1R - 464

WORKPLANS

DATE:

Dec. '09

GROUNDWATER WORK PLAN
VACUUM TO JAL 14" MAINLINE #5

PLAINS SRS NO. 2003-00134
UL-A SECTION 2 T22S R37E
LEA COUNTY, NEW MEXICO
NMOCD # 1R – 0464

PREPARED FOR

PLAINS PIPELINE, L.P.

333 CLAY STREET, SUITE 1600
HOUSTON, TEXAS 77002

PREPARED BY

PREMIER ENVIRONMENTAL SERVICES, INC

4800 SUGAR GROVE BLVD., SUITE 390
STAFFORD, TEXAS 77477
281.240.5200

Project No. 205069.00

December 2009

Chan Patel
Senior Project Manager

PREMIER
ENVIRONMENTAL SERVICES, INC

4800 Sugar Grove Blvd.
Suite 390
Stafford, TX 77477

Phone 281.240.5200
Fax 281.240.5201
www.premiercorp-usa.com

December 10, 2009

RECEIVED
DEC 15 2009
Environmental Bureau
Oil Conservation Division

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

Re: Groundwater Work plan for
Vacuum to Jal 14" Mainline #3
Vacuum to Jal 14" Mainline #5
D S Hugh 4-inch Gathering Line

Dear Mr. Hansen:

Please find enclosed the Groundwater Work Plans submitted by Premier Environmental Services, Inc. (Premier) on behalf of Plains Pipeline, L.P. (Plains) for each of the following Plains' sites located in Lea County, New Mexico:

- Vacuum to Jal 14" Mainline #3; NMOCD # 1R - 455; Plains SRS # 2003 - 00117
- Vacuum to Jal 14" Mainline #5; NMOCD # 1R - 0464; Plains SRS # 2003 - 00134
- D S Hugh 4-inch Gathering Line; NMOCD # 1R - 0463; Plains SRS # 2000 - 10807

Each Work Plan describes the site specific remediation approach that will be implemented at the site to achieve closure for affected groundwater. If you have any questions or concerns, please feel free to contact us at (281) 240-5200.

Yours very truly,

Chan Patel
Senior Project Manager

Steven M Sellepack
Project Geologist

cc: Larry Johnson (NMOCD Hobbs)
Mr. Jeffrey Dann, P.G. (Plains)
Local Plains Representative (2 copies)
Premier Environmental Services

Enclosures

Groundwater Work Plan - Vacuum to Jal 14" Mainline #3
Groundwater Work Plan - Vacuum to Jal 14" Mainline #5
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DISCLAIMER

Premier has examined and relied upon the file information provided by Plains and Environmental Plus, Inc. (EPI) for the preparation of the Groundwater Work Plan. 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.

1.0 INTRODUCTION AND SITE HISTORY

Premier Environmental Services, Inc. (Premier) on behalf of Plains Pipeline, L P. (Plains) is submitting this Groundwater Work Plan to the New Mexico Oil Conservation Division (NMOCD) for the remediation of the Plains Vacuum To Jal 14" Mainline #5 (site) crude oil pipeline release site in Lea County, New Mexico.

The Vacuum To Jal 14" Mainline #5 site is located in T22S, R37E, Section 2 of Lea County, New Mexico, approximately 2 miles east of Eunice, New Mexico. GPS coordinates for the site are 32°25'39.006" N and 103°07'43.155" W (**Figure 1**, **Appendix A**). The hydrocarbon impact is the result of a 20 barrel crude oil release that occurred on May 23, 2003. The release was detected while the pipeline was being pressure tested and was apparently caused by internal or external corrosion. The pipeline was subsequently repaired (a copy of the C-141 release notification form is included in **Appendix C**). The pipeline was owned by EOTT Energy, LLC (EOTT) at the time of the release, and is currently owned by Plains.

According to Mr. McCasland with Environmental Plus, Inc. (EPI), emergency response excavation activities associated with the May 23, 2003 release were undertaken in May and June 2003 and affected soil was initially stockpiled onsite. File correspondence from EPI to Plains states that, between March 5 and March 11, 2004, approximately 1,466 cubic yards of the more heavily impacted surface soils were transported off-site for treatment at the NMOCD approved, Plains' Lea Station Land Farm. EPI conducted several soil investigations during May-June 2003, March 2004, and April 2004. EPI's March 2004 headspace analysis for the volatile organic concentration (VOCs) completed on-site indicated the presence of VOCs above the NMOCD field screening criteria of 100 ppm in trenches completed at depths of 13 and 10 feet respectively. Therefore, additional excavation was completed and the soil was placed in the stockpile and land farmed on-site. The land farmed soil on-site was periodically tilled. In April 2004, confirmation samples collected by EPI from sidewalls and the base of the excavation resulted in total petroleum hydrocarbon (TPH) concentrations detected above the NMOCD remediation criteria.

In early 2006, Premier was retained by Plains to manage the environmental activities at the site to complete additional soil and groundwater investigations. A subsurface investigation completed in March 2006 included the installation of three monitor wells (MW-1, MW-2 and MW-3) and three recovery wells (RW-1, RW-2 and RW-3) to a depth of 60 feet below ground surface (bgs). During this investigation, groundwater was found to be affected by hydrocarbons, including the presence of PSH in recovery wells RW-1, RW-2 and RW-3.

Based on the investigations completed, and data from EPI's investigations, a Soil Remediation Plan (SRP), dated May 2006, was prepared and submitted to New Mexico Oil Conservation Division (NMOCD). The plan was approved by the NMOCD via a letter dated June 12, 2006. The objective of the SRP was to complete additional "hot spot" excavation of the heavily affected soils, soil blending and mixing in the land farm area, placement of a

20-mil high-density polyethylene impermeable liner in the base of the excavation, backfilling the open excavation with clean fill and blended soils from the on-site land farm area and to isolate and control residual concentration of constituents of concern (COCs) in the soil. The SRP was implemented in October and November 2006. Soil remediation activities completed including the excavation, placement of impermeable liner, and backfill activities (described in the March 2007 Soil Closure Report) illustrate that the site has met the risk based NMOCD cleanup criteria developed for the site and therefore the soil remediation activities at this site are considered complete. This groundwater work plan summarizes the proposed activities for groundwater remediation only.

During November and December 2006, additional groundwater investigation was conducted to define the lateral extent of affected groundwater beneath the site. This investigation included the installation of four additional monitor wells (MW-4, MW-5, MW-6 and MW-7) and three additional recovery wells (RW-4, RW-5 and RW-6) to depths between 60 and 61 feet bgs.

Ongoing activities at the site (since the installation of the recovery wells) include weekly gauging and PSH recovery activities from the wells with PSH or hydrocarbon sheen and quarterly groundwater sampling. The general site layout and the monitor well locations are presented in **Figure 2, Appendix A**. The ongoing activities are summarized on an annual basis and presented in the annual monitoring report, to the NMOCD each year, during the first quarter of the following year.

2.0 GEOLOGICAL DESCRIPTION

2.1 Regional Geology

The Vacuum To Jal 14" Mainline #5 is located in Lea County, New Mexico. In Lea County, bedrock frequently crops out or is thinly veneered with alluvium and eolian dune sands. The bedrock outcrops range from Triassic age strata rocks to Pleistocene age sediments. The Recent Age Mescalero sands cover 80% of Lea County, and are described as fine to medium-grained and reddish brown in color. Lea County lies in the Pecos Valley Section of the Great Plains Province, very near the Southern High Plains to the east. The Tertiary Age Ogallala Formation underlies all of the High Plains and mantles several ridges in Lea County.

The site is located on the Kimbrough gravelly loam within the Kimbrough-Lea association type soils. This soil complex is found on prairie uplands and is locally known as "scabland". This association consists of nearly level and gently sloping, gravelly and loamy soils that are very shallow to moderately deep, to indurated caliches'.

The average surface elevation ranges from 3,770 to 3,775 feet above mean sea level with average surface topography sloping to the south and southeast at approximately 10 to 15 feet per mile.

2.2 Site specific Geology/Hydrogeology

The site is located primarily on Recent Age Mescalero sands. The site seems to be characteristic of the High Plains, with a uniform, topographically relatively flat surface that slopes very gently to the southeast.

The site surface consists of a light brown, very fine grained and well sorted sand to a depth of 4 to 12 feet bgs. Typically, underlying this surface unit at depth of 4 to 12 feet is a white caliche layer. The caliche layer exhibited varying thicknesses of between 10 to 20 feet. Typically, underlying this caliche layer, is a reddish-brown very fine grained, well sorted sand to the total depth of the well borings.

The New Mexico Office of the State Engineer database indicates the presence of one water well in Section 2, T22S R37E. This water well is listed with an average depth to water of 1,100 feet. The City of Eunice Water/Wastewater Superintendent was not aware of a private well on the residential property located within approximately 500 feet of the Site. According to previous investigations conducted by Environmental Plus Inc. (EPI), one water well used for agricultural purposes is located on this property. The depth to groundwater reported in this well is approximately 65 feet bgs. There are no surface water bodies within 1,000 feet of the site.

3.0 REGULATORY FRAMEWORK

In New Mexico, the NMOCD oversees and regulates oil, gas and geothermal activities, including compliance with environmental regulations. Guidance for cleanup of crude oil releases is provided in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993) document. COCs associated with crude oil releases include total petroleum hydrocarbons (TPH), and benzene, toluene, ethylbenzene and total xylenes (BTEX). Guidelines for these COCs in soil are evaluated based on a site ranking system. The ranking system estimates the likelihood of exposures to the COCs and is based on three parameters, specifically, depth to groundwater, wellhead protection area, and distance to the nearest surface water body, to protect groundwater and surface water resources.

3.1 NMOCD Site Ranking Guidance – Initial Evaluation

The site was initially evaluated based on the information presented in the previous sections. Based on the proximity of the site to area water wells, surface water bodies, and depth to groundwater, the site has an NMOCD ranking score of 20 points, with the soil remedial goals highlighted in bold in **Table 3.1** below in the Site Ranking Matrix.

Table 3.1 - Site Ranking Matrix

<table>
<tr><th>1. Groundwater</th><th>2. Wellhead Protection Area</th><th>3. Distance to Surface Water Body</th></tr>
<tr><td>If Depth to GW <50 feet: 20 points</td><td rowspan="2">If <1000' from water source, or, <200' from private domestic water source: 20 points</td><td><200 horizontal feet: 20 points</td></tr>
<tr><td>If Depth to GW 50 to 99 feet: 10 points</td><td rowspan="2">200-100 horizontal feet: 10 points</td></tr>
<tr><td>If Depth to GW >100 feet: 0 points</td><td rowspan="2">If >1000' from water source, or, >200' from private domestic water source: 0 points</td></tr>
<tr><td>Groundwater Score:20</td><td>Wellhead Protection Area Score: 0</td><td>>1000 horizontal feet: 0 points</td></tr>
<tr><td colspan="3">Site Rank (1+2+3) =20+0+0=20</td></tr>
<tr><td colspan="3">Total Site Ranking Score and Initial Guidance Cleanup Concentrations</td></tr>
</table>

Parameter	20 or >	10	0
Benzene[1]	**10 ppm**	10 ppm	10 ppm
BTEX[1]	**50 ppm**	50 ppm	50 ppm
TPH	**100 ppm**	1000 ppm	5000 ppm

Soil remediation activities were completed at the site during October - November 2006 and the results were submitted to the NMOCD. The results of the remediation activities indicated that affected soil contaminant concentration met the risk based NMOCD remediation criteria developed for this site and only groundwater currently requires remediation.

4.0 GROUNDWATER WORK PLAN

4.1 Current Site Conditions

Initial groundwater gauging and sampling activities conducted in March 2006 indicated the presence of PSH or sheen on the surface of groundwater in recovery wells RW-1, RW-2 and RW-3.

Ongoing groundwater monitoring and remediation activities include:

- Weekly gauging of wells with hydrocarbon sheen, specifically recovery wells RW-1, RW-2 and RW-3, and recovery of PSH and dissolved-phase hydrocarbons using either absorbent socks and/or manual bailing of groundwater using battery powered submersible pump;
- Quarterly groundwater sampling of seven groundwater monitor wells (MW-1 through MW-7) and three recovery wells (RW-4 through RW-6) for the analysis of BTEX constituents; and
- Annual groundwater sample collection from recovery wells RW-1, RW-2, RW-3 for laboratory analysis of polynuclear aromatic hydrocarbons (PAHs) and BTEX constituents, starting in 2008 as requested by the NMOCD.

Groundwater gauging data for 2008 and 2009 (up to October 21, 2009) are summarized in **Table 1, Appendix B** and the groundwater elevations are contoured quarterly to confirm the groundwater flow direction. The groundwater gradient at this site is currently flowing in a southerly direction. A groundwater contour map with the groundwater flow direction, based on the gauging data obtained during the 3rd quarter 2009 groundwater sampling event, is presented in **Figure 3, Appendix A**.

Based on the groundwater gauging data collected on October 7, 2009, the groundwater gradient across the site was determined to be 0.0036 foot/foot between monitor wells MW-4 and MW-7 indicating that the groundwater gradient at this site is relatively flat.

Based on the groundwater flow direction and the site layout, following are the locations of the monitor wells with respect to the on-site hydrocarbon plume:

- Monitor wells within the hydrocarbon plume – RW-1, RW-2 and RW-3;
- Monitor wells upgradient of the hydrocarbon plume – MW-3, MW-4 and RW-4;
- Monitor wells cross/side gradient of the hydrocarbon plume – MW-2 and RW-5; and
- Monitor wells downgradient of the hydrocarbon plume – RW-6, MW-1, MW-5, MW-6 and MW-7.

Groundwater Gauging and PSH Recovery

Ongoing weekly gauging and recovery activities indicate that measurable PSH is currently being observed only in recovery wells RW-2 and RW-3 and only a hydrocarbon sheen is present in RW-1. The PSH in recovery well RW-1 has decreased from a measurable PSH thickness to hydrocarbon sheen in February 2007 and has continued to remain the same.

The PSH thickness in recovery well RW-2 has been fluctuating with a maximum measurable thickness of 1.7 feet in September 2008 and has indicated a decreasing trend in 2009. The average PSH thickness measured during October 2009 is 0.21 feet.

Recovery well RW-3 indicated the presence of measurable PSH since the end of 2008 with an average thickness in the month of December 2008 being 0.12 feet. Weekly PSH recovery has resulted in a decreasing PSH thickness trend with measurable PSH last observed during the month of March 2009. Measurable PSH has been reduced to a hydrocarbon sheen starting month of April 2009 and continued to remain the same until the end of October 2009.

Weekly PSH recovery and gauging activities result in a recovery of approximately 20 gallons of groundwater entrained with PSH and dissolved phase hydrocarbon from recovery wells RW-1, RW-2 and RW-3. The approximate recovery volumes for 2008 to October 2009 are presented in **Table 1, Appendix B**.

Groundwater Analytical Data evaluation

Starting in 2008, pursuant to the request of the NMOCD, recovery wells RW-1, RW-2 and RW-3, located within the plume are sampled annually to document BTEX and PAHs constituent concentrations. Analytical data including the BTEX and PAH constituent concentrations are summarized in **Tables 2 through 4** of **Appendix B**. An authoritative trend could not be established from the analytical results reported in groundwater samples collected from these wells as only two data points are available to date. Additional data is required at this time to conduct any trend analysis for the COCs in these wells.

The concentration of benzene in monitor well MW-1 located directly downgradient of the plume area, decreased to below the NMOCD remediation criteria over the previous three quarters and to below the laboratory sample quantitation limit in the 3rd quarter of 2009. Of the remaining on-site wells, analytical data indicates that only two of the ten wells, recovery wells RW-5 and RW-6, located cross-gradient and downgradient respectively, currently indicate detected concentrations of benzene but these concentrations are all below the NMOCD Remediation criteria. Overall benzene concentrations indicate a decreasing trend over the previous two quarters. Analytical results for the other COCs monitored on-site, toluene, ethylbenzene, and total xylenes, are all reported below the NMOCD Remediation Criteria for groundwater.

The analytical data collected for all quarterly groundwater sampling events is summarized in **Tables 2 through 4** in **Appendix B**. The first three quarterly sampling event data for

2009, (BTEX (and PAH for 2nd quarter sampling event only)) concentrations and the PSH thickness are presented on a site layout map to indicate the spatial distribution of the COCs and PSH thickness at the site (see **Figures 4A, 4B (i) and 4B (ii) and 4C**) in **Appendix A**.

4.2 Monitored Natural Attenuation – Proposed Remediation Approach

Based on the available quarterly groundwater sampling data, a decreasing trend in benzene concentration has been observed as evident by COC concentration in monitor well MW-1. Therefore, based on the current conditions, continued PSH and dissolved phase removal from recovery wells RW-1, RW-2 and RW-3, and monitored natural attenuation is proposed as the option to remediate groundwater.

Following is a brief discussion of mechanisms associated with the monitored natural attenuation process.

4.2.1 Monitored Natural Attenuation

Monitored Natural Attenuation (MNA) relies on naturally occurring processes such as degradation (either biodegradation or abiotic processes such as hydrolysis), dispersion, diffusion, sorption, volatilization and dilution to control plume movement and destruction of dissolved phase hydrocarbons in groundwater. Biodegradation involves chemical transformation of the hydrocarbon constituents into mineralized end products, such as carbon dioxide, water and salts, by naturally occurring microbes in soil and groundwater.

Of particular importance in this process of attenuation is the determination of whether the impacted area is controlled by anaerobic or aerobic conditions. Aerobic conditions exist under relatively oxygen-rich environments. In aerobic conditions, available oxygen and dissolved phase hydrocarbons are microbially digested to form carbon dioxide and water. Aerobic conditions are characterized by oxidized states of various ions notably ferric iron, nitrate, and sulfate. When the available oxygen is depleted, anaerobic conditions exist. Anaerobic conditions are characterized by reduced forms of various ions, most notable are ferrous iron, ammonia, and sulfides.

Therefore, the variation in geochemical parameter concentrations such as dissolved oxygen (DO), nitrate (NO_3^-), ammonia (NH_3), sulfate (SO_4^{2-}), soluble ferrous iron (Fe^{+2}), pH, and oxidation reduction potential (ORP) are considered a measure of the geochemical state of the groundwater and therefore of the existing subsurface conditions.

Table 5, Appendix B shows a summary of the current sampling data and specifies the sampling objective for the evaluation of MNA parameters at each well. Also included in this table is the current and proposed groundwater monitoring plan for each of the wells. Evaluation of the BTEX analytical data and the geochemical data obtained from wells sampled according to this work plan, presented in **Table 5**, will be conducted on a quarterly/annual and semi-annual frequency respectively to assess the subsurface plume conditions. These geochemical parameters, when monitored, act as indicators of the oxidation or reducing nature of the subsurface environment and enable better

understanding of the plume behavior based on the analytical results for the COCs. **Table 6, Appendix B** provides the field MNA (geochemical) parameters that will be collected during every alternate quarterly sampling event.

