REC*	1	8/31/2010 15:20
Surr: Trifluorotoluene	*92.0*			*75-130*	*%REC*	1	8/31/2010 15:20

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

ALS Environmental

Date: *07-Sep-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW-4
Collection Date: 8/26/2010 11:04 AM

Work Order: 1008908
Lab ID: 1008908-03
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **IGF**
Benzene	**0.038**		**0.00020**	**0.0010**	**mg/L**	1	8/31/2010 16:35
Toluene	**0.034**		**0.00020**	**0.0010**	**mg/L**	1	8/31/2010 16:35
Ethylbenzene	**0.094**		**0.00020**	**0.0010**	**mg/L**	1	8/31/2010 16:35
Xylenes, Total	**0.26**		**0.0035**	**0.015**	**mg/L**	5	9/1/2010 12:24
Surr: 4-Bromofluorobenzene	*97.5*			*77-129*	*%REC*	1	8/31/2010 16:35
Surr: 4-Bromofluorobenzene	*105*			*77-129*	*%REC*	5	9/1/2010 12:24
Surr: Trifluorotoluene	*115*			*75-130*	*%REC*	1	8/31/2010 16:35
Surr: Trifluorotoluene	*96.9*			*75-130*	*%REC*	5	9/1/2010 12:24

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

ALS Environmental

Date: *07-Sep-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW-5
Collection Date: 8/26/2010 11:06 AM

Work Order: 1008908
Lab ID: 1008908-04
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **IGF**
Benzene	ND		0.00020	0.0010	mg/L	1	8/31/2010 15:39
Toluene	ND		0.00020	0.0010	mg/L	1	8/31/2010 15:39
Ethylbenzene	ND		0.00020	0.0010	mg/L	1	8/31/2010 15:39
Xylenes, Total	ND		0.00070	0.0030	mg/L	1	8/31/2010 15:39
Surr: 4-Bromofluorobenzene	*90.9*			*77-129*	*%REC*	1	8/31/2010 15:39
Surr: Trifluorotoluene	*96.1*			*75-130*	*%REC*	1	8/31/2010 15:39

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

ALS Environmental

Date: *07-Sep-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW-6
Collection Date: 8/26/2010 11:09 AM

Work Order: 1008908
Lab ID: 1008908-05
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **IGF**
Benzene	ND		0.00020	0.0010	mg/L	1	8/31/2010 15:57
Toluene	ND		0.00020	0.0010	mg/L	1	8/31/2010 15:57
Ethylbenzene	ND		0.00020	0.0010	mg/L	1	8/31/2010 15:57
Xylenes, Total	ND		0.00070	0.0030	mg/L	1	8/31/2010 15:57
Surr: 4-Bromofluorobenzene	*89.2*			*77-129*	*%REC*	1	8/31/2010 15:57
Surr: Trifluorotoluene	*94.6*			*75-130*	*%REC*	1	8/31/2010 15:57

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

ALS Environmental

Date: *07-Sep-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW-7
Collection Date: 8/26/2010 11:12 AM

Work Order: 1008908
Lab ID: 1008908-06
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **IGF**
Benzene	ND		0.00020	0.0010	mg/L	1	8/31/2010 16:16
Toluene	ND		0.00020	0.0010	mg/L	1	8/31/2010 16:16
Ethylbenzene	ND		0.00020	0.0010	mg/L	1	8/31/2010 16:16
Xylenes, Total	ND		0.00070	0.0030	mg/L	1	8/31/2010 16:16
Surr: 4-Bromofluorobenzene	*90.4*			*77-129*	*%REC*	1	8/31/2010 16:16
Surr: Trifluorotoluene	*94.7*			*75-130*	*%REC*	1	8/31/2010 16:16

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

ALS Environmental

Date: 07-Sep-10

Client: Premier Environmental Services

Work Order: 1008908

Project: DS Hugh

QC BATCH REPORT

Batch ID: **R96454** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **MEOHW1-083110-R96454** Units: **µg/L** Analysis Date: **8/31/2010 10:51 AM**

