DA #4 ANNUAL MONITORING REPORT

YEAR(S):

AP



2008 **ANNUAL MONITORING REPORT** 203 MH 18 PM 1 28

DARR ANGELL #4

LEA COUNTY, NEW MEXICO NW ¼ NE ¼ SECTION 11, TOWNSHIP 15 SOUTH, RANGE 37 EAST SW ¼ SE ¼ SECTION 2, TOWNSHIP 15 SOUTH, RANGE 37 EAST PLAINS EMS NUMBER: 2001-10876 **NMOCD Reference AP-007**

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ENCLOSED ON DATA DISK

2008 Annual Monitoring Report

2008 Tables 1, 2 and 3 – Groundwater Elevation, BTEX, TPH and PAH Concentration Data 2008 Figures 1, 2A-2D, and 3A-3D Electronic Copies of Laboratory Reports

Historic Table 1 and 2 – Groundwater Elevation and BTEX, TPH, PAH Concentration Tables Historic Table 1 and 2 – Groundwater Elevation and BTEX, TPH, PAH Concentration Tables

INTRODUCTION

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On behalf of Plains Marketing, L.P., (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1st of each year. Beginning on May 29, 2004, project management responsibilities for the Darr Angell #4 Pipeline Release Site (the site) were assumed by NOVÅ. The site, formerly the responsibility of Enron Oil Trading and Transportation (EOTT), is now the responsibility of Plains. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. This report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2008 only. However, historic data tables as well as 2008 laboratory analytical reports are provided on the enclosed disk. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2008 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor wells, checking for the presence of PSH on the water column and purging and sampling of each well exhibiting sufficient recharge. Groundwater from monitor wells containing a thickness of PSH greater than 0.01 foot were sampled during the 4th quarter of 2008, as per a NMOCD directive.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the site is NW ¼ NE ¼ Section 11, Township 15 South, Range 37 East and SW ¼ SE ¼ Section 2, Township 15 South, Range 37 East. The Darr Angell #4 Release Site is the result of two separate releases originally discovered by EOTT Energy. The dates of discovery are November 9, 1999 and February 2, 2001. According to the 2001 release notification report, an estimated 150 barrels of crude oil was released with 95 barrels recovered. These releases occurred from an 8-inch EOTT pipeline and were attributed to structural failure associated with internal pipeline corrosion. The Release Notification and Corrective Action (Form C-141) is provided in Appendix A.

Following completion of pipeline repair actions, approximately 2,364 cubic yards (cy) of soil was excavated and stockpiled on-site. Of this volume, approximately 684 cubic yards of heavily impacted soil was transported to the Goo-Yea Landfarm (Permit # NM-01-0015) for disposal. Beginning in May 2001, an additional 6,650 cubic yards (cy) of soil was excavated. Stockpiled soil was treated mechanically with a soil shredding machine and fertilizer was incorporated to enhance biodegradation. Previous consultants completed the initial soil remediation and groundwater investigation activities.

In July 2008, monitor well MW-1 was properly plugged and abandoned and replaced with monitor well MW-1A. Currently, sixteen groundwater monitor wells (MW-1A through MW-16) and thirteen product recovery wells (RW-1 through RW-13) are on-site. A pneumatic product recovery system operated onsite throughout 2008. Manual PSH recovery techniques were utilized on a weekly schedule for monitor and recovery wells (exhibiting PSH) not connected to

the automated recovery system.

FIELD ACTIVITIES

Product Recovery Efforts

A measurable thickness of PSH was recorded in one monitor well (MW-8) and twelve recovery wells (RW-1 through RW-4 and RW-6 through RW-13) during the reporting period. The average thickness of PSH in monitor wells and recovery wells displaying PSH was 0.93 feet. The maximum thickness of PSH in monitor wells or recovery wells was 6.25 feet as recorded in monitor well RW-11 on February 28, 2008. PSH data for the 2008 gauging events can be found in Table 1. Approximately 654 gallons (16 barrels) of PSH was recovered from the site by automated and manual methods during the 2008 reporting period. Total recovery since project inception is approximately 12,106 gallons (289 barrels). Recovered PSH was reintroduced into the Plains transportation system at the 34 Junction South Station, near Lovington, New Mexico.

During the 2008 reporting period, automated recovery pumps were located in recovery wells RW-1, RW-2, RW-3, RW-10 and RW-11. Monitor or recovery wells containing PSH and not connected to the automated recovery system are manually bailed on a weekly schedule.

Groundwater Monitoring

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Quarterly monitoring events for the reporting period were performed according to the following sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004 and amended by NMOCD correspondence dated June 21, 2005.

NMOCD	NMOCD Approved Sampling Schedule										
MW-1A	Annually	MW-11	Annually	RW-4	Quarterly						
MW-2	Annually	MW-12	Annually	RW-5	Quarterly	- <u></u>					
MW-3	Quarterly	MW-13	Annually	RW-6	Quarterly						
MW-4	Annually	MW-14	Quarterly	RW-7	Quarterly						
MW-5	Annually	MW-15	Quarterly	RW-8	Quarterly						
MW-6	Quarterly	MW-16	Quarterly	RW-9	Quarterly						
MW-7	Annually			RW10	Quarterly						
MW-8	Quarterly	RW-1	Quarterly	RW-11	Quarterly						
MW-9	Semi-Annually	RW-2	Quarterly	RW-12	Quarterly						
MW-10	Quarterly	RW-3	Quarterly	RW-13	Quarterly						

The site monitor wells were gauged and sampled on February 28, May 28, September 15, and December 3, 2008. During each sampling event, monitor wells were purged of a minimum of three well volumes of water or until the wells failed to produce water. Purging was performed using a disposable polyethylene bailer for each well or electrical Grundfos pump and dedicated tubing. Groundwater was allowed to recharge and samples were collected using disposable Teflon samplers. Water samples were placed in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during each quarterly sampling event of 2008, are depicted on the Inferred Groundwater Gradient Maps, Figures 2A-2D. Groundwater elevation data for 2008 is provided as Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed data disk.

The most recent Inferred Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.0014 feet/foot to the southeast as measured between RW-5 and MW-3. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3730.71 and 3733.07 feet above mean sea level, in RW-13 on November 12, 2008 and in RW-3 on March 12, 2008, respectively.

LABORATORY RESULTS

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Monitor well MW-8 contained measurable PSH in the 1st quarter of the reporting period and was not sampled. Recovery wells RW-1 through RW-4 and RW-6 through RW-13 contained measurable PSH throughout the reporting period and were not sampled during the first three quarters of 2008. Recovery wells RW-3, RW-4 and RW-6 are sampled on a quarterly schedule and were not sampled in the 4th quarter due to insufficient groundwater after purging.

Groundwater samples obtained during the quarterly sampling events of 2008 were delivered to TraceAnalysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021B, and Polynuclear Aromatic Hydrocarbons (PAH) concentrations by EPA Method 8270C. Monitoring wells containing measurable amounts of PSH were analyzed for Total Petroleum Hydrocarbons (TPH) concentrations by EPA Method 8015M. A listing of BTEX and TPH constituent concentrations for 2008 are summarized in Table 2 and the PAH constituent concentrations for 2008 are provided on the enclosed data disk. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Monitor well MW-1 is sampled on an annual schedule. Monitor well MW-1 was properly plugged and abandoned and replaced with MW-1A in July 2008. Analytical results indicate BTEX constituent concentrations were below laboratory method detection limits (MDL) and NMOCD regulatory standards of 0.01 mg/L for benzene, 0.75 mg/L for toluene, 0.75 mg/L for ethylbenzene and 0.62 for xylene, during the 4th quarter sampling event. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-2 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below laboratory method detection limits (MDL) and NMOCD regulatory standards during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last thirty-three consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-3 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during the 1st, 3rd and 4th quarters of the reporting period. MW-3 was inadvertently not sampled during the 2nd quarter of 2008. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last seventeen consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

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Monitor well MW-4 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twenty-eight consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-5 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twenty-eight consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-6 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during the 1st, 3rd and 4th quarters of the reporting period. MW-3 was inadvertently not sampled during the 2nd quarter of 2008. Benzene, toluene and ethylbenzene concentrations were below NMOCD regulatory standards during the three sampled quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 3rd and 4th quarters to 0.0016 mg/L in the 1st quarter of 2008. Xylene concentrations were below NMOCD regulatory standards during the three sampled quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for phenanthrene (0.000391 mg/L) and dibenzofuran (0.000285 mg/L), which are below WQCC standards.

Monitor well MW-7 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twenty-eight consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-8 is sampled on a quarterly schedule. Monitor well MW-8 was not sampled during the 1^{st} quarter of the reporting period, due to the presence of PSH. A PSH thickness of 0.03 feet was reported during the 1^{st} quarter of 2008. Analytical results on samples collected during the 2^{nd} , 3^{rd} and 4^{th} quarters indicate benzene concentrations ranged from 0.0019 mg/L in the 3^{rd} quarter to 0.0063 mg/L in the 2^{nd} quarter of 2008. Benzene concentrations were below

NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during the 2^{nd} , 3^{rd} and 4^{th} quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0024 mg/L in 3^{rd} quarter to 0.0137 mg/L in the 4^{th} quarter of 2008. Ethylbenzene concentrations were below NMOCD regulatory standards during the 2^{nd} , 3^{rd} and 4^{th} quarters of the reporting period. Xylene concentrations ranged from 0.0017 mg/L in the 3^{rd} quarter to 0.0182 mg/L in the 2^{nd} quarter of 2008. Xylene concentrations were below NMOCD regulatory standards during the 2^{nd} , 3^{rd} and 4^{th} quarter to 0.0182 mg/L in the 2^{nd} quarter of 2008. Xylene concentrations were below NMOCD regulatory standards during the 2^{nd} , 3^{rd} , and 4^{th} quarters of the reporting period. PAH analysis during the 4^{th} quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00205 mg/L), 1-methylnaphthalene (0.0108 mg/L), 2-methylnaphthalene (0.00967 mg/L), fluorene (0.00604 mg/L), phenanthrene (0.00597 mg/L) and dibenzofuran (0.00451 mg/L), which are below WQCC standards.

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() () **Monitor well MW-9** is sampled on a semi-annual schedule and analytical results indicate benzene, toluene, ethylbenzene and xylene concentrations were below MDL and NMOCD regulatory standards in the 2nd and 4th quarters of 2008. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twelve consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-10 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last seventeen consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-11 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twenty-six consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-12 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twenty-eight consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-13 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twenty-eight consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

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Monitor well MW-14 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last sixteen consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-15 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0177 mg/L during the 1st quarter to 0.126 mg/L during the 3rd quarter of 2008. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 1st quarter to 0.0255 mg/L during the 4th quarter of 2008. Ethylbenzene concentrations were below the NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 1st quarter of 2008. Xylene concentrations were below NMOCD regulatory standards during the 1st and 2nd quarters to 0.0282 mg/L during the 4th quarter of 2008. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations were below. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations were below NMOCD regulatory standards during all four quarters of 2008. The reporting period of 0.0282 mg/L during the 4th quarter of 2008. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-16 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last seventeen consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Recovery well RW-1 is monitored on a quarterly schedule. Recovery well RW-1 was not sampled during the 1^{st} , 2^{nd} and 3^{rd} quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.16 feet, 0.02 feet and 0.01 feet were reported during the 1^{st} , 2^{nd} and 3^{rd} quarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4^{th} quarter of the reporting period with a concentration of 0.0589 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4^{th} quarter of the reporting period with a concentrations were below NMOCD regulatory standards during the 4^{th} quarter of 0.0402 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4^{th} quarter of the reporting period with a concentration of 0.0402 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4^{th} quarter of the reporting period with a concentration of 0.0402 mg/L. Analytical results indicated a total TPH result of 35.20 mg/L. PAH analysis during the 4^{th} quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for 1-methylnaphthalene (0.0518 mg/L) and 2-methylnaphthalene (0.0278 mg/L). Additional PAH constituents detected above MDLs include naphthalene (0.00414 mg/L), which are below WQCC standards.

Recovery well RW-2 is monitored on a quarterly schedule. Recovery well RW-2 was not sampled during the 1^{st} , 2^{nd} and 3^{rd} quarters of the reporting period, due to the presence of PSH.

PSH thicknesses of 5.30 feet, 5.43 feet and 5.67 feet were reported during the 1st, 2nd and 3rd quarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 16.70 mg/L. Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 7.31 mg/L. Ethylbenzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 6.66 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 16.70 mg/L. Analytical results indicated a total TPH result of 258.0 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0656 mg/L), 1-methylnaphthalene (0.166 mg/L) and 2-methylnaphthalene (0.153 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.019 mg/L), phenanthrene (0.0227 mg/L) and dibenzofuran (0.0115 mg/L), which are below WQCC standards.

Recovery well RW-3 is monitored on a quarterly schedule. Recovery well RW-3 was not sampled during the 1^{st} , 2^{nd} and 3^{rd} quarters of the reporting period, due to the presence of PSH in the monitor well and was not sampled during the 4^{th} quarter due to insufficient water volume in the well. PSH thicknesses of 2.46 feet, 1.95 feet and 1.53 feet were reported during the 1^{st} , 2^{nd} and 3^{rd} quarters of 2008, respectively. PAH analysis was not conducted due to insufficient water volume in the well.