4.2.2 Enhanced Monitored Natural Attenuation

In the event the site conditions change and a dramatic increase in benzene concentrations are observed, MNA can be combined with other in-situ passive groundwater remediation technologies to enhance the attenuation process at this site. One of the in-situ treatment techniques that could be employed to enhance the natural attenuation processes at this site is the subsurface injection of air/oxygen or other oxygen releasing chemicals through the installation of injection points. Injection of air/oxygen, either directly through the addition of atmospheric air or via oxygen releasing chemicals enhances the rate of biodegradation in the impacted groundwater, when anaerobic conditions exist in the environment. This results in the geochemical environment changing to aerobic conditions thereby enhancing the rate of biodegradation of the hydrocarbons present. These injection points would be strategically located in order to maximize the zones of influence.

If necessary, another remediation technique that could enhance monitored natural attenuation is the installation of an automated recovery system at the plume center as opposed to weekly manual bailing, to recover PSH and groundwater with dissolved phase hydrocarbons on a more frequent basis. This could help more rapidly decrease the hydrocarbon mass in the plume. However, at this point in time, based on the limited amount of recoverable PSH, it is not warranted.

5.0 PLUME STABILITY ANALYSIS

Understanding plume stability is an important step in the remedial planning process. For example, an increasing plume could potentially migrate to human or environmental receptors, whereas a stable or decreasing plume may not be a continued threat to human health and the environment. Upon removal of the source, the size of a contaminant plume is influenced by a variety of physical, chemical, and biological processes and other hydrologic and geologic features (streams, clay layers, etc.). When a plume has reached a point of dynamic equilibrium (i.e., steady state), the mass loading to the plume from a source is equal to the rate of the mass lost from the plume by physical, chemical, biological, or in some cases anthropogenic processes. At this site, the majority of the mass of the hydrocarbons has been removed and the residual hydrocarbons in the soil matrix in the release area have been isolated under a 20-mil high density polyurethane liner, thereby reducing the mass loading to the groundwater in this process. Ongoing removal of the residual hydrocarbons in groundwater weekly from recovery wells RW-1, RW-2 and RW-3 and natural attenuation taking place in-situ help mitigate the migration of the groundwater plume.

A limited plume stability analysis will be included in the Annual Reports and will include the development of benzene concentration isopleth maps for sampling events. The plume characteristics such as area, average concentration, mass, and center of mass will be evaluated for each sampling event using numerical methods and engineering principles. A statistical trend analysis will then be conducted on the calculated values to assess the benzene plume stability.

6.0 GROUNDWATER MONITORING PROGRAM

Quarterly monitoring of all ten wells that are currently not affected by PSH or hydrocarbon sheen will be continued through 2009. Starting in 2010, the sampling frequency for monitor wells MW-4, MW-5, MW-6 and recovery wells RW-4 will be reduced to annual sampling based on three years of quarterly groundwater sampling data reporting COC concentrations below the regulatory limits. In addition, monitor well MW-4 and recovery well RW-4 are located upgradient of the hydrocarbon plume and wells MW-5 and MW-6 are located downgradient of monitor wells with the reported COC concentrations below the regulatory limits.

Starting in first quarter 2010, groundwater samples will be collected for quarterly analysis from monitor wells MW-1, MW-2, MW-3, MW-7 and recovery wells RW-5 and RW-6 and analyzed for BTEX constituents. The remaining wells will be sampled annually for BTEX constituents based on the rationale discussed above. Select monitor wells will be sampled for MNA field parameters on a semi-annual basis.

The analytical results and the MNA parameters will be compiled and summarized in an Annual Monitoring Report which is submitted to the NMOCD on or before April 1 of each year.

The PSH and the dissolved phase hydrocarbon recovery activities will continue until the PSH thickness in the recovery wells RW-1, RW-2 and RW-3 are all less than 0.01 feet. Analytical data collected quarterly from the downgradient monitor well MW-1 will continue to be evaluated to ensure that COC concentrations are decreasing. Upon discontinuing the PSH recovery activities, if the concentrations of the COCs in the downgradient well MW-1 are reported to increase during two consecutive quarters, then PSH and dissolved phase hydrocarbon recovery activities will be resumed on a weekly basis. **Figure 5, Appendix A**, presents the groundwater monitoring plan to be implemented starting 2010.

7.0 SUMMARY AND CONCLUSIONS

The hydrocarbon impact at this site is a result of a 20 barrel crude oil release that occurred on May 23, 2003. The release was apparently caused by internal or external corrosion and was discovered during pressure testing the pipeline.

Initial release determination and the cleanup activities involved the excavation of two areas as shown in **Figure 2**. The initial response action and the soil remediation activities conducted at the site resulted in achieving the risk based NMOCD remediation criteria at this site. Therefore, only groundwater remediation is addressed in this work plan.

Currently, a total of 13 monitor wells are installed at this site and only recovery wells RW-1, RW-2 and RW-3 indicate the presence of PSH or hydrocarbon sheen. Weekly recovery activities from these three wells on-site include manually bailing 20 gallons of groundwater with PSH and dissolved phase hydrocarbons and/or installation of absorbent socks. Review of the 2008 and 2009 gauging data indicates a decreasing trend in PSH thickness in recovery wells RW-1, RW-2 and RW-3. The groundwater plume is sufficiently delineated.

Currently, groundwater sampling of ten monitor and recovery wells are completed on a quarterly basis. An evaluation of quarterly analytical data indicates a decreasing benzene concentration in the monitor well MW-1, located directly downgradient of the hydrocarbon plume.

The decreasing PSH thickness from the three recovery wells located within the plume and the decrease in benzene concentration in monitor well MW-1 are indicative of the effective functioning of the PSH recovery activities and the on-going natural attenuation at this site. Therefore, weekly recovery of PSH or hydrocarbon sheen and dissolved phase hydrocarbons from recovery wells RW-1, RW-2 and RW-3 will continue to control the plume from further migration.

Semi-annual monitoring of geochemical parameters and quarterly/annual monitoring of BTEX constituents from selected monitor well locations as recommended in **Table 5, Appendix B** will help evaluate the subsurface geochemical conditions and plume movement. Plume stability analysis of these data will be conducted and a trend analysis using statistical methods will be made based on the data (Plume Stability Analysis).

PSH and dissolved phase groundwater recovery will continue until the PSH thickness decreases to less than 0.01 feet in recovery wells RW-1, RW-2 and RW-3. BTEX concentrations, specifically in monitor well MW-1, will be monitored closely. If concentrations in monitor well MW-1 are reported to have an increasing trend in two consecutive quarterly sampling events, PSH and dissolved phase recovery activities will be resumed on-site.

Currently, all groundwater monitor wells, with the exception of recovery wells RW-1, RW-2 and RW-3, are purged and sampled for dissolved phase BTEX constituents quarterly. Upon approval of this groundwater work plan, future activities will include collecting samples for analysis of BTEX constituents and MNA parameters according to the plan proposed in Table 5. The groundwater monitoring data will be evaluated and the results will be summarized in an Annual Monitoring Report and submitted to the NMOCD in the first quarter of each year.

DISTRIBUTION

Mr. Ed Hansen
New Mexico Oil Conservation Division Environmental Bureau
1220 South St. Francis Drive
Santa Fe, NM 87505
edwardj.hansen@state.nm.us

Larry Johnson
Environmental Engineer
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, NM 88240
505-393-6161 ext 111
lwjohnson@state.nm.us

Jeffrey Dann, P.G.
Senior Environmental Specialist
Plains Marketing, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002
713-646-4100
jpdann@paalp.com

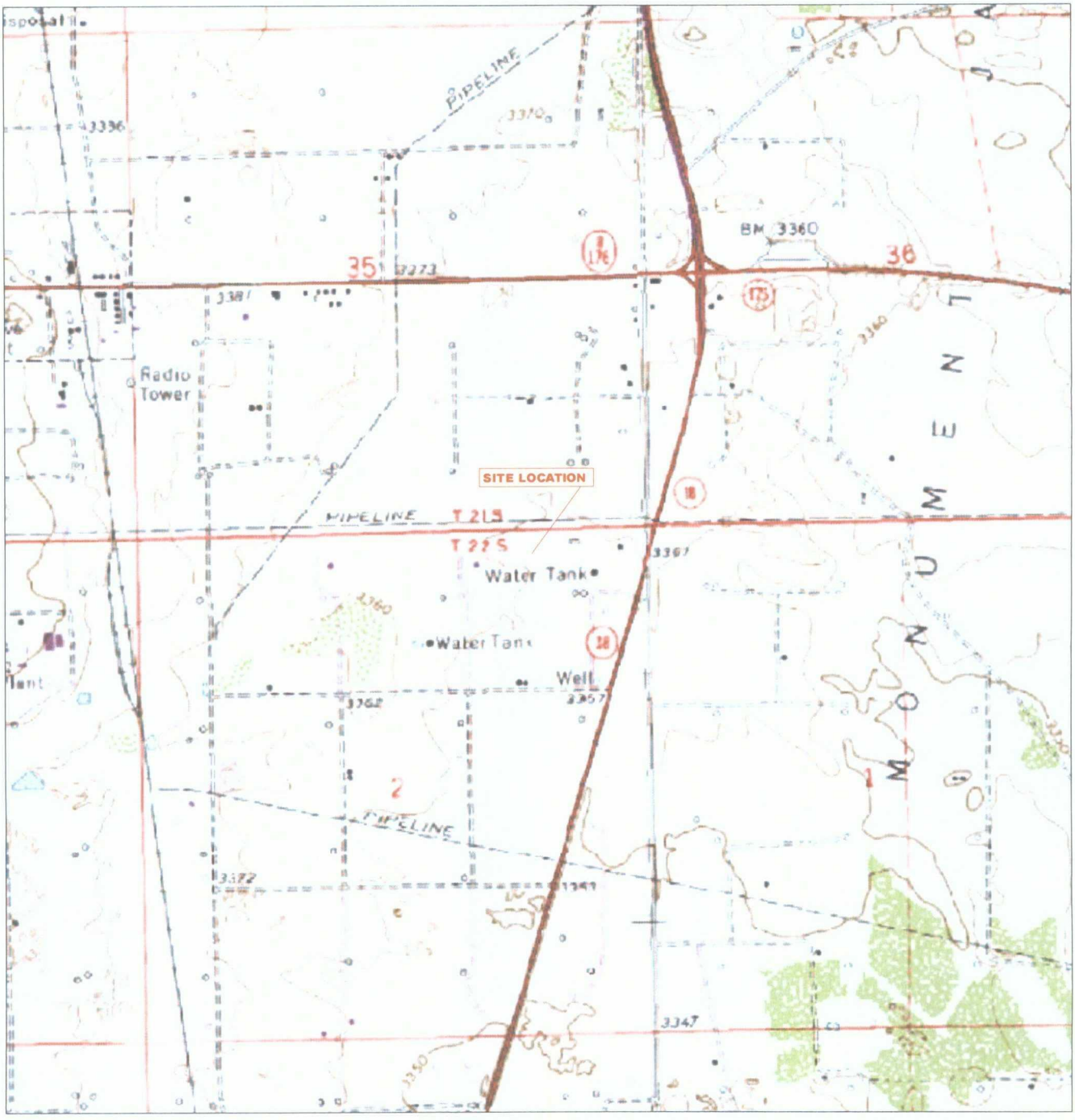
Daniel Bryant
Plains Marketing, L.P.
PO Box 3371
Midland, TX 79702
3705 E. Highway 158
Midland, TX 79706
jlbryant@paalp.com

Shane Diller
Premier Environmental Services, Inc.
30 West Industrial Loop, Suite I
Midland, Texas 79701
sdiller@premiercorp-usa.com

Chan Patel
Senior Project Manager
Premier Environmental Services, Inc.
4800 Sugar Grove Blvd, Suite 390
Stafford, Texas 77477
281-240-5200
cpatel@premiercorp-usa.com

APPENDIX A

Figures



Eunice Quadrangle
32°25'39"N Latitude & 103°07'43"W Longitude

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.
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 3/09

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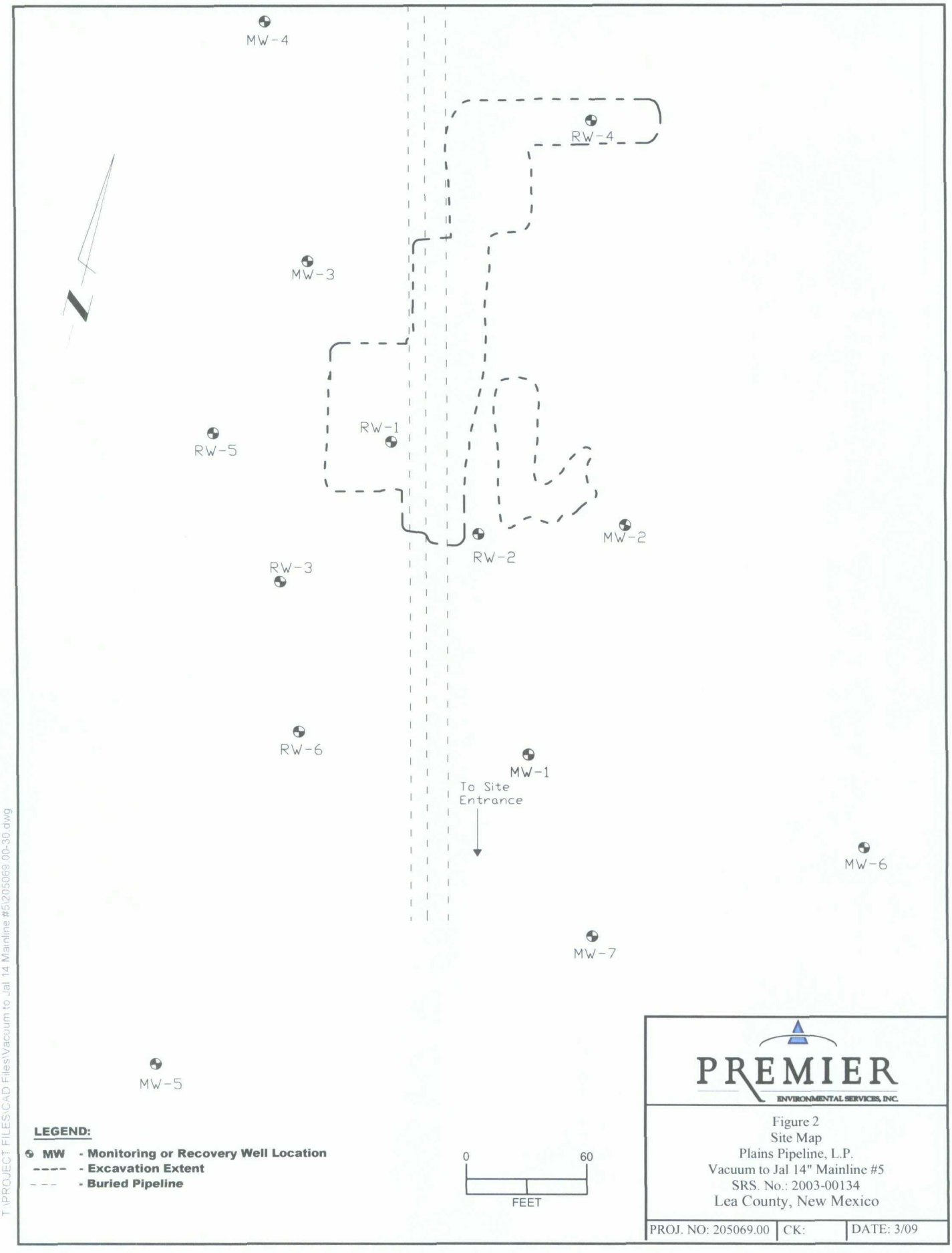

PREMIER
ENVIRONMENTAL SERVICES, INC.

Figure 2
Site Map
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 3/09

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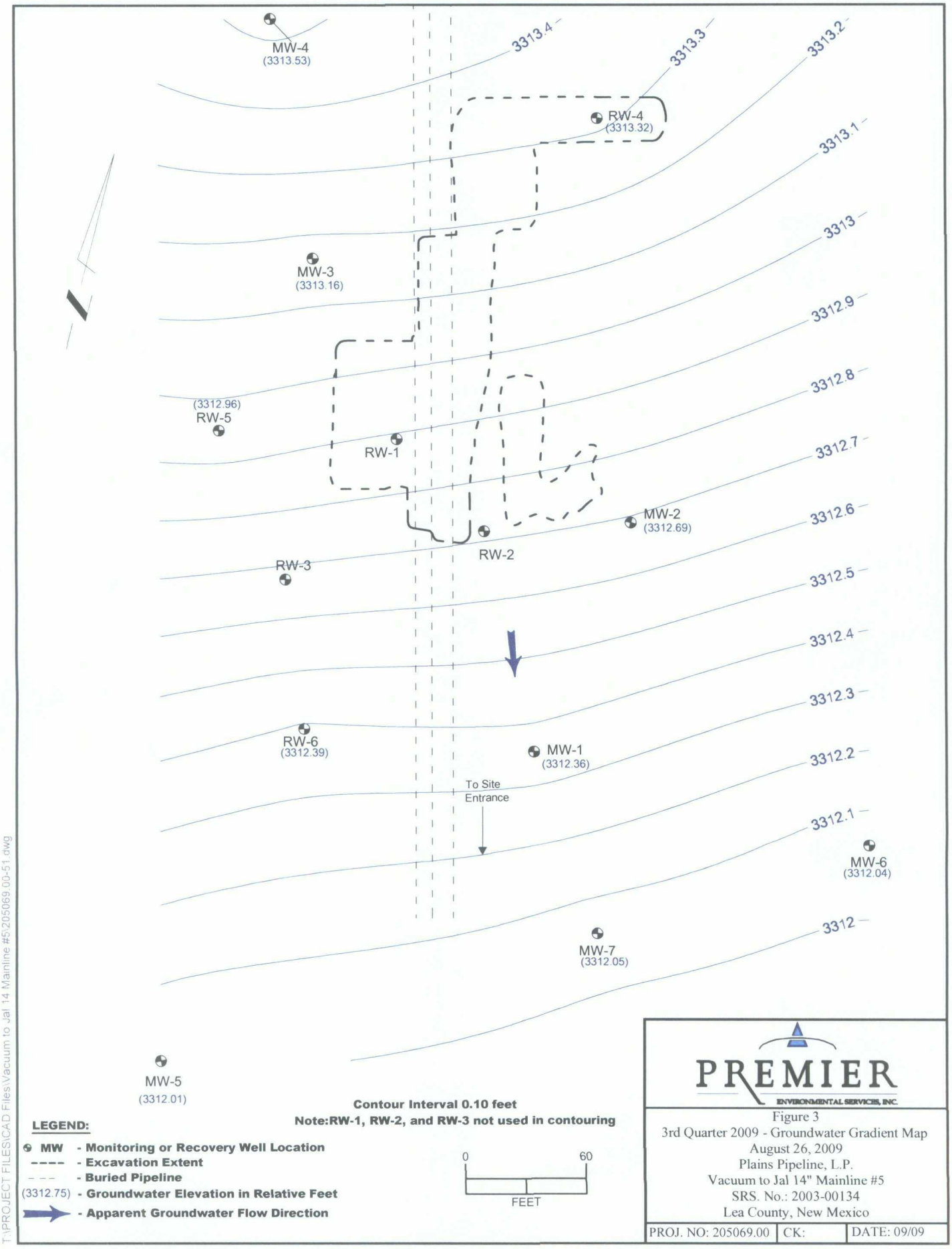

PREMIER
ENVIRONMENTAL SERVICES, INC.