Client ID: Run ID: **BTEX1_100831A** SeqNo: **2077391** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 4-Bromofluorobenzene	*29.1*	1.0	*30*	0	*97*	*77-129*	0			
Surr: Trifluorotoluene	*30.94*	1.0	*30*	0	*103*	*75-130*	0			

MBLK Sample ID: **BBLKW1-083110-R96454** Units: **µg/L** Analysis Date: **8/31/2010 11:10 AM**

Client ID: Run ID: **BTEX1_100831A** SeqNo: **2077392** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 4-Bromofluorobenzene	*29.28*	1.0	*30*	0	*97.6*	*77-129*	0			
Surr: Trifluorotoluene	*29.86*	1.0	*30*	0	*99.5*	*75-130*	0			

LCS Sample ID: **BLCSW1-083110-R96454** Units: **µg/L** Analysis Date: **8/31/2010 11:29 AM**

Client ID: Run ID: **BTEX1_100831A** SeqNo: **2077394** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.39	1.0	20	0	86.9	77-126	0			
Toluene	18.25	1.0	20	0	91.2	80-124	0			
Ethylbenzene	18.45	1.0	20	0	92.2	76-125	0			
Xylenes, Total	56.45	3.0	60	0	94.1	79-124	0			
Surr: 4-Bromofluorobenzene	*29.45*	1.0	*30*	0	*98.2*	*77-129*	0			
Surr: Trifluorotoluene	*29.42*	1.0	*30*	0	*98.1*	*75-130*	0			

MS Sample ID: **1008902-06AMS** Units: **µg/L** Analysis Date: **8/31/2010 12:07 PM**

Client ID: Run ID: **BTEX1_100831A** SeqNo: **2077396** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.72	1.0	20	0	93.6	77-126	0			
Toluene	19.61	1.0	20	0	98.1	80-124	0			
Ethylbenzene	19.95	1.0	20	0	99.7	76-125	0			
Xylenes, Total	60.99	3.0	60	0	102	79-124	0			
Surr: 4-Bromofluorobenzene	*28.86*	1.0	*30*	0	*96.2*	*77-129*	0			
Surr: Trifluorotoluene	*28.77*	1.0	*30*	0	*95.9*	*75-130*	0			

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

Client: Premier Environmental Services
Work Order: 1008908
Project: DS Hugh

QC BATCH REPORT

Batch ID: **R96454** Instrument ID **BTEX1** Method: **SW8021B**

MSD Sample ID: **1008902-06AMSD** Units: **µg/L** Analysis Date: **8/31/2010 12:26 PM**

Client ID: Run ID: **BTEX1_100831A** SeqNo: **2077397** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.76	1.0	20	0	93.8	77-126	18.72	0.212	20	
Toluene	19.67	1.0	20	0	98.4	80-124	19.61	0.314	20	
Ethylbenzene	20.01	1.0	20	0	100	76-125	19.95	0.283	20	
Xylenes, Total	61.14	3.0	60	0	102	79-124	60.99	0.25	20	
Surr: 4-Bromofluorobenzene	*29.08*	1.0	*30*	0	*96.9*	*77-129*	28.86	*0.742*	*20*	
Surr: Trifluorotoluene	*28.98*	1.0	*30*	0	*96.6*	*75-130*	28.77	*0.735*	*20*	

The following samples were analyzed in this batch:

1008908-01A	1008908-02A	1008908-03A
1008908-04A	1008908-05A	1008908-06A

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

Client: Premier Environmental Services
Work Order: 1008908
Project: DS Hugh

QC BATCH REPORT

Batch ID: **R96593** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **BBLKW1-090110-R96593** Units: **µg/L** Analysis Date: **9/1/2010 10:31 AM**
Client ID: Run ID: **BTEX1_100901A** SeqNo: **2079943** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Xylenes, Total	ND	3.0								
Surr: 4-Bromofluorobenzene	*26.87*	1.0	*30*	0	*89.6*	*77-129*	0			
Surr: Trifluorotoluene	*28.25*	1.0	*30*	0	*94.2*	*75-130*	0			