Recovery well RW-4 is monitored on a quarterly schedule. Recovery well RW-4 was not sampled during any of the four quarterly sampling events due to an absence of groundwater in the recovery well. PAH analysis was not conducted due to an absence of groundwater in the recovery well.

Recovery well RW-5 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0044 mg/L during the 1st quarter to 0.0535 mg/L during the 4th quarter of 2008. Benzene concentrations were above NMOCD regulatory standards during the 2^{nd} , 3^{rd} and 4^{th} guarters of the reporting period. Toluene concentrations ranged from <0.001 mg/L during the 1st quarter to 0.0597 mg/L during the 4th quarter of 2008. Toluene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0090 mg/L during the 1st quarter to 0.8830 mg/L during the 4th quarter of 2008. Ethylbenzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period. Xylene concentrations ranged from 0.0017 mg/L during the 1st quarter to 0.7060 mg/L during the 4th quarter of 2008. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period. PAH analysis during the 4th guarter sampling event indicated elevated concentrations above WOCC Drinking Water Standards for 1-methylnaphthalene (0.0160 mg/L) and 2methylnaphthalene (0.0144 mg/L). Additional PAH constituents detected above MDLs include naphthalene (0.0254 mg/L), fluorene (0.00148 mg/L), phenanthrene (0.000841 mg/L) and dibenzofuran (0.00133 mg/L), which are below WQCC standards.

Recovery well RW-6 is monitored on a quarterly schedule. Recovery well RW-6 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH in the monitor well and was not sampled during the 4th quarter due to insufficient water volume in

the well. PSH thicknesses of 0.17 feet, 0.36 feet and 0.01 feet were reported during the 1st, 2nd and 3rd quarters of 2008, respectively. PAH analysis was not conducted due to insufficient water volume in the well.

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 Recovery well RW-7 is monitored on a quarterly schedule. Recovery well RW-7 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.34 feet, 0.58 feet and 0.63 feet were reported during the 1st, 2nd and 3rd quarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 1.520 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4th quarter of 0.646 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.546 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.514 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.910 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0942 mg/L), 1-methylnaphthalene (0.172 mg/L) and 2-methylnaphthalene (0.158 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0179 mg/L), phenanthrene (0.0232 mg/L) and dibenzofuran (0.0118 mg/L), which are below WQCC standards.

Recovery well RW-8 is monitored on a quarterly schedule. Recovery well RW-8 was not sampled during the 1^{st} , 2^{nd} and 3^{rd} quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.27 feet, 0.69 feet and 0.93 feet were reported during the 1^{st} , 2^{nd} and 3^{rd} quarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4^{th} quarter of the reporting period with a concentration of 0.220 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4^{th} quarter of the reporting period with a concentration of 0.175 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4^{th} quarter of the reporting period with a concentration of 0.118 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 4^{th} quarter of the reporting period with a concentration of 0.356 mg/L. Analytical results indicated a total TPH result of 61.96 mg/L. PAH analysis during the 4^{th} quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0496 mg/L), 1-methylnaphthalene (0.115 mg/L) and 2-methylnaphthalene (0.106 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0128 mg/L), phenanthrene (0.0164 mg/L) and dibenzofuran (0.00891 mg/L), which are below WQCC standards.

Recovery well RW-9 is monitored on a quarterly schedule. Recovery well RW-9 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.46 feet, 1.12 feet and 1.25 feet were reported during the 1st, 2nd and 3rd quarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 7.660 mg/L. Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of 3.840 mg/L. Ethylbenzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 2.810 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 7.200 mg/L. Analytical results indicated a

total TPH result of 219.50 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0574 mg/L), 1-methylnaphthalene (0.0859 mg/L) and 2-methylnaphthalene (0.0791 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.00907 mg/L), phenanthrene (0.0112 mg/L) and dibenzofuran (0.00642 mg/L), which are below WQCC standards.

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Recovery well RW-10 is monitored on a quarterly schedule. Recovery well RW-10 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.24 feet, 0.04 feet and 4.65 feet were reported during the 1st, 2nd and 3rd quarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 7.720 mg/L. Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of 6.030 mg/L. Ethylbenzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 2.740 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 8.470 mg/L. Analytical results indicated a total TPH result of 985.0 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.121 mg/L), 1-methylnaphthalene (0.279 mg/L) and 2-methylnaphthalene (0.257 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0265 mg/L), phenanthrene (0.0346 mg/L) and dibenzofuran (0.0193 mg/L), which are below WQCC standards.

Recovery well RW-11 is monitored on a quarterly schedule. Recovery well RW-11 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 6.25 feet, 6.20 feet and 6.14 feet were reported during the 1st, 2nd and 3rd quarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 3.180 mg/L. Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.680 mg/L. Ethylbenzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.070 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 3.640 mg/L. Analytical results indicated a total TPH result of 165.40 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.053 mg/L), 1-methylnaphthalene (0.066 mg/L) and 2-methylnaphthalene (0.0609 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0076 mg/L), phenanthrene (0.0093 mg/L) and dibenzofuran (0.00494 mg/L), which are below WQCC standards.

Recovery well RW-12 is monitored on a quarterly schedule. Recovery well RW-12 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.23 feet, 0.55 feet and 0.64 feet were reported during the 1st, 2nd and 3rd quarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 6.310 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4th quarter of 0.636 mg/L. Ethylbenzene concentrations were above NMOCD regulatory standards during the a concentration of 0.636 mg/L.

of 1.870 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 6.580 mg/L. Analytical results indicated a total TPH result of 101.50 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.110 mg/L), 1-methylnaphthalene (0.198 mg/L) and 2-methylnaphthalene (0.182 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0193 mg/L), phenanthrene (0.0242 mg/L) and dibenzofuran (0.0143 mg/L), which are below WQCC standards.

Recovery well RW-13 is monitored on a quarterly schedule. Recovery well RW-13 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.18 feet, 0.35 feet and 0.48 feet were reported during the 1st, 2nd and 3rd guarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 0.126 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4th guarter of the reporting period with a concentration of 0.162 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.103 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 4^{th} quarter of the reporting period with a concentration of 0.351 mg/L. Analytical results indicated a total TPH result of 4.09 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0608 mg/L), chrysene (0.00409 mg/L), 1-methylnaphthalene (0.139 mg/L) and 2-methylnaphthalene (0.128 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0187 mg/L), phenanthrene (0.0234 mg/L) and dibenzofuran (0.0131 mg/L), which are below WQCC standards.

Laboratory analytical results were compared to NMOCD regulatory limits based on the New Mexico groundwater standards found in section 20.6.2.3103 of the New Mexico Administrative Code.

SUMMARY

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This report presents the results of monitoring activities for the 2008 annual monitoring period. Currently, there are sixteen groundwater monitor wells (MW-1A through MW-16) and thirteen product recovery wells (RW-1 through RW-13) on-site.

Monitor well MW-8 contained measurable PSH in the 1st quarter of the reporting period and was not sampled. Recovery wells RW-1 through RW-4 and RW-6 through RW-13 contained measurable PSH throughout the reporting period and were not sampled during the 1st, 2nd and 3rd quarters of the reporting period. Recovery wells RW-3, RW-4 and RW-6 were not sampled during the 4th quarter sampling as per the NMOCD directive, due to insufficient groundwater volume within the wells.

A pneumatic product recovery system operated on-site throughout 2008. Manual PSH recovery techniques were utilized on a weekly schedule for monitor and recovery wells (exhibiting PSH) not connected to the automated system.

Approximately 654 gallons (16 barrels) of PSH was recovered from the site by automated and manual methods during the 2008 reporting period. Total recovery since project inception is approximately 12,106 gallons (289 barrels).

The average thickness of PSH during 2008, in wells containing PSH was 0.93 feet. In comparison, the average PSH thickness in wells containing PSH during 2007 was 2.45 feet. Fourth quarter groundwater elevation contours (Figure 2D) generated from water level measurements acquired, indicated a general gradient of approximately 0.0014 feet/foot to the southeast.

Review of laboratory analytical results of the groundwater samples obtained during the 2008 monitoring period indicate the BTEX constituent concentrations are below applicable NMOCD standards in fifteen of the sixteen monitor wells currently on-site. The remaining one monitor well and thirteen recovery wells contained measurable thicknesses of PSH and were not sampled or exhibited analytical results above the NMOCD regulatory standard during at least one quarterly monitoring event of 2008. Dissolved phase impact appears to be limited to monitor well MW-15 and recovery well RW-5 and to the remaining recovery wells which exhibit PSH. Groundwater samples from recovery wells RW-1, RW-2 and RW-8 through RW-13 exhibited elevated TPH concentrations for GRO and DRO. Analytical results on groundwater samples collected indicate PAH distributions mirrored those of BTEX distributions over the site.

ANTICIPATED ACTIONS

Groundwater monitoring, weekly manual product recovery, automated system PSH recovery and maintenance and system optimization will continue through 2009. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2010.

LIMITATIONS

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NOVA has prepared this Annual Monitoring Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. NOVA has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of NOVA and/or Plains.

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FIGURES

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2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P. DARR ANGELL 4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

		TOP OF				CORRECTED
WELL	DATE	CASING	ДЕРТН ТО	ДЕРТН ТО	PSH	GROUND WATER
NUMBER	MEASURED	ELEVATION	PRODUCT	WATER	THICKNESS	ELEVATION
MW-1A	08/22/08			68.81	0.00	0.00
MW-1A	08/26/08	······································	_	68.81	0.00	0.00
MW-1A	12/03/08			69.00	0.00	0.00
I CHARLES			的现在 我们的问题			NGC AND
MW - 2	02/28/08	3 796 33		64.44	0.00	3.731.89
MW - 2	05/28/08	3,796,33	-	64.58	0.00	3.731.75
MW - 2	09/15/08	3,796.33	-	64.75	0.00	3.731.58
MW - 2	12/03/08	3,796,33		64.90	0.00	3.731.43
	LE DIRACT			始 了。1963年5月	Press and the second	
MW - 3	02/28/08	3 798 10	-	66.44	0.00	3.731.66
MW - 3	05/28/08	3 798 10	-	66.60	0.00	3 731.50
MW - 3	09/15/08	3 798 10	_	66 76	0.00	3,731,34
MW - 3	12/03/08	3 798 10		66.90	0.00	3 731 20
NAME OF	12/05/00	5,770.10	2 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	00.90	NEW REAL	0.000
MW - 4	02/28/08	3 797 73	-	65 71	0.00	3 732 02
	05/28/08	3 797 73		65.85	0.00	3 731 88
	00/15/08	3,797,73		66.02	0.00	3 731 71
MW - 4	12/03/08	3 797 73		66.16	0.00	3 731 57
141 44 2	12/05/08	3,777.75 2024 2014 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -	GARNER A	00.10	0.00	5,751.57
MW - 5	02/28/08	3 707 73	AMACENTALIST AND	65.10	0.00	3 732 13
	02/28/08	3 707 23		65.24	0.00	3 731 99
MW - 5	00/15/08	3 707 23		65.41	0.00	3 731 82
MW - 5	12/03/08	3 707 23		65.55	0.00	3 731 68
	12/03/08	3,191.23	A CONTRACTOR OF A CONTRACT	05.55	0.00	5,751.00
MW - 6	01/07/08	3 706 51	THE PART OF THE	64.27	0.00	3 732 74
MW - 6	01/15/08	3 796 51		64.29	0.00	3,732.24
MW - 6	01/13/08	3 796 51		64.31	0.00	3 732 20
MW 6	01/22/08	3,790.51		64.38	0.00	3,732.20
MW - 6	02/03/08	3,790.51		64.36	0.00	3 732 15
<u>MW 6</u>	02/15/08	3,790.51	-	64.30	0.00	3 732 14
MW - 6	02/19/08	3,790.51	-	64.40	0.00	3 732 11
MW 6	02/20/08	3,790.51	-	64.38	0.00	3,732.11
MW 6	02/20/08	3,790.51	-	64.30	0.00	3,732.13
MW 6	03/12/08	3,790.31		64.39	0.00	3,732.12
MW 6	03/18/08	3,796.51		64.39	0.00	3,732.12
MW 6	03/22/08	3,790.31		64.43	0.00	3,732.08
MW - 6	04/01/08	3,790.51		64.44	0.00	3,732.07
MW 6	04/06/08	3,790.31		64.40	0.00	3,732.03
MW 6	04/10/08	3,790.51		64.47	0.00	3,732.04
MW 6	04/22/08	3,790.51	-	64.48	0.00	3,732.03
MW - 6	04/29/08	3 706 51	-	64.47	0.00	3,732.04
MW - 6	05/08/08	3 706 51		64 50	0.00	3 732 01
MW - 6	05/20/08	3 706 51	<u> </u>	64.51	0.00	3,732.01
· MW - 6	05/20/08	3 706 51		63.57	<u> </u>	3,732.00
MW - 0	06/02/00	3,790.51		63.52	0.00	3 733 00
MW K	06/10/09	3 706 51	-	64.54	0.00	3,733.00
MW/ 6	06/17/08	3 706 51		64.57	0.00	3 731 0/
MW 4	07/00/00	3 706 51		64.62	0.00	2 721 00
MW 6	07/00/00	3,790.31		64.62	0.00	3 721 00
MW C	08/07/08	3,190.31		64.52	0.00	2 721 00
	08/07/08	3,790.31		64.55	0.00	2 721 00
MW - 0	08/31/08	2 706 51		64.00	0.00	2 721 92
MW 6	08/21/08	2 706 51		64.65	0.00	3,731.85
IVI W - 0	08/26/08	3,/90.31		04.03	0.00	3,731.80