Figure 3
3rd Quarter 2009 - Groundwater Gradient Map
August 26, 2009
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 09/09

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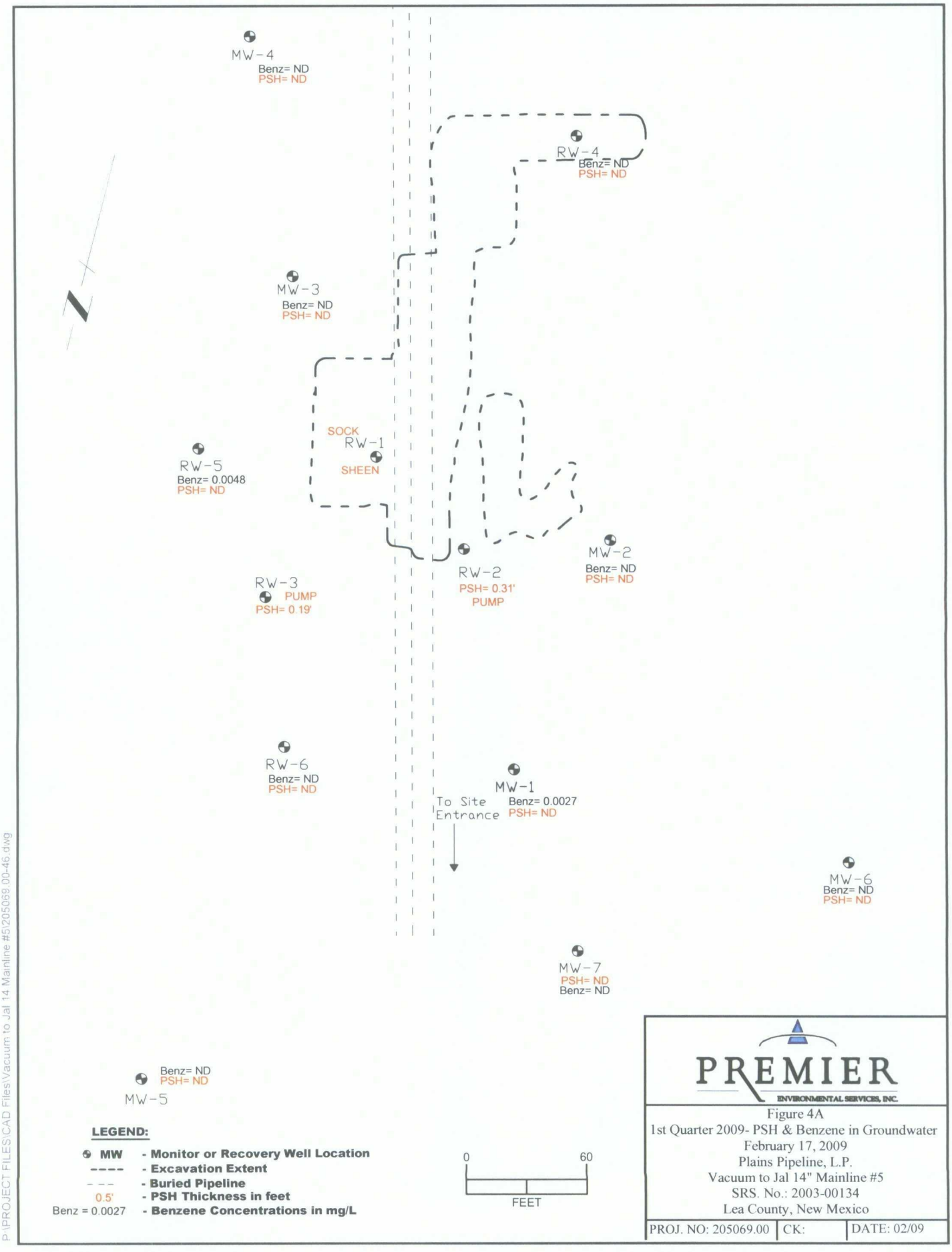

PREMIER
ENVIRONMENTAL SERVICES, INC.

Figure 4A
1st Quarter 2009- PSH & Benzene in Groundwater
February 17, 2009
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 02/09

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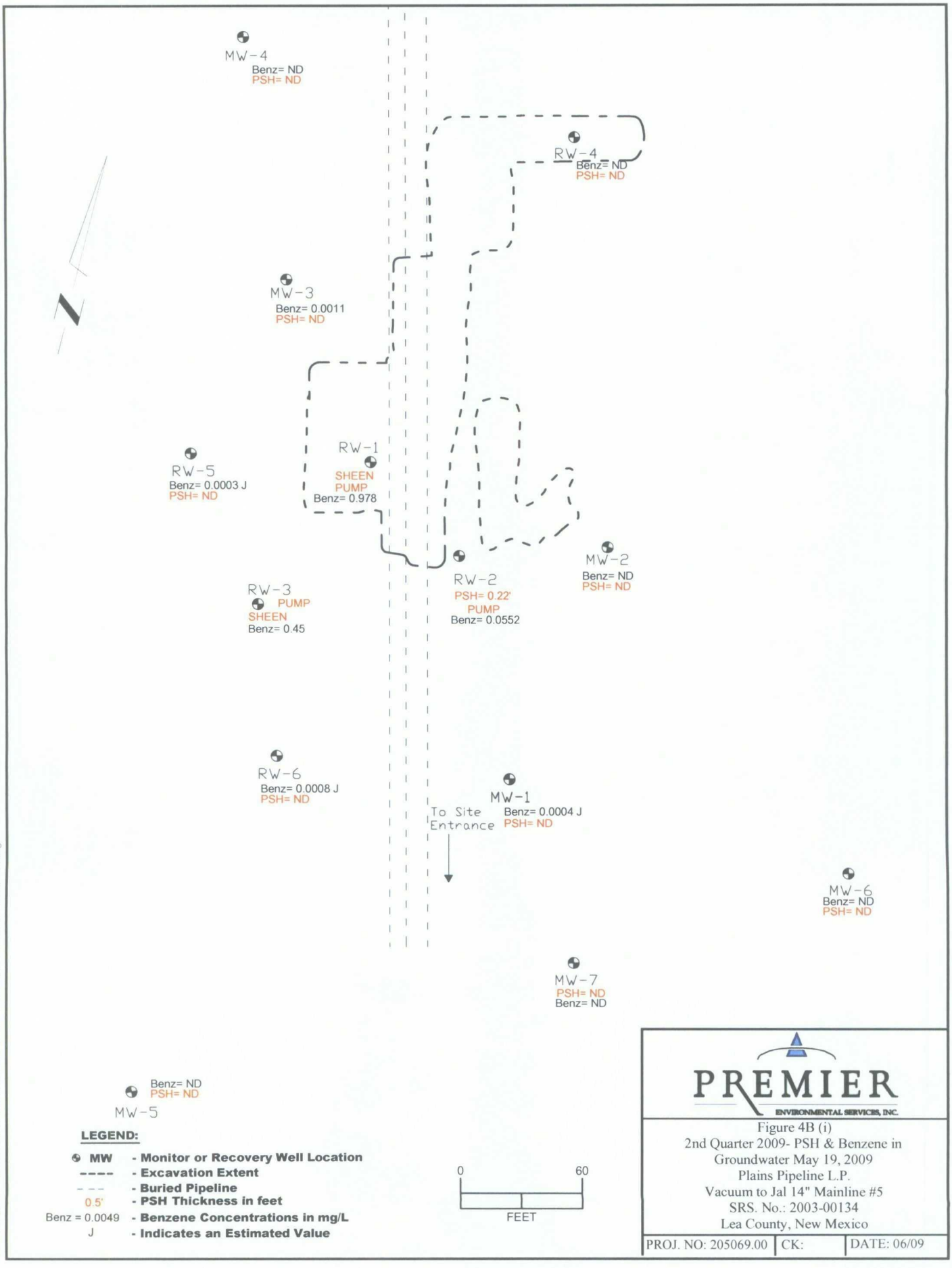

PREMIER ENVIRONMENTAL SERVICES, INC.

Figure 4B (i)
2nd Quarter 2009- PSH & Benzene in Groundwater May 19, 2009
Plains Pipeline L.P.
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 06/09

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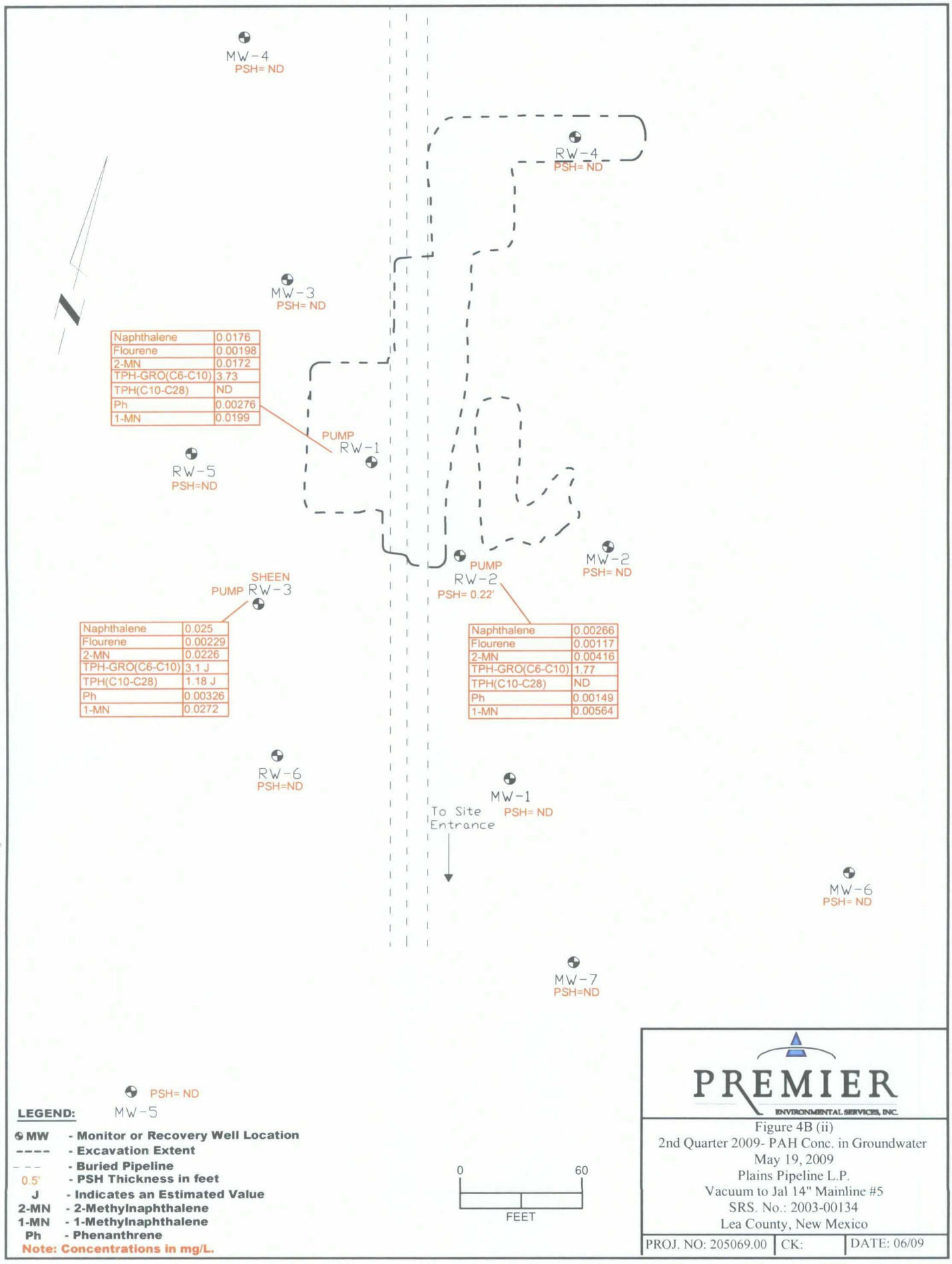

PREMIER
ENVIRONMENTAL SERVICES, INC.

Figure 4B (ii)
2nd Quarter 2009- PAH Conc. in Groundwater
May 19, 2009
Plains Pipeline L.P.
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 06/09

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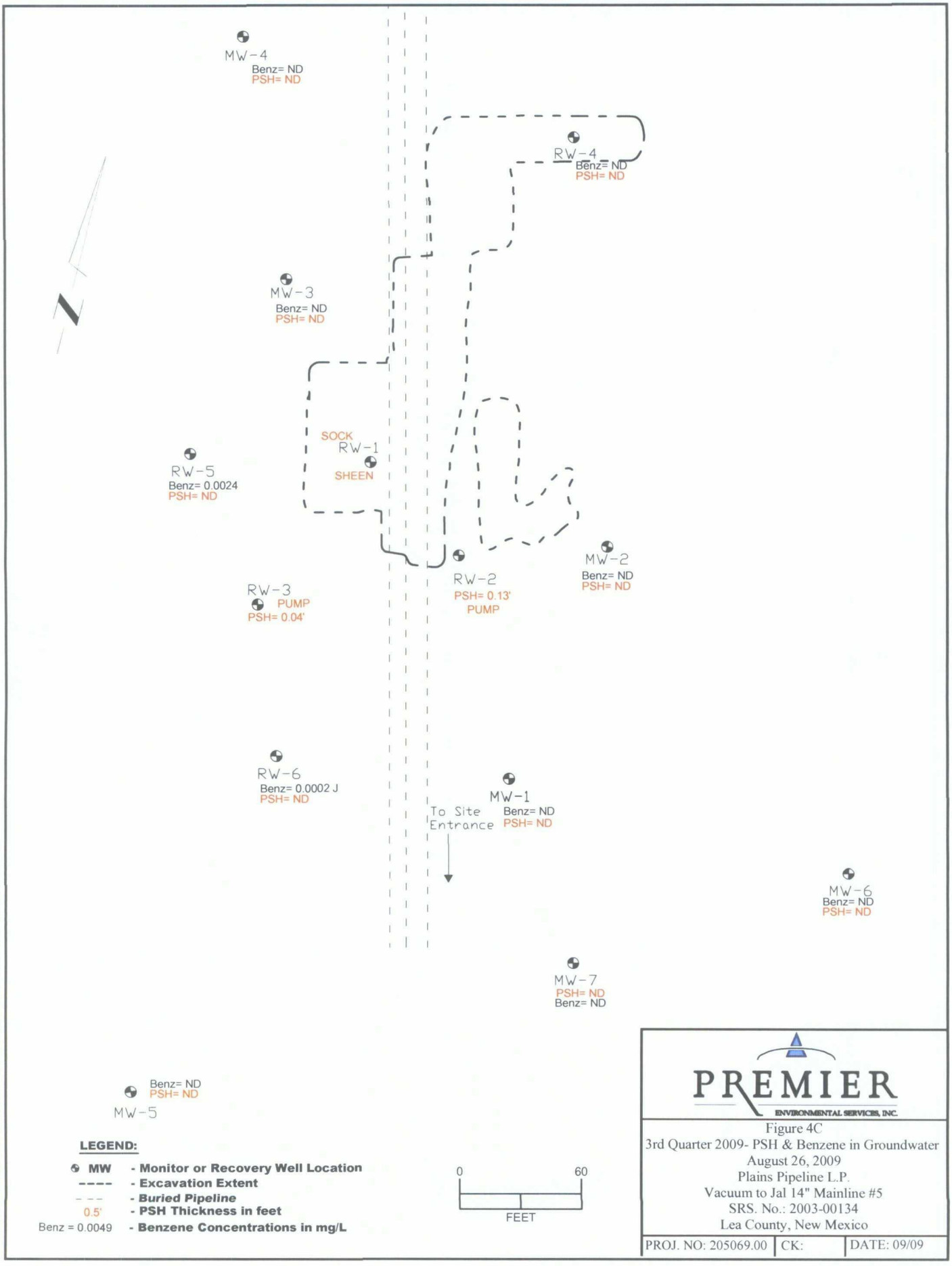

PREMIER
ENVIRONMENTAL SERVICES, INC.

Figure 4C
3rd Quarter 2009- PSH & Benzene in Groundwater
August 26, 2009
Plains Pipeline L.P.
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 09/09

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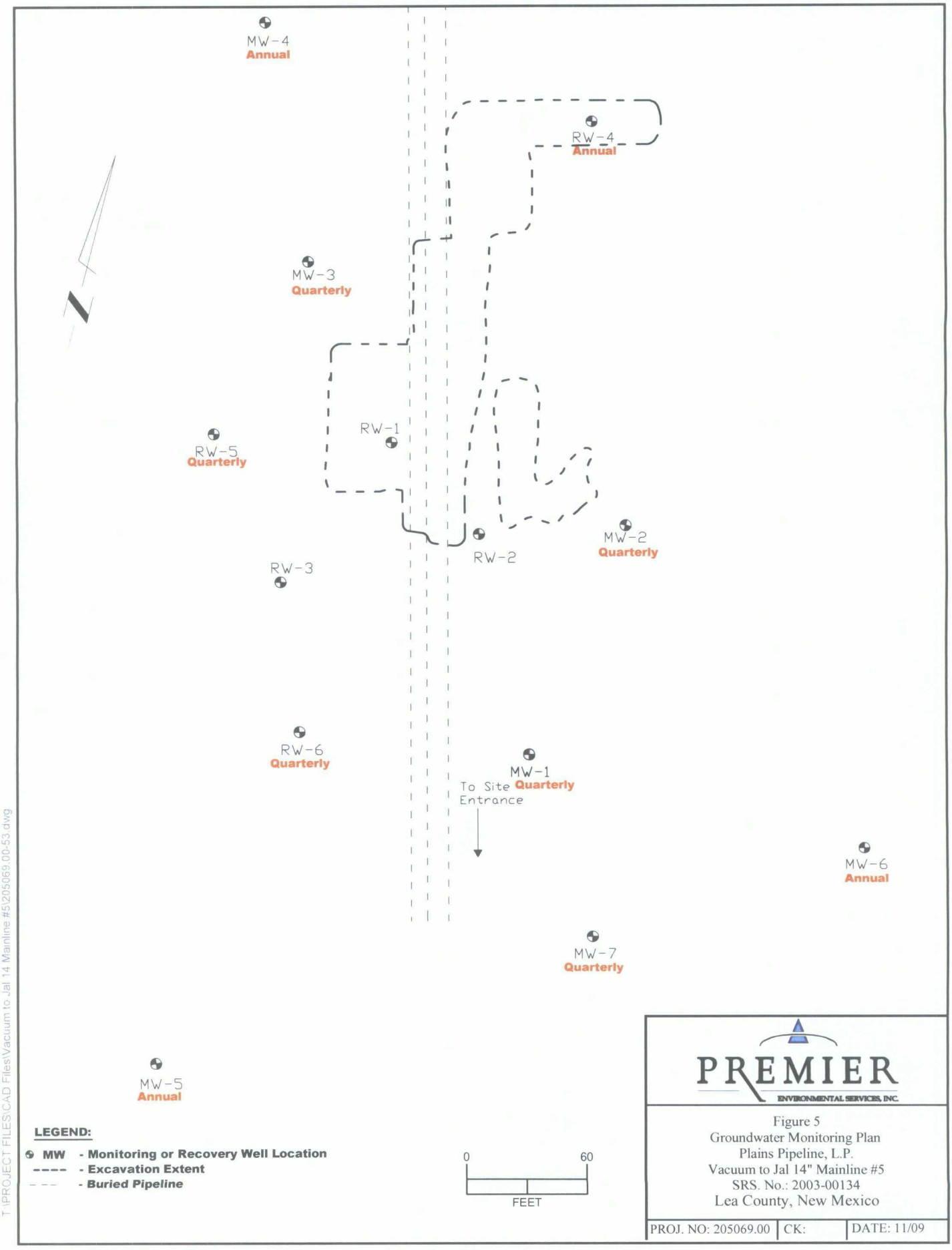

PREMIER
ENVIRONMENTAL SERVICES, INC.