LCS Sample ID: **BLCSW1-090110-R96593** Units: **µg/L** Analysis Date: **9/1/2010 09:53 AM**
Client ID: Run ID: **BTEX1_100901A** SeqNo: **2079937** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Xylenes, Total	55.21	3.0	60	0	92	79-124	0			
Surr: 4-Bromofluorobenzene	*28.56*	1.0	*30*	0	*95.2*	*77-129*	0			
Surr: Trifluorotoluene	*28.35*	1.0	*30*	0	*94.5*	*75-130*	0			

MS Sample ID: **1008909-10AMS** Units: **µg/L** Analysis Date: **9/1/2010 11:47 AM**
Client ID: Run ID: **BTEX1_100901A** SeqNo: **2079953** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Xylenes, Total	58.85	3.0	60	0	98.1	79-124	0			
Surr: 4-Bromofluorobenzene	*28.39*	1.0	*30*	0	*94.6*	*77-129*	0			
Surr: Trifluorotoluene	*28.25*	1.0	*30*	0	*94.2*	*75-130*	0			

MSD Sample ID: **1008909-10AMSD** Units: **µg/L** Analysis Date: **9/1/2010 12:06 PM**
Client ID: Run ID: **BTEX1_100901A** SeqNo: **2079955** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Xylenes, Total	59.56	3.0	60	0	99.3	79-124	58.85	1.2	20	
Surr: 4-Bromofluorobenzene	*28.2*	1.0	*30*	0	*94*	*77-129*	28.39	*0.693*	*20*	
Surr: Trifluorotoluene	*28.02*	1.0	*30*	0	*93.4*	*75-130*	28.25	*0.829*	*20*	

The following samples were analyzed in this batch: 1008908-03A

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

ALS Environmental

Date: 07-Sep-10

Client: Premier Environmental Services
Project: DS Hugh
WorkOrder: 1008908

QUALIFIERS, ACRONYMS, UNITS

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

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

Units Reported	Description
mg/L	Milligrams per Liter

☐ ALS Laboratory Group
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

Chain of Custody Form

Page ____ of ____

☐ ALS Laboratory Group
3352 128th Ave.
Holland, MI 49424-9263
Tel: +1 616 399 6070
Fax: +1 616 399 6185

ALS Project Manager: | ALS Work Order #: 1008908

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	DS Hugh	A	BTEX (8021)
Work Order		Project Number		B	TPH (TX 1005)
Company Name	Premier Environmental Services	Bill To Company	Plains All America, LP	C	PAH (8270) Regular
Send Report To	~~Kathleen Poston~~ Chan Patel	Invoice Attn		D	
Address	4800 Sugar Grove Blvd. Suite 420	Address	c/o ENV. Accounts Payable P.O. Box 4648	E F	
City/State/Zip	Stafford, TX 77477	City/State/Zip	Houston, TX 77002	G	
Phone	(281) 240-5200	Phone	(713) 646-4610	H	
Fax	(281) 240-5201	Fax	(713) 646-4199	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	mw2	8-26	1055	W	HCl	3	X										
2	mw3	↓	1058	↓	↓	↓	↓										
3	mw4	↓	1104	↓	↓	↓	↓										
4	mw5	↓	1106	↓	↓	↓	↓										
5	mw6	↓	1109	↓	↓	↓	↓										
6	mw7	8-26	1112	W	HCL	3	X										
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
[signature] SHANE A. DILLER	FEDEX	☐ Other ___ ☐ 1 Std 10 WK Days ☐ 5 WK Days ☐ 2 WK Days ☐ 24 Hour	

