AP - 17

ANNUAL MONITORING REPORT

YEAR(S): 2008

2008
ANNUAL MONITORING REPORT

TNM 97-17

NE 1/4 SW 1/4 SECTION 21, TOWNSHIP 20 SOUTH RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS MARKETING SRS NUMBER: TNM 97-17
NMOCD REFERENCE AP-017

PREPARED FOR:

PLAINS MARKETING, L.P.
333 CLAY STREET SUITE 1600
HOUSTON, TEXAS 77022

NOVA
safety and environmental

PREPARED BY:

NOVA Safety and Environmental
2057 Commerce Street
Midland, Texas 79703

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Ronald K. Rounsaville
Project Manager

Brittan K. Byerly, P.G.
President

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INTRODUCTION

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 1 of each year. Beginning on May 29, 2004, project management responsibilities were assumed by NOVA. The TNM 97-17 Pipeline Release Site, formally the responsibility of Enron Oil Trading and Transportation (EOTT) is the responsibility of Plains. The Release Notification and Corrective Action (Form C-141) is provided as Appendix A. This report is intended to be viewed as a complete document with figures, attachments, tables and text. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2008 only. For reference, the Site Location Map is provided as Figure 1. Cumulative tables and laboratory data are provided on the enclosed data disk.

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. Monitor wells containing a thickness of PSH greater than 0.01 foot were sampled as per a NMOCD directive.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the site is NE 1/4 SW 1/4 Section 21, Township 20 South, Range 37 East, Lea County, New Mexico. The TNM 97-17 release was discovered by Texas New Mexico Pipe Line Company (TNM) and reported on August 19, 1997. An estimated 170 barrels of crude oil were released with 160 barrels recovered. The release occurred from a 16-inch pipeline and was attributed to structural failure associated with internal pipeline corrosion. The Release Notification and Corrective Action (Form C-141) is provided as Appendix A. Following completion of repairs to the pipeline, approximately 1,160 cubic yards of impacted soil was excavated and stockpiled on-site pending treatment. The groundwater at this site ranges from approximately 17 to 21 feet below ground surface (bgs).

Twenty-eight groundwater monitor wells (MW-1 through MW-28) and six PSH recovery wells (RW-1 through RW-6) are currently on-site. A pneumatic product recovery system operated on-site, incorporating recovery well RW-6 and monitor wells MW-8, MW-14 and MW-15. The automated recovery system was decommissioned in the summer of 2007, due to declining PSH thickness, which cannot be efficiently recovered utilizing the automated recovery system. Currently, manual PSH recovery is performed on a weekly basis for monitor and recovery wells exhibiting PSH.

FIELD ACTIVITIES

Product Recovery Efforts

A measurable thickness of PSH was recorded on thirteen monitor wells or recovery wells during the reporting period. The average thickness of PSH in monitor wells and recovery wells

exhibiting PSH was 0.33 feet. The maximum thickness of PSH in monitor wells and recovery wells during the 2008 reporting period was 1.97 feet in monitor well MW-14 on September 17, 2008. In comparison, the maximum PSH thickness reported during the 2007 reporting period was 2.11 feet. Groundwater elevation data for the 2008 gauging events can be found in Table 1. Approximately 300 gallons (7.1 barrels) of PSH were recovered from the site during the reporting period. Approximately 1,990 gallons (approximately 47.4 barrels) of PSH has been recovered since project inception.

Groundwater Monitoring

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 by correspondence dated June 22, 2005.

NMOCD APPROVED SAMPLING SCHEDULE					
Location	**Schedule**	**Location**	**Schedule**	**Location**	**Schedule**
MW-1	Annually	MW-13	Annually	MW-25	Semi-Annually
MW-2	Annually	MW-14	Quarterly	MW-26	Quarterly
MW-3	Annually	MW-15	Quarterly	MW-27	Semi-Annually
MW-4	Quarterly	MW-16	Annually	MW-28	Annually
MW-5	Quarterly	MW-17	Annually	RW-1	Quarterly
MW-6	Quarterly	MW-18	Annually	RW-2	Quarterly
MW-7	Quarterly	MW-19	Quarterly	RW-3	Quarterly
MW-8	Quarterly	MW-20	Quarterly	RW-4	Quarterly
MW-9	Quarterly	MW-21	Quarterly	RW-5	Quarterly
MW-10	Quarterly	MW-22	Semi-Annually	RW-6	Quarterly
MW-11	Annually	MW-23	Semi-Annually		
MW-12	Annually	MW-24	Annually		

The site monitor wells were gauged and sampled on February 12, May 13, August 14, and November 12, 2008. During each sampling event, the monitor wells were purged of a minimum of three well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos pump. 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 the four quarterly monitoring events, are depicted on Figures 2A through 2D, the Inferred Groundwater Gradient Maps. 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 Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.003 feet/foot to the southeast as measured between monitor well MW-7 and MW-19. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3,485.26 to 3,490.34 feet above mean sea level, in monitor well MW-1 on February 12, 2008 and on May 13, 2008, respectively.