Figure 5
Groundwater Monitoring Plan
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Lea County, New Mexico

PROJ. NO: 205069.00	CK:	DATE: 11/09

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APPENDIX B

Tables

TABLE 1
GROUNDWATER ELEVATION DATA
Plains Marketing L.P.
SRS # 2003--00134
Vacuum to Jal #5
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	01/09/08	3363.04	64.17	NA	50.25	0.00	NA	NA	NA	3312.79
	02/06/08	3363.04	64.17	NA	50.29	0.00	NA	NA	NA	3312.75
	02/27/08	3363.04	64.18	NA	50.42	0.00	NA	NA	NA	3312.62
	04/02/08	3363.04	64.18	NA	50.28	0.00	NA	NA	NA	3312.76
	05/28/08	3363.04	64.11	NA	50.38	0.00	NA	NA	NA	3312.66
	06/18/08	3363.04	64.11	NA	50.42	0.00	NA	NA	NA	3312.62
	07/07/08	3363.04	64.11	NA	50.40	0.00	NA	NA	NA	3312.64
	08/18/08	3363.04	64.14	NA	50.46	0.00	NA	NA	NA	3312.58
	10/29/08	3363.04	64.18	NA	50.52	0.00	NA	NA	NA	3312.52
	11/19/08	3363.04	64.18	NA	50.57	0.00	NA	NA	NA	3312.47
	12/21/08	3363.04	64.18	NA	50.56	0.00	NA	NA	NA	3312.48
	01/07/09	3363.04	64.15	NA	50.44	0.00	NA	NA	NA	3312.60
	02/04/09	3363.04	64.20	NA	50.53	0.00	NA	NA	NA	3312.51
	02/17/09	3363.04	64.18	NA	50.49	ND	NA	NA	NA	3312.55
	03/04/09	3363.04	64.20	NA	49.46	ND	NA	NA	NA	3313.58
	04/08/09	3363.04	64.20	NA	50.51	ND	NA	NA	NA	3312.53
	05/06/09	3363.04	64.20	NA	50.56	ND	NA	NA	NA	3312.48
	05/19/09	3363.04	64.20	NA	50.61	ND	NA	NA	NA	3312.43
	06/03/09	3363.04	64.20	NA	50.63	ND	NA	NA	NA	3312.41
	07/15/09	3363.04	64.20	NA	50.64	ND	NA	NA	NA	3312.40
	08/05/09	3363.04	64.20	NA	50.67	ND	NA	NA	NA	3312.37
	08/26/09	3363.04	64.14	NA	50.68	ND	NA	NA	NA	3312.36
	09/02/09	3363.04	64.14	NA	50.68	ND	NA	NA	NA	3312.36
	10/07/09	3363.04	64.14	NA	50.70	ND	NA	NA	NA	3312.34
MW-2	01/09/08	3362.11	64.07	NA	49.00	0.00	NA	NA	NA	3313.11
	02/06/08	3362.11	64.07	NA	49.01	0.00	NA	NA	NA	3313.10
	02/27/08	3362.11	64.03	NA	49.15	0.00	NA	NA	NA	3312.96
	04/02/08	3362.11	64.03	NA	49.00	0.00	NA	NA	NA	3313.11
	05/28/08	3362.11	64.02	NA	49.13	0.00	NA	NA	NA	3312.98
	06/18/08	3362.11	64.02	NA	49.18	0.00	NA	NA	NA	3312.93
	07/07/08	3362.11	64.02	NA	49.16	0.00	NA	NA	NA	3312.95
	08/18/08	3362.11	64.05	NA	49.18	0.00	NA	NA	NA	3312.93
	10/29/08	3362.11	64.01	NA	49.26	0.00	NA	NA	NA	3312.85
	11/19/08	3362.11	64.01	NA	49.26	0.00	NA	NA	NA	3312.85
	12/21/08	3362.11	64.01	NA	49.29	0.00	NA	NA	NA	3312.82
	01/07/09	3362.11	64.08	NA	49.17	0.00	NA	NA	NA	3312.94
	02/04/09	3362.11	64.10	NA	49.96	0.00	NA	NA	NA	3312.15
	02/17/09	3362.11	64.08	NA	49.22	ND	NA	NA	NA	3312.89
	03/04/09	3362.11	64.07	NA	49.20	ND	NA	NA	NA	3312.91
	04/08/09	3362.11	64.07	NA	49.25	ND	NA	NA	NA	3312.86
	05/06/09	3362.11	64.07	NA	50.27	ND	NA	NA	NA	3311.84
	05/19/09	3362.11	64.07	NA	49.31	ND	NA	NA	NA	3312.80
	06/03/09	3362.11	64.07	NA	49.35	ND	NA	NA	NA	3312.76
	07/15/09	3362.11	64.07	NA	49.37	ND	NA	NA	NA	3312.74
	08/05/09	3362.11	64.07	NA	49.39	ND	NA	NA	NA	3312.72
	08/26/09	3362.11	64.05	NA	49.42	ND	NA	NA	NA	3312.69
	09/02/09	3362.11	64.05	NA	49.40	ND	NA	NA	NA	3312.71
	10/07/09	3362.11	64.05	NA	49.41	ND	NA	NA	NA	3312.70
MW-3	01/09/08	3362.13	64.67	NA	48.51	0.00	NA	NA	NA	3313.62
	02/06/08	3362.13	64.67	NA	48.58	0.00	NA	NA	NA	3313.55
	02/27/08	3362.13	64.65	NA	48.68	0.00	NA	NA	NA	3313.45
	04/02/08	3362.13	64.65	NA	48.50	0.00	NA	NA	NA	3313.63
	05/28/08	3362.13	64.77	NA	48.67	0.00	NA	NA	NA	3313.46

TABLE 1
GROUNDWATER ELEVATION DATA
Plains Marketing L.P.
SRS # 2003--00134
Vacuum to Jal #5
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	06/18/08	3362.13	64.77	NA	48.71	0.00	NA	NA	NA	3313.42
	07/07/08	3362.13	64.77	NA	48.70	0.00	NA	NA	NA	3313.43
	08/18/08	3362.13	64.68	NA	48.74	0.00	NA	NA	NA	3313.39
	10/29/08	3362.13	64.68	NA	48.75	0.00	NA	NA	NA	3313.38
	11/19/08	3362.13	64.68	NA	48.83	0.00	NA	NA	NA	3313.30
	12/21/08	3362.13	64.68	NA	48.85	0.00	NA	NA	NA	3313.28
	01/07/09	3362.13	64.69	NA	48.75	0.00	NA	NA	NA	3313.38
	02/04/09	3362.13	64.69	NA	48.81	0.00	NA	NA	NA	3313.32
	02/17/09	3362.13	64.69	NA	48.78	ND	NA	NA	NA	3313.35
	03/04/09	3362.13	64.70	NA	48.76	ND	NA	NA	NA	3313.37
	04/08/09	3362.13	64.70	NA	48.81	ND	NA	NA	NA	3313.32
	05/06/09	3362.13	64.70	NA	48.82	ND	NA	NA	NA	3313.31
	05/19/09	3362.13	64.70	NA	48.88	ND	NA	NA	NA	3313.25
	06/03/09	3362.13	64.70	NA	48.91	ND	NA	NA	NA	3313.22
	07/15/09	3362.13	64.70	NA	48.94	ND	NA	NA	NA	3313.19
	08/05/09	3362.13	64.70	NA	48.95	ND	NA	NA	NA	3313.18
	08/26/09	3362.13	64.68	NA	48.97	ND	NA	NA	NA	3313.16
	09/02/09	3362.13	64.68	NA	48.94	ND	NA	NA	NA	3313.19
	10/07/09	3362.13	64.68	NA	48.97	ND	NA	NA	NA	3313.16
MW-4	01/09/08	3362.49	63.40	NA	48.51	0.00	NA	NA	NA	3313.98
	02/06/08	3362.49	63.40	NA	48.55	0.00	NA	NA	NA	3313.94
	02/27/08	3362.49	63.39	NA	48.69	0.00	NA	NA	NA	3313.80
	04/02/08	3362.49	63.39	NA	48.49	0.00	NA	NA	NA	3314.00
	05/28/08	3362.49	63.50	NA	48.66	0.00	NA	NA	NA	3313.83
	06/18/08	3362.49	63.50	NA	48.71	0.00	NA	NA	NA	3313.78
	07/07/08	3362.49	63.50	NA	48.68	0.00	NA	NA	NA	3313.81
	08/18/08	3362.49	63.40	NA	48.73	0.00	NA	NA	NA	3313.76
	10/29/08	3362.49	63.41	NA	48.80	0.00	NA	NA	NA	3313.69
	11/19/08	3362.49	63.41	NA	48.81	0.00	NA	NA	NA	3313.68
	12/21/08	3362.49	63.41	NA	48.83	0.00	NA	NA	NA	3313.66
	01/07/09	3362.49	63.41	NA	48.74	0.00	NA	NA	NA	3313.75
	02/04/09	3362.49	63.42	NA	48.81	0.00	NA	NA	NA	3313.68
	02/17/09	3362.49	63.40	NA	48.78	ND	NA	NA	NA	3313.71
	03/04/09	3362.49	63.41	NA	48.74	ND	NA	NA	NA	3313.75
	04/08/09	3362.49	63.41	NA	48.81	ND	NA	NA	NA	3313.68
	05/06/09	3362.49	63.41	NA	48.81	ND	NA	NA	NA	3313.68
	05/19/09	3362.49	63.41	NA	48.88	ND	NA	NA	NA	3313.61
	06/03/09	3362.49	63.41	NA	48.90	ND	NA	NA	NA	3313.59
	07/15/09	3362.49	63.41	NA	48.94	ND	NA	NA	NA	3313.55
	08/05/09	3362.49	63.41	NA	48.93	ND	NA	NA	NA	3313.56
	8/26/209	3362.49	63.40	NA	48.96	ND	NA	NA	NA	3313.53
	09/02/09	3362.49	63.40	NA	48.97	ND	NA	NA	NA	3313.52
	10/07/09	3362.49	63.40	NA	48.95	ND	NA	NA	NA	3313.54
MW-5	01/09/08	3363.67	64.20	NA	51.21	0.00	NA	NA	NA	3312.46
	02/06/08	3363.67	64.20	NA	51.28	0.00	NA	NA	NA	3312.39
	02/27/08	3363.67	63.88	NA	51.42	0.00	NA	NA	NA	3312.25
	04/02/08	3363.67	63.88	NA	51.20	0.00	NA	NA	NA	3312.47
	05/28/08	3363.67	63.75	NA	51.38	0.00	NA	NA	NA	3312.29
	06/18/08	3363.67	63.75	NA	51.44	0.00	NA	NA	NA	3312.23
	07/07/08	3363.67	63.75	NA	51.38	0.00	NA	NA	NA	3312.29
	08/18/08	3363.67	63.73	NA	51.42	0.00	NA	NA	NA	3312.25
	10/29/08	3363.67	63.89	NA	51.48	0.00	NA	NA	NA	3312.19
	11/19/08	3363.67	63.89	NA	51.49	0.00	NA	NA	NA	3312.18

TABLE 1
GROUNDWATER ELEVATION DATA
Plains Marketing L.P.
SRS # 2003--00134
Vacuum to Jal #5
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	12/21/08	3363.67	63.89	NA	51.49	0.00	NA	NA	NA	3312.18
	01/07/09	3363.67	63.74	NA	51.41	0.00	NA	NA	NA	3312.26
	02/04/09	3363.67	63.90	NA	51.49	0.00	NA	NA	NA	3312.18
	02/17/09	3363.67	63.78	NA	51.44	ND	NA	NA	NA	3312.23
	03/04/09	3363.67	63.78	NA	51.42	ND	NA	NA	NA	3312.25
	04/08/09	3363.67	63.78	NA	51.46	ND	NA	NA	NA	3312.21
	05/06/09	3363.67	63.78	NA	51.53	ND	NA	NA	NA	3312.14
	05/19/09	3363.67	63.78	NA	51.57	ND	NA	NA	NA	3312.10
	06/03/09	3363.67	63.78	NA	51.59	ND	NA	NA	NA	3312.08
	07/15/09	3363.67	63.78	NA	51.65	ND	NA	NA	NA	3312.02
	08/05/09	3363.67	63.78	NA	51.65	ND	NA	NA	NA	3312.02
	08/26/09	3363.67	63.71	NA	51.66	ND	NA	NA	NA	3312.01
	09/02/09	3363.67	63.71	NA	51.68	ND	NA	NA	NA	3311.99
	10/07/09	3363.67	63.71	NA	51.57	ND	NA	NA	NA	3312.10
MW-6	01/09/08	3362.6	63.58	NA	50.11	0.00	NA	NA	NA	3312.49
	02/06/08	3362.6	63.58	NA	50.13	0.00	NA	NA	NA	3312.47
	02/27/08	3362.6	63.41	NA	50.25	0.00	NA	NA	NA	3312.35
	04/02/08	3362.6	63.41	NA	50.10	0.00	NA	NA	NA	3312.50
	05/28/08	3362.6	63.45	NA	50.25	0.00	NA	NA	NA	3312.35
	06/18/08	3362.6	63.45	NA	50.30	0.00	NA	NA	NA	3312.30
	07/07/08	3362.6	63.45	NA	50.27	0.00	NA	NA	NA	3312.33
	08/18/08	3362.6	63.60	NA	50.26	0.00	NA	NA	NA	3312.34
	10/29/08	3362.6	63.57	NA	50.31	0.00	NA	NA	NA	3312.29
	11/19/08	3362.6	63.57	NA	50.36	0.00	NA	NA	NA	3312.24
	12/21/08	3362.6	63.57	NA	50.42	0.00	NA	NA	NA	3312.18
	01/07/09	3362.6	63.43	NA	50.27	0.00	NA	NA	NA	3312.33
	02/04/09	3362.6	63.44	NA	50.36	0.00	NA	NA	NA	3312.24
	02/17/09	3362.6	63.44	NA	50.35	ND	NA	NA	NA	3312.25
	03/04/09	3362.6	63.42	NA	50.29	ND	NA	NA	NA	3312.31
	04/08/09	3362.6	63.42	NA	50.34	ND	NA	NA	NA	3312.26
	05/06/09	3362.6	63.42	NA	50.39	ND	NA	NA	NA	3312.21
	05/19/09	3362.6	63.42	NA	50.41	ND	NA	NA	NA	3312.19
	06/03/09	3362.6	63.42	NA	50.45	ND	NA	NA	NA	3312.15
	07/15/09	3362.6	63.42	NA	50.47	ND	NA	NA	NA	3312.13
	08/05/09	3362.6	63.42	NA	50.49	ND	NA	NA	NA	3312.11
	08/26/09	3362.6	63.41	NA	50.56	ND	NA	NA	NA	3312.04
	09/02/02	3362.6	63.41	NA	50.45	ND	NA	NA	NA	3312.15
	10/07/09	3362.6	63.41	NA	50.53	ND	NA	NA	NA	3312.07
MW-7	01/09/08	3362.75	63.74	NA	50.25	0.00	NA	NA	NA	3312.50
	02/06/08	3362.75	63.74	NA	50.20	0.00	NA	NA	NA	3312.55
	02/27/08	3362.75	63.75	NA	50.45	0.00	NA	NA	NA	3312.30
	04/02/08	3362.75	63.75	NA	50.28	0.00	NA	NA	NA	3312.47
	05/28/08	3362.75	63.68	NA	50.12	0.00	NA	NA	NA	3312.63
	06/18/08	3362.75	63.68	NA	50.48	0.00	NA	NA	NA	3312.27
	07/07/08	3362.75	63.68	NA	50.42	0.00	NA	NA	NA	3312.33
	08/18/08	3362.75	63.58	NA	50.47	0.00	NA	NA	NA	3312.28
	10/29/08	3362.75	63.76	NA	50.53	0.00	NA	NA	NA	3312.22
	11/19/08	3362.75	63.76	NA	50.53	0.00	NA	NA	NA	3312.22
	12/21/08	3362.75	63.76	NA	50.57	0.00	NA	NA	NA	3312.18
	01/07/09	3362.75	63.73	NA	50.45	0.00	NA	NA	NA	3312.30
	02/04/09	3362.75	63.61	NA	50.53	0.00	NA	NA	NA	3312.22
	02/17/09	3362.75	63.60	NA	50.51	ND	NA	NA	NA	3312.24
	03/04/09	3362.75	63.77	NA	50.47	ND	NA	NA	NA	3312.28