2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P. DARR ANGELL 4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

		TOP OF		DEDET	DOTT	CORRECTED
WELL	DATE	CASING	DEPTH TO	DEPTH TO	PSH	GROUND WATER
NUMBER	MEASURED	ELEVATION	PRODUCT	WATER	THICKNESS	ELEVATION
MW - 6	09/03/08	3,796.51	-	64.68	0.00	3,731.83
MW - 6	09/15/08	3,796.51	-	64.73	0.00	3,731.78
MW - 6	09/24/08	3,796.51	-	64.74	0.00	3,731.77
MW - 6	09/30/08	3,796.51	-	64.72	0.00	3,731.79
MW - 6	10/07/08	3,796,51	-	64.75	0.00	3.731.76
MW - 6	10/24/08	3 796 51	-	64.79	0.00	3,731,72
MW - 6	10/27/08	3 796 51		64.79	0.00	3 731 72
	11/04/08	3 796 51		64 75	0.00	3 731 76
MW 6	11/12/08	3 706 51		64.77	0.00	3 731 74
MW 6	11/12/08	2 706 51		64.77	0.00	2 721 74
MW - 0	11/19/08	3,790.51		64.94	0.00	2 721 67
<u>Mw-6</u>	12/03/08	3,796.51	-	04.84	0.00	3,/31.0/
<u>MW-6</u>	12/16/08	3,796.51		64.8/	0.00	3,/31.64
<u>MW-6</u>	12/30/08	3,796.51	-	64.91	0.00	3,731.60
			HAMALLY R			
<u>MW - 7</u>	02/28/08	3,796.16	-	63.95	0.00	3,732.21
MW - 7	05/28/08	3,796.16		64.11	0.00	3,732.05
MW - 7	09/15/08	3,796.16	-	64.28	0.00	3,731.88
MW - 7	12/03/08	3,796.16		64.42	0.00	3,731.74
MW - 8	02/28/08	3,795.89	63.91	63.94	0.03	3,731.98
MW - 8	05/28/08	3,795,89	-	64.05	0.00	3,731.84
MW - 8	09/15/08	3,795,89		64.21	0.00	3,731,68
	12/03/08	3 795 89	_	64.41	0.00	3 731 48
NACES A COM	12/05/00	5,775.07	LEVEN MARCH			
MW - 9	02/28/08	3 705 66	<u></u>	64.04	0.00	3 731 62
MW 9	05/28/08	3 705 66		64.18	0.00	3 731 48
MW 0	00/15/08	2 705 66	-	64.24	0.00	2 721 22
MW - 9	12/02/09	3,795.00		64.40	0.00	2 721 17
<u>IMIW - 9</u>	12/03/08	3,793.00	- 	04.49	0.00	5,/31.17
<u></u>				(1 70		0.701.50
<u>MW - 10</u>	02/28/08	3,796.23	-	64.73	0.00	3,731.30
MW - 10	05/28/08	3,796.23	-	64.87	0.00	3,731.36
MW - 10	09/15/08	3,796.23	-	65.02	0.00	3,731.21
<u>MW - 10</u>	12/03/08	3,796.23	-	65.12	0.00	3,731.11
Alter State	and the second se					
MW - 11	02/28/08	3,796.58		65.18	0.00	3,731.40
MW - 11	05/28/08	3,796.58	-	65.33	0.00	3,731.25
MW - 11	09/15/08	3,796.58	-	65.50	0.00	3,731.08
MW - 11	12/03/08	3,796.58	-	65.63	0.00	3,730.95
			MAR AN			<u>新来的第三人称单数</u>
MW - 12	02/28/08	3,798.03	-	66.44	0.00	3,731.59
MW - 12	05/28/08	3,798.03	-	66.59	0.00	3,731.44
MW - 12	09/15/08	3,798.03	-	. 66.75	0.00	3,731.28
MW - 12	12/03/08	3,798.03	-	66.89	0.00	3,731.14
Contraction of the second	2.0	States - Mariana		N. C. Starting		
MW - 13	02/28/08	3 799 65	Contraction of the second second second second second	67.92	0.00	3,731,73
MW - 13	05/28/08	3 700 65		68.07	0.00	3 731 58
MM 12	00/15/00	3 700 45		68.22	0.00	2 721 42
WIW - 13	12/02/09	3,199.03		60.23	0.00	2,721.25
IVIW - 13	12/03/08	3,/99.03	- tala ministra a securita da	08.40	U.UU	3,/31.23
<u> </u>	00/00/00	2 70 4 10	<u>ALLE ARE</u>		0.00	
<u>MW - 14</u>	02/28/08	3,796.10		64.73	0.00	3,731.37
·MW - 14	05/28/08	3,796.10		64.84	0.00	3,731.26
<u>MW - 14</u>	09/15/08	3,796.10	-	65.01	0.00	3,731.09
MW - 14	12/03/08	3,796,10	- 1	65.12	0.00	3.730.98

2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P. DARR ANGELL 4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

		TOP OF				CORRECTED
WELL	DATE	CASING	ДЕРТН ТО	ДЕРТН ТО	PSH	GROUND WATER
NUMBER	MEASURED	ELEVATION	PRODUCT	WATER	THICKNESS	ELEVATION
天式分裂使得到			MAR STREET			
MW-15	02/28/08	3 795 96	-	64.66	0.00	3 731 30
MW-15	05/28/08	3 795 96	-	64.82	0.00	3 731 14
MW-15	09/15/08	3 795 96		64.98	0.00	3 730 98
	12/03/08	3 795 96		65.12	0.00	3 730 84
14144-15	12/05/00	3,775.70	- Vertus Circi	05.12	0.00	5,750.04
MW 16	07/28/08	2 705 02		63 0A	0.00	3 721 00
MW-10	02/28/08	2 705 02	-	64.08	0.00	2 721 95
MW-10	00/15/08	2 705 02	-	64.08	0.00	2 721 70
MW 16	12/02/08	2 705 02	-	64.14	0.00	2 721 70
IVI W-10	12/03/00	3,793.93	- 	04.14	0.00	3,/31./9
DW 1	02/20/00	2 707 66	(5 ((45.97	0.14	2 721 00
<u>RW - 1</u>	02/20/00	3,797.00	65.00	65.86	0.10	3,731.90
RW-1	03/28/08	2 707 66	03.84	UIMD IN WEI	0.02	3,731.62
$\frac{KW-1}{DW}$	08/21/08	3,797.00	r P	UMP IN WEL	<u></u>	3,797.00
RW - 1	08/26/08	3,797.00	p	UMP IN WEI	<u>I</u>	3 797 66
RW-1	00/15/08	3 797 66	66.04	66.05	0.01	3,731.62
RW - 1	09/30/08	3 797 66	<u> </u>	UMP IN WEI	L. 0.01	3 797 66
RW-1	10/07/08	3 797 66		UMP IN WEI	<u>L</u>	3 797 66
RW - 1	10/24/08	3 797 66	P	UMP IN WEI	<u></u>	3 797 66
RW - 1	11/04/08	3 797 66	P	UMP IN WEI	L	3 797 66
RW - 1	12/03/08	3,797.66	65.89	67.72	1.83	3.731.50
	A. F. M. Martin S.			2384 Que 128		
RW - 2	02/28/08	3 797 60	64 78	70.08	5 30	3 732 03
RW - 2	05/28/08	3 797 60	65.03	70.46	5.43	3 731 76
RW-2	08/21/08	3 797 60	<u> </u>	UMP IN WEI	L	3 797 60
RW - 2	08/26/08	3,797.60	F	UMP IN WEI	<u>I</u>	3 797 60
RW-2	09/03/08	3 797 60	F	PLIMP IN WEI	<u> </u>	3 797 60
RW - 2	09/15/08	3 797 60	65.17	70.84	5.67	3 731 58
RW - 2	09/30/08	3 797 60	<u> </u>	PUMP IN WEI	<u> </u>	3 797 60
RW-2	10/07/08	3 797 60	F	PUMP IN WEI	<u> </u>	3,797,60
RW - 2	10/24/08	3 797 60	F	PUMP IN WEI	<u>I</u>	3 797 60
$\frac{RW-2}{DW/2}$	11/04/08	3 707 60		UMP IN WEI	<u>т </u>	3 797 60
RW - 2	12/02/08	3,797.00	65.26	71.06	5 70	3,731.00
K vy - 2	12/05/00	3,191.00	05.50	/1.00	J.70	3,731.39
DW 3	02/28/08	3 708 81	65 75	68.21	2 46	3 732 60
PW = 3	03/12/08	3 708 81	65 30	67.74	2.40	3,732.07
$\overline{RW-3}$	05/28/08	3 708 81	65.87	67.82	1.95	3,732,65
$\mathbf{R}\mathbf{W} = \mathbf{J}$	09/21/08	3 708 81	0.87	LIMP IN WEI	1.55	3 708 81
$\frac{\mathbf{K}\mathbf{W} - \mathbf{J}}{\mathbf{P}\mathbf{W}/2}$	08/26/09	3 708 81	ז מ	TIMP IN WEL	<u> </u>	3 708 81
	00/03/08	3 708 81		TIMP IN WEI	<u>I</u>	3 708 81
DW/ 2	09/05/08	3 708 81	66.25	67.78	152	3,730.01
RW = 3	09/30/08	3 708 81	D0.25	UMP IN WET	I	3 708 81
RW = 3	10/07/08	3 708 81		UMP IN WEI	<u>1</u>	3 708 81
DW 2	10/24/08	3 709 91		UMP IN WEL	I	3 700 01
	11/04/00	3,770.01	<u>г</u>	PIMP IN WEI	1	3 700 01
DW/ 2	12/02/02	3 709 91	66 20	67.94	1 / 9	3 732 21
<u> </u>	12/03/00	3,/70.01	00.38	07.00	1.40	3,/32.21
DW 4	01/07/00	2 709 24	65.24	nd nd	157563萬英國公園2517	and and the second states of the second s
<u>KW-4</u>	01/07/08	2 709 24	65.22			
$\frac{KW-4}{DW}$	01/15/08	3,198.34	65.32	110		
<u>KW-4</u>	01/22/08	3,198.34	65.34	D(I		-
<u>KW-4</u>	02/05/08	3,798.34	65.38	na		·
<u> </u>	02/13/08	3,798.34	65.39	nd		

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2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P. DARR ANGELL 4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