LABORATORY RESULTS

Monitor wells MW-4, MW-7 and MW-8, MW-14 and MW-19 and recovery wells RW-1, RW-5 and RW-6 contained measurable PSH throughout the 2008 reporting period. Recovery wells RW-2 and RW-3 and monitor wells MW-5, MW-6 and MW-15 contained measurable PSH during at least one or more quarters of the reporting period and were not sampled.

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 summarized in Table 3. Copies of the laboratory reports generated 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 and 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. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last thirty-five consecutive quarters. 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 benzene, toluene, ethylbenzene and xylene concentrations were below the MDL and NMOCD regulatory standards during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last thirty-five 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 an annual schedule and analytical results indicate benzene, toluene, ethylbenzene and xylene concentrations were below the MDL and NMOCD regulatory standards, during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last thirty-five consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-4 is monitored on a quarterly schedule. Monitor well MW-4 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.43 feet, 0.15 feet and 0.51 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 0.806 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting

period with a concentration of 0.515 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.4430 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.492 mg/L. Analytical results indicated a total TPH result of 88.80 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for 1-methylnaphthalene (0.015 mg/L) and 2-methylnaphthalene (0.0131 mg/L). Additional PAH constituents detected above MDLs include naphthalene (0.00682 mg/L), fluorene (0.00238 mg/L), phenanthrene (0.00337 mg/L) and dibenzofuran (0.00239 mg/L), which are below WQCC standards.

Monitor well MW-5 is sampled on a quarterly schedule. Monitor well MW-5 was not sampled during the 3rd quarter of the reporting period, due to the presence of 0.01 feet of PSH. Analytical results on groundwater samples collected during the 1st, 2nd and 4th quarters indicate benzene concentrations ranged from 0.0074 mg/L during the 4th quarter to 0.0210 mg/L during the 1st quarter of 2008. Benzene concentrations were above the NMOCD regulatory standard during the 1st and 2nd quarters of the reporting period. Toluene concentrations ranged from <0.001 mg/L during the 2nd and 4th quarters to 0.0012 mg/L during the 1st quarter of 2008. Toluene concentrations were below NMOCD regulatory standards during the 1st, 2nd and 4th quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 2nd and 4th quarters to 0.0077 mg/L during the 1st quarter of 2008. Ethylbenzene concentrations were below NMOCD regulatory standards during 1st, 2nd and 4th quarters of the reporting period. Xylene concentrations ranged from 0.0012 mg/L during the 2nd quarter to 0.0082 mg/L during the 1st quarter of 2008. Xylene concentrations were below NMOCD regulatory standards during 1st, 2nd and 4th quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for 1-methylnaphthalene (0.00183 mg/L), dibenzofuran (0.0023 mg/L), fluorine (0.00233 mg/L), and phenanthrene (0.00189 mg/L), which are below WQCC standards.

Monitor well MW-6 is monitored on a quarterly schedule. Monitor well MW-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. PSH thicknesses of 0.04 feet, 0.15 feet and 0.23 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 0.0991 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.223 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.0810 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.1910 mg/L. Analytical results indicated a total TPH result of 20.74 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00782 mg/L), 1-methylnaphthalene (0.0115 mg/L), 2-methylnaphthalene (0.00712 mg/L), anthracene (0.00361 mg/L) and phenanthrene (0.00357 mg/L), which are below WQCC standards.

Monitor well MW-7 is monitored on a quarterly schedule. Monitor well MW-7 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 0.34 feet, 0.33 feet and 0.44 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 0.0991 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.223 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.0810 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.1910 mg/L. Analytical results indicated a total TPH result of 28.01 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for 1-methylnaphthalene (0.0285 mg/L) and 2-methylnaphthalene (0.0175 mg/L). Additional PAH constituents detected above MDLs include naphthalene (0.0106 mg/L), fluorene (0.00539 mg/L), phenanthrene (0.00582 mg/L) and anthracene (0.0059 mg/L), which are below WQCC standards.

Monitor well MW-8 is monitored on a quarterly schedule. Monitor well MW-8 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 0.39 feet, 0.31 feet and 0.48 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 0.238 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.154 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.147 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.159 mg/L. Analytical results indicated a total TPH result of 55.10 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for 1-methylnaphthalene (0.0261 mg/L) and 2-methylnaphthalene (0.0168 mg/L). Additional PAH constituents detected above MDLs include naphthalene (0.0120 mg/L), phenanthrene (0.0045 mg/L) and anthracene (0.00454 mg/L), which are below WQCC standards.

Monitor well MW-9 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0137 mg/L during the 3rd quarter to 0.0162 mg/L during the 1st quarter of 2008. Benzene concentrations were above the NMOCD regulatory standard during the all four quarters of the reporting period. Toluene, ethylbenzene and xylene concentrations were below the MDL and the NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for 1-methylnaphthalene (0.000746 mg/L) and dibenzofuran (0.000341 mg/L), which are below WQCC standards.