TABLE 1
GROUNDWATER ELEVATION DATA
Plains Marketing L.P.
SRS # 2003--00134
Vacuum to Jal #5
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	04/08/09	3362.75	63.77	NA	50.52	ND	NA	NA	NA	3312.23
	05/06/09	3362.75	63.77	NA	50.57	ND	NA	NA	NA	3312.18
	05/19/09	3362.75	63.77	NA	50.60	ND	NA	NA	NA	3312.15
	06/03/09	3362.75	63.77	NA	50.65	ND	NA	NA	NA	3312.10
	07/15/09	3362.75	63.77	NA	50.66	ND	NA	NA	NA	3312.09
	08/05/09	3362.75	63.77	NA	50.68	ND	NA	NA	NA	3312.07
	08/26/09	3362.75	63.59	NA	50.70	ND	NA	NA	NA	3312.05
	09/02/09	3362.75	63.59	NA	50.69	ND	NA	NA	NA	3312.06
	10/07/09	3362.75	63.59	NA	50.69	ND	NA	NA	NA	3312.06
RW-1	01/03/08	3348.04	61.73	50.48	50.48	0.00	Sock	NA	NA	3297.56
	01/09/08	3348.04	61.73	50.50	50.50	0.00	Sock	NA	NA	3297.54
	01/17/08	3348.04	61.73	50.50	50.50	0.00	Sock	NA	NA	3297.54
	01/23/08	3348.04	61.73	50.44	50.44	0.00	Sock	NA	NA	3297.60
	01/30/08	3348.04	61.73	50.56	50.56	0.00	Sock	NA	NA	3297.48
	02/06/08	3348.04	61.73	50.56	50.56	0.00	Sock	NA	NA	3297.48
	02/13/08	3348.04	61.73	50.54	50.54	0.00	Sock	NA	NA	3297.50
	02/18/08	3348.04	61.73	50.34	50.34	0.00	Hand Bailed	0	20	3297.70
	02/18/08	3348.04	61.73	53.12	53.12	0.00	Sock	NA	NA	3294.92
	02/27/08	3348.04	61.73	50.37	50.37	0.00	Sock	NA	NA	3297.67
	03/04/08	3348.04	61.73	50.41	50.41	0.00	Sock	NA	NA	3297.63
	03/12/08	3348.04	61.73	50.43	50.43	0.00	Sock	NA	NA	3297.61
	03/19/08	3348.04	61.73	50.45	50.45	0.00	Sock	NA	NA	3297.59
	03/26/08	3348.04	61.73	50.45	50.45	0.00	Sock	NA	NA	3297.59
	04/02/08	3348.04	61.73	50.50	50.50	0.00	Sock	NA	NA	3297.54
	04/09/08	3348.04	61.73	50.50	50.50	0.00	Sock	NA	NA	3297.54
	04/16/08	3348.04	61.73	50.52	50.52	0.00	Sock	NA	NA	3297.52
	04/24/08	3348.04	61.73	50.70	50.70	0.00	Sock	NA	NA	3297.34
	04/30/08	3348.04	61.73	50.60	50.60	0.00	Sock	NA	NA	3297.44
	05/07/08	3348.04	61.73	50.62	50.62	0.00	Sock	NA	NA	3297.42
	05/14/08	3348.04	61.73	50.68	50.68	0.00	Sock	NA	NA	3297.36
	05/22/08	3348.04	61.73	50.70	50.70	0.00	Sock	NA	NA	3297.34
	05/28/08	3348.04	61.70	50.70	50.70	0.00	Flip Sock	NA	NA	3297.34
	06/04/08	3348.04	61.70	50.75	50.75	0.00	Sock	NA	NA	3297.29
	06/11/08	3348.04	61.70	50.80	50.80	0.00	Sock	NA	NA	3297.24
	06/18/08	3348.04	61.70	50.84	50.84	0.00	Sock	NA	NA	3297.20
	06/26/08	3348.04	61.70	50.90	50.90	0.00	Sock	NA	NA	3297.14
	07/02/08	3348.04	61.70	50.91	50.91	0.00	Sock	NA	NA	3297.13
	07/07/08	3348.04	61.70	50.73	50.73	0.00	New sock	NA	NA	3297.31
	07/16/08	3348.04	61.70	50.77	50.77	0.00	Sock	NA	NA	3297.27
	07/22/08	3348.04	61.70	50.81	50.81	0.00	Sock	NA	NA	3297.23
	07/29/08	3348.04	61.70	50.85	50.85	0.00	Sock	NA	NA	3297.19
	08/06/08	3348.04	61.70	50.82	50.82	0.00	Sock	NA	NA	3297.22
	08/13/08	3348.04	61.70	50.80	50.80	0.00	New sock	NA	NA	3297.24
	08/18/08	3348.04	61.70	DNG	DNG	DNG	Sock	NA	NA	DNG
	08/27/08	3348.04	61.70	50.87	50.87	0.00	Sock	NA	NA	3297.17
	09/02/08	3348.04	61.70	50.91	50.91	0.00	Sock	NA	NA	3297.13
	09/09/08	3348.04	61.70	50.95	50.95	0.00	Sock	NA	NA	3297.09
	09/16/08	3348.04	61.70	50.42	50.42	0.00	Sock	NA	NA	3297.62
	09/24/08	3348.04	61.70	50.79	50.79	0.00	Sock	NA	NA	3297.25
	10/01/08	3348.04	61.70	50.65	50.65	0.00	Sock	NA	NA	3297.39
	10/08/08	3348.04	61.70	50.92	50.92	0.00	Sock	NA	NA	3297.12
	10/15/08	3348.04	61.70	50.70	50.73	0.03	Sock	0.5	14.5	3297.33
	10/22/08	3348.04	61.70	50.52	50.52	0.00	Sock	NA	NA	3297.52

TABLE 1
GROUNDWATER ELEVATION DATA
Plains Marketing L.P.
SRS # 2003--00134
Vacuum to Jal #5
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)	
RW-1	10/29/08	3348.04	61.70	50.55	50.55	0.00	Sock	NA	NA	3297.49
	11/05/08	3348.04	61.70	50.56	50.56	0.00	Sock	NA	NA	3297.48
	11/12/08	3348.04	61.70	50.52	50.52	0.00	Sock	NA	NA	3297.52
	11/19/08	3348.04	61.70	50.64	50.64	0.00	Sock	NA	NA	3297.40
	11/26/08	3348.04	61.70	50.56	50.56	0.00	pump	NA	10	3297.48
	11/26/08	3348.04	61.70	51.13	51.13	0.00	NA	NA	NA	3296.91
	12/03/08	3348.04	61.70	50.64	50.64	0.00	pump	NA	10	3297.40
	12/03/08	3348.04	61.70	51.27	51.27	0.00	NA	NA	NA	3296.77
	12/10/08	3348.04	61.70	50.73	50.73	0.00	pump	0	9	3297.31
	12/10/08	3348.04	61.70	50.72	50.72	0.00	NA	NA	NA	3297.32
	12/17/08	3348.04	61.70	50.79	50.79	0.00	pump	0	10	3297.25
	12/17/08	3348.04	61.70	50.83	50.83	0.00	NA	NA	NA	3297.21
	12/21/08	3348.04	61.70	50.96	50.96	0.00	Sock	NA	NA	3297.08
	12/31/08	3348.04	61.70	50.62	50.62	0.00	Sock	0	10	3297.42
	12/31/08	3348.04	61.70	50.60	50.60	0.00	NA	NA	NA	3297.44
	01/07/09	3348.04	61.75	50.54	50.54	0.00	Sock	NA	NA	3297.50
	01/15/09	3348.04	61.75	50.58	50.58	0.00	Sock	0	10	3297.46
	01/15/09	3348.04	61.75	51.77	51.77	0.00	Sock	NA	NA	3296.27
	01/22/09	3348.04	61.75	50.59	50.59	0.00	New Sock	0	10	3297.45
	01/22/09	3348.04	61.75	51.37	51.37	0.00	NA	NA	NA	3296.67
	01/28/09	3348.04	61.75	50.48	50.48	0.00	Flip sock	0	10	3297.56
	01/28/09	3348.04	61.75	52.33	52.33	0.00	NA	NA	NA	3295.71
	02/04/09	3348.04	61.64	50.62	50.62	0.00	Hand Bail	0	10	3297.42
	02/04/09	3348.04	61.64	52.01	52.01	0.00	NA	NA	NA	3296.03
	02/11/09	3348.04	61.64	50.55	50.55	0.00	Hand Bail	0	20	3297.49
	02/11/09	3348.04	61.64	50.56	50.56	0.00	NA	NA	NA	3297.48
	02/17/09	3348.04	61.64	50.46	50.46	0.00	Pump	0	10	3297.58
	02/17/09	3348.04	61.64	50.44	50.44	0.00	NA	NA	NA	3297.60
	02/25/09	3348.04	61.64	50.54	50.54	0.00	Pump/Flip Sock	0	20	3297.50
	02/25/09	3348.04	61.64	50.49	50.49	0.00	NA	NA	NA	3297.55
	03/04/09	3348.04	61.65	50.54	50.54	0.00	New Sock	0	15	3297.50
	03/04/09	3348.04	61.65	52.27	52.27	0.00	NA	NA	NA	3295.77
	03/11/09	3348.04	61.65	50.63	50.63	0.00	Flip sock	0	10	3297.41
	03/11/09	3348.04	61.65	50.83	50.83	0.00	NA	NA	NA	3297.21
	03/18/09	3348.04	61.65	50.47	50.47	0.00	New Sock	0	10	3297.57
	03/18/09	3348.04	61.65	50.95	50.95	0.00	NA	NA	NA	3297.09
	03/25/09	3348.04	61.65	50.42	50.42	0.00	Flip sock	0	10	3297.62
	03/25/09	3348.04	61.65	51.29	51.29	0.00	NA	NA	NA	3296.75
	04/01/09	3348.04	61.65	50.52	50.52	0.00	New Sock	NA	NA	3297.52
	04/08/09	3348.04	61.65	50.48	50.48	0.00	NA	NA	NA	3297.56
	04/08/09	3348.04	61.65	51.25	51.25	0.00	NA	NA	NA	3296.79
	04/15/09	3348.04	61.65	50.85	50.85	0.00	NA	NA	NA	3297.19
	04/22/09	3348.04	61.65	50.64	50.64	0.00	NA	NA	NA	3297.40
	04/29/09	3348.04	61.65	50.52	50.52	0.00	NA	NA	NA	3297.52
	05/06/09	3348.04	61.65	50.63	50.63	0.00	NA	NA	NA	3297.41
	05/06/09	3348.04	61.65	52.44	52.44	0.00	pump	0	10	3295.60
	05/14/09	3348.04	61.65	50.75	50.75	0.00	NA	NA	NA	3297.29
	05/19/09	3348.04	61.65	50.56	50.56	0.00	pump	0	22	3297.48
	05/27/09	3348.04	61.65	50.57	50.57	0.00	NA	NA	NA	3297.47
	05/27/09	3348.04	61.65	52.35	52.35	0.00	pump	0	10	3295.69
	06/03/09	3348.04	61.65	50.19	50.19	0.00	NA	NA	NA	3297.85
	06/03/09	3348.04	61.65	50.36	50.36	0.00	pump	0	15	3297.68
	06/11/09	3348.04	61.65	50.56	50.56	0.00	NA	NA	NA	3297.48

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Plains Marketing L.P.
SRS # 2003--00134
Vacuum to Jal #5
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)	
RW-1	06/11/09	3348.04	61.65	52.03	52.03	0.00	pump	0	10	3296.01
	06/17/09	3348.04	61.65	50.68	50.68	0.00	NA	NA	NA	3297.36
	06/23/09	3348.04	61.65	50.75	50.75	0.00	NA	NA	NA	3297.29
	07/01/09	3348.04	61.65	50.37	50.37	0.00	Flip sock	NA	NA	3297.67
	07/07/09	3348.04	61.65	51.00	51.00	0.00	NA	NA	NA	3297.04
	07/15/09	3348.04	61.65	51.00	51.00	0.00	New Sock	NA	NA	3297.04
	07/29/09	3348.04	61.65	50.80	50.80	0.00	NA	NA	NA	3297.24
	08/05/09	3348.04	61.65	50.73	50.73	0.00	Flip sock	NA	NA	3297.31
	08/12/09	3348.04	61.65	50.80	50.80	0.00	NA	NA	NA	3297.24
	08/19/09	3348.04	61.65	50.80	50.80	0.00	New Sock	NA	NA	3297.24
	08/26/09	3348.04	61.65	50.75	50.75	0.00	NA	NA	NA	3297.29
	09/02/09	3348.04	61.65	50.79	50.79	0.00	NA	NA	NA	3297.25
	09/09/09	3348.04	61.65	50.82	50.82	0.00	NA	NA	NA	3297.22
	09/16/09	3348.04	61.65	50.96	50.96	0.00	NA	NA	NA	3297.08
	09/23/09	3348.04	61.65	50.96	50.96	0.00	New Sock	NA	NA	3297.08
	09/30/09	3348.04	61.65	50.77	50.77	0.00	Pump	0	10	3297.27
	09/30/09	3348.04	61.65	54.20	54.20	0.00	NA	NA	NA	3293.84
	10/07/09	3348.04	61.65	50.87	50.87	0.00	NA	NA	NA	3297.17
	10/14/09	3348.04	61.65	50.93	50.93	0.00	NA	NA	NA	3297.11
	10/21/09	3348.04	61.65	50.75	50.75	0.00	NA	NA	NA	3297.29
RW-2	01/03/08	3362	62.75	49.06	49.92	0.86	Hand Bailed	1	4	3312.73
	01/03/08	3362	62.75	50.02	50.08	0.06	No Sock	NA	NA	3311.97
	01/09/08	3362	62.75	49.11	49.91	0.80	Hand Bailed	1.5	8.5	3312.69
	01/09/08	3362	62.75	49.90	49.93	0.03	No Sock	NA	NA	3312.09
	01/17/08	3362	62.75	48.55	49.75	1.20	Hand Bailed	1	9	3313.15
	01/17/08	3362	62.75	50.50	50.50	0.00	No Sock	NA	NA	3311.50
	01/23/08	3362	62.75	49.12	49.55	0.43	Hand Bailed	1	9	3312.77
	01/30/08	3362	62.75	49.02	49.65	0.63	Hand Bailed	1	19	3312.82
	01/30/08	3362	62.75	50.60	50.60	0.00	No Sock	NA	NA	3311.40
	02/06/08	3362	62.75	48.08	48.50	0.42	Hand Bailed	1	19	3313.82
	02/06/08	3362	62.75	50.02	50.02	0.00	No Sock	NA	NA	3311.98
	02/13/08	3362	62.75	49.03	49.03	0.00	Hand Bailed	1	19	3312.97
	02/13/08	3362	62.75	50.00	50.01	0.01	No Sock	NA	NA	3312.00
	02/18/08	3362	62.75	49.11	49.39	0.28	Hand Bailed	1	19	3312.82
	02/18/08	3362	62.75	48.95	48.95	0.00	No Sock	NA	NA	3313.05
	02/27/08	3362	62.75	49.14	49.38	0.24	Hand Bailed	1	19	3312.80
	02/27/08	3362	62.75	50.07	50.07	0.00	No Sock	NA	NA	3311.93
	03/04/08	3362	62.75	49.10	49.38	0.28	Hand Bailed	0.25	20	3312.83
	03/04/08	3362	62.75	50.42	50.42	0.00	No Sock	NA	NA	3311.58
	03/12/08	3362	62.75	49.05	49.44	0.39	Hand Bailed	1	19	3312.85
	03/12/08	3362	62.75	50.30	50.30	0.00	No Sock	NA	NA	3311.70
	03/19/08	3362	62.75	49.11	49.41	0.30	Hand Bailed	0.5	19	3312.82
	03/19/08	3362	62.75	50.49	50.49	0.00	No Sock	NA	NA	3311.51
	03/26/08	3362	62.75	49.06	49.66	0.60	Hand Bailed	0.5	19	3312.79
	03/26/08	3362	62.75	50.15	50.15	0.00	No Sock	NA	NA	3311.85
	04/02/08	3362	62.75	49.08	49.45	0.37	Pump	0.5	19	3312.83
	04/02/08	3362	62.75	50.08	50.08	0.00	No Sock	NA	NA	3311.92
	04/09/08	3362	62.75	49.04	49.33	0.29	Pump	0.5	19	3312.89
	04/09/08	3362	62.75	50.00	50.00	0.00	No Sock	NA	NA	3312.00
	04/16/08	3362	62.75	49.09	49.39	0.30	Pump	0.5	19	3312.84
	04/16/08	3362	62.75	50.16	50.16	0.00	No Sock	NA	NA	3311.84
	04/24/08	3362	62.75	49.06	49.65	0.59	No Sock	NA	NA	3312.79
	04/30/08	3362	62.75	49.01	49.77	0.76	Pump	0.5	19	3312.80
	04/30/08	3362	62.75	50.00	50.00	0.00	No Sock	NA	NA	3312.00

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								PSH (gallons)	Water (gallons)	
RW-2	05/07/08	3362	62.75	48.98	49.80	0.82	Pump	0.5	19	3312.82
	05/07/08	3362	62.75	50.28	50.28	0.00	No Sock	NA	NA	3311.72
	05/14/08	3362	62.75	48.91	49.85	0.94	Pump	0.75	19	3312.86
	05/14/08	3362	62.75	50.36	50.36	0.00	No Sock	NA	NA	3311.64
	05/22/08	3362	62.75	48.98	49.82	0.84	Pump	0.75	19	3312.81
	05/22/08	3362	62.75	50.43	50.43	0.00	No Sock	NA	NA	3311.57
	05/28/08	3362	62.75	49.05	49.99	0.94	Pump	1	26	3312.72
	05/28/08	3362	62.75	50.21	50.21	0.00	No Sock	NA	NA	3311.79
	06/04/08	3362	62.75	49.10	49.86	0.76	Pump	1	19	3312.71
	06/04/08	3362	62.75	50.96	50.96	0.00	No Sock	NA	NA	3311.04
	06/11/08	3362	62.75	49.09	49.90	0.81	Pump	1	19	3312.71
	06/11/08	3362	62.75	51.21	51.21	0.00	No Sock	NA	NA	3310.79
	06/18/08	3362	62.75	49.10	50.01	0.91	Pump	1	19	3312.67
	06/18/08	3362	62.75	50.86	50.86	0.00	No Sock	NA	NA	3311.14
	06/26/08	3362	62.75	49.14	50.08	0.94	Pump	1	19	3312.63
	06/26/08	3362	62.75	59.12	59.12	0.00	No Sock	NA	NA	3302.88
	07/02/08	3362	62.75	49.20	50.04	0.84	Pump	1	19	3312.59
	07/02/08	3362	62.75	51.20	51.20	0.00	No Sock	NA	NA	3310.80
	07/07/08	3362	62.75	49.20	50.13	0.93	Pump	1	19	3312.57
	07/07/08	3362	62.75	50.26	50.26	0.00	No Sock	NA	NA	3311.74
	07/16/08	3362	62.75	49.21	50.18	0.97	Pump	1	19	3312.55
	07/16/08	3362	62.75	50.48	50.48	0.00	No Sock	NA	NA	3311.52
	07/22/08	3362	62.75	49.26	50.24	0.98	Pump	1	19	3312.50
	07/22/08	3362	62.75	50.56	50.56	0.00	No Sock	NA	NA	3311.44
	07/29/08	3362	62.75	49.30	50.29	0.99	Pump	1	19	3312.45
	07/29/08	3362	62.75	51.12	51.12	0.00	No Sock	NA	NA	3310.88
	08/06/08	3362	62.75	49.23	50.25	1.02	Pump	1	19	3312.52
	08/06/08	3362	62.75	50.89	50.89	0.00	No Sock	NA	NA	3311.11
	08/13/08	3362	62.75	49.28	50.33	1.05	Pump	1	4	3312.46
	08/13/08	3362	62.75	51.06	51.06	0.00	No Sock	NA	NA	3310.94
	08/18/08	3362	62.75	NG	NG	NG	No Sock	NA	NA	NG
	08/27/08	3362	62.75	49.33	50.39	1.06	No Sock	NA	NA	3312.41
	09/02/08	3362	62.75	49.28	50.43	1.15	No Sock	NA	NA	3312.43
	09/09/08	3362	62.75	49.28	50.44	1.16	No Sock	NA	NA	3312.43
	09/16/08	3362	62.75	49.18	50.87	1.69	Pump	2	9	3312.40
	09/16/08	3362	62.75	49.62	49.62	0.00	NA	NA	NA	3312.38
	09/24/08	3362	62.75	49.19	50.85	1.66	Pump	1	9	3312.40
	09/24/08	3362	62.75	50.75	50.75	0.00	NA	NA	NA	3311.25
	10/01/08	3362	62.75	49.15	50.62	1.47	Pump	2	10	3312.48
	10/01/08	3362	62.75	49.95	49.95	0.00	NA	NA	NA	3312.05
	10/08/08	3362	62.75	49.40	49.40	0.00	Pump	2	18	3312.60
	10/08/08	3362	62.75	49.20	50.52	1.32	NA	NA	NA	3312.47
	10/15/08	3362	62.75	49.28	50.27	0.99	Pump	4	36	3312.47
	10/22/08	3362	62.75	49.38	50.18	0.80	Pump	3	17	3312.42
	10/22/08	3362	62.75	50.04	50.04	0.00	NA	NA	NA	3311.96
	10/29/08	3362	62.75	49.29	50.19	0.90	Pump	3	27	3312.49
	10/29/08	3362	62.75	49.70	49.70	0.00	NA	NA	NA	3312.30
	11/05/08	3362	62.75	49.32	50.21	0.89	Pump	1	19	3312.46
	11/05/08	3362	62.75	49.61	49.61	0.00	NA	NA	NA	3312.39
	11/12/08	3362	62.75	49.21	50.11	0.90	Pump	1	19	3312.57
	11/12/08	3362	62.75	48.38	48.39	0.01	NA	NA	NA	3313.62
	11/19/08	3362	62.75	49.29	49.92	0.63	pump	2	38	3312.55
	11/19/08	3362	62.75	50.10	50.10	0.00	NA	NA	NA	3311.90
	11/26/08	3362	62.75	49.33	49.76	0.43	Pump	0.5	19.5	3312.56
	11/26/08	3362	62.75	49.41	49.46	0.05	NA	NA	NA	3312.58