Relinquished by:	Date:	Time:	Received by:	Notes: 5 Day TAT.
[signature]	8-27	1630		
Relinquished by: K.N	8-28-10	0920	Received by (Laboratory): ALS	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)
		☑ Level II Std QC ☐ TRRP CheckList
		☐ Level III Std QC/Raw Data ☐ TRRP Level IV
		☐ Level IV SW846/CLP
		☐ Other / EDD

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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

ALS Environmental

Sample Receipt Checklist

Client Name: **PREMIER ENV** Date/Time Received: **28-Aug-10 09:20**

Work Order: **1008908** Received by: **LOT**

Checklist completed by David Hightower (eSignature) 30-Aug-10 (Date) Reviewed by: Jay Lynn F Thibault (eSignature) 31-Aug-10 (Date)

Matrices: water
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.1c	002	
Cooler(s)/Kit(s):	3402		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

29-Nov-2010

Chan Patel
Premier Environmental Services
4800 Sugar Grove Blvd.
Suite 390
Houston, TX 77477

Tel: (281) 240-5200
Fax: (770) 973-7395

Re: DS Hugh Work Order: **1011751**

Dear Chan,

ALS Environmental received 6 samples on 18-Nov-2010 11:40 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 16.

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

Sincerely,

JayLynn F Thibault

Electronically approved by: Mary K. Knowles

JayLynn F Thibault
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac
Certificate No: TX: T104704231-10-3

ALS Environmental

Date: 29-Nov-10

Client: Premier Environmental Services
Project: DS Hugh
Work Order: **1011751**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1011751-01	MW2	Groundwater		11/18/2010 11:40	11/19/2010 09:10	☐
1011751-02	MW3	Groundwater		11/18/2010 11:45	11/19/2010 09:10	☐
1011751-03	MW4	Groundwater		11/18/2010 11:50	11/19/2010 09:10	☐
1011751-04	MW5	Groundwater		11/18/2010 11:55	11/19/2010 09:10	☐
1011751-05	MW6	Groundwater		11/18/2010 12:00	11/19/2010 09:10	☐
1011751-06	MW7	Groundwater		11/18/2010 12:05	11/19/2010 09:10	☐

ALS Environmental

Date: *29-Nov-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW2
Collection Date: 11/18/2010 11:40 AM

Work Order: 1011751
Lab ID: 1011751-01
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	ND		0.00020	0.0010	mg/L	1	11/24/2010 22:17
Toluene	ND		0.00020	0.0010	mg/L	1	11/24/2010 22:17
Ethylbenzene	ND		0.00020	0.0010	mg/L	1	11/24/2010 22:17
Xylenes, Total	ND		0.00070	0.0030	mg/L	1	11/24/2010 22:17
Surr: 4-Bromofluorobenzene	*86.7*			*77-129*	*%REC*	1	11/24/2010 22:17
Surr: Trifluorotoluene	*91.0*			*75-130*	*%REC*	1	11/24/2010 22:17

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

ALS Environmental

Date: *29-Nov-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW3
Collection Date: 11/18/2010 11:45 AM

Work Order: 1011751
Lab ID: 1011751-02
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	ND		0.00020	0.0010	mg/L	1	11/24/2010 23:15
Toluene	ND		0.00020	0.0010	mg/L	1	11/24/2010 23:15
Ethylbenzene	ND		0.00020	0.0010	mg/L	1	11/24/2010 23:15
Xylenes, Total	ND		0.00070	0.0030	mg/L	1	11/24/2010 23:15
Surr: 4-Bromofluorobenzene	*87.6*			*77-129*	*%REC*	1	11/24/2010 23:15
Surr: Trifluorotoluene	*92.3*			*75-130*	*%REC*	1	11/24/2010 23:15

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

ALS Environmental

Date: *29-Nov-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW4
Collection Date: 11/18/2010 11:50 AM