Monitor well MW-10 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0111 mg/L during the 4th quarter to 0.0291 mg/L during the 3rd quarter of 2008. Benzene concentrations were above the NMOCD regulatory standard during the all four quarters of the reporting period. Toluene concentrations were below MDL and NMOCD regulatory standards during all four quarters of 2008. Ethylbenzene concentrations ranged from <0.001 mg/L during the 3rd and 4th quarters to 0.0136 mg/L during the 1st quarter of 2007. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of 2008. Xylene concentrations were below MDL and NMOCD regulatory standards

during all four quarters of 2008. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for 1-methylnaphthalene (0.00477 mg/L), fluorine (0.00344 mg/L), and phenanthrene (0.00296 mg/L), which are below WQCC standards.

Monitor well MW-11 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last twenty-four 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 inadvertently sampled during the 2nd and 4th quarters of 2008. Analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards during the 2nd and 4th quarter sampling events. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last twenty-five 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 the MDL and NMOCD regulatory standards during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last twenty-five consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-14 is monitored on a quarterly schedule. Monitor well MW-14 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 0.67 feet, 0.51 feet and 0.73 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 0.318 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.136 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.388 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.262 mg/L. Analytical results indicated a total TPH result of 445.50 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0377 mg/L), 1-methylnaphthalene (0.147 mg/L) and 2-methylnaphthalene (0.137 mg/L). Additional PAH constituents detected above MDLs include fluorine (0.0233 mg/L), phenanthrene (0.0402 mg/L) and dibenzofuran (0.0289 mg/L), which are below WQCC standards.

Monitor well MW-15 is monitored on a quarterly schedule. Monitor well MW-15 was not sampled during the 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 0.15 feet and 0.29 feet were reported during the 2nd and 3rd quarters of 2008, respectively. Analytical results on groundwater samples collected during the 1st quarter indicate benzene concentrations were above the NMOCD regulatory standard during the 1st quarter of the reporting period with a concentration of 0.161 mg/L. Toluene concentrations were below the MDL and NMOCD regulatory standards during the 1st quarter of the reporting period. Ethylbenzene concentrations were below NMOCD regulatory standards during the 1st quarter of the reporting period with a concentration of 0.2410 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 1st quarter of the reporting period with a concentration of 0.0531 mg/L. PAH analysis was not conducted during the 4th quarter of the reporting period due to insufficient water volume in the well.

Monitor well MW-16 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last twenty-five consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-17 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last twenty-five consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-18 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last twenty-five consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-19 is monitored on a quarterly schedule. Monitor well MW-19 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 0.23 feet, 0.09 feet, 0.15 feet and 0.05 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2008, respectively.

Monitor well MW-20 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.2010 mg/L during the 1st quarter to 0.5350 mg/L during the 3rd quarter of 2008. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of 2008. Ethylbenzene concentrations ranged from <0.005 mg/L during the 3rd quarter to 0.0251 mg/L during the 2nd quarter of 2008. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations were below the MDL and NMOCD

regulatory standard during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for 1-methylnaphthalene (0.00351 mg/L), fluorine (0.000615 mg/L), phenanthrene (0.000318 mg/L) and dibenzofuran (0.000958 mg/L), which are below WQCC standards.

Monitor well MW-21 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0017 mg/L during the 1st quarter to 0.0054 mg/L during the 4th quarter of 2008. Benzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of 2008. Ethylbenzene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.0040 mg/L during the 3rd quarter of 2008. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 2nd quarter to 0.0073 mg/L during the 4th quarter of 2008. Xylene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for fluorine (0.000414 mg/L), phenanthrene (0.000203 mg/L). and dibenzofuran (0.00108 mg/L), which are below WQCC standards.

Monitor well MW-22 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards during the 2nd and 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last twenty-five consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-23 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards during the 2nd and 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-24 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last twenty-five consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-25 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards during the 2nd and 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last twenty-five consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-26 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0047 mg/L during the 1st quarter to 0.0071 mg/L during the 4th quarter of 2008. Benzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of 2008. Ethylbenzene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.0067 mg/L during the 1st quarter of 2008. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from <0.0001 mg/L during the 2nd quarter to 0.0082 mg/L during the 1st quarter of 2008. Xylene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for 1-methylnaphthalene (0.000204 mg/L), fluorine (0.000312 mg/L), phenanthrene (0.000308 mg/L). and dibenzofuran (0.000471 mg/L), which are below WQCC standards.