TABLE 1
GROUNDWATER ELEVATION DATA
Plains Marketing L.P.
SRS # 2003--00134
Vacuum to Jal #5
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)	
RW-2	12/03/08	3362	62.75	49.34	49.81	0.47	Pump	0.5	9.5	3312.54
	12/03/08	3362	62.75	49.44	49.44	0.00	New sock	NA	NA	3312.56
	12/10/08	3362	62.75	49.47	49.51	0.04	Pump	0.5	9.5	3312.52
	12/10/08	3362	62.75	49.51	49.51	0.00	NA	NA	NA	3312.49
	12/17/08	3362	62.75	49.43	49.52	0.09	Flip Sock	0.25	9.75	3312.55
	12/17/08	3362	62.75	49.49	49.49	0.00	NA	NA	NA	3312.51
	12/21/08	3362	62.75	49.39	49.91	0.52	No Sock	0.5	14.5	3312.48
	12/21/08	3362	62.75	50.18	50.18	0.00	NA	NA	NA	3311.82
	12/31/08	3362	62.75	49.41	49.90	0.49	NA	0.25	9.75	3312.47
	12/31/08	3362	62.75	49.43	49.51	0.08	NA	NA	NA	3312.55
	01/07/09	3362	63.07	49.35	49.80	0.45	Hand bail	1	9	3312.54
	01/07/09	3362	63.07	49.41	49.42	0.01	NA	NA	NA	3312.59
	01/15/09	3362	63.07	49.39	49.90	0.51	Pump	0.5	9.5	3312.48
	01/15/09	3362	63.07	49.54	49.54	0.00	NA	NA	NA	3312.46
	01/22/09	3362	63.07	49.34	49.73	0.39	Hand bail/No Sock	0.5	9.5	3312.56
	01/28/09	3362	63.07	49.34	49.75	0.41	Hand bail/No Sock	0.25	9.75	3312.56
	01/28/09	3362	63.07	49.41	49.45	0.04	NA	NA	NA	3312.58
	02/04/09	3362	61.10	49.40	49.87	0.47	Pump	0.5	16.5	3312.48
	02/04/09	3362	61.10	49.56	49.56	0.00	NA	NA	NA	3312.44
	02/11/09	3362	61.10	49.41	49.77	0.36	Pump	0.5	24.5	3312.50
	02/11/09	3362	61.10	49.49	49.49	0.00	NA	NA	NA	3312.51
	02/17/09	3362	61.10	49.36	49.67	0.31	Pump	1	39	3312.56
	02/17/09	3362	61.10	49.40	49.40	0.00	NA	NA	NA	3312.60
	02/25/09	3362	61.10	49.37	49.76	0.39	Pump	0.25	19.75	3312.53
	02/25/09	3362	61.10	49.56	49.56	0.00	NA	NA	NA	3312.44
	03/04/09	3362	61.10	49.31	49.70	0.39	Pump	0.5	19.5	3312.59
	03/04/09	3362	61.10	49.32	49.32	0.00	NA	NA	NA	3312.68
	03/11/09	3362	61.10	49.46	49.79	0.33	Pump	0.5	19.5	3312.46
	03/11/09	3362	61.10	49.48	49.48	0.00	NA	NA	NA	3312.52
	03/18/09	3362	61.10	49.35	49.67	0.32	Pump	0.25	14.75	3312.57
	03/18/09	3362	61.10	49.41	49.41	0.00	NA	NA	NA	3312.59
	03/25/09	3362	61.10	49.31	49.65	0.34	Pump	0.1	19.9	3312.61
	03/25/09	3362	61.10	49.69	49.69	0.00	NA	NA	NA	3312.31
	04/01/09	3362	61.10	49.32	49.74	0.42	NA	NA	NA	3312.58
	04/08/09	3362	61.10	49.33	49.98	0.65	Pump	0.5	19.5	3312.51
	04/08/09	3362	61.10	49.49	49.49	0.00	NA	NA	NA	3312.51
	04/15/09	3362	61.10	49.35	49.75	0.40	Pump	0.25	14.75	3312.55
	04/15/09	3362	61.10	50.24	50.24	0.00	NA	NA	NA	3311.76
	04/22/09	3362	61.10	49.30	49.95	0.65	NA	NA	NA	3312.54
	04/29/09	3362	61.10	49.40	49.72	0.32	Pump	0.5	19.5	3312.52
	04/29/09	3362	61.10	49.69	49.69	0.00	NA	NA	NA	3312.31
	05/06/09	3362	61.10	49.44	49.74	0.30	Pump	1.5	18.5	3312.49
	05/06/09	3362	61.10	49.50	49.50	0.00	NA	NA	NA	3312.50
	05/14/09	3362	61.10	49.41	49.75	0.34	NA	NA	NA	3312.51
	05/14/09	3362	61.10	49.99	49.99	0.00	Pump	0.5	19.5	3312.01
	05/19/09	3362	61.10	49.48	49.70	0.22	Pump	0.5	30	3312.47
	05/27/09	3362	61.10	49.43	49.72	0.29	NA	NA	NA	3312.50
	05/27/09	3362	61.10	50.01	50.01	0.00	Pump	0.5	19.5	3311.99
	06/03/09	3362	61.10	49.49	49.86	0.37	NA	NA	NA	3312.42
	06/03/09	3362	61.10	49.64	49.64	0.00	Pump	0.5	19.5	3312.36
	06/11/09	3362	61.10	49.50	49.82	0.32	NA	NA	NA	3312.42
	06/11/09	3362	61.10	49.71	49.71	0.00	Pump	0.5	19.5	3312.29
	06/17/09	3362	61.10	49.45	49.83	0.38	NA	NA	NA	3312.46
	06/17/09	3362	61.10	50.60	50.60	0.00	Pump	1	19	3311.40
	06/23/09	3362	61.10	50.32	50.32	0.00	NA	NA	NA	3311.68

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GROUNDWATER ELEVATION DATA
Plains Marketing L.P.
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Vacuum to Jal #5
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)	
RW-2	06/23/09	3362	61.10	50.31	50.31	0.00	Pump	0.25	9.75	3311.69
	07/01/09	3362	61.10	49.48	49.70	0.22	NA	NA	NA	3312.47
	07/01/09	3362	61.10	50.41	50.41	0.00	Pump	0.25	14.75	3311.59
	07/07/09	3362	61.10	49.50	49.67	0.17	Pump	0.25	14.75	3312.46
	07/07/09	3362	61.10	50.78	50.78	0.00	NA	NA	NA	3311.22
	07/15/09	3362	61.10	49.53	49.83	0.30	Pump	1	NA	3312.40
	07/15/09	3362	61.10	50.52	50.52	0.00	NA	NA	NA	3311.48
	07/29/09	3362	61.10	49.50	49.85	0.35	Pump	1	14.75	3312.41
	07/29/09	3362	61.10	49.62	49.62	0.00	NA	NA	NA	3312.38
	08/05/09	3362	61.10	49.57	49.77	0.20	Pump	0.25	14.75	3312.38
	08/05/09	3362	61.10	51.25	51.25	0.00	NA	NA	NA	3310.75
	08/12/09	3362	61.10	49.52	49.70	0.18	Pump	0.25	14.75	3312.44
	08/12/09	3362	61.10	50.65	50.65	0.00	NA	NA	NA	3311.35
	08/19/09	3362	61.10	49.50	49.65	0.15	Pump	0.25	14.75	3312.46
	08/19/09	3362	61.10	51.15	51.15	0.00	NA	NA	NA	3310.85
	08/26/09	3362	61.10	49.61	49.74	0.13	NA	NA	NA	3312.36
	09/02/09	3362	61.10	49.51	49.77	0.26	Pump	0.25	14.75	3312.43
	09/02/09	3362	61.10	51.87	51.87	0.00	NA	NA	NA	3310.13
	09/09/09	3362	61.10	49.55	49.68	0.13	Pump	0.25	14.75	3312.42
	09/09/09	3362	61.10	50.22	50.22	0.00	NA	NA	NA	3311.78
	09/16/09	3362	61.10	49.63	49.81	0.18	Pump	0.25	14.75	3312.33
	09/16/09	3362	61.10	51.00	51.00	0.00	NA	NA	NA	3311.00
	09/23/09	3362	61.10	49.58	49.75	0.17	Pump	0.25	19.75	3312.38
	09/23/09	3362	61.10	50.98	50.98	0.00	NA	NA	NA	3311.02
	09/30/09	3362	61.10	49.59	49.79	0.20	Pump	0.25	9.75	3312.36
	09/30/09	3362	61.10	50.93	50.93	0.00	AM	NA	NA	3311.07
	09/30/09	3362	61.10	49.55	49.57	0.02	Pump	NA	10	3312.45
	09/30/09	3362	61.10	50.82	50.82	0.00	PM	NA	NA	3311.18
	10/07/09	3362	61.10	49.63	49.78	0.15	Pump	0.25	9.75	3312.33
	10/07/09	3362	61.10	50.35	50.35	0.00	AM	NA	NA	3311.65
	10/07/09	3362	61.10	49.60	49.62	0.02	Pump	sheen	10	3312.40
	10/07/09	3362	61.10	50.43	50.43	0.00	PM	NA	NA	3311.57
	10/14/09	3362	61.10	49.64	49.77	0.13	Pump	0.5	9.5	3312.33
	10/14/09	3362	61.10	50.24	50.24	0.00	PM	NA	NA	3311.76
	10/14/09	3362	61.10	49.58	49.62	0.04	Pump	sheen	10	3312.41
	10/14/09	3362	61.10	50.23	50.23	0.00	PM	NA	NA	3311.77
	10/21/09	3362	61.10	49.56	49.77	0.21	hand bail	0.5	9.5	3312.39
	10/21/09	3362	61.10	49.75	49.75	0.00	NA	NA	NA	3312.25
RW-3	01/03/08	3361.93	63.79	49.87	49.87	0.00	Hand Bailed	0	5	3312.06
	01/03/08	3361.93	63.79	50.29	50.29	0.00	New sock	NA	NA	3311.64
	01/09/08	3361.93	63.79	49.90	49.90	0.00	Hand Bailed	0	10	3312.03
	01/09/08	3361.93	63.79	51.75	51.75	0.00	New sock	NA	NA	3310.18
	01/17/08	3361.93	63.79	49.85	49.85	0.00	Hand Bailed	0	10	3312.08
	01/17/08	3361.93	63.79	51.12	51.12	0.00	New sock	NA	NA	3310.81
	01/23/08	3361.93	63.79	49.88	49.88	0.00	New sock	NA	NA	3312.05
	01/30/08	3361.93	63.79	49.81	49.81	0.00	Hand Bailed	0	20	3312.12
	01/30/08	3361.93	63.79	51.68	51.68	0.00	Sock	NA	NA	3310.25
	02/06/08	3361.93	63.79	49.82	49.82	0.00	Hand Bailed	0	20	3312.11
	02/06/08	3361.93	63.79	51.60	51.60	0.00	Sock	NA	NA	3310.33
	02/13/08	3361.93	63.79	49.81	49.81	0.00	Hand Bailed	0	20	3312.12
	02/13/08	3361.93	63.79	51.50	51.50	0.00	New sock	NA	NA	3310.43
	02/18/08	3361.93	63.79	49.80	49.80	0.00	Hand Bailed	0	20	3312.13
	02/18/08	3361.93	63.79	50.58	50.58	0.00	New sock	NA	NA	3311.35
	02/27/08	3361.93	63.79	49.87	49.87	0.00	Hand Bailed	0	20	3312.06

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Plains Marketing L.P.
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Vacuum to Jal #5
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)	
RW-3	02/27/08	3361.93	63.79	49.75	49.75	0.00	New sock	NA	NA	3312.18
	03/04/08	3361.93	63.79	48.78	48.78	0.00	Hand Bailed	0	20	3313.15
	03/04/08	3361.93	63.79	50.82	50.82	0.00	New sock	NA	NA	3311.11
	03/12/08	3361.93	63.79	49.87	49.87	0.00	Hand Bailed	0	20	3312.06
	03/12/08	3361.93	63.79	51.45	51.45	0.00	New sock	NA	NA	3310.48
	03/19/08	3361.93	63.79	49.90	49.90	0.00	Hand Bailed	0	20	3312.03
	03/19/08	3361.93	63.79	51.83	51.83	0.00	New sock	NA	NA	3310.10
	03/26/08	3361.93	63.79	49.85	49.85	0.00	Hand Bailed	0	20	3312.08
	03/26/08	3361.93	63.79	51.05	51.05	0.00	New sock	NA	NA	3310.88
	04/02/08	3361.93	63.79	49.98	49.98	0.00	Hand Bailed	0	20	3311.95
	04/02/08	3361.93	63.79	50.43	50.43	0.00	Pump	NA	NA	3311.50
	04/09/08	3361.93	63.79	49.74	49.74	0.00	Hand Bailed	0	20	3312.19
	04/09/08	3361.93	63.79	50.99	50.99	0.00	Pump	NA	NA	3310.94
	04/16/08	3361.93	63.79	49.78	49.78	0.00	Hand Bailed	0	20	3312.15
	04/16/08	3361.93	63.79	50.65	50.65	0.00	Pump	NA	NA	3311.28
	04/24/08	3361.93	63.79	49.85	49.85	0.00	NA	NA	NA	3312.08
	04/30/08	3361.93	63.79	49.84	49.84	0.00	Pump	0	20	3312.09
	04/30/08	3361.93	63.79	51.80	51.80	0.00	NA	NA	NA	3310.13
	05/07/08	3361.93	63.79	49.89	49.89	0.00	Pump	0	20	3312.04
	05/07/08	3361.93	63.79	50.26	51.80	1.54	Sock	NA	NA	3311.29
	05/14/08	3361.93	63.79	49.86	49.94	0.08	Pump	0.25	19	3312.05
	05/14/08	3361.93	63.79	50.41	50.41	0.00	Sock	NA	NA	3311.52
	05/22/08	3361.93	63.79	49.91	49.92	0.01	Pump	0	20	3312.02
	05/22/08	3361.93	63.77	50.30	50.30	0.00	Sock	NA	NA	3311.63
	05/28/08	3361.93	63.77	50.00	50.25	0.25	Pump	0.5	26.5	3311.87
	05/28/08	3361.93	63.77	50.50	50.50	0.00	New sock	NA	NA	3311.43
	06/04/08	3361.93	63.77	50.07	50.22	0.15	Pump	0.5	19	3311.82
	06/04/08	3361.93	63.77	50.86	50.86	0.00	New sock	NA	NA	3311.07
	06/11/08	3361.93	63.77	50.11	50.27	0.16	Pump	0.5	19	3311.78
	06/11/08	3361.93	63.77	50.92	50.92	0.00	New sock	NA	NA	3311.01
	06/18/08	3361.93	63.77	50.10	50.27	0.17	Pump	0.5	19	3311.79
	06/18/08	3361.93	63.77	51.03	51.03	0.00	New sock	NA	NA	3310.90
	06/26/08	3361.93	63.77	50.18	50.23	0.05	Pump	0.5	19	3311.74
	06/26/08	3361.93	63.77	51.51	51.51	0.00	New sock	NA	NA	3310.42
	07/02/08	3361.93	63.77	50.21	50.22	0.01	Pump	0.25	19	3311.72
	07/02/08	3361.93	63.77	51.03	51.03	0.00	New sock	NA	NA	3310.90
	07/07/08	3361.93	63.77	50.03	50.03	0.00	Pump	0	20	3311.90
	07/07/08	3361.93	63.77	50.26	50.26	0.00	New sock	NA	NA	3311.67
	07/16/08	3361.93	63.77	50.10	50.10	0.00	Pump	0	20	3311.83
	07/16/08	3361.93	63.77	50.53	50.53	0.00	Flip Sock	NA	NA	3311.40
	07/22/08	3361.93	63.77	50.11	50.14	0.03	Pump	0	20	3311.81
	07/22/08	3361.93	63.77	50.63	50.63	0.00	New sock	NA	NA	3311.30
	07/29/08	3361.93	63.77	50.16	50.17	0.01	Pump	0	20	3311.77
	07/29/08	3361.93	63.77	51.39	51.39	0.00	Sock	NA	NA	3310.54
	08/06/08	3361.93	63.77	50.15	50.15	0.00	Pump	0	20	3311.78
	08/06/08	3361.93	63.77	50.81	50.81	0.00	Sock	NA	NA	3311.12
	08/13/08	3361.93	63.77	50.13	50.24	0.11	Pump	0	5	3311.77
	08/13/08	3361.93	63.77	50.86	50.86	0.00	New sock	NA	NA	3311.07
	08/18/08	3361.93	63.77	DNG	50.86	DNG	Sock	NA	NA	DNG
	08/27/08	3361.93	63.77	50.32	50.32	0.00	New sock	NA	NA	3311.61
	09/02/08	3361.93	63.77	50.37	50.37	0.00	Sock	NA	NA	3311.56
	09/09/08	3361.93	63.77	50.36	50.36	0.00	Sock	NA	NA	3311.57
	09/16/08	3361.93	63.77	50.22	50.22	0.00	Pump	0	10	3311.71
	09/16/08	3361.93	63.77	52.60	52.60	0.00	Sock	NA	NA	3309.33
	09/24/08	3361.93	63.77	49.98	49.98	0.00	Pump	0	10	3311.95