]	TOP OF				CORRECTED
WELL	DATE	CASING	DEPTH TO	ДЕРТН ТО	PSH [*]	GROUND WATER
NUMBER	MEASURED	ELEVATION	PRODUCT	WATER	THICKNESS	ELEVATION
RW - 4	02/19/08	3,798.34	65.41	nđ	-	-
RW - 4	02/26/08	3,798.34	65.43	nd	-	-
RW - 4	02/28/08	3,798.34	65.41	nd	-	-
RW - 4	03/04/08	3,798.34	65.41	nd	-	-
RW - 4	03/12/08	3,798.34	65.39	nd		
RW - 4	03/18/08	3,798.34	65.45	nd	-	-
RW - 4	03/22/08	3,798.34	65.43	nd	-	
RW - 4	04/01/08	3,798.34	65.46	nd	-	-
RW - 4	04/08/08	3,798.34	65.47	nd	-	
RW - 4	04/15/08	3,798.34	65.46	nd	-	-
RW - 4	04/22/08	3,798.34	65.49	nd	-	-
RW - 4	04/29/08	3.798.34	65.49	nd	-	-
RW - 4	05/06/08	3.798.34	65.49	nd	-	_
RW - 4	05/13/08	3 798 34	65.47	nd	-	
RW - 4	05/20/08	3,798,34	65.48	nd	······	
RW - 4	05/28/08	3 798 34	65.47	nd		
RW - 4	06/02/08	3 798 34	65.51	nd		
RW - 4	06/10/08	3 798 34	65.52	nd		
RW - 4	06/17/08	3 798 34	65.55	nd		
$\frac{RW-4}{RW-4}$	07/08/08	3 708 34	65.58	nd		
RW - 4	07/13/08	3 708 34	65.57	nd		
RW - 4	07/22/08	3 708 34	65.63	nd		
RW - 4	08/07/08	3 708 34	65.61	nd		
DW 4	08/07/08	3 708 34	65.63	nd		
PW - 4	08/12/08	3 708 34	65.64	nd nd	-	
RW = 4	08/21/08	3 708 34	65.54	nd		
	08/20/08	3,798.34	65.67	nd		
	09/05/08	3 708 34	65.69	nd		
$\overline{\mathbf{PW}}$ - 4	09/15/08	3,798.34	65.69	nd		
$\frac{1}{1}$	09/24/08	3 708 34	65 73	nd nd	-	
$\overline{\mathbf{R}\mathbf{W}}$ - 4	10/07/08	3,798.34	65.73	nd	<u> </u>	· · · · · ·
	10/07/08	2 709 24	65.75	nu		
$\frac{KW-4}{DW}$	10/24/08	2 709 24	65.70	nu 		
<u> </u>	10/2//08	3,798.34	65.77	nd		
$\frac{\mathbf{R}\mathbf{W}-4}{\mathbf{D}\mathbf{W}}$	11/04/08	3,798.34	65.70	nd		· · · · · · · · · · · · · · · · · · ·
<u>RW-4</u>	11/12/08	3,798.34	65 70	nd		
RW-4	11/19/08	2 709 24	65.02	nd		
$\frac{KW-4}{DW}$	12/05/08	3,798.34	65.82	nd	·	
<u>RW-4</u>	12/10/08	3,798.34	65.88	nd		
<u> </u>	12/30/08	3,798.34	03.83	IIU	a the second second second	The British States
DW 5	02/20/00	3 707 60	<u>11787 (5 %</u>	65.55	0.00	2 722 05
<u>RW-5</u>	02/28/08	3,797.60		65.33	0.00	3,732.05
RW-3	00/15/00	3,797.00	-	65.00	0.00	2 721 72
KW • 3	09/15/08	3,191.00	-	03.88	0.00	3,/31./2
<u>KW-J</u>	12/03/08	3;/Y/.00	and the second sec	00.01	0.00	3,/31.39
ाक्ष र 	01/07/00			(7.15		
KW - 6		3,797.28	64.65	67.15	2.50	3,732.26
<u>KW-6</u>	01/15/08	3,797.28	64.97	65.79	0.82	3,732.19
<u> </u>	01/22/08	3,797.28	65.03	65.59	0.56	3,732.17
<u>RW-6</u>	02/05/08	3,797.28	65.03	65.87	0.84	3,732.12
<u> </u>	02/13/08	3,797.28	65.09	65.58	0.49	3,732.12
<u>RW-6</u>	02/19/08	3,797.28	65.14	65.46	0.32	3,732.09
RW - 6	02/26/08	3,797.28	65.16	65.52	0.36	3,732.07
RW - 6	1 02/28/08	3.797.28	65.19	1 65.36	0.17	3 732 06

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2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P. DARR ANGELL 4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

		TOP OF				CORRECTED
WELL NUMBER	DATE MEASURED	CASING ELEVATION	DEPTH TO	DEPTH TO	PSH THICKNESS	GROUND WATER
RW-6	03/04/08	3 797 28	65.14	65.49	0.35	3 732 09
RW - 6	03/12/08	3 797 28	65.10	65.83	0.33	3 732 07
RW-6	03/18/08	3 797 28	65.18	65.52	0.34	3 732 05
RW-6	03/22/08	3 797 28	65.17	65.51	0.34	3 732 06
RW-6	04/01/08	3 797 28	65.21	65.57	0.36	3 732 02
$\frac{RW-6}{RW-6}$	04/08/08	3 797 28	65.23	65.58	0.35	3 732 00
RW_{-6}	04/15/08	3 797 28	65.23	65.56	0.35	3 732 02
PW - 6	04/13/08	3 707 28	65.23	65.61	0.39	3 731 99
RW = 6	04/22/08	3 797 28	65.19	65.82	0.58	3 732 00
$\frac{RW-6}{RW-6}$	05/06/08	3 797 28	65.23	65.58	0.05	3 732 00
$\frac{RW-6}{RW-6}$	05/13/08	3 707 28	65.25	65.62	0.35	3 731 97
$\frac{\mathbf{R}\mathbf{W} - 0}{\mathbf{P}\mathbf{W}}$	05/20/08	3 707 28	65.26	65.59	0.30	3 731 97
	05/28/08	3 707 28	65.26	65.62	0.35	3 731 97
	05/28/08	3,797.28	65.20	65.60	0.30	3 731 04
	06/10/08	3 707 28	65.29	65.68	0.31	3 731 0/
	06/17/00	3 707 20	65 21	65 72	0.40	3 721 01
	00/1//08	3,171.20	65.20	66.07	0.42	3,721.00
	07/12/08	3,171.20	65.25	65.76	0.79	3,721.00
	07/13/08	3,191.28	65.20	65.02	0.41	3,/31.8/
<u>RW-0</u>	07/22/08	3,797.28	65.28	65.83	0.55	3,731.92
<u>RW-6</u>	08/07/08	3,797.28	65.34	65.95	0.01	3,731.83
RW - 6	08/12/08	3,797.28	65.42	65.68	0.26	3,731.82
<u>RW-6</u>	08/21/08	3,797.28	65.42	65:82	0.40	3,731.80
<u>RW-6</u>	08/26/08	3,797.28	65.45	65.63	0.18	3,731.80
<u>RW-6</u>	09/03/08	3,797.28	65.45	65.72	0.27	3,731.79
<u>RW-6</u>	09/15/08	3,797.28	66.08	66.09	0.01	3,731.20
<u>RW-6</u>	09/24/08	3,797.28	65.52	65.79	0.27	3,/31.72
<u>RW-6</u>	09/30/08	3,797.28	65.49	65.82	0.33	3,731.74
<u>RW-6</u>	10/07/08	3,797.28	65.51	65.82	0.31	3,731.72
<u>RW-6</u>	10/24/08	3,797.28	65.50	66.10	0.60	3,731.69
RW - 6	10/27/08	3,797.28	65.58	65.76	0.18	3,731.67
RW - 6	11/04/08	3,797.28	65.55	65.78	0.23	3,731.70
RW - 6	11/12/08	3,797.28	65.56	65.79	0.23	3,731.69
<u>RW - 6</u>	11/19/08	3,797.28	65.57	65.85	0.28	3,731.67
RW - 6	12/03/08	3,797.28	65.58	66.12	0.54	3,731.62
RW - 6	12/16/08	3,797.28	65.59	66.01	0.42	3,731.63
RW - 6	12/30/08	3,797.28	65.55	65.87	0.32	3,731.68
			2		and the second second	
RW - 7	01/07/08	3,797.43	64.71	68.59	3.88	3,732.14
<u>RW - 7</u>	01/15/08	3,797.43	65.20	66.40	1.20	3,732.05
RW - 7	01/22/08	3,797.43	65.28	66.16	0.88	3,732.02
RW - 7	02/05/08	3,797.43	65.21	66.54	1.33	3,732.02
<u>RW - 7</u>	02/13/08	3,797.43	65.30	66.07	0.77	3,732.01
RW - 7	02/19/08	3,797.43	65.38	65.96	0.58	3,731.96
RW - 7	02/26/08	3,797.43	65.41	66.04	0.63	3,731.93
RW - 7	02/28/08	3,797.43	65.43	65.77	0.34	3,731.95
RW - 7	03/04/08	3,797.43	65.41	65.90	0.49	3,731.95
<u>RW - 7</u>	03/12/08	3,797.43	65.39	66.12	0.73	3,731.95
<u>RW - 7</u>	03/18/08	3,797.43	65.41	65.99	0.58	3,731.90
RW - 7	03/22/08	3,797.43	65.39	66.05	0.66	3,731.91
RW - 7	04/01/08	3,797.43	65.46	66.07	0.61	3,731.85
RW - 7 [°]	04/08/08	3,797.43	65.48	66.08	0.60	3,731.83
RW - 7	04/15/08	3,797.43	65.45	66.08	0.63	3,731.85
RW - 7	04/22/08	3 797 43	65.49	66.12	0.63	3 731 81

2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P. DARR ANGELL 4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

.

		TOP OF				CORRECTED
WELL	DATE	CASING	DEPTH TO	DEPTH TO	PSH	GROUND WATER
NUMBER	MEASURED	ELEVATION	PRODUCT	WATER	THICKNESS	ELEVATION
RW - 7	04/29/08	3,797.43	65.48	66.11	0.63	3,731.82
RW - 7	05/06/08	3.797.43	65.52	66.07	0.55	3,731.80
RW - 7	05/13/08	3,797.43	65.47	66.20	0.73	3,731.81
RW - 7	05/20/08	3,797.43	65.62	66.00	0.38	3,731.73
RW - 7	05/28/08	3,797,43	65.51	66.09	0.58	3,731.80
RW - 7	06/02/08	3,797.43	65.55	66.00	0.45	3,731.79
RW - 7	06/10/08	3.797.43	65.54	66.16	0.62	3,731.77
RW - 7	06/17/08	3,797,43	65.58	66.14	0.56	3,731,74
RW - 7	07/08/08	3,797,43	65.47	66.88	1.41	3,731.68
RW - 7	07/13/08	3,797,43	65.61	66.29	0.68	3,731.68
RW - 7	07/22/08	3.797.43	65.57	66.44	0.87	3.731.69
RW - 7	08/07/08	3.797.43	65.57	66.58	1.01	3.731.66
RW - 7	08/12/08	3 797 43	65.68	66.05	0.37	3.731.68
RW - 7	08/21/08	3,797,43	65.64	66.38	0.74	3.731.64
RW - 7	08/26/08	3,797.43	65.71	66.09	0.38	3,731.64
RW - 7	09/03/08	3,797.43	65.71	66.26	0.55	3.731.61
RW - 7	09/15/08	3,797.43	65 72	66 35	0.63	3.731.58
RW - 7	09/24/08	3,797.43	65.72	66.31	0.59	3.731.59
RW - 7	09/30/08	3 797 43	65 71	66.23	0.52	3,731.62
RW - 7	10/07/08	3 797 43	65.78	66 30	0.52	3 731 55
	10/24/08	3 797 43	65.73	66 79	1.06	3 731 49
RW - 7	10/27/08	3 707 43	65.85	66.04	0.19	3 731 54
RW - 7	11/04/08	3 797 43	65.82	66.25	0.13	3 731 52
$\frac{RW}{RW}$ 7	11/12/08	3 707 43	65.82	66 32	0.50	3 731 51
$\frac{RW-7}{RW-7}$	11/12/08	3 707 43	65.86	66.27	0.50	3 731 49
RW - 7	12/03/08	3 797 43	65.57	66.61	1.04	3 731 65
$\frac{RW-7}{RW-7}$	12/16/08	3 797 43	65 73	67.01	1.01	3 731 44
RW - 7	12/30/08	3 797 43	65.85	66.54	0.69	3 731 44
	12/50/00			00.51		<u> </u>
RW - 8	01/07/08	3 798 33	65 74	69.05	3 31	3 732 09
	01/15/08	3 798 33	66 14	67.09	0.95	3 732 05
RW - 8	01/22/08	3 798 33	66.20	66.90	0.70	3 732 03
PW-8	01/22/08	3 708 33	66.15	67.32	117	3 732.00
RW - 8	02/13/08	3 798 33	66.21	67.00	0.79	3 732 00
RW - 8	02/19/08	3 798 33	66 24	66.83	0.59	3 732 00
RW-0	02/19/08	3 708 22	66 20	66.94	0.55	3 731 04
RW-0	02/20/08	3 708 33	66 35	66.62	0.03	3 731 94
RW - 9	02/20/08	3 708 33	66.25	66.90	0.5	3 731 98
RW-8	03/12/08	3 798 33	66 20	67 39	1 19	3 731 95
RW-8	03/18/08	3 708 33	66 33	66.92	0.59	3 731 91
	03/22/08	3 798 33	66 34	66.94	0.60	3 731 90
RW-8	04/01/08	3 798 33	66 38	66 98	0.60	3 731 86
RW - 9	04/08/08	3 708 33	· 66 41	66.97	0.56	3 731 84
RW-9	04/15/08	3,708.33	66 37	67.05	0.50	3 731 86
	04/22/08	3 708 22	66.41	67.03	0.00	3 731 83
	04/22/08	3 708 22	66.40	67.04	0.03	3,731.03
	05/06/08	3 700 22	66.40	67.00	0.00	3,731.03
<u>KW-8</u>	05/00/08	3,/98.33	66.20	67.10	0.00	2 721 92
<u>KW-8</u>	05/13/08	3,198.33	00.39	67.10	0.71	3,/31.83
<u>KW-8</u>	05/20/08	3,798.33	00.39	67.00	0.74	3,/31.83
<u>KW-8</u>	05/28/08	3, 198.33	00.40	07.09	0.69	3,/31.83
<u></u>	06/02/08	3,798.33	00.44	00.88	0.44	3,/31.82
<u>- KW - 8</u>	06/10/08	3,798.33	00.43	0/.12	0.69	3,/31.80
KW - 8	06/17/08	3,798.33	66.50	67.07	0.57	5,/31.74

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2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P. DARR ANGELL 4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