Monitor well MW-27 is sampled on a semi-annual schedule. Analytical results indicate benzene concentrations were below the NMOCD regulatory standards with a concentration of 0.0011 mg/L on groundwater samples collected during the 2nd and 4th quarters. Analytical results indicate toluene, ethylbenzene and xylene concentrations were below the MDL and NMOCD regulatory standards during the 2nd and 4th quarter sampling events. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last twenty-five consecutive quarters. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-28 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last twenty-five 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 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 0.20 feet, 0.11 feet and 0.13 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 0.2180 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.117 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.0721 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.0853 mg/L. Analytical results indicated a total TPH result of 73.50 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for 1-methylnaphthalene (0.0941 mg/L). Additional PAH constituents detected above MDLs include phenanthrene (0.023 mg/L), which are below WQCC standards.

Recovery well RW-2 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0521 mg/L during the 4th quarter to 0.0590 mg/L during the 2nd quarter of 2008. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of 2008. Ethylbenzene concentrations ranged from 0.0161 mg/L during the 2nd quarter to 0.0280 mg/L during the 1st quarter of 2008. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from <0.010 mg/L during the 4th quarter to 0.0253 mg/L during the 1st quarter of 2008. Xylene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for 1-methylnaphthalene (0.00552 mg/L), fluorine (0.00424 mg/L), phenanthrene (0.00488 mg/L) and dibenzofuran (0.00476 mg/L), which are below WQCC standards.

Recovery well RW-3 is monitored / sampled on a quarterly schedule. Recovery well RW-3 was not sampled during the 3rd quarter of the reporting period, due to the presence of 0.01 feet of PSH in the monitor well. Recovery well RW-3 was sampled during the 1st, 2nd and 4th quarters of the reporting period. Analytical results indicate benzene concentrations ranged from 0.1990 mg/L during the 2nd quarter to 0.4590 mg/L during the 1st quarter of 2008. Benzene concentrations were above the NMOCD regulatory standard during the 1st, 2nd and 4th quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during the 1st, 2nd and 4th quarters of 2008. Ethylbenzene concentrations ranged from 0.0209 mg/L during the 2nd quarter to 0.0413 mg/L during the 4th quarter of 2008. Ethylbenzene concentrations were below the NMOCD regulatory standard during 1st, 2nd and 4th quarters of the reporting period. Xylene concentrations ranged from 0.0129 mg/L during the 2nd quarter to 0.0471 mg/L during the 1st quarter of 2008. Xylene concentrations were below the NMOCD regulatory standard during the 1st, 2nd and 4th quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.000993 mg/L), 1-methylnaphthalene (0.00787 mg/L), fluorene (0.00212 mg/L), anthracene (0.000931 mg/L), phenanthrene (0.000922 mg/L) and dibenzofuran (0.0021 mg/L), which are below WQCC standards.

Recovery well RW-4 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.3360 mg/L during the 2nd quarter to 0.4720 mg/L during the 1st quarter of 2008. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of 2008. Ethylbenzene concentrations ranged from 0.0549 mg/L during the 2nd quarter to 0.1090 mg/L during the 1st quarter of 2008. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from 0.0391 mg/L during the 2nd quarter to 0.0866 mg/L during the 1st quarter of 2008. Xylene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00766 mg/L), 1-methylnaphthalene (0.0201 mg/L), 2-methylnaphthalene (0.00836 mg/L), fluorene (0.00391 mg/L), phenanthrene (0.00442 mg/L) and dibenzofuran (0.00372 mg/L), which are below WQCC standards.

Recovery well RW-5 is monitored on a quarterly schedule. Recovery well RW-5 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 0.27 feet, 0.31 feet and 0.35 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 0.1320 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.148 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.1230 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.1640 mg/L. Analytical results indicated a total TPH result of 16.91 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for 1-methylnaphthalene (0.0266 mg/L) and 2-methylnaphthalene (0.0192 mg/L). Additional PAH constituents detected above MDLs include naphthalene (0.0172 mg/L), anthracene (0.00472 mg/L), and phenanthrene (0.00466 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. PSH thicknesses of 0.26 feet, 0.33 feet and 0.23 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 0.1060 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.133 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.1270 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.1370 mg/L. Analytical results indicated a total TPH result of 18.04 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for 1-methylnaphthalene (0.0381 mg/L) and 2-methylnaphthalene (0.0245 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0106 mg/L), dibenzofuran (0.00901 mg/L), and phenanthrene (0.011 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

This report presents the results of monitoring activities for the 2008 annual monitoring period. Currently, there are twenty-eight groundwater monitor wells (MW-1 through MW-28) and six product recovery wells (RW-1 through RW-6) on-site. A pneumatic product recovery system operated on-site, incorporating recovery well RW-6 and monitor wells MW-8, MW-14 and MW-15. The automated recovery system was decommissioned in the summer of 2007, due to declining PSH thickness, which cannot be efficiently recovered utilizing the automated recovery system. Currently, manual PSH recovery is performed on a weekly basis for monitor and

recovery wells exhibiting PSH. Approximately 300 gallons (7.1 barrels) of PSH were recovered from the site during the reporting period. Approximately 1,990 gallons (approximately 47.4 barrels) of PSH has been recovered since project inception.