Work Order: 1011751
Lab ID: 1011751-03
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	**0.014**		**0.00020**	**0.0010**	**mg/L**	1	11/24/2010 23:35
Toluene	**0.0023**		**0.00020**	**0.0010**	**mg/L**	1	11/24/2010 23:35
Ethylbenzene	**0.12**		**0.0020**	**0.010**	**mg/L**	10	11/25/2010 13:53
Xylenes, Total	**0.26**		**0.00070**	**0.0030**	**mg/L**	1	11/24/2010 23:35
Surr: 4-Bromofluorobenzene	*87.2*			*77-129*	*%REC*	1	11/24/2010 23:35
Surr: 4-Bromofluorobenzene	*108*			*77-129*	*%REC*	10	11/25/2010 13:53
Surr: Trifluorotoluene	*111*			*75-130*	*%REC*	1	11/24/2010 23:35
Surr: Trifluorotoluene	*106*			*75-130*	*%REC*	10	11/25/2010 13:53

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

ALS Environmental

Date: *29-Nov-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW5
Collection Date: 11/18/2010 11:55 AM

Work Order: 1011751
Lab ID: 1011751-04
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	ND		*0.00020*	*0.0010*	mg/L	1	11/24/2010 23:55
Toluene	ND		0.00020	0.0010	mg/L	1	11/24/2010 23:55
Ethylbenzene	ND		0.00020	0.0010	mg/L	1	11/24/2010 23:55
Xylenes, Total	ND		0.00070	0.0030	mg/L	1	11/24/2010 23:55
Surr: 4-Bromofluorobenzene	*82.5*			*77-129*	*%REC*	1	11/24/2010 23:55
Surr: Trifluorotoluene	*89.7*			*75-130*	*%REC*	1	11/24/2010 23:55

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

ALS Environmental

Date: *29-Nov-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW6
Collection Date: 11/18/2010 12:00 PM

Work Order: 1011751
Lab ID: 1011751-05
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			Method: **SW8021B**				Analyst: **KKP**
Benzene	ND		0.00020	0.0010	mg/L	1	11/25/2010 00:54
Toluene	ND		0.00020	0.0010	mg/L	1	11/25/2010 00:54
Ethylbenzene	ND		0.00020	0.0010	mg/L	1	11/25/2010 00:54
Xylenes, Total	ND		0.00070	0.0030	mg/L	1	11/25/2010 00:54
Surr: 4-Bromofluorobenzene	*88.1*			*77-129*	*%REC*	1	11/25/2010 00:54
Surr: Trifluorotoluene	*92.4*			*75-130*	*%REC*	1	11/25/2010 00:54

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

ALS Environmental

Date: *29-Nov-10*

Client: Premier Environmental Services
Project: DS Hugh
Sample ID: MW7
Collection Date: 11/18/2010 12:05 PM

Work Order: 1011751
Lab ID: 1011751-06
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	ND		0.00020	0.0010	mg/L	1	11/25/2010 14:51
Toluene	ND		0.00020	0.0010	mg/L	1	11/25/2010 14:51
Ethylbenzene	ND		0.00020	0.0010	mg/L	1	11/25/2010 14:51
Xylenes, Total	ND		0.00070	0.0030	mg/L	1	11/25/2010 14:51
Surr: 4-Bromofluorobenzene	*101*			*77-129*	*%REC*	1	11/25/2010 14:51
Surr: Trifluorotoluene	*106*			*75-130*	*%REC*	1	11/25/2010 14:51

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

ALS Environmental

Date: 29-Nov-10

Client: Premier Environmental Services

Work Order: 1011751

Project: DS Hugh

QC BATCH REPORT

Batch ID: **R101577** Instrument ID **BTEX3** Method: **SW8021B**

MBLK Sample ID: **BBLKW2-112410-R101577** Units: **µg/L** Analysis Date: **11/24/2010 09:57 PM**

Client ID: Run ID: **BTEX3_101124B** SeqNo: **2188156** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 4-Bromofluorobenzene	*25.71*	1.0	*30*	0	*85.7*	*77-129*	0			
Surr: Trifluorotoluene	*27.21*	1.0	*30*	0	*90.7*	*75-130*	0			