		TOP OF				CORRECTED
WELL	DATE	CASING	ДЕРТН ТО	ДЕРТН ТО	PSH	GROUND WATER
NUMBER	MEASURED	ELEVATION	PRODUCT	WATER	THICKNESS	ELEVATION
RW - 8	07/08/08	3 798 33	66.36	67.91	1.55	3,731,74
RW - 8	07/13/08	3 798 33	66.50	67.34	0.84	3,731,70
RW - 8	07/22/08	3 798 33	66.41	67.55	1.14	3.731.75
RW - 8	08/07/08	3 798 33	66.45	67.76	1.31	3.731.68
RW - 8	08/12/08	3 798 33	66.60	67.07	0.47	3,731,66
RW - 8	08/21/08	3 798 33	66.55	67.42	0.87	3,731.65
	08/26/08	3 798 33	66.63	67.08	0.67	3 731 63
RW - 8	09/03/08	3 798 33	66.63	67.24	0.61	3 731 61
RW - 8	09/05/08	3 798 33	66.58	67.51	0.93	3 731 61
	09/24/08	3 708 33	66.63	67.34	0.73	3 731 59
	09/20/08	3,738.33	66.68	67.04	0.71	3 731 60
	10/07/08	2 709 22	66.67	67.34	0.50	3 731 56
	10/07/08	3,798.33	66.57	67.84	1.27	3,731.50
<u> </u>	10/24/08	3,798.33	66.75	67.15	1.27	2 721 52
<u> </u>	10/27/08	3,798.33	00.75	67.24	0.40	2 721 56
	11/04/08	2,708.22	66.69	67.20	0.33	3,731.50
	11/12/08	3,198.33	66.09	67.29	0.00	2 721 52
KW - 8	11/19/08	3,198.33	66.70	67.65	0.05	3,731.32
<u>RW-8</u>	12/03/08	3,798.33	66.70	07.03	0.95	3,731.49
<u>RW-8</u>	12/16/08	3,798.33	66.74	67.65	0.91	3,731.45
<u> </u>	12/30/08	3,798.33	66./4	67.68	0.94	3,/31.43
	01/07/00			70.05		2 722 20
<u>RW-9</u>	01/07/08	3,797.99	64.94	70.05		3,732.28
<u>RW-9</u>	01/15/08	3,797.99	65.47	67.68	2.21	3,732.19
<u>RW-9</u>	01/22/08	3,797.99	65.59	67.14	1.55	3,732.17
<u></u>	02/05/08	3,797.99	65.47	67.95	2.48	3,732.15
<u>RW - 9</u>	02/13/08	3,797.99	65.63	67.25	1.62	3,732.12
RW - 9	02/19/08	3,797.99	65.75	66.88	1.13	3,732.07
RW - 9	02/26/08	3,797.99	65.75	66.98	1.23	3,732.06
RW - 9	02/28/08	3,797.99	65.92	66.38	0.46	3,732.00
<u>RW - 9</u>	03/04/08	3,797.99	65.69	67.19	1.50	3,732.08
RW - 9	03/12/08	3,797.99	65.56	67.82	2.26	3,732.09
<u>RW - 9</u>	03/18/08	3,797.99	65.78	66.91	1.13	3,732.04
RW - 9	03/22/08	3,797.99	65.81	66.96	1.15	3,732.01
<u>RW - 9</u>	04/01/08	3,797.99	65.80	66.95	1.15	3,732.02
RW - 9	04/08/08	3,797.99	65.83	66.92	1.09	3,732.00
RW - 9	04/15/08	3,797.99	65.75	67.19	1.44	3,732.02
RW - 9	04/22/08	3,797.99	65.88	67.09	1.21	3,731.93
RW - 9	04/29/08	3,797.99	65.73	67.74	2.01	3,731.96
RW - 9	05/06/08	3,797.99	65.88	67.03	1.15	3,731.94
RW - 9	05/13/08	3,797.99	65.84	67.01	1.17	3,731.97
RW - 9	05/20/08	3,797.99	65.90	66.88	0.98	3,731.94
RW - 9	05/28/08	3,797.99	65.92	67.04	1.12	3,731.90
RW - 9	06/02/08	3,797.99	65.98	66.69	0.71	3,731.90
RW - 9	06/10/08	3,797.99	65.91	66.98	1.07	3,731.92
<u>RW - 9</u>	06/17/08	3,797.99	66.00	66.96	0.96	3,731.85
RW - 9	07/08/08	3,797.99	65.74	68.11	2.37	3,731.89
RW - 9	07/13/08	3,797.99	65.92	67.20	1.28	3,731.88
RW - 9	07/22/08	3,797.99	66.06	66.73	0.67	3,731.83
RW - 9	08/07/08	3,797.99	65.89	67.67	1.78	3,731.83
RW - 9	08/12/08	3,797.99	66.11	66.85	0.74	3,731.77
RW - 9	08/21/08	3,797.99	66.08	67.13	1.05	3,731.75
RW - 9	08/26/08	3,797.99	66.17	66.77	0.60	3,731.73
RW - 9	09/03/08	3,797,99	66.13	67.02	0.89	3,731,73

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2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P. DARR ANGELL 4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

		TOP OF				CORRECTED
WELL	DATE	CASING	ДЕРТН ТО	DEPTH TO	PSH	GROUND WATER
NUMBER	MEASURED	ELEVATION	PRODUCT	WATER	THICKNESS	ELEVATION
<u>RW - 9</u>	09/15/08	3,797.99	66.09	67.34	1.25	3,731.71
<u>RW - 9</u>	09/24/08	3,797.99	66.17	67.15	0.98	3,731.67
<u>RW - 9</u>	09/30/08	3,797.99	66.20	67.06	0.86	3,731.66
<u>RW - 9</u>	10/07/08	3,797.99	66.16	67.04	0.88	3,731.70
<u>RW - 9</u>	10/24/08	3,797.99	66.09	67.77	1.68	3,731.65
<u>RW - 9</u>	10/27/08	3,797.99	66.31	66.77	0.46	3,731.61
<u>RW - 9</u>	11/04/08	3,797.99	66.27	66.99	0.72	3,731.61
<u>RW - 9</u>	11/12/08	3,797.99	66.26	67.04	0.78	3,731.61
<u>RW - 9</u>	11/19/08	3,797.99	66.30	66.96	0.66	3,731.59
<u>RW - 9</u>	12/03/08	3,797.99	66.25	67.43	1.18	3,731.56
<u>RW - 9</u>	12/16/08	3,797.99	66.08	68.00	1.92	3,731.62
RW - 9	12/30/08	3,797.99	66.28	67.43	1.15	3,731.54
in the	- 这些社会管理	24 33 4416分子		也是法的权利		
<u>RW</u> - 10	02/28/08	3,799.10	66.14	67.38	1.24	3,732.77
<u>RW</u> - 10	05/28/08	3,799.10	67.44	67.48	0.04	3,731.65
<u>RW</u> - 10	08/21/08	3,799.10	F	UMP IN WEI	L	3,799.10
<u>RW</u> - 10	08/26/08	3,799.10	F	PUMP IN WEI	LL	3,799.10
RW - 10	09/03/08	3,799.10	F	UMP IN WEI	LL	3,799.10
RW - 10	09/15/08	3,799.10	67.09	71.74	4.65	3,731.31
RW - 10	09/30/08	3,799.10	H	UMP IN WEI	L	3,799.10
RW - 10	10/07/08	3,799.10	, F	UMP IN WEI	L.	3,799.10
RW - 10	10/24/08	3,799.10	F	UMP IN WEI	L	3,799.10
RW - 10	11/04/08	3,799.10	F	UMP IN WEI	LL	3,799.10
RW - 10	12/03/08	3,799.10	67.48	72.03	4.55	3,730.94
RW - 11	02/28/08	3,796.65	63.71	69.96	6.25	3,732.00
RW - 11	05/28/08	3,796.65	64.02	70.22	6.20	3,731.70
RW - 11	08/21/08	3.796.65	F	UMP IN WEI		3,796.65
RW - 11	08/26/08	3.796.65	H H	UMP IN WEI	L	3,796.65
RW - 11	09/03/08	3.796.65	F	PUMP IN WEI	LL	3,796.65
RW - 11	09/15/08	3 796.65	64.13	70.27	6.14	3.731.60
RW - 11	09/30/08	3 796 65	I III	PUMP IN WEI	L	3,796.65
RW - 11	10/07/08	3 796 65	F	PUMP IN WEI		3 796 65
RW - 11	10/24/08	3 796 65	I I	PUMP IN WEI		3 796 65
RW - 11	11/04/08	3 796 65	T	PUMP IN WE	 LL	3,796.65
RW - 11	12/03/08	3,796.65	64 44	70.16	5.72	3,731.35
		5,, 70.05			S.I.L.	
RW - 12	01/07/08	3,798.13	65.69	68.24	2.55	3,732.06
RW - 12	01/15/08	3.798.13	66.01	66.88	0.87	3,731.99
RW - 12	01/22/08	3,798.13	66.04	66.71	0.67	3,731.99
RW 12	02/05/08	3,798.13	66 01	67.12	1 11	3.731.95
RW - 12	02/13/08	3,798.13	66.08	66.83	0.75	3.731.94
RW - 12	02/19/08	3,798.13	66.14	66.62	0.48	3,731.92
RW - 12	02/26/08	3 798 13	66.16	66.69	0.53	3,731.89
RW - 12	02/28/08	3,798.13	66 20	66.43	0.23	3 731 90
RW - 12	03/04/08	3 798 13	66.16	66 71	0.55	3,731.89
RW - 12	03/12/08	3 798 13	66.15	66 74	0.59	3 731 89
RW 12	03/12/00	3 708 12	66.10	66.66	0.39	3 731 97
$\frac{1}{12}$	03/10/00	3 709 12	66 17	66 70	0.52	3 721 00
RW - 12	03/22/08	2 709 12	66.21	66 72	0.33	2 721 04
KW - 12	04/01/08	3,798.13	00.21	66.72	0.51	2,721.02
<u>KW - 12</u>	04/08/08	3,798.13	00.23	00:73	0.50	3,/31.83
<u>KW - 12</u>	04/15/08	3,798.13	00.21	00.53		3,/31.8/
KW - 12	1 04/22/08	1 3.798.13	66.23	66.75	0.52	3,731.82

2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P. DARR ANGELL 4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

		TOP OF				CORRECTED
WELL	DATE	CASING	DEPTH TO	ДЕРТН ТО	PSH	GROUND WATER
NUMBER	MEASURED	ELEVATION	PRODUCT	WATER	THICKNESS	ELEVATION
RW - 12	04/29/08	3,798.13	66.18	66.99	0.81	3,731.83
RW - 12	05/06/08	3,798.13	66.25	66.74	0.49	3,731.81
RW - 12	05/13/08	3,798.13	66.25	66.83	0.58	3,731.79
RW - 12	05/20/08	3,798.13	66.28	66.83	0.55	3,731.77
RW - 12	05/28/08	3,798.13	66.28	66.83	0.55	3,731.77
RW - 12	06/02/08	3,798.13	66.32	66.66	0.34	3,731.76
RW - 12	06/10/08	3,798.13	66.29	66.82	0.53	3,731.76
RW - 12	06/17/08	3,798.13	66.33	66.75	0.42	3,731.74
RW - 12	07/08/08	3,798.13	66.24	67.42	1.18	3,731.71
RW - 12	07/13/08	3,798.13	66.33	67.00	0.67	3,731.70
RW - 12	07/22/08	3,798.13	66.32	67.16	0.84	3,731.68
RW - 12	08/07/08	3,798.13	66.34	67.25	0.91	3,731.65
	08/12/08	3,798.13	66.42	66.73	0.31	3,731.66
	08/21/08	3,798.13	66.40	67.05	0.65	3,731.63
RW - 12	08/26/08	3,798.13	66.45	66.79	0.34	3,731.63
RW - 12	09/03/08	3,798.13	66.46	66.94	0.48	3,731.60
	09/15/08	3,798.13	66.45	67.09	0.64	3,731.58
RW - 12	09/24/08	3,798.13	66.49	67.01	0.52	3,731.56
RW - 12	09/30/08	3,798.13	66.51	66.92	0.41	3,731.56
RW - 12	10/07/08	3,798.13	66.51	66.99	0.48	3,731.55
RW - 12	10/24/08	3,798.13	66.47	67.40	0.93	3,731.52
	10/27/08	3,798.13	66.58	66.86	0.28	3,731.51
RW - 12	11/04/08	3,798.13	66.58	66.93	0.35	3,731.50
	11/12/08	3,798.13	66.79	66.83	0.04	3,731.33
RW - 12	11/19/08	3,798.13	66.60	66.95	0.35	3,731.48
RW - 12	12/03/08	3,798.13	66.58	67.23	0.65	3,731.45
	12/16/08	3,798.13	66.60	67.19	0.59	3,731.44
RW - 12	12/30/08	3,798.13	66.61	67.23	0.62	3,731.43
				这个分词通道		
	01/07/08	3,798.52	66.13	68.60	2.47	3,732.02
	01/15/08	3,798.52	66.43	67.09	0.66	3,731.99
	01/22/08	3,798.52	66.46	66.89	0.43	3,732.00
	02/05/08	3,798.52	66.44	67.31	0.87	3,731.95
	02/13/08	3,798.52	66.49	67.01	0.52	3,731.95
	02/19/08	3,798.52	66.54	66.94	0.40	3,731.92
RW - 13	02/26/08	3,798.52	66.56	67.03	0.47	3,731.89
<u>RW - 13</u>	02/28/08	3,798.52	66.60	66.78	0.18	3,731.89
	03/04/08	3,798.52	66.47	67.18	0.71	3,731.94
<u>RW - 13</u>	03/12/08	3,798.52	66.51	67.26	0.75	3,731.90
<u>RW - 13</u>	03/18/08	3,798.52	66.50	66.98	0.48	3,731.95
<u>RW - 13</u>	03/22/08	3,798.52	66.60	67.02	0.42	3,731.86
<u>RW - 13</u>	04/01/08	3,798.52	66.61	67.06	0.45	3,/31.84
$-\frac{\text{KW} - 13}{\text{DW} - 12}$	04/08/08	3,798.52	66.64	67.05	0.41	3,/31.82
<u>RW - 13</u>	04/15/08	3,798,52	66.61	. 67.03	0.42	3,731.85
<u>RW - 13</u>	04/22/08	3,798.52	66.67	67.08	0.41	3,/31.79
RW - 13	04/29/08	3,798.52	66.67	67.08	0.41	3,/31./9
<u>RW - 13</u>	05/06/08	3,798.52	66.65	67.03	0.38	3,731.81
<u>RW - 13</u>	05/13/08	3,798.52	66.65	67.14	0.49	3,/31.80
<u>RW - 13</u>	05/20/08	3,798.52	66.69	67.04	0.35	3,/31.78
<u>KW - 13</u>	05/28/08	3,798.52	66.69	67.04	0.35	5,731.78
$-\frac{KW-13}{DW}$	06/02/08	3,798.52	66.71	67.03	0.32	3,731.76
<u>RW - 13</u>	06/10/08	3,798.52	66.70	67.00	0.42	3,/31./6
I KW-L3	1 UD/1//UX	1) / 98) /	1 00 / 3	1 07.09	1 0.00	1 3.731.74