During the reporting period, eight monitor wells (MW-4 through MW-8, MW-14, MW-15, MW-19) and four recovery wells (RW-1, RW-3, RW-5 and RW-6) contained measurable PSH during at least one or more quarters of the 2008 reporting period.

The average thickness of PSH in monitor wells and recovery wells exhibiting PSH was 0.33 feet. The maximum thickness of PSH in monitor wells and recovery wells during the 2008 reporting period was 1.97 feet in monitor well MW-14 on September 17, 2008. In comparison, the maximum PSH thickness reported during the 2007 reporting period was 2.11 feet.

Groundwater elevation contours generated from water level measurements acquired indicated a general gradient of approximately 0.003 feet/foot to the southeast.

Review of laboratory analytical results of the groundwater samples obtained during the 2008 monitoring period indicates the BTEX constituent concentrations are below applicable NMOCD standards in seventeen of the twenty-eight monitor wells currently on-site. Dissolved phase and phase separated hydrocarbon impact appears to be limited to monitor wells MW-5, MW-9, MW-10 and MW-20 and recovery wells RW-2, RW-3 and RW-4. Groundwater samples from monitor wells MW-4, MW-6 through MW-8 and MW-14 and recovery wells RW-1, RW-5 and RW-6 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

Quarterly gauging and sampling will continue in 2009. Manual product recovery will continue weekly and will be adjusted according to site conditions. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2010.

Soil remediation activities are scheduled to commence during the 2nd or 3rd quarter of 2009. A Soil Closure Request will be submitted to the NMOCD following the completion of these activities.

LIMITATIONS

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.

DISTRIBUTION

Copy 1 Ed Hansen
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

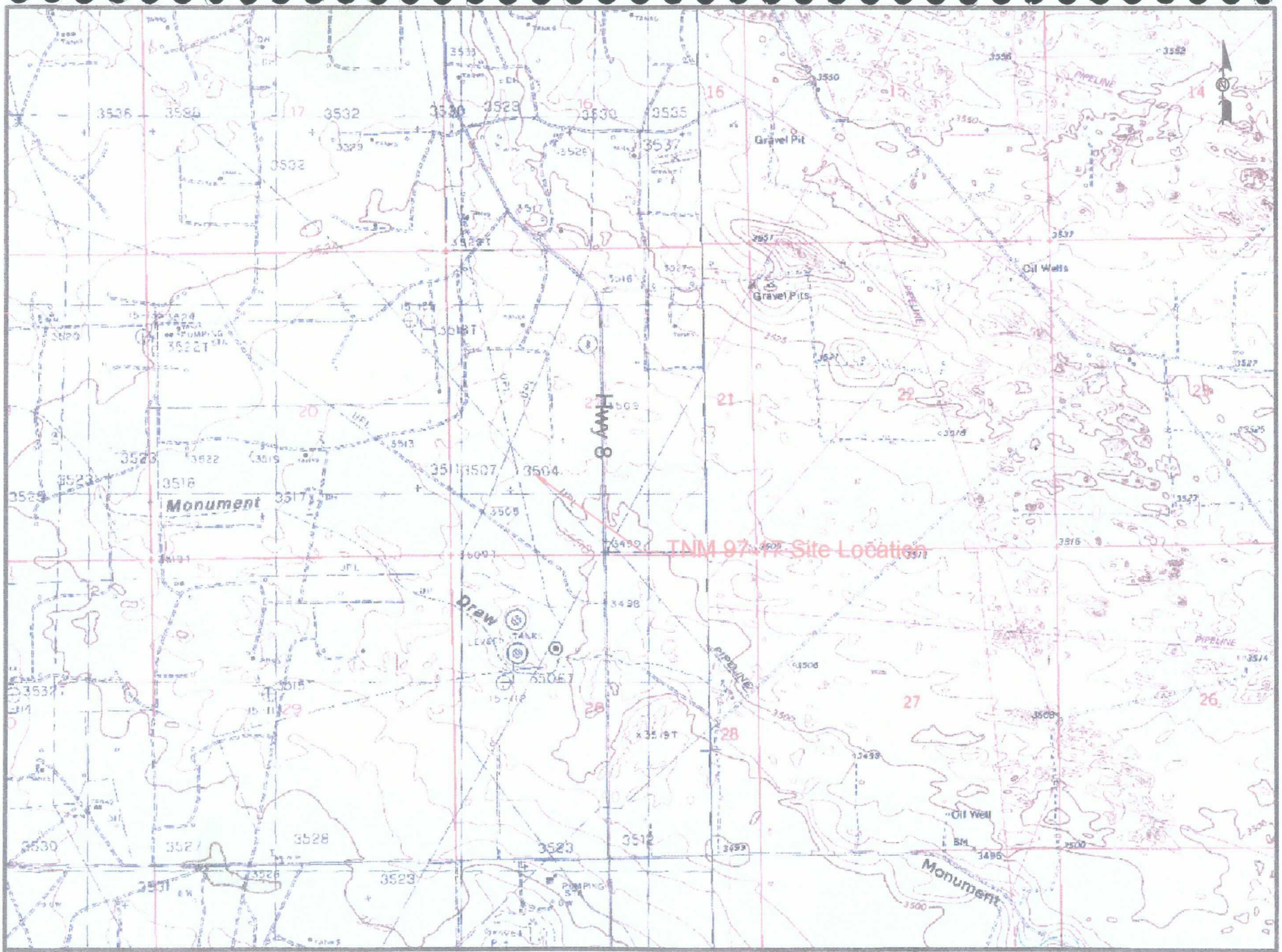
Copy 2: Larry Johnson
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1625 French Drive
Hobbs, NM 88240