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)
								PSH (gallons)	Water (gallons)	
RW-3	09/24/08	3361.93	63.77	51.92	51.92	0.00	New sock	NA	NA	3310.01
	10/01/08	3361.93	63.77	49.72	49.72	0.00	Pump	0	10	3312.21
	10/01/08	3361.93	63.77	52.01	52.01	0.00	Sock	NA	NA	3309.92
	10/08/08	3361.93	63.77	50.49	50.51	0.02	Pump	0.5	11.5	3311.44
	10/08/08	3361.93	63.77	52.25	52.25	0.00	Sock	NA	NA	3309.68
	10/15/08	3361.93	63.77	50.14	50.14	0.00	Sock	NA	NA	3311.79
	10/22/08	3361.93	63.77	50.09	50.09	0.00	Pump	0	20	3311.84
	10/22/08	3361.93	63.77	49.51	49.51	0.00	NA	NA	NA	3312.42
	10/29/08	3361.93	63.77	50.14	50.14	0.00	Pump	0	10	3311.79
	10/29/08	3361.93	63.77	52.19	52.19	0.00	NA	NA	NA	3309.74
	11/05/08	3361.93	63.77	50.06	50.06	0.00	Pump	0	21	3311.87
	11/05/08	3361.93	63.77	51.27	51.27	0.00	NA	NA	NA	3310.66
	11/12/08	3361.93	63.77	49.97	49.97	0.00	NA	NA	NA	3311.96
	11/19/08	3361.93	63.77	49.98	49.98	0.00	pump	NA	10	3311.95
	11/19/08	3361.93	63.77	52.16	52.16	0.00	NA	NA	NA	3309.77
	11/26/08	3361.93	63.77	49.92	50.09	0.17	Pump	1	24	3311.97
	11/26/08	3361.93	63.77	50.06	50.06	0.00	Sock	NA	NA	3311.87
	12/03/08	3361.93	63.77	50.13	50.13	0.00	Pump	0	25	3311.80
	12/03/08	3361.93	63.77	50.12	50.12	0.00	NA	NA	NA	3311.81
	12/10/08	3361.93	63.77	50.14	50.14	0.00	Pump	0	30	3311.79
	12/10/08	3361.93	63.77	50.10	50.10	0.00	Flip Sock	NA	NA	3311.83
	12/17/08	3361.93	63.77	50.13	50.13	0.00	New sock	0	25	3311.80
	12/17/08	3361.93	63.77	50.12	50.12	0.00	NA	NA	NA	3311.81
	12/21/08	3361.93	63.77	49.95	50.10	0.15	No Sock	0.25	14.75	3311.94
	12/21/08	3361.93	63.77	52.74	52.74	0.00	NA	NA	NA	3309.19
	12/31/08	3361.93	63.77	49.98	50.20	0.22	NA	0.25	20.75	3311.90
	12/31/08	3361.93	63.77	50.23	50.23	0.00	NA	NA	NA	3311.70
	01/07/09	3361.93	63.62	49.90	50.05	0.15	Hand Bail	0.25	9.75	3311.99
	01/07/09	3361.93	63.62	50.34	50.34	0.00	NA	NA	NA	3311.59
	01/15/09	3361.93	63.62	49.97	50.25	0.28	Pump	0.75	14.25	3311.89
	01/15/09	3361.93	63.62	50.10	50.14	0.04	NA	NA	NA	3311.82
	01/22/09	3361.93	63.62	49.87	50.16	0.29	Hand Bail/No Sock	1	14	3311.99
	01/22/09	3361.93	63.62	50.06	50.06	0.00	NA	NA	NA	3311.87
	01/28/09	3361.93	63.62	49.88	50.14	0.26	Pump	0.25	9.75	3311.99
	01/28/09	3361.93	63.62	50.02	50.02	0.00	NA	NA	NA	3311.91
	02/04/09	3361.93	63.66	49.97	50.15	0.18	Pump	0.5	14.5	3311.92
	02/04/09	3361.93	63.66	50.35	50.35	0.00	NA	NA	NA	3311.58
	02/11/09	3361.93	63.66	49.96	50.07	0.11	Pump	0.25	19.75	3311.94
	02/11/09	3361.93	63.66	50.11	50.11	0.00	NA	NA	NA	3311.82
	02/17/09	3361.93	63.66	49.89	50.08	0.19	Pump	0.5	34.5	3311.99
	02/17/09	3361.93	63.66	49.94	49.96	0.02	NA	NA	NA	3311.99
	02/25/09	3361.93	63.66	49.94	50.11	0.17	Pump	0.5	19.5	3311.95
	02/25/09	3361.93	63.66	50.05	50.06	0.01	NA	NA	NA	3311.88
	03/04/09	3361.93	63.66	49.88	50.10	0.22	Pump	1	19	3312.00
	03/04/09	3361.93	63.66	50.13	50.13	0.00	NA	NA	NA	3311.80
	03/11/09	3361.93	63.66	50.00	50.13	0.13	Pump	0.25	19.75	3311.90
	03/11/09	3361.93	63.66	50.35	50.35	0.00	NA	NA	NA	3311.58
	03/18/09	3361.93	63.66	49.89	50.01	0.12	Pump	0.1	9.9	3312.01
	03/18/09	3361.93	63.66	50.16	50.16	0.00	NA	NA	NA	3311.77
	03/25/09	3361.93	63.66	49.89	49.89	0.00	Pump	0	22	3312.04
	03/25/09	3361.93	63.66	51.34	51.34	0.00	NA	NA	NA	3310.59
	04/01/09	3361.93	63.66	49.99	49.99	0.00	Flip Sock	NA	NA	3311.94
	04/08/09	3361.93	63.66	50.05	50.05	0.00	Pump	0	15	3311.88
	04/08/09	3361.93	63.66	50.20	50.20	0.00	NA	NA	NA	3311.73
	04/15/09	3361.93	63.66	50.04	50.04	0.00	Pump	0	10	3311.89

TABLE 1
GROUNDWATER ELEVATION DATA
Plains Marketing L.P.
SRS # 2003--00134
Vacuum to Jal #5
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)	
RW-3	04/15/09	3361.93	63.66	51.73	51.73	0.00	NA	NA	NA	3310.20
	04/22/09	3361.93	63.66	50.13	50.14	0.01	NA	NA	NA	3311.80
	04/29/09	3361.93	63.66	50.00	50.00	0.00	Pump	0	10	3311.93
	04/29/09	3361.93	63.66	50.17	50.17	0.00	NA	NA	NA	3311.76
	05/06/09	3361.93	63.66	50.01	50.01	0.00	Pump	0	15	3311.92
	05/06/09	3361.93	63.66	51.38	51.38	0.00	NA	NA	NA	3310.55
	05/14/09	3361.93	63.66	50.12	50.12	0.00	NA	NA	NA	3311.81
	05/14/09	3361.93	63.66	51.16	51.16	0.00	Pump	0	15	3310.77
	05/19/09	3361.93	63.66	50.06	50.06	0.00	Pump	0	30	3311.87
	05/27/09	3361.93	63.66	50.07	50.07	0.00	NA	NA	NA	3311.86
	05/27/09	3361.93	63.66	51.22	51.22	0.00	Pump	0	15	3310.71
	06/03/09	3361.93	63.66	50.73	50.73	0.00	NA	NA	NA	3311.20
	06/03/09	3361.93	63.66	51.43	51.43	0.00	Pump	0	15	3310.50
	06/11/09	3361.93	63.66	50.22	50.22	0.00	NA	NA	NA	3311.71
	06/11/09	3361.93	63.66	51.33	51.33	0.00	Pump	0	15	3310.60
	06/17/09	3361.93	63.66	50.25	50.25	0.00	NA	NA	NA	3311.68
	06/23/09	3361.93	63.66	50.31	50.31	0.00	NA	NA	NA	3311.62
	07/01/09	3361.93	63.66	50.19	50.19	0.00	Flip Sock	NA	NA	3311.74
	07/07/09	3361.93	63.66	50.19	50.19	0.00	Flip Sock	NA	NA	3311.74
	07/07/09	3361.93	63.66	50.13	50.13	0.00	NA	NA	NA	3311.80
	07/15/09	3361.93	63.66	50.13	50.15	0.02	New sock	NA	NA	3311.80
	07/29/09	3361.93	63.66	50.22	50.22	0.00	Flip Sock	NA	NA	3311.71
	08/05/09	3361.93	63.66	50.18	50.18	0.00	new sock	NA	NA	3311.75
	08/12/09	3361.93	63.66	50.15	50.15	0.00	NA	NA	NA	3311.78
	08/19/09	3361.93	63.66	50.13	50.15	0.02	Pump/flip sock	0.25	9.75	3311.80
	08/19/09	3361.93	63.66	52.50	52.50	0.00	NA	NA	NA	3309.43
	08/26/09	3361.93	63.66	50.29	50.33	0.04	NA	NA	NA	3311.63
	09/02/09	3361.93	63.66	50.10	50.18	0.08	pump	0.25	9.75	3311.81
	09/02/09	3361.93	63.66	52.58	52.58	0.00	NA	NA	NA	3309.35
	09/09/09	3361.93	63.66	50.21	50.21	0.00	pump	sheen	10	3311.72
	09/09/09	3361.93	63.66	51.49	51.49	0.00	NA	NA	NA	3310.44
	09/16/09	3361.93	63.66	50.28	50.28	0.00	NA	NA	NA	3311.65
	09/23/09	3361.93	63.66	50.15	50.20	0.05	pump	0.25	19.75	3311.77
	09/23/09	3361.93	63.66	51.73	51.73	0.00	new sock	NA	NA	3310.20
	09/30/09	3361.93	63.66	50.28	50.28	0.00	NA	NA	NA	3311.65
	10/07/09	3361.93	63.66	50.34	50.34	0.00	Flip Sock	0	10	3311.59
	10/07/09	3361.93	63.66	51.02	51.02	0.00	NA	NA	NA	3310.91
	10/14/09	3361.93	63.66	49.58	49.58	0.00	new sock	0	10	3312.35
	10/14/09	3361.93	63.66	52.16	52.16	0.00	NA	NA	NA	3309.77
	10/21/09	3361.93	63.66	50.36	50.36	0.00	NA	NA	NA	3311.57
RW-4	01/09/08	3363.22	63.10	NA	49.46	0.00	NA	NA	NA	3313.76
	02/06/08	3363.22	63.10	NA	49.48	0.00	NA	NA	NA	3313.74
	02/27/08	3363.22	62.78	NA	49.61	0.00	NA	NA	NA	3313.61
	04/02/08	3363.22	62.78	NA	49.40	0.00	NA	NA	NA	3313.82
	05/28/08	3363.22	63.71	NA	49.58	0.00	NA	NA	NA	3313.64
	06/18/08	3363.22	63.71	NA	49.64	0.00	NA	NA	NA	3313.58
	07/07/08	3363.22	63.71	NA	49.62	0.00	NA	NA	NA	3313.60
	08/18/08	3363.22	63.73	NA	49.62	0.00	NA	NA	NA	3313.60
	10/29/08	3363.22	62.66	NA	49.72	0.00	NA	NA	NA	3313.50
	11/19/08	3363.22	62.66	NA	49.74	0.00	NA	NA	NA	3313.48
	12/21/08	3363.22	62.66	NA	49.78	0.00	NA	NA	NA	3313.44
	01/07/09	3363.22	63.47	NA	49.61	0.00	NA	NA	NA	3313.61
	02/04/09	3363.22	60.98	NA	49.71	0.00	NA	NA	NA	3313.51
	02/17/09	3363.22	62.80	NA	49.71	0.00	NA	NA	NA	3313.51

TABLE 1
GROUNDWATER ELEVATION DATA
Plains Marketing L.P.
SRS # 2003--00134
Vacuum to Jal #5
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)	
RW-4	03/04/09	3363.22	60.93	NA	49.68	0.00	NA	NA	NA	3313.54
	04/08/09	3363.22	60.93	NA	49.68	0.00	NA	NA	NA	3313.54
	04/08/09	3363.22	60.93	NA	49.71	0.00	NA	NA	NA	3313.51
	05/06/09	3363.22	60.93	NA	49.73	0.00	NA	NA	NA	3313.49
	05/19/09	3363.22	60.93	NA	49.80	0.00	NA	NA	NA	3313.42
	06/03/09	3363.22	60.93	NA	49.79	0.00	NA	NA	NA	3313.43
	07/15/09	3363.22	60.93	NA	49.83	0.00	NA	NA	NA	3313.39
	08/05/09	3363.22	60.93	NA	49.86	0.00	NA	NA	NA	3313.36
	08/26/09	3363.22	63.51	NA	49.90	0.00	NA	NA	NA	3313.32
	09/02/09	3363.22	63.51	NA	49.88	0.00	NA	NA	NA	3313.34
	10/07/09	3363.22	63.51	NA	49.89	0.00	NA	NA	NA	3313.33
RW-5	01/09/08	3362.38	64.00	NA	48.98	0.00	NA	NA	NA	3313.40
	02/06/08	3362.38	64.00	NA	49.03	0.00	NA	NA	NA	3313.35
	02/27/08	3362.38	64.00	NA	49.15	0.00	NA	NA	NA	3313.23
	04/02/08	3362.38	64.00	NA	48.98	0.00	NA	NA	NA	3313.40
	05/28/08	3362.38	64.00	NA	49.14	0.00	NA	NA	NA	3313.24
	06/18/08	3362.38	64.00	NA	49.20	0.00	NA	NA	NA	3313.18
	07/07/08	3362.38	64.00	NA	49.15	0.00	NA	NA	NA	3313.23
	08/18/08	3362.38	63.21	NA	49.21	0.00	NA	NA	NA	3313.17
	10/29/08	3362.38	63.18	NA	49.23	0.00	NA	NA	NA	3313.15
	11/19/08	3362.38	63.18	NA	49.28	0.00	NA	NA	NA	3313.10
	12/21/08	3362.38	63.18	NA	49.31	0.00	NA	NA	NA	3313.07
	01/07/09	3362.38	63.18	NA	49.20	0.00	NA	NA	NA	3313.18
	02/04/09	3362.38	60.91	NA	49.26	0.00	NA	NA	NA	3313.12
	02/17/09	3362.38	63.15	NA	49.25	0.00	NA	NA	NA	3313.13
	03/04/09	3362.38	63.65	NA	49.20	0.00	NA	NA	NA	3313.18
	04/08/09	3362.38	63.65	NA	49.26	0.00	NA	NA	NA	3313.12
	05/06/09	3362.38	63.65	NA	49.24	0.00	NA	NA	NA	3313.14
	05/19/09	3362.38	63.65	NA	49.35	0.00	NA	NA	NA	3313.03
	06/03/09	3362.38	63.65	NA	49.35	0.00	NA	NA	NA	3313.03
	07/15/09	3362.38	63.65	NA	49.40	0.00	NA	NA	NA	3312.98
	08/05/09	3362.38	63.65	NA	49.42	0.00	NA	NA	NA	3312.96
	08/26/09	3362.38	64.00	NA	49.42	0.00	NA	NA	NA	3312.96
	09/02/09	3362.38	64.00	NA	49.37	0.00	NA	NA	NA	3313.01
	10/07/09	3362.38	64.00	NA	49.44	0.00	NA	NA	NA	3312.94
RW-6	01/09/08	3363.11	64.18	NA	50.27	0.00	NA	NA	NA	3312.84
	02/06/08	3363.11	64.18	NA	50.31	0.00	NA	NA	NA	3312.80
	02/27/08	3363.11	64.13	NA	50.47	0.00	NA	NA	NA	3312.64
	04/02/08	3363.11	64.13	NA	50.26	0.00	NA	NA	NA	3312.85
	05/28/08	3363.11	64.13	NA	50.45	0.00	NA	NA	NA	3312.66
	06/18/08	3363.11	64.13	NA	50.52	0.00	NA	NA	NA	3312.59
	07/07/08	3363.11	64.13	NA	50.42	0.00	NA	NA	NA	3312.69
	08/18/08	3363.11	64.17	NA	50.48	0.00	NA	NA	NA	3312.63
	10/29/08	3363.11	63.80	NA	50.55	0.00	NA	NA	NA	3312.56
	11/19/08	3363.11	63.80	NA	50.56	0.00	NA	NA	NA	3312.55
	12/21/08	3363.11	63.80	NA	50.59	0.00	NA	NA	NA	3312.52
	01/07/09	3363.11	63.84	NA	50.46	0.00	NA	NA	NA	3312.65
	02/04/09	3363.11	63.85	NA	50.51	0.00	NA	NA	NA	3312.60
	02/17/09	3363.11	64.15	NA	50.50	0.00	NA	NA	NA	3312.61
	03/04/09	3363.11	63.81	NA	50.48	0.00	NA	NA	NA	3312.63
	04/08/09	3363.11	63.81	NA	50.54	0.00	NA	NA	NA	3312.57
	05/06/09	3363.11	63.81	NA	50.59	0.00	NA	NA	NA	3312.52
	05/19/09	3363.11	63.81	NA	50.64	0.00	NA	NA	NA	3312.47

TABLE 1
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Vacuum to Jal #5
Lea County, New Mexico

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								PSH (gallons)	Water (gallons)	
RW-6	06/03/09	3363.11	63.81	NA	50.60	0.00	NA	NA	NA	3312.51
	07/15/09	3363.11	63.81	NA	50.70	0.00	NA	NA	NA	3312.41
	08/05/09	3363.11	63.81	NA	50.70	0.00	NA	NA	NA	3312.41
	08/26/09	3363.11	64.12	NA	50.72	0.00	NA	NA	NA	3312.39
	09/02/09	3363.11	64.12	NA	50.70	0.00	NA	NA	NA	3312.41
	10/07/09	3363.11	64.12	NA	50.72	0.00	NA	NA	NA	3312.39

Note: RW-2 used as bench mark for November 2006 well survey. (3362.00)
NA: Not Applicable
NG: Not Gauged