2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P. DARR ANGELL 4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

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		TOP OF				CORRECTED
WELL	DATE	CASING	DEPTH TO	ДЕРТН ТО	PSH	GROUND WATER
NUMBER	MEASURED	ELEVATION	PRODUCT	WATER	THICKNESS	ELEVATION
RW - 13	07/08/08	3,798.52	66.70	67.48	0.78	3,731.70
RW - 13	07/13/08	3,798.52	66.74	67.28	0.54	3,731.70
RW - 13	07/22/08	3,798.52	66.79	67.34	0.55	3,731.65
RW - 13	08/07/08	3,798.52	66.76	67.47	0.71	3,731.65
RW - 13	08/12/08	3,798.52	66.84	67.04	0.20	3,731.65
RW - 13	08/21/08	3,798.52	66.81	67.34	0.53	3,731.63
RW - 13	08/26/08	3,798.52	66.88	67.05	0.17	3,731.61
RW - 13	09/03/03	3,798.52	66.87	67.24	0.37	3,731.59
RW - 13	09/15/08	3,798.52	66.87	67.35	0.48	3,731.58
RW - 13	09/24/08	3,798.52	66.90	67.24	0.34	3,731.57
RW - 13	09/30/08	3,798.52	66.93	67.19	0.26	3,731.55
RW - 13	10/07/08	3,798.52	66.93	67.26	0.33	3,731.54
RW - 13	10/24/08	3,798.52	66.92	67.56	0.64	3,731.50
RW - 13	10/27/08	3,798.52	67.01	67.15	0.14	3,731.49
RW - 13	11/04/08	3,798.52	66.99	67.22	0.23	3,731.50
RW - 13	11/12/08	3,798.52	-	67.81	0.00	3,730.71
RW - 13	11/19/08	3,798.52	-	67.18	0.00	3,731.34
RW - 13	12/03/08	3,798.52	-	67.24	0.00	3,731.28
RW - 13	12/16/08	3,798.52	67.06	67.27	0.21	3,731.43
RW - 13	12/30/08	3,798.52	67.04	67.44	0.40	3,731.42
and the second	F.C. TELEVIS	NG LEAC	10NX		· 教教 · 公本教授	
Tank	06/02/08		9.52	10.07	0.55	
Tank	06/10/08		9.31	9.80	0.49	
Tank	06/17/08		9.12	9.63	0.51	
Tank	07/08/08		8.78	9.25	0.47	
Tank	07/13/08		8.60	9.10	0.50	
Tank	07/22/08		8.56	9.03	0.47	
Tank	08/07/08		12.06	12.18	0.12	
Tank	08/12/08		12.00	12.11	0.11	
Tank	08/21/08		11.92	12.02	0.10	
Tank	08/26/08		11.93	12.03	0.10	
Tank	09/03/08		11.89	11.98	0.09	
Tank	09/15/08		11.84	11.93	0.09	
Tank	09/24/08		11.91	11.96	0.05	
Tank	09/30/08		11.85	11.98	0.13	
Tank	10/07/08		11.85	11.99	0.14	
Tank	10/24/08		11.79	12.04	0.25	
Tank	10/27/08		11.82	11.96	0.14	
Tank	11/04/08		11.82	11.98	0.16	
Tank	11/12/08		11.83	12.26	0.43	
Tank	11/19/008		11.82	11.97	0.15	
Tank	12/16/08		11.79	12.18	0.39	
Tank	12/30/08		11.82	12.14	0.32	
SLA Ref						

* Complete Historical tables are presented on the attached CD. Elevations based on the North American Vertical Datum of 1929. nd= No Water detected in well below PSH

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2008 - CONCENTRATIONS OF BTEX AND TPH IN GROUNDWATER

PLAINS MARKETING, L.P. DARR ANGELL 4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

All concentrations are reported in mg/L

		EPA SW 8	346-8015M	SW 846-8260b					
SAMPLE LOCATION	SAMPLE DATE	GRO C6-C12 mg/L	DRO C12-C35 mg/L	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	0 - XYLENE	
NMOCD Regu	latory Limit			0.01	0.75	0.75	0.	62	
MW - 1A	12/03/08			< 0.001	<0.001	< 0.001	< 0.001	<0.001	
RESEARCH -			*热剧行徒 派					教务检测	
MW - 2	02/28/08			Not Sampled	on Current Sa	ample Schedul	e		
MW - 2	05/28/08			Not Sampled	on Current Sa	ample Schedul	e		
MW - 2	09/15/08			Not Sampled	on Current Sa	ample Schedul	e		
MW - 2	12/03/08			< 0.001	<0.001	< 0.001	<0.	001	
SROOM DO DO		the contract in the							
MW - 3	02/28/08			< 0.001	< 0.001	< 0.001	<0.	001	
MW - 3	05/28/08			Not Sampled	on Current Sa	ample Schedul	e		
MW - 3	09/15/08			< 0.001	< 0.001	<0.001	<0.	001	
MW - 3	12/03/08			< 0.001	< 0.001	< 0.001	<0.	001	
	2010			1977 - 1954G		200 80 20		Red to 5	
MW - 4	02/28/08	5 5 5 5 4 <u>5</u>	2 4 4 4 1 2 1 1 4 1 4 1 2 4 1 4 1 4 1	Not Sampled	on Current Sa	mple Schedul	e		
MW - 4	05/28/08			Not Sampled	on Current Sa	ample Schedul	e		
MW - 4	09/15/08			Not Sampled	on Current S	ample Schedul	e.		
MW - 4	12/03/08	<u> </u>		<0.001	<0.001	<0.001	<0	001	
C. SPA- APACTARIA	12/05/00	1 4 4 4 4	112.82.22				34348F343	SEPERAL AND	
MW - 5	02/28/08	5 N 1	2 5" 2 1 X	Not Sampled	on Current S	ample Schedul	P	N	
MW 5	05/28/08			Not Sampled	on Current St	ample Schedul	e		
MW - 5	00/15/08			Not Sampled	on Current Sa	ample Schedul	e		
WW - 5	12/02/08	<u> · · · · · · · · · · · · · · · · · · ·</u>		<0.001				001	
IVI VV - 3	12/03/08	图44.5% (17.5%)		<u> <0.001</u>	~0.001	<0.001	~0.		
	02/20/00	C. S. C. W. C. S. W. S. WYR	And Bar St. 198	<0.001	<0.001	0.0010	0.0	016	
<u>MW-6</u>	02/28/08			Not Commind		 mnia Sahadul	0.0	010	
MW-6	05/28/08			Not Sampled				001	
MW - 6	09/15/08			<0.001	<0.001	<0.001	<0.	001	
MW - 6	12/03/08	1.5.14.2.37312.38	San and the second second	<0.001	<0.001	<0.001			
C. S. Trans S. Amer 22	00,00,000	AN ANNA ANA	الالالغ بغبيه بالعالم			The same of the state	BARE STATISTICS	2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	
MW - 7	02/28/08	<u> </u>		Not Sampled	on Current Sa	ample Schedu			
MW - 7	05/28/08			Not Sampled	on Current Sa	ample Schedu			
<u>MW - 7</u>	09/15/08			Not Sampled	on Current Sa	ample Schedu			
<u>MW - 7</u>	12/03/08	States Martine and	NAZE LANDARA	<0.001	<0.001	<0.001	<0.	UUI Kees 202 Lanses	
				323. (MA)	A AND ALL AND	#cattering of	The second se		
<u>MW - 8</u>	02/28/08	<u> </u>		Not Sampled	Due to PSH i	n well		1.00	
<u>MW - 8</u>	05/28/08			0.0063	<0.00500	0.0100	0.0	017	
<u>MW - 8</u>	09/15/08			0.0019	<0.00100	0.0024	0.0	017	
MW - 8	12/03/08	Martin Control	A LOOK AND THE REAL PARTY	0.0042	<0.00100	0.0137		026 March 288 William Chilling	
	REAL PROPERTY		ten and an	1. K.	MAN CANADA T				
<u>MW-9</u>	02/28/08	<u> </u>		Not Sampled	on Current Sa	ample Schedu	ie	001	
<u>MW - 9</u>	05/28/08	<u> </u>		< 0.001	<0.001	<0.001	<0	1001	
<u>MW-9</u>	09/15/08	<u> </u>		Not Sampled	on Current Sa	ample Schedu		001	
MW - 9	12/03/08	AND A CHARGE A DOM	exection water at a	<0.001	<0.001	<0.001	<0	UUI Taisa ann a' risseannai	
			THE SMOT					開発した活動の影	
MW - 10	02/28/08	<u> </u>		<0.001	<0.001	<0.001	<0	.001	
<u>MW - 10</u>	.05/28/08	<u>e e e e</u>	•	<0.001	<0.001	<0.001	<0	001	
MW - 10	09/15/08	<u> </u>		< 0.001	<0.001	<0.001	<0	001	
MW - 10	12/03/08	NW Sch	er - 68 1 198 # 4800 - ** **	<0.001	<0.001	< 0.001	<0	001	
					国際の教育部長				

2008 - CONCENTRATIONS OF BTEX AND TPH IN GROUNDWATER

PLAINS MARKETING, L.P. DARR ANGELL 4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