Copy 3: Jason Henry
Plains Marketing, L.P.
2530 State Highway 214
Denver City, TX 79323
jhenry@paalp.com

Copy 4: Jeff Dann
Plains Marketing, L.P.
333 Clay Street
Suite 1600
Houston, TX 77002
jpdann@paalp.com

Copy 5: NOVA Safety and Environmental
2057 Commerce Street
Midland, TX 79703
rrounsaville@novatraining.cc

FIGURES



Lat. N32° 33' 24"N Long. W103° 15' 37.3'W

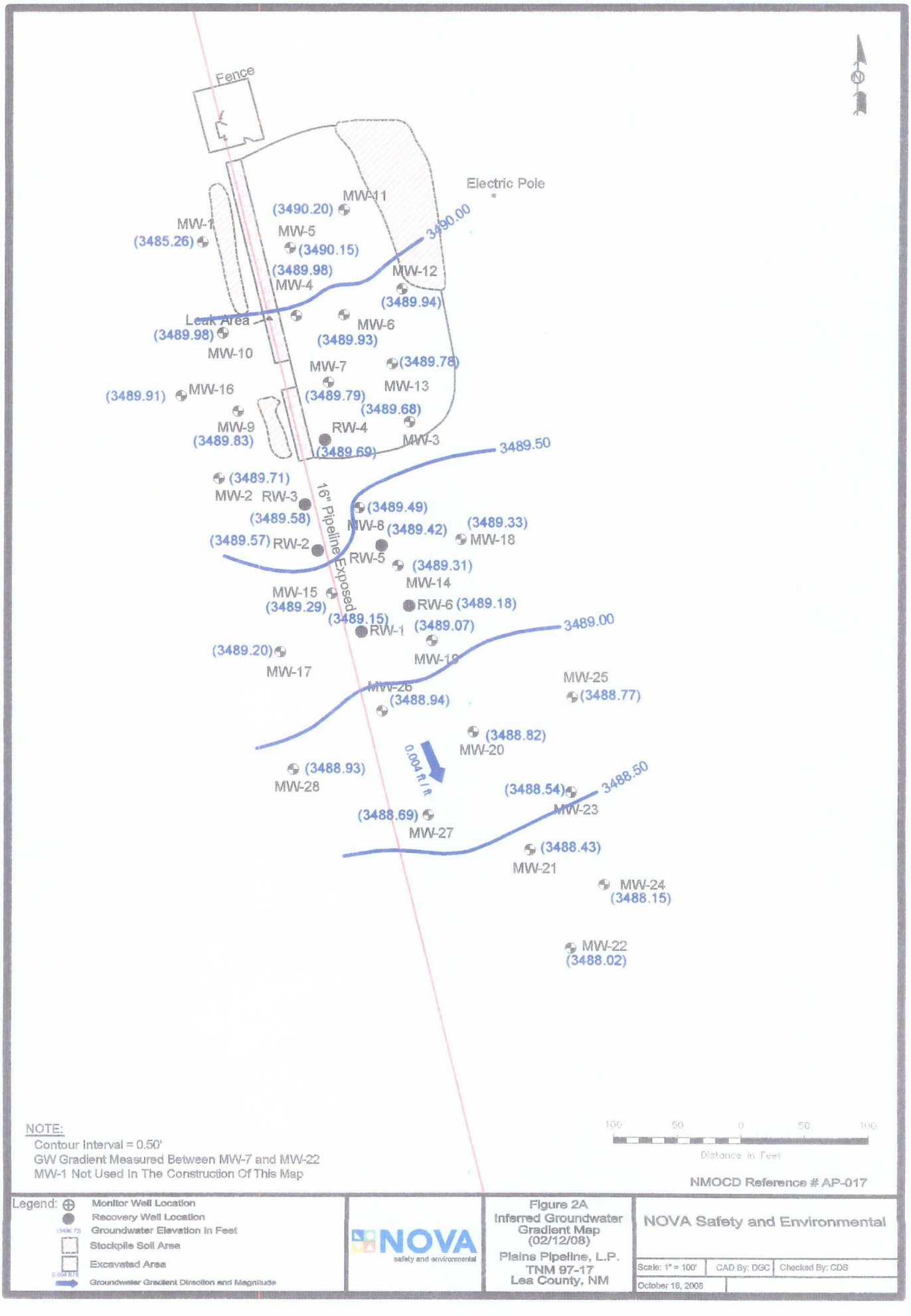
NMOCD Reference Number AP-017

Figure 1
Site Location Map

Plains Marketing, L.P.
TNM 97-17
Lea County, NM

NOVA Safety and Environmental

NOVA safety and environmental	Scale: NTS	Drawn By: CDS	Prepared By: TKC
	February 10, 2005	NE1/4 SW1/4 Sec 21 T20S R37E	