LCS Sample ID: **BLCSW2-112410-R101577** Units: **µg/L** Analysis Date: **11/24/2010 08:59 PM**

Client ID: Run ID: **BTEX3_101124B** SeqNo: **2188153** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.96	1.0	20	0	99.8	77-126	0			
Toluene	19.64	1.0	20	0	98.2	80-124	0			
Ethylbenzene	18.62	1.0	20	0	93.1	76-125	0			
Xylenes, Total	56.82	3.0	60	0	94.7	79-124	0			
Surr: 4-Bromofluorobenzene	*26*	1.0	*30*	0	*86.7*	*77-129*	0			
Surr: Trifluorotoluene	*28.87*	1.0	*30*	0	*96.2*	*75-130*	0			

LCSD Sample ID: **BLCSDW2-112410-R101577** Units: **µg/L** Analysis Date: **11/24/2010 09:18 PM**

Client ID: Run ID: **BTEX3_101124B** SeqNo: **2188154** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	23.63	1.0	20	0	118	77-126	19.96	16.8	20	
Toluene	21.38	1.0	20	0	107	80-124	19.64	8.49	20	
Ethylbenzene	19.85	1.0	20	0	99.3	76-125	18.62	6.4	20	
Xylenes, Total	59.9	3.0	60	0	99.8	79-124	56.82	5.27	20	
Surr: 4-Bromofluorobenzene	*26.24*	1.0	*30*	0	*87.5*	*77-129*	26	*0.912*	*20*	
Surr: Trifluorotoluene	*27.83*	1.0	*30*	0	*92.8*	*75-130*	28.87	*3.66*	*20*	

MS Sample ID: **1011751-01AMS** Units: **µg/L** Analysis Date: **11/24/2010 10:36 PM**

Client ID: **MW2** Run ID: **BTEX3_101124B** SeqNo: **2188158** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.73	1.0	20	0	109	77-126	0			
Toluene	21.16	1.0	20	0	106	80-124	0			
Ethylbenzene	20.46	1.0	20	0	102	76-125	0			
Xylenes, Total	61.47	3.0	60	0	102	79-124	0			
Surr: 4-Bromofluorobenzene	*26.39*	1.0	*30*	0	*88*	*77-129*	0			
Surr: Trifluorotoluene	*27.72*	1.0	*30*	0	*92.4*	*75-130*	0			

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

Client: Premier Environmental Services
Work Order: 1011751
Project: DS Hugh

QC BATCH REPORT

Batch ID: **R101577** Instrument ID **BTEX3** Method: **SW8021B**

MSD Sample ID: **1011751-01AMSD** Units: **µg/L** Analysis Date: **11/24/2010 10:56 PM**

Client ID: **MW2** Run ID: **BTEX3_101124B** SeqNo: **2188159** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.09	1.0	20	0	110	77-126	21.73	1.64	20	
Toluene	21.71	1.0	20	0	109	80-124	21.16	2.56	20	
Ethylbenzene	20.88	1.0	20	0	104	76-125	20.46	2.04	20	
Xylenes, Total	62.59	3.0	60	0	104	79-124	61.47	1.82	20	
Surr: 4-Bromofluorobenzene	*26.57*	1.0	*30*	0	*88.6*	*77-129*	26.39	*0.656*	*20*	
Surr: Trifluorotoluene	*27.63*	1.0	*30*	0	*92.1*	*75-130*	27.72	*0.317*	*20*	

The following samples were analyzed in this batch: 1011751-01A 1011751-02A 1011751-03A 1011751-04A 1011751-05A