All concentrations are reported in mg/L

<u> </u>		EPA SW	46-8015M	1		SW 846-8260b		
SAMPLE LOCATION	SAMPLE DATE	GRO C6-C12 mg/L	DRO C12-C35 mg/L	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	0 - Xylene
NMOCD Regu	latory Limit			0.01	0.75	0.75	0.	62
MW - 11	02/28/08			Not Sampled	on Current Sa	mple Schedul	e	
MW - 11	05/28/08			Not Sampled	on Current Sa	ample Schedul	e	
MW - 11	09/15/08			Not Sampled	on Current Sa	ample Schedul	e	
MW - 11	12/03/08			< 0.001	< 0.001	< 0.001	<0.	001
48.5	0.000			SLORG ST	A ALCON			
MW - 12	02/28/08			Not Sampled	on Current Sa	ample Schedul	e	
MW - 12	05/28/08			Not Sampled	on Current Sa	ample Schedul	e	
MW - 12	09/15/08			Not Sampled	on Current Sa	mple Schedul	e	
MW - 12	12/03/08			< 0.001	< 0.001	< 0.001	<0.	001
MARCH 280	N. 8 . 4	Y LA MARINA A		就在自己的以				1. 2. A. A.
MW - 13	02/28/08	<u> </u>	an a	Not Sampled	on Current Sa	mple Schedul	e	1997-1998 - 2000 - 20 - 2 (P. J. C. S. J. C. S.
MW - 13	05/28/08			Not Sampled	on Current Sa	mole Schedul	e	
MW - 13	09/15/08			Not Sampled	on Current Sa	mple Schedul	e	
MW - 13	12/03/08			<0.001	<0.001	<0.001	<0	001
CONTRACTOR	12/05/00	and the set	9. 产生	201001 2011		18 St. 18	Trine Castella	
MW - 14	02/28/08	1 4. 3 1811	1274 ALEXEN 12703	<0.001	<0.001	<0.001	<0	001
MW - 14	05/28/08			<0.001	<0.001	<0.001	<0	001
MW 14	09/15/08			<0.001	<0.001	<0.001	<0	001
MW 14	12/03/08			<0.001	<0.001	<0.001	<0	001
- 14 - 14	12/03/08	1. 19 - 20 - 10	F. Alexandra		-0.001	-0.001		
MW 15	02/28/08	11111111111111	 THE STARE STARE 	0.0177	<0.001	<0.001	<0	001
MW 15	02/28/08	ļ		0.01//	<0.001	0.0012	<0.	001
MW - 15	03/28/08			0.0301	<0.001	0.0012		002
MW 15	12/02/08			0.1200	<0.003	0.0104	0.0	282
15	12/05/08		THE REAL PROPERTY OF	0.0039	~0.001	0.0233	0.0	202
ANN 14	00/00/00	Y CARD 44.5%		49-59-7 /%/J	ATTEL149 (1) 表示的 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	<0.001	<u></u>	001
MW - 16	02/28/08			<0.001	<0.001	<0.001	<0.	001
<u>MW - 16</u>	05/28/08			<0.001	<0.001	<0.001	<0.	001
<u>IVIW - 16</u>	09/15/08			<0.001	<0.001	<0.001	<0.	001
<u>IVIW - 16</u>	12/03/08	\$	7454×	<0.001	<0.001	<u>~0.001</u>		
	27.8.1.1.2	<u> Shiked addab</u>	1976-1996 (2019) 1	Report Alternation	DOM: NOTION	AN IN THE REAL PROPERTY OF		
<u> 1</u>	02/28/08			Not Sampled	Due to PSH 1	n well	<u> </u>	
<u>RW - 1</u>	05/28/08			Not Sampled	Due to PSH i	n Well		
<u>RW - 1</u>	09/15/08			Not Sampled	Due to PSH 1	n well		<u> </u>
<u> </u>	12/03/08	<2.00	35.20	0.0589	0.0402	0.0317	0.0	944 2001 - 2011 - 2011 - 2011
State And	100 00 VC 2	COL VE COMMENT	CIER SAL	ST G ANT		A AMERICA	And the second s	
<u>RW - 2</u>	02/28/08			Not Sampled	Due to PSH i	n Well	<u> </u>	
<u>RW - 2</u>	05/28/08			Not Sampled	Due to PSH i	n Well	<u> </u>	ļ
<u>RW - 2</u>	09/15/08			Not Sampled	Due to PSH i	n Well		L
<u></u>	12/03/08	150.0	108.0	16.70	7.31	6.66	16	.70
on an the second se		T The market	ST AND IN CAS		7.2	C.S. Margaret		
<u>RW - 3</u>	02/28/08			Not Sampled	Due to PSH i	n Well	-	
<u>RW - 3</u>	05/28/08	ļ		Not Sampled	Due to PSH i	n Well	+	
<u>RW</u> - 3	09/15/08			Not Sampled	Due to PSH i	n Well	L	
<u>RW - 3</u>	12/03/08			Not Samplec	Due to Insuff	icient Water in	n Well	
Tar a subsection of the second	New York Control of Co	CALL BE SHOP				1.25 Million Strategics Pro-		

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2008 - CONCENTRATIONS OF BTEX AND TPH IN GROUNDWATER

PLAINS MARKETING, L.P. DARR ANGELL 4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

		EPA SW 8	46-8015M	1	1	SW 846-8260b	la de la composición	
SAMPLE LOCATION	SAMPLE DATE	GRO C6-C12 mg/L	DRO C12-C35 mg/L	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	0 - Xylene
NMOCD Regu	latory Limit			0.01	0.75	0.75	0.	62
RW - 4	02/28/08			Not Sampled	Due to PSH i	n Well		
RW - 4	05/28/08			Not Sampled	Due to PSH i	n Well		
RW - 4	09/15/08			Not Sampled	Due to PSH i	n Well		
RW - 4	12/03/08			Not Sampled	Due to Insuff	icient Water in	well	
1. N. 2 2 2 2 3	1.	DECESSION	GRAPPE YP	RAN GAR	Webs Fight	P Martin	GREAT.	
RW - 5	02/28/08			0.0044	< 0.001	0.0090	0.0	017
RW - 5	05/28/08			0.0299	0.0043	0.2190	0.14	470
RW - 5	09/15/08			0.0248	0.0250	0.6020	0.4	180
RW - 5	12/03/08			0.0535	0.0597	0.8830	0.7	060
1			Contraction of the second	3			24 Per x 2 - 2	
RW - 6	02/28/08			Not Sampled	Due to PSH i	n Well	NAME AND A DOCTOR OF A DOCTOR	· · · · · · · · · · · · · · · · · · ·
	05/28/08			Not Sampled	Due to PSH i	n Well		
RW - 6	09/15/08			Not Sampled	Due to PSH i	n Well		
$\frac{RW}{RW}$	12/03/08			Not Sampled	Due to Insuff	icient Water in	n Well	
<u></u>	12/05/00	1.797664.2393	STANKS. C	Not Sampled	Due to msun			8. S
DW 7	02/28/08	CONTRACTOR - AND	P. W. T. Williams, S. A.	Not Sampled	Due to PSH i	n Well	WARAN GALLER	and the second second
<u>RW - 7</u>	02/28/08			Not Sampled	Due to PSH i	n Well		
<u></u>	03/28/08			Not Sampled	Due to PSH i	n Woll		
<u></u>	12/02/08			Not Sampled		0.514		10
<u></u>	12/03/08	. 23.007 (A. 199 Mars	WORKLAM, 14	1.540	0.040	[0.314 Material	1.5	10
D111 0		1. 1986 (WARP AND 2004	WAR WERE	1	Due to DOLL	· · · · · · · · · · · · · · · · · · ·	5 and 19 8 4 8 18 18 18 18 18 18 18 18 18 18 18 18 1	235 142 121
<u></u>	02/28/08			Not Sampled	Due to PSH I	n well		
<u></u>	05/28/08			Not Sampled	Due to PSH 1	n Well		
	09/15/08			Not Sampled	Due to PSH 1	n Well		
<u></u>	12/03/08	3.56	58.40	0.220	0.175	0.118	0.3	56
<u>ta di Soffician</u>	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Participation				建制的 企业中于	
RW - 9	. 02/28/08			Not Sampled	Due to PSH i	n Well		
<u>RW - 9</u>	05/28/08			Not Sampled	Due to PSH i	n Well		
<u>RW - 9</u>	09/15/08			Not Sampled	Due to PSH i	n Well		
<u>RW - 9</u>	12/03/08	77.50	142.00	7.660	3.840	2.810	7.2	.00
					<u>C. 78 S</u>		a and a second	
<u>RW - 10</u>	02/28/08			Not Sampled	Due to PSH i	n Well		
RW - 10	05/28/08			Not Sampled	Due to PSH i	n Well		
<u>RW - 10</u>	09/15/08			Not Sampled	Due to PSH i	n Well		
<u>RW - 10</u>	12/03/08	81.00	904.00	7.720	6.030	2.740	8.4	70
		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			國國行動的行為		and a subscription	
<u>RW - 11</u>	02/28/08			Not Sampled	Due to PSH i	n Well		
<u>RW - 11</u>	05/28/08			Not Sampled	Due to PSH i	n Well		
RW - 11	09/15/08			Not Sampled	Due to PSH i	n Well		
RW - 11	12/03/08	38.40	127.00	3.180	1.680	1.070	3.0	540
RW - 12	02/28/08			Not Sampled	Due to PSH i	n Well		
RW - 12	05/28/08			Not Sampled	Due to PSH i	n Well		
RW - 12	09/15/08			Not Sampled	Due to PSH i	n Well		
RW - 12	12/03/08	71.60	29.90	6.310	0.636	1.870	6.	580
								20. C
RW - 13	02/28/08			Not Sampled	Due to PSH i	n Well		
					D DOLL	- 117-11	1	
RW - 13	05/28/08			INot Sampled	Due to PSH 1	n weg	1	
<u>RW - 13</u> RW - 13	05/28/08			Not Sampled	Due to PSH i	n Well		

* Complete Historical Tables are presented on the attached CD.

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TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER - 2008

PLAINS MARKETING, L.P. DARR ANGELL #4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007 All water concentrations are reported in mg/L EPA SW846-8270C, 3510

										_												
Dibensofuran	-	<0.000184	<u>()</u>	<0.000183		1	<0.000183	Press of the	<0.000183	2		<0.000183		0.000285	144 C	<0.000184		and the second with the	0.00451	1987 - 1987 - 1987 - 1987 - 1987 - 1987 - 1987 - 1987 - 1987 - 1987 - 1987 - 1987 - 1987 - 1987 - 1987 - 1987 -	<0.000183	a ana angina ana a
2-Mcfbylagntfbaleac		<0.000184	*	<0.000183			<0.000183	Nrð 6.	<0.000183			<0.000183	200 S.1	<0.000183		<0.000184		and the second	0.00967	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	<0.000183	Ser Min
չ-Metbylaaptthalene		<0.000184	the Burning Br	CO.000183			<0.000183	Sec. Same	<0.000183	T to the second se		<0.000183		<0.000183	as and the	<0.000184			0.0108	 1. C. W	<0.000183	「 ないかい あま
Pyrene		0.000184	c legi , y where	0.000183			<0.000183 <	And the state of the	:0.000183			=0.000183	1. S.	<0.000183	Constant and	<0.000184 <	•	Construction of the local sector	:0.000192	 State State State	<0.000183	 Designation of the second se
9251d32829d¶	·	0.000184 <	is Shidhuf hum	0 000183 <		Complex B	0.000183 <	State and	0.000209	A desired of the second of the		:0.000183	(33.800 B	0.000391		0.000184	-	A STATE OF	0.00597	 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000183 <	S. Sugarting
Sapledidge N	J\2m £0.0	0.000184 <	a	0.000183 <			<0.000183 <	in the constant	c0.000183			<0.000183 <		<0.000183		<0.000184 <		and the second second	0.00205	 「「「「」「「」」「「」」」	<0.000183 <	A Second and a second
эпэтүq(bэ-£,2,1]опэbnI	J\zm \$000.0	<0.000184 <	the second of the second	<0.000183 <		2. 1. Sec. 1. 2.	<0.000183 <	A Strange of the	<0.000183			<0.000183		<0.000183		<0.000184		and the second	<0.000192	\$	<0.000183 <	「愛」がたかい
Fluorene		<0.000184	P & nt.	<0.000183		and the agent of a	<0.000183	a a gunarasan a	<0.000183			<0.000183	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	<0.000183	A STATE AND A STATE	<0.000184		10. 10. E.E.	0.00604	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	<0.000183	a interior and the second
Fluoranthene	_	<0.000184	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	<0.000183		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<0.000183	And the second s	<0.000183		家庭記言語	<0.000183	A SALAS	<0.000183 <	A LOS AND A	<0.000184 <			<0.000192	a the second of the second	<0.000183	- A MANAGAR
Dibenz[a,b]anthraceae	Л\дт £000,0	<0.000184	المستعرف فالأرار	<0.000183		1. N. S. C.	<0.000183	and States and	<0.000183			<0.000183		<0.000183	 Statistics of the	<0.000184		An O HANDERS AND A	<0.000192	And the second second	<0.000183	Second second second
Chrysene		<0.000184		<0.000183			<0.000183		<0.000183			<0.000183	S. Constants	<0.000183	 State State	<0.000184			<0.000192	2 . C. 2 . 2 . 3	<0.000183	Contraction and American
Beazo[k]lluoranthene	J\3m 2000.0	<0.000184		<0.000183	2		<0.000183	A ANA ST	<0.000183			<0.000183		<0.000183		<0.000184		Contraction of the second	<0.000192	Contraction of the	<0.000183	A STATE AND A STATE OF
Benzo[g,ñ,j]perylene	_	<0.000184	2 i rolt prosti s a	<0.000183			<0.000183		<0.000183			<0.000183		<0.000183	A CONTRACTOR OF	<0.000184		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	<0.000192	A LEV WERE	<0.000183	A SAMPLE A
Benzo{b]Iluoranthene	J\gm 2000.0	<0.000184	. 900 M 9	<0.000183	2010		<0.000183	A CARACTER AND A CARA	<0.000183			<0.000183		<0.000183		<0.000184		19 C 19 C 20 C	<0.000192	1947-108 204-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	<0.000183	State State
Benzo[a]pyrene	Л\зт 7000.0	<0.000184		<0.000183		SCHERCE	<0.000183	7 surviges and	<0.000183			<0.000183	Contraction of the	<0.000183	Branding Bridger	<0.000184		Same and	<0.000192	 10 5 5 3 3 m	<0.000183	
Бепго[я]авійтясепе	J\ym 1000.0	<0.000184	A	<0.000183	22 222	和記録言にあ	<0.000183	変の調査の	<0.000183		「「「「「「「」」」」	<0.000183	「「「「「「「」」」	<0.000183		<0.000184		AV. AND A	<0.000192	A. D. Star Mark	<0.000183	
Anthracene	_	<0.000184	α τ'ν, μτ€ταν.	<0.000183			<0.000183		<0.000183		體性的原始	<0.000183	TA DAMAGE	<0.000183	· 建一建一	<0.000184			<0.000192	60. 35 Burge	<0.000183	を学び驚いた
Αςεααρμίμγεας	_	<0.000184		<0.000183	201000-0-	物质的需	<0.000183		<0.000183			<0.000183	States and	<0.000183		<0.000184		R. S.	<0.000192		<0.000183	Sec. 2 Selection
οπο άλη φαι πο ο Α		<0.000184	8972 h	<-0.000183	201200.0-	NUSCON STRATES	<0.000183		<0.000183			<0.000183		<0.000183		<0.000184		ので愛いい際性	<0.000192	What was a line to the	<0.000183	and the second
DATE	ataminant M ng water ions 1- 103.A.	12/03/08	- Change and	12/03/08	00100171		12/03/08	A STATE OF A STATE	12/03/08			12/03/08	A State of the second second	12/03/08		12/03/08		A Margaden III	12/03/08	NUT THE AREA	12/03/08	100000000000
SAMPLE	Maximum Con Levels from Ni WQCC Drinki standards Sect 101.UU and 3-	MW-1A	All Contractions	MW-2	7-11 W		MW-3	「「「「「」」、「」、「」、「」、「」、「」、「」、「」、「」、「」、「」、「」	MW-4		arkusharar i	MW-5		MW-6	A STATE OF A	MW-7	-	2 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MW-8		6-MW	Contraction of the second