NOTE:
Contour Interval = 0.50'
GW Gradient Measured Between MW-7 and MW-22
MW-1 Not Used In The Construction Of This Map

NMOCD Reference # AP-017

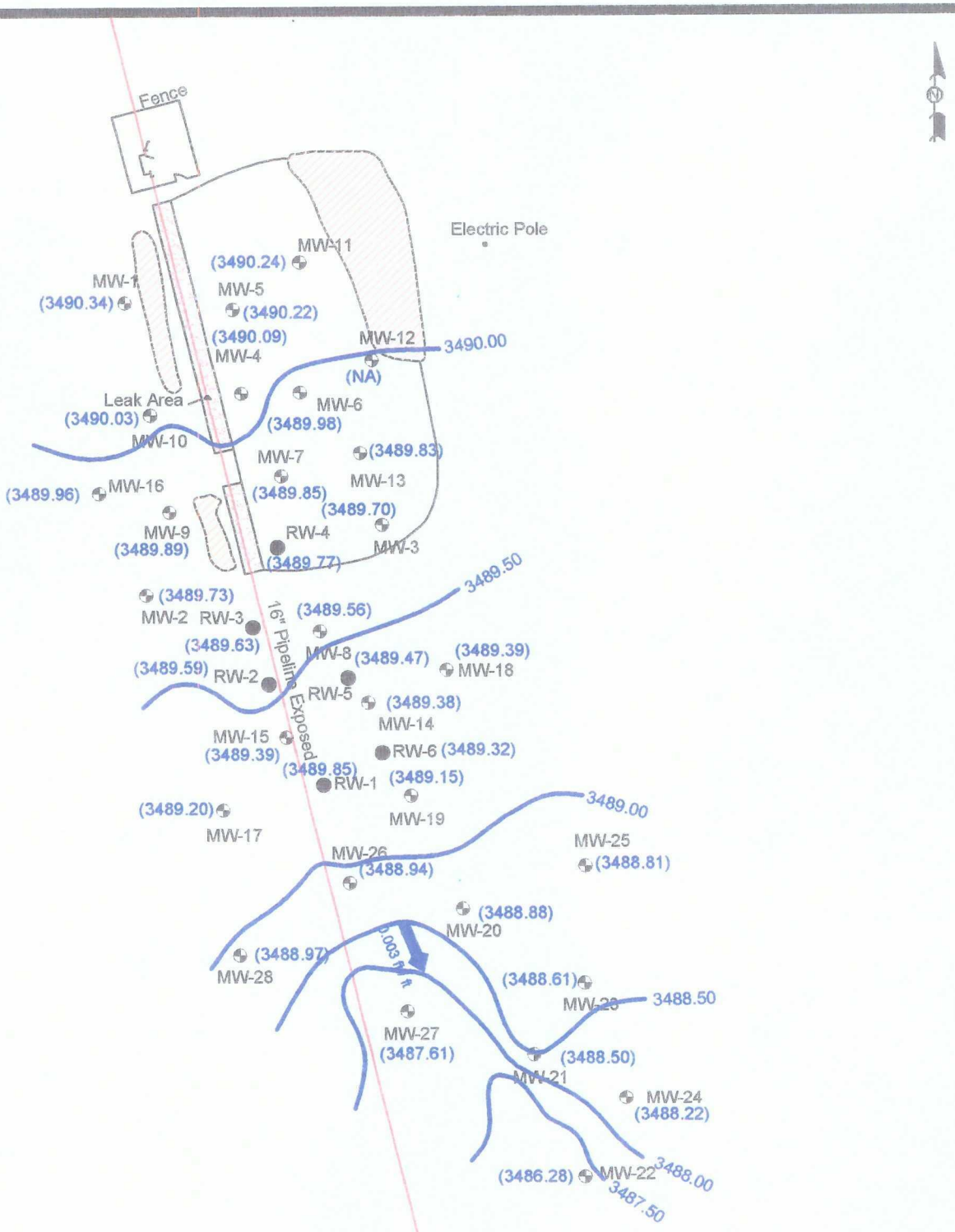
Legend:
- Monitor Well Location
- Recovery Well Location
- (3486.73) Groundwater Elevation in Feet
- Stockpile Soil Area
- Excavated Area
- 0.004 ft/ft Groundwater Gradient Direction and Magnitude