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

Client: Premier Environmental Services
Work Order: 1011751
Project: DS Hugh

QC BATCH REPORT

Batch ID: **R101584** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **BBLKW-112510-R101584** Units: **µg/L** Analysis Date: **11/25/2010 01:34 PM**
Client ID: Run ID: **BTEX1_101125A** SeqNo: **2189161** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 4-Bromofluorobenzene	*30.59*	1.0	*30*	0	*102*	*77-129*	0			
Surr: Trifluorotoluene	*32.09*	1.0	*30*	0	*107*	*75-130*	0			

LCS Sample ID: **BLCSW-112510-R101584** Units: **µg/L** Analysis Date: **11/25/2010 12:37 PM**
Client ID: Run ID: **BTEX1_101125A** SeqNo: **2189158** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.12	1.0	20	0	111	77-126	0			
Toluene	21.85	1.0	20	0	109	80-124	0			
Ethylbenzene	21.72	1.0	20	0	109	76-125	0			
Xylenes, Total	64.83	3.0	60	0	108	79-124	0			
Surr: 4-Bromofluorobenzene	*31.56*	1.0	*30*	0	*105*	*77-129*	0			
Surr: Trifluorotoluene	*33.57*	1.0	*30*	0	*112*	*75-130*	0			

LCSD Sample ID: **BLCSDW-112510-R101584** Units: **µg/L** Analysis Date: **11/25/2010 12:56 PM**
Client ID: Run ID: **BTEX1_101125A** SeqNo: **2189159** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.71	1.0	20	0	104	77-126	22.12	6.59	20	
Toluene	20.97	1.0	20	0	105	80-124	21.85	4.11	20	
Ethylbenzene	20.98	1.0	20	0	105	76-125	21.72	3.46	20	
Xylenes, Total	62.79	3.0	60	0	105	79-124	64.83	3.19	20	
Surr: 4-Bromofluorobenzene	*31.28*	1.0	*30*	0	*104*	*77-129*	31.56	*0.895*	*20*	
Surr: Trifluorotoluene	*32.46*	1.0	*30*	0	*108*	*75-130*	33.57	*3.35*	*20*	

MS Sample ID: **1011751-03AMS** Units: **µg/L** Analysis Date: **11/25/2010 02:12 PM**
Client ID: **MW4** Run ID: **BTEX1_101125A** SeqNo: **2189163** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	247	10	200	38.67	104	77-126	0			
Toluene	231.9	10	200	15.54	108	80-124	0			
Ethylbenzene	338.8	10	200	115.3	112	76-125	0			
Xylenes, Total	916.5	30	600	262	109	79-124	0			
Surr: 4-Bromofluorobenzene	*342.4*	10	*300*	0	*114*	*77-129*	0			
Surr: Trifluorotoluene	*326.3*	10	*300*	0	*109*	*75-130*	0			

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

Client: Premier Environmental Services
Work Order: 1011751
Project: DS Hugh

QC BATCH REPORT

Batch ID: **R101584** Instrument ID **BTEX1** Method: **SW8021B**

MSD Sample ID: **1011751-03AMSD** Units: **µg/L** Analysis Date: **11/25/2010 02:31 PM**

Client ID: **MW4** Run ID: **BTEX1_101125A** SeqNo: **2189164** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	241.1	10	200	38.67	101	77-126	247	2.39	20	
Toluene	227.6	10	200	15.54	106	80-124	231.9	1.88	20	
Ethylbenzene	331.8	10	200	115.3	108	76-125	338.8	2.09	20	
Xylenes, Total	904.5	30	600	262	107	79-124	916.5	1.32	20	
Surr: 4-Bromofluorobenzene	*333*	10	*300*	0	*111*	*77-129*	342.4	*2.78*	*20*	
Surr: Trifluorotoluene	*315.9*	10	*300*	0	*105*	*75-130*	326.3	*3.22*	*20*	

The following samples were analyzed in this batch: 1011751-03A 1011751-06A

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

Client: Premier Environmental Services
Project: DS Hugh
WorkOrder: **1011751**

QUALIFIERS, ACRONYMS, UNITS

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

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

Units Reported	Description
mg/L	Milligrams per Liter

Chain of Custody Form

☐ ALS Laboratory Group
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

Page 1 of 1

☐ ALS Laboratory Group
3352 128th Ave.
Holland, MI 49424-9263
Tel: +1 616 399 6070
Fax: +1 616 399 6185