Page 1 of 3

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER - 2008

PLAINS MARKETING, L.P. DARR ANGELL #4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

—	1		4	T T		ৰা			3	T	<u>i</u> T	m		<u>i</u> n	ना	.	÷T	юī		र रा	m	-r			- P	Ē	-7	-			
	Dibenzolaran	_	<0.00018			<0.00018			<0.00018			<0.00018			<0.00018	1 100	であるのである	<0.00018	1 10000 C		<0.00018		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	0.00414	1	1. X . W. A.	0.0115	Vertical (M. 4 P.	S. C. C. S. S. S. S. S.		
	2-Methylaaphthalcae		0.000184		eni .	0.000184			0.000183			0.000183			0.000184	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		0.000183	1	- 21	0.000183		tř ⊳q ≥¢	0.0478	1		0.153	Chinage, 2112	いたの		
	l-Methylaaphthaieae	.Л\зт £0.0	00184 <(1 2 4 2 V	00184 <(and the	00183			00183 <(_		00184 <(en al constanting and an		00183 <(ACTURATION SOL	00183 <(200 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		0518	- and - control -	10.00	.166	100 C			
			84 <0.0		2. 2. 2.	84 <0.0	_	調約	83 <0.0			83 <0.0	_	199 (N)	84 <0.0	None	12 24 260	83 <0.0		147. J. 174	83 <0.0	-	ti. Ki	84 0.	illan. Journey.		84	· · · · · · · · · · · · · · · · · · ·		+	_
	Pyrene	-	<0.0001		the second s	<0.000			<0.0001			<0.0001		A BAN CAN DANA	<0.0001	and the second se		<0.0001			<0.0001	1.1	4. 6. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	<0.0001		1	<0.0001	1. J. Starting T.	100 M		
	Phenanthrene	_	0.000184		2 guž	<0.000184			<0.000183		A. C. M.	c0.000183		States Street	0.000184	Contraction of the second second		<0.000183	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		c0.000183	1 11 2 111 4000	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	0.0084		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	0.0227	「南京」の内の	San and the second second		
	Maphthalene	J\gm £0.0	0.000184 <			0.000184 <			0.000183 <		「「「「「「」」」」」	0.000183 <			0.000184 <	100 M 1111 111 111 111		0.000183 <	The second second second	10.000 A	0.000183 <			0.0278	100 (AL, A. 100 (AL) 100 (AL)	84.5 mg	0.0656	X RALESSIEN	C State was over	_	-
	ladeno(bɔ-ɛ̃,2,1)onəbal	J\ym \$000.0	0.000184 <			0.000184 <	-	State of the second second	0.000183 <			0.000183 <		Strates 1	0.000184 <	100 I I I I I I I I I I I I I I I I I I		0.000183 <	1	S. W. MARCH	0.000183 <		100 A 200 10	0.000184	All and a second se		0.000184	2	Sector Sector 1.3		-
	Fluorenc	_	0.000184 <			0.000184 <			0.000183		Second B	0.000183 <		ALL STREET	0.000184 <			0.000183 <		のです。	0.000183 <		(This way a second	> 0.00669 <	1000		0.019 <	1		+	-
510	Fluoranthene		0.000184 <(0.000184 <(0.000183 <(0.000183 <(Sector 1	0.000184 <(0.000183 <(0.000183 <(でのないで	0.000184 (12 02 Dian 10	0.000184	Co. Montesian June 1			-
46-8270C, 3	Dibeaz[d,8]sastarceae	Лут £000.0).000184 <(0.000184 <(and the second second).000183 <(0.000183 <(Same and the second	0.000184 <(1.1	0.000183 <(D.000183 <(1. (A. 14 13) 28	0.000184 <t< td=""><td></td><td>2011日本 1998年</td><td>0.000184 <</td><td>Surge 100 100 Parts and</td><td>後に記入び後</td><td>+</td><td>-</td></t<>		2011日本 1998年	0.000184 <	Surge 100 100 Parts and	後に記入び後	+	-
EPA SW8	Chrysene	Л\зт 2000.0	0.000184 <0			0.000184 <(「「「「「「「」」」	0.000183 <(0.000183 <(State of the second	D.000184 <(0.000183 <(0.000183 <(Charles -	0.000184 <(0.000184 <(all the second	えるもの		
ter concentration	Benzolk]fluoranthene	J\Zm 2000.0	0.000184 <			0.000184 <(_	植作的など	0.000183 <(0.000183 <	_		0.000184 <			0.000183 <			0.000183 <		ALACCINE UNI	0.000184 <		Section 1	0.000184 <			<u>·</u>	•
DA IIV	Benzo[i,ů,g]ozn9E		0.000184 <		- 	0.000184 <		South and a	0.000183		職にも必要に対	0.000183		State Street and Street	0.000184 <	_		0.000183			0.000183 <			0.000184 <			0.000184 <	100 100 100 100 100 100 100 100 100 100		T	•
	Benzo[b]fuorantheac	J\2m 2000.0	0.000184 <		-	0.000184 <			0.000183			0.000183 <		ergen ("Langes 20 este car - Argest 20	0.000184 <			0.000183 <		Sale and the for	0.000183 <			0.000184 <			0.000184 <	P. (250668) /			•
	Βenzo[a]pyrene	J\2m 7000.0	0.000184 <		-	0.000184 <	-	16 8 6 1 1 1 m	0.000183 <			0.000183			0.000184 <			0.000183 <		Manufactory 14	0.000183 <			0.000184 <		Sector Sector	0,000184 <	nos attendo di La com			-
	Benzo[a]anthracene	J\gm 1000.0	0.000184 <		*	0.000184 <			:0.000183 <			:0.000183		金 なるない 小説 小	0.000184 <			<0.000183 <		S. S. M. H. K.	<0.000183 <			:0.000184			0.000184 <	And so the second second		to Sample	-
	эпээкталад		0.000184 <			0.000184 <		and the second second	0.000183		and a state of the second	0.000183 <		「「ないない」	0.000184 <			0.000183 <		an a	0.000183 <		RECTOR	0.000184 <			0.000184 <	11. 10.000		tter Volume	
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TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER - 2008

PLAINS MARKETING, L.P. DARR ANGELL #4 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER AP-007

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		Dibenzofuran			in annula i	0.00133	2.02.000 000 000 000 000 000 000 000 000		Ī	Sec. Section Article	01100	0.00		0.00891			0.00642	ALC: NOT THE OWNER.	0.0193		State of the second second	0.00494	10.00	0.0143	の必須確認の	0.0131	
		əaəladıtdqaalydtəM-S	_ #			0.0144	Marketike H. 1			1 10 - NATA	0110	0c170	马橋 蒙山	0.106			0.0791		0.257			0.0609		0.182	H RZ	0.128	
		J-Methylasniydsalene			100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0160	2000 - 400 - 11 Edda			Contraction Contraction	11.2 Sec. 1	0.1/2	ANN & WILL	0.115	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.0859	ALC: NOT OF ALC: NOT	0.279		國際優加主義	0.066	The second second	0.198	The Party of the P	0.139	
		Pyrene	_		The second second second	<0.000183	- PAUGRADELINE (* 1997)	Arana P. C. Alla		- THE CARLES AND	-0.00010A	+01000'0-	Section 200	<0.000183	Contract of Contract of Contract		<0.000184		<0 000183		Section 1	<0.000184		<0.000183	A WAR ADVANCE	<0.000184	
		Phenantbrene			Sec. 12	0.000841	CALCOLOGIA Toro			A Properties and a comparison of the		7670.0	and makes 1	0.0164	1 COMPAREMENTS		0.0112	A LOUGH CONTRACTOR	0 0346			0.0093	12.000	0.0242	10000	0.0234	
		Sucientian	.Л\ з т £0.0		1	0.0254	2 SECTOR VARIANCE (1970)			「「「「「「」」」」」」」」」」」」」」」」」」」」」」」」」」」」」」」」	0.001	0.0942		0.0496	C. C	North Caller	0.0574		0.121		K. ZZERIA	0.053	 The second s	0.11	Station of the second	0.0608	
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		Fluorene	_			0.00148	 F. (vie) Substantiation (Constraint) 	Contraction of the local division of the loc		S-TRAFTING AND A	01100	6/ 10:0	1. 2. M. 2. 1.	0.0128		State Andreas	10600.0	Carlos and a second	0 0265		Water Barrel Bar	0.0076	 Charles and a second second	0.0193	and the second	0.0187	
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tions are report	EPA 5W	Chrysene	J\2m 2000.0			<0.000183	ander - andre - 15 Ma	Server and		State Barton	1970 C	-0.000104	ANNA COM	<0.000183	11		<0.000184	1	<0.000183		「「「「「「「」」」」」	<0.000184	Part Shink and	<0.000183	12 C 1 2 2	0.00409	
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		SAMPLE	laximum Cor evels from N VQCC Drinki candards Sect 01.UU and 3-	RW-4	1000 - 1000 - 1000	RW-5	1 127 F		RW-6	and the second of the load of		KW-/	State State	RW-8			RW-9	の変要が考慮においい	BW-10			RW-11	States of the second second	RW-12	「「「「」」	RW-13	

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APPENDICES

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APPENDIX A: Release Notification and Corrective Action (Form C-141)

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State of New Mexico **Energy Minerals and Natural Resources**

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

Form C-141 Revised October 10, 2003

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

Release Notification and Corrective Action

			OPERATOR		x Initial Report	Final Report
Name of Compa	ny Plains Pipeline, L	Р	Contact:	Camille Reynol	ds	
Address:	3705 E. Hwy 158, Midland	TX 79706	Telephone No.	505-441-0965		
Facility Name	Darr Angell # 4		Facility Type:	Steel Pipeline		
<u> </u>				т	Lasse Ma	
Surface Owner:	Darr Angell	Mineral Owner			Lease NO.	

				LOCA	ATION OF RE	LEASE		
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
В	11	158	37E					Lea

Latitude 33 degrees 02' 17.4 N Longitude 103 degrees 10' 04.4" W

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release: 150 bbls	Volume Recovered 95 bbls
Source of Release: Steel Pipeline	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Nation Civer?	02/02/2001	02/02/2001 03:13 AM
Was immediate Notice Given?	II YES, TO WHOM?	
	Sylvia Dickey - NMOCD	
By Whom? Wayne Brunette	Date and Hour 02/02/01 05:20	AM
Was a Watercourse Reached?	If YES, Volume Impacting the W	atercourse.
Yes 🛛 No		
If a Watercourse was Impacted, Describe Fully.*	· · · · · · · · · · · · · · · · · · ·	
Describe Cause of Problem and Remedial Action Taken.* Internal corre	osion of the pipeline.	
Describe Area Affected and Cleanup Action Taken.* The impacted soil	was excavated and stockpiled on plas	tic. The aerial extent of surface impact was
approximately 80' x 150'.		•
NOTE: This information was obtained from historical EOTT files.	Plains acquired EOTT/Link on Apri	il 1. 2004 and Plains assumes this
information to be correct.		······································
I hereby certify that the information given above is true and complete to	the best of my knowledge and unders	tand that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release	notifications and perform corrective a	ctions for releases which may endanger
public health or the environment. The acceptance of a C-141 report by t	the NMOCD marked as "Final Report"	does not relieve the operator of liability
should their operations have failed to adequately investigate and remedia	ate 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 respon	nsibility for compliance with any other
federal, state, or local laws and/or regulations.		
	OIL CONSER	VATION DIVISION
Signature:		
	Approved by District Supervisor	
Printed Name: Camille Reynolds	Approved by District Supervisor.	
Title: Remediation Coordinator	Approval Date:	Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval:	Attached

(505)441-0965

Date: 3/21/2005 Phone: * Attach Additional Sheets If Necessary