TABLE 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Plains Pipeline L.P.
SRS No. 2003--00134
Vacuum to Jal #5
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	03/29/06	T13036-1	**0.557**	0.0032	0.0133	0.0092
MW-1	06/10/06	T13862-1	**0.639** [a]	<0.00036	0.0033	0.0015 J
MW-1	09/12/06	T14676-1	**0.512** [a]	<0.00020	<0.00033	<0.00036
MW-1	12/06/06	T15618-1	**0.452** [a]	<0.00020	0.0049	<0.00036
MW-1	02/28/07	T16494-1	**0.481** [a]	<0.00020	0.0191	<0.00036
MW-1	05/30/07	T17645-1	**0.213** [a]	<0.00023	0.0043	<0.00055
MW-1	09/06/07	T18811-1	**0.066**	<0.00023	0.006	<0.00055
MW-1	11/13/07	T19737-1	**0.0955** [c]	<0.001	0.0091	<0.003
MW-1	02/26/08	T21028-1	**0.0156**	<0.00023	0.00069 J	<0.00055
MW-1	05/28/08	T22367-1	**0.031**	<0.00023	0.0022	<0.00055
MW-1	08/18/08	T23538-1	0.001	<0.0005	<0.0005	<0.001
MW-1	11/19/08	180058	**0.0209**	0.00120	0.00330	<0.00100
MW-1	02/17/09	187728	0.0027	<0.001	<0.001	<0.001
MW-1	05/19/09	9052114	0.0004 J	<0.000281	<0.000535	<0.000960
MW-1	08/28/09	208325	<0.000133	<0.000281	<0.000535	<0.000960
MW-2	03/29/06	T 13036-2	0.0012	0.0011	0.00042	<0.00072
MW-2	06/10/06	T13862-2	0.00038 J	<0.00036	<0.00035	<0.00072
MW-2	09/12/06	T14676-2	<0.00035	<0.00020	<0.00033	<0.00036
MW-2	12/06/06	T15618-2	0.0012	0.00087 J	<0.00033	<0.00036
MW-2	02/28/07	T16494-2	0.0044	0.0017	<0.00033	<0.00036
MW-2	05/30/07	T17645-2	0.00065 J	<0.00023	<0.00035	<0.00055
MW-2	09/06/07	T18811-2	<0.00021	<0.00023	<0.00035	<0.00055
MW-2	11/13/07	T19737-2	<0.001	<0.001	<0.001	<0.003
MW-2	02/26/08	T21028-2	<0.00021	<0.00023	<0.00035	<0.00055
MW-2	05/28/08	T22367-2	<0.00021	<0.00023	<0.00035	<0.00055
MW-2	08/18/08	T23538-2	0.00065 J	<0.0005	<0.0005	<0.001
MW-2	11/19/08	180059	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	02/17/09	187729	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	05/19/09	9052114	<0.000133	<0.000281	<0.000535	0.0018
MW-2	08/28/09	208326	<0.000149	<0.000188	<0.000178	<0.000163
MW-3	03/29/06	T 13036-3	**0.0129**	0.0089	0.0021	0.0038
MW-3	06/10/06	T13862-3	0.0075	0.0043	0.00071 J	0.002
MW-3	09/12/06	T14676-3	0.0023	<0.00020	<0.00033	<0.00036
MW-3	12/06/06	T15618-3	0.0021	0.00077 J	<0.00033	<0.00036
MW-3	02/28/07	T16494-3	0.0078	0.0026	0.00061	0.0024 J
MW-3	05/30/07	T17645-3	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	09/06/07	T18811-3	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	11/13/07	T19737-3	<0.001	<0.001	<0.001	<0.003
MW-3	02/26/08	T21028-3	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	05/28/08	T22367-3	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	08/18/08	T23538-3	0.0019	<0.0005	<0.0005	<0.0005
MW-3	11/19/08	180060	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	02/17/09	187730	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	05/19/09	9052114	0.0011	<0.000281	<0.000535	<0.000960
MW-3	08/28/09	208327	<0.000149	<0.000188	<0.000178	<0.000163

TABLE 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Plains Pipeline L.P.
SRS No. 2003--00134
Vacuum to Jal #5
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	12/06/06	T15618-4	<0.00035	<0.00020	<0.00033	<0.00036
MW-4	02/28/07	T16494-4	<0.00035	<0.00020	<0.00033	<0.00036
MW-4	05/30/07	T17645-4	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	09/06/07	T18811-4	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	11/13/07	T19737-4	<0.001	<0.001	<0.001	<0.003
MW-4	02/26/08	T21028-4	0.00086 J	<0.00023	<0.00035	<0.00055
MW-4	05/28/08	T22367-4	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	08/18/08	T23538-4	<0.0005	<0.0005	<0.0005	<0.001
MW-4	11/19/08	180061	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	02/17/09	187731	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	05/19/09	9052114	<0.000133	<0.000281	<0.000535	<0.000960
MW-4	08/28/09	208328	<0.000149	<0.000188	<0.000178	<0.000163
MW-5	12/06/06	T15618-5	0.00055 J	<0.00020	<0.00033	<0.00036
MW-5	02/28/07	T16494-5	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	05/30/07	T17645-5	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	09/06/07	T18811-5	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	11/13/07	T19737-5	<0.001	<0.001	<0.001	<0.003
MW-5	02/26/08	T21028-5	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	05/28/08	T22367-5	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	08/18/08	T23538-5	<0.0005	<0.0005	<0.0005	<0.001
MW-5	11/19/08	180062	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	02/17/09	187732	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	05/19/09	9052114	<0.000133	<0.000281	<0.000535	<0.000960
MW-5	08/28/09	208329	<0.000149	<0.000188	<0.000178	<0.000163
MW-6	12/06/06	T15618-6	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	02/28/07	T16494-6	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	05/30/07	T17645-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	09/06/07	T18811-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	11/13/07	T19737-6	<0.001	<0.001	<0.001	<0.003
MW-6	02/26/08	T21028-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	05/28/08	T22367-6	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	08/18/08	T23538-6	<0.0005	<0.0005	<0.0005	<0.001
MW-6	11/19/08	180063	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	02/17/09	187733	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	05/19/09	9052114	<0.000133	<0.000281	<0.000535	<0.000960
MW-6	08/28/09	208330	<0.00149	<0.000188	<0.000178	<0.000163
MW-7	12/06/06	T15618-7	<0.00035	<0.00020	<0.00033	<0.00036
MW-7	02/28/07	T16494-7	**0.0114**	<0.00020	<0.00033	<0.00036
MW-7	05/30/07	T17645-7	0.0049	<0.00023	<0.00035	<0.00055
MW-7	09/06/07	T18811-7	0.00073 J	<0.00023	<0.00035	<0.00055
MW-7	11/13/07	T19737-7	<0.001	<0.001	<0.001	<0.003
MW-7	02/26/08	T21028-7	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	05/28/08	T22367-7	0.00053 J	<0.00023	<0.00035	<0.00055
MW-7	08/18/08	T23538-7	<0.0005	<0.0005	<0.0005	<0.001
MW-7	11/19/08	180064	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	02/17/09	187734	<0.00100	<0.00100	<0.00100	<0.00100

TABLE 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Plains Pipeline L.P.
SRS No. 2003--00134
Vacuum to Jal #5
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-7	05/19/09	9052114	<0.000133	<0.000281	<0.000535	<0.000960
MW-7	08/28/09	208331	<0.000149	<0.000188	<0.000178	<0.000163
RW-4	12/06/06	T15618-8	0.00099 J	0.00035 J	<0.00033	<0.00036
RW-4	02/28/07	T16494-8	<0.00035	<0.00020	<0.00033	<0.00036
RW-4	05/30/07	T17645-8	<0.00021	<0.00023	<0.00035	<0.00055
RW-4	09/06/07	T18811-8	<0.00021	<0.00023	<0.00035	<0.00055
RW-4	11/13/07	T19737-8	<0.001	<0.001	<0.001	<0.003
RW-4	02/26/08	T21028-8	<0.00021	<0.00023	<0.00035	<0.00055
RW-4	05/28/08	T22367-11	<0.00021	<0.00023	<0.00035	<0.00055
RW-4	08/18/08	T23538-8	<0.0005	<0.0005	<0.0005	<0.001
RW-4	11/19/08	180065	<0.00100	<0.00100	<0.00100	<0.00100
RW-4	02/17/09	187735	<0.00100	<0.00100	<0.00100	<0.00100
RW-4	05/19/09	9052114	<0.000133	<0.000281	<0.000535	<0.000960
RW-4	08/28/09	208332	<0.000149	<0.000188	<0.000178	<0.000163
RW-5	12/06/06	T15618-9	0.0035	0.00095 J	0.00043 J	<0.00036
RW-5	02/28/07	T16494-9	**0.0193**	0.0038	0.0015	0.0014 J
RW-5	05/30/07	T17645-9	0.0045	0.0011	0.00066 J	0.00056 J
RW-5	09/06/07	T18811-9	0.0012	<0.00023	<0.00035	<0.00055
RW-5	11/13/07	T19737-9	0.0024	<0.001	<0.001	<0.003
RW-5	02/26/08	T21028-9	<0.00021	<0.00023	<0.00035	<0.00055
RW-5	05/28/08	T22367-12	0.00045 J	<0.00023	<0.00035	<0.00055
RW-5	08/18/08	T23538-9	<0.0005	<0.0005	<0.0005	<0.001
RW-5	11/19/08	180066	0.00260	<0.00100	<0.00100	<0.00100
RW-5	02/17/09	187736	0.0048	<0.00100	<0.00100	<0.00100
RW-5	05/19/09	9052114	0.0003 J	<0.000281	<0.000535	0.0016
RW-5	08/28/09	208333	0.0024	<0.000281	<0.000535	<0.000960
RW-6	12/06/06	T15618-10	<0.00035	<0.00020	<0.00033	<0.00036
RW-6	02/28/07	T16494-10	<0.00035	<0.00020	<0.00033	<0.00036
RW-6	05/30/07	T17645-10	<0.00021	<0.00023	<0.00035	<0.00055
RW-6	09/06/07	T18811-10	<0.00021	<0.00023	<0.00035	<0.00055
RW-6	11/13/07	T19737-10	<0.001	<0.001	<0.001	<0.003
RW-6	02/26/08	T21028-10	<0.00021	<0.00023	<0.00035	<0.00055
RW-6	05/28/08	T22367-13	<0.00021	<0.00023	<0.00035	<0.00055
RW-6	08/18/08	T23538-10	<0.0005	<0.0005	<0.0005	<0.001
RW-6	11/19/08	180067	<0.00100	<0.00100	<0.00100	<0.00100
RW-6	02/17/09	187737	<0.00100	<0.00100	<0.00100	<0.00100
RW-6	05/19/09	9052114	0.0008 J	<0.000281	<0.000535	<0.000960
RW-6	08/28/09	208334	0.0002 J	<0.000281	<0.000535	<0.000960

RW-1, RW-2 and RW-3 not sampled due to presence of Phase Separated Hydrocarbons
[a] Result is from Run #2.
J Indicates an estimated value
Concentration in **Bold** = above NMOCD Criteria

TABLE 3

GROUNDWATER ANALYTICAL RESULTS for BTEX from Wells with PSH/Sheen

Plains Pipeline L.P.
SRS No. 2003--00134
Vacuum to Jal #5
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 (mg/L)			
			0.010	**0.750**	**0.750**	**0.620**
RW-1	05/28/08	T22367-8	**0.646**	0.217	0.163	0.292
RW-1	05/19/09	9052114	**0.978**	0.355	0.238	0.463
RW-2	05/28/08	T22367-9	**0.623**	0.045	0.0921	0.157
RW-2	05/19/09	9052114	**0.0552**	0.0167	0.0176	0.0289
RW-3	05/28/08	T22367-10	**0.608**	0.0347	0.515	0.0726
RW-3	05/19/09	9052114	**0.45**	0.247	0.22	0.152

Concentration in **Bold** = above NMOCD Remediation

TABLE 4
GROUNDWATER ANALYTICAL RESULTS for
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs) from wells with PSH/Sheen
Plains Pipeline, L.P.
SRS No. 2003-00134
Vacuum to Jal Mainline #5
Lea County, New Mexico

Monitoring Well	Sample Date	Lab Report #	Napthalene	Acenapthylene	Acenapthene	Flourene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]-anthracene	Chrysene	Benzo[b]-fluoranthene	Benzo[a]-pyrene	Dibenz[a,h]-anthracene	Dibenzofuran	Benzo[g,h,i]-perylene	Benzo(k)fluoranthene	1- Methylnaphthalene	2-Methylnaphthalene	TPH-GRO (C6-C10)	TPH (C10-C28)
		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)	(mg/L)	(mg/L)
Other regulatory limits (Tap Water)*			**30****		**365**	**243**	**0.91**	**1100**	**1830**	**1460**	**183**	**0.91**	**29.1**	**0.91**	**0.7****	**0.091**			**9.1**		**30****		
RW-1	5/28/2008	T22367-8	14.1	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.3		<2.5	<1.6		13	9.01	3.28
RW-1	5/19/2009	9052114	17.6	<0.0707	<0.131	1.98	<0.0801	2.76	<0.0808	<0.0880	<0.0458	<0.0302	<0.0913	<0.0631	<0.0506	<0.0558	2.34	<0.0628	<0.0765	19.9	17.2	3.73	<0.876
RW-2	5/28/2008	T22367-9	10	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.3		<2.5	<1.6		7.4	3.61	1.53
RW-2	5/19/2009	9052114	2.66	<0.0707	<0.131	1.17	<0.0801	1.49	<0.0808	<0.0880	<0.0458	<0.0302	<0.0913	<0.0631	<0.0506	<0.0558	1.05	<0.0628	<0.0765	5.64	4.16	1.77	<0.876
RW-3	5/28/2008	T22367-10	13.5	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.3		<2.5	<1.6		7.8	3.81	0.292
RW-3	5/19/2009	9052114	25	<0.0710	<0.131	2.29	<0.0805	3.26	<0.0811	<0.0883	<0.0460	<0.0304	<0.0917	<0.0633	<0.0508	<0.0560	3.24	<0.0631	<0.0768	27.2	22.6	3.1 J	1.18 J

< = Not Detected
J = Indicates an estimated value above the method detection limit (MDL)
** = NM Water Quality Standard
Tap Water* = NMED Tap Water Soil screening levels for residential scenarios.

Table 5
Summary of Current Monitor Well Data
and Proposed Groundwater Sampling Schedule
Plains Marketing L.P.
SRS No. 2000-10807
Vacuum to Jal #5
Lea County, New Mexico

Well ID / Sampling Location	Summary of Current Sampling Data	Sampling Objective	Current Analytical Sampling Frequency	Proposed Analytical Sampling Frequency	Proposed MNA Sampling Frequency
MW-1 / Downgradient	BTEX concentrations historically above NMOCD remediation criterion; recent data indicates concentrations to be below remediation criteria	MNA parameters, COC concentrations at the plume perimeter, immediately downgradient of the plume in the groundwater flow direction	Quarterly	Quarterly	Semi-annual
MW-2 / Cross-gradient	Non-detect	COC cross-gradient of the plume	Quarterly	Quarterly	NR
MW-3 / Upgradient	Non-detect	MNA parameters, COC concentrations	Quarterly	Quarterly	Semi-annual
MW-4 / Upgradient	Non-detect	MNA parameters, COC concentrations	Quarterly	Annual	Semi-annual
MW-5 / Downgradient	Non-detect	COC concentrations	Quarterly	Annual	NR
MW-6 / Downgradient	Non-detect	COC concentrations	Quarterly	Annual	Semi-annual
MW-7 / Downgradient	Non-detect	MNA parameters, COC concentrations	Quarterly	Quarterly	Semi-annual
RW-1 / Within the plume	High concentration of benzene above the remediation criterion	COC concentrations	Annual		Semi-annual
RW-2 / Within the plume	High concentration of benzene above the remediation criterion	COC concentrations	Annual		Semi-annual
RW-3 / Within the plume	High concentration of benzene above the remediation criterion	COC concentrations	Annual		NR

Table 5
Summary of Current Monitor Well Data
and Proposed Groundwater Sampling Schedule
Plains Marketing L.P.
SRS No. 2000-10807
Vacuum to Jal #5
Lea County, New Mexico

Well ID / Sampling Location	Summary of Current Sampling Data	Sampling Objective	Current Analytical Sampling Frequency	Proposed Analytical Sampling Frequency	Proposed MNA Sampling Frequency
RW-4 / Upgradient	Non-detect	COC concentrations	Quarterly	Annual	NR
RW-5 / Cross-gradient	Non-detect	COC concentrations	Quarterly	Quarterly	NR
RW-6 / Downgradient	Non-detect	COC concentrations	Quarterly	Quarterly	NR

NR - MNA parameter monitoring not required.

Table 6
Proposed MNA Parameters for Semi-annual Monitoring
Plains Marketing L.P.
SRS No. 2000-10807
Vacuum to Jal #5
Lea County, New Mexico

Date	Sampling Location	Field Parameters						Comment(s)
		Dissolved O_2	Ferrous Iron	Nitrate	Sulfate	ORP	pH	
Instrument used		Colorimeter				YSI meter		
Units		mg/L	mg/L	mg/L	mg/L	-	s.u	
	MW-1							
	MW-3							
	MW-4							
	MW-6							
	MW-7							
	RW-1							
	RW-2							

ORP - Oxidation-Reduction Potential
O_2 - Oxygen
mg/L - milligram per liter (parts per million)
s.u. - standard units

APPENDIX C

C141 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 March 17, 1999

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company **EOTT Energy LLC**	Contact **Frank Hernandez**
Address **PO Box 1660 5805 East Highway 80 Midland, Texas 79702**	Telephone No. **713.253.7006**
Facility Name **Vacuum to Jal 14" Mainline #5**	Facility Type **14" Steel Pipeline**

Surface Owner **Greg Holt**	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: Lea
2	**2**	**T22S**	**R37E**					**Lat. 32 25' 39.006"N** **Lon. 103 07' 43.155"W**

NATURE OF RELEASE

Type of Release **Crude Oil**	Volume of Release **20 bbls barrels**	Volume Recovered **5 bbls barrels**
Source of Release **14" Steel Pipeline**	Date and Hour of Occurrence **5-23-03 @ 3:00 PM**	Date and Hour of Discovery **4:00 PM @ 5-23-03**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Buddy Hill**	
By Whom? **Pat McCasland, EPI**	Date and Hour **5-23-03 @ 8:00 PM**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. **NA**	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
14" Steel Pipeline. The cause was either internal or external corrosion. The line was being pressure tested at the time of the occurrence. The line was depressured and a line repair clamp installed. Contaminated soil placed on a plastic barrier.

Describe Area Affected and Cleanup Action Taken.*
~200' x 100' 8,730 sqft ***Site will be delineated to determine the vertical and horizontal extents of contamination. Contaminated soil will be disposed of or remediated on site. Remedial Goals: TPH 8015m = 1000 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.***

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: Frank Hernandez	**OIL CONSERVATION DIVISION** Approved by District Supervisor:
Printed Name: Frank Hernandez	
Title: District Environmental Supervisor	Approval Date: / Expiration Date:
Date: May 27, 2003 Phone: 713.253.7006	Conditions of Approval: / Attached ☐

* Attach Additional Sheets If Necessary