ALS Project Manager: | ALS Work Order #: 101751

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	DS Hugh	A	BTEX (8021)
Work Order		Project Number		B	~~TPH (TX 1005)~~
Company Name	Premier Environmental Services	Bill To Company	Plains All America, LP	C	~~PAHs (8270) Regular~~
Send Report To	~~Kathleen Baxton~~ Chan Fatoy	Invoice Attn		D	
Address	4800 Sugar Grove Blvd. Suite 390	Address	c/o ENV. Accounts Payable P.O. Box 4648	E	
				F	
City/State/Zip	Houston, TX 77477	City/State/Zip	Houston, TX 77210-4648	G	
Phone	(281) 240-5200	Phone	(713) 646-4610	H	
Fax	(281) 240-5201	Fax	(713) 646-4199	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW2	11/18/10	11:40	GW	HCl	3	X										
2	MW3	↓	11:45	↓	↓	↓	↓										
3	MW4		11:50														
4	MW5		11:55														
5	MW6		12:00														
6	MW7		12:05														
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Matt Goulet

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Std 10 WK Days ☑ 5 WK Days ☐ 2 WK Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Matt Goulet	11/19/10	17:30	FED EX
Relinquished by:	Date: 11-19-10	Time: 0910	Received by (Laboratory): RN ACS
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: 5 Day TAT.

Cooler ID	Cooler Temp

QC Package: (Check One Box Below)
☑ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other / EDD
☐ TRRP CheckList
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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

ALS Environmental

Sample Receipt Checklist

Client Name: **PREMIER ENV** Date/Time Received: **18-Nov-10 11:40**

Work Order: **1011751** Received by: **RNG**

Checklist completed by AlbtVale (eSignature) 19-Nov-10 (Date) Reviewed by: JajLynF Thbalt (eSignature) 21-Nov-10 (Date)

Matrices: water
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.2c	T002	
Cooler(s)/Kit(s):	1591		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

WO # 10117C-1

ALS Environmental
10450 Stancliff Rd., 10
Houston, Texas 7709
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL

Date: 11.8.2010 Time: 17:30

Name: Matt Grubbs

Company: Premier

Seal Broken By:

Date:

APPENDIX D

C-141 NMOCD Release Notification Form

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company Plains Marketing, LP	Contact Daniel Bryant
Address 5805 East Hwy. 80, Midland, TX 79706	Telephone No. 432-686-1769
Facility Name D. S. Hugh Gathering	Facility Type Steel Pipeline

Surface Owner Delrose Scott	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	26	21S	37E					Lea

Latitude 32° 26' 48" **Longitude** 103° 08' 07"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 20 barrels	Volume Recovered 5 barrels
Source of Release Steel Pipeline	Date and Hour of Occurrence 11/10/2000	Date and Hour of Discovery 11/10/2000 13:20
Was Immediate Notice Given? Yes ☒ No ☐ Not Required	If YES, To Whom? Donna Williams	
By Whom? Wayne Brunette	Date and Hour 11/10/2000 14:25	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Pipeline was clamped to mitigate the release during initial response activities.

Describe Area Affected and Cleanup Action Taken.*
NOTE: This information was obtained from historical EOTT files, Plains acquired EOTT/Link on April 1, 2004 and Plains assumes this information to be correct.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Daniel Bryant	OIL CONSERVATION DIVISION	
Printed Name: Daniel Bryant	Approved by District Supervisor:	
Title: Environmental Coordinator	Approval Date:	Expiration Date:
E-mail Address: dmbryant@paalp.com	Conditions of Approval:	Attached ☐
Date: 4/7/2006 Phone:432-686-1769		

* Attach Additional Sheets If Necessary