NOVA safety and environmental

Figure 2A
Inferred Groundwater Gradient Map
(02/12/08)
Plains Pipeline, L.P.
TNM 97-17
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 100'	CAD By: DGC	Checked By: CDS
October 16, 2008		



NOTE:
Contour Interval = 0.50'
GW Gradient Measured Between MW-7 and MW-19

100 50 0 50 100
Distance in Feet

NMOCD Reference # AP-017

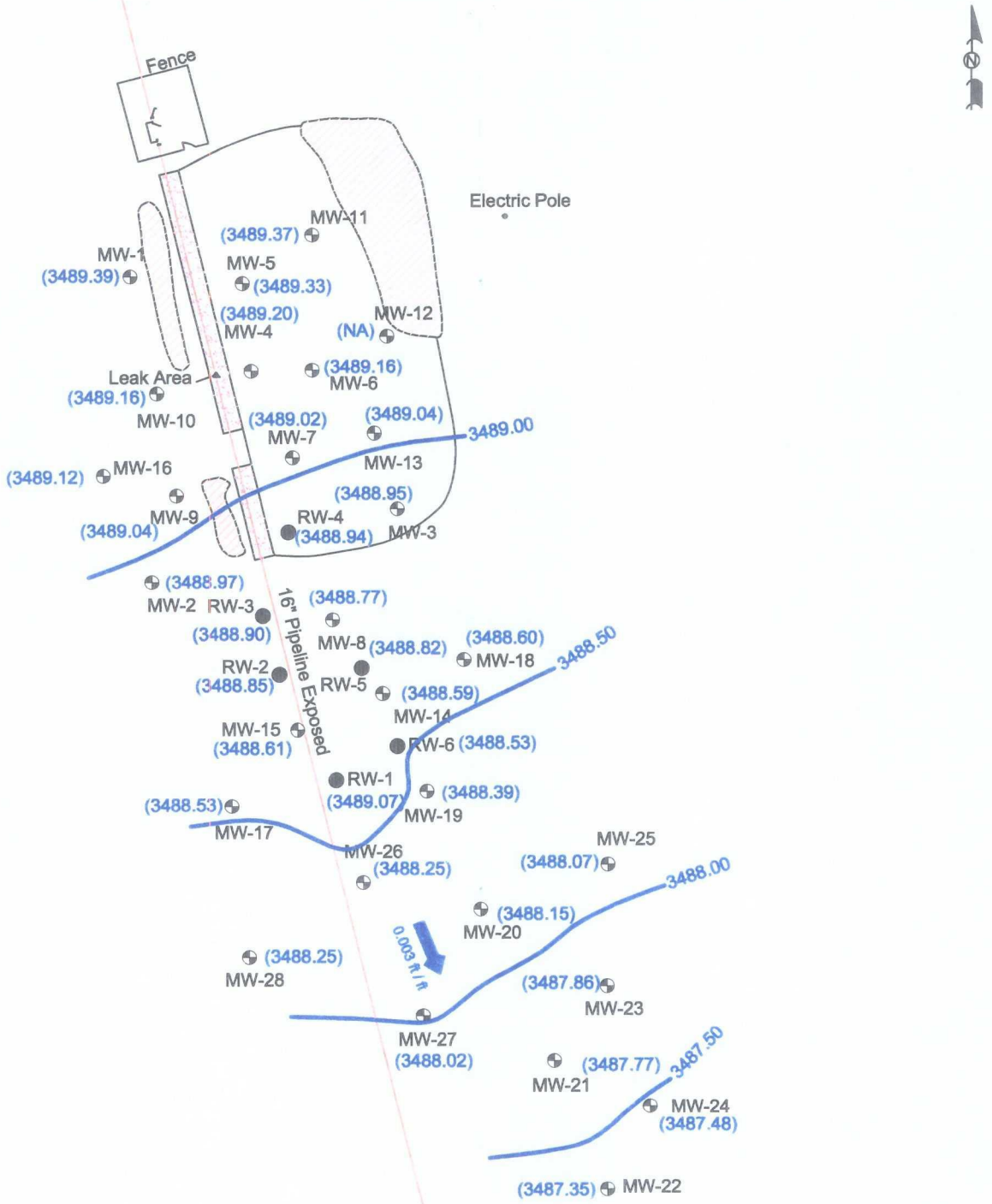
Legend:
- Monitor Well Location
- Recovery Well Location
- (3486.73) Groundwater Elevation in Feet
- Stockpile Soil Area
- Excavated Area
- 0.003 ft/ft Groundwater Gradient Direction and Magnitude

NOVA safety and environmental

Figure 2B
Inferred Groundwater Gradient Map
(05/13/08)
Plains Pipeline, L.P.
TNM 97-17
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 100' | CAD By: DGC | Checked By: CDS
October 16, 2008



NOTE:
Contour Interval = 0.50'
GW Gradient Measured Between MW-7 and MW-19

100 50 0 50 100
Distance in Feet

NMOCD Reference # AP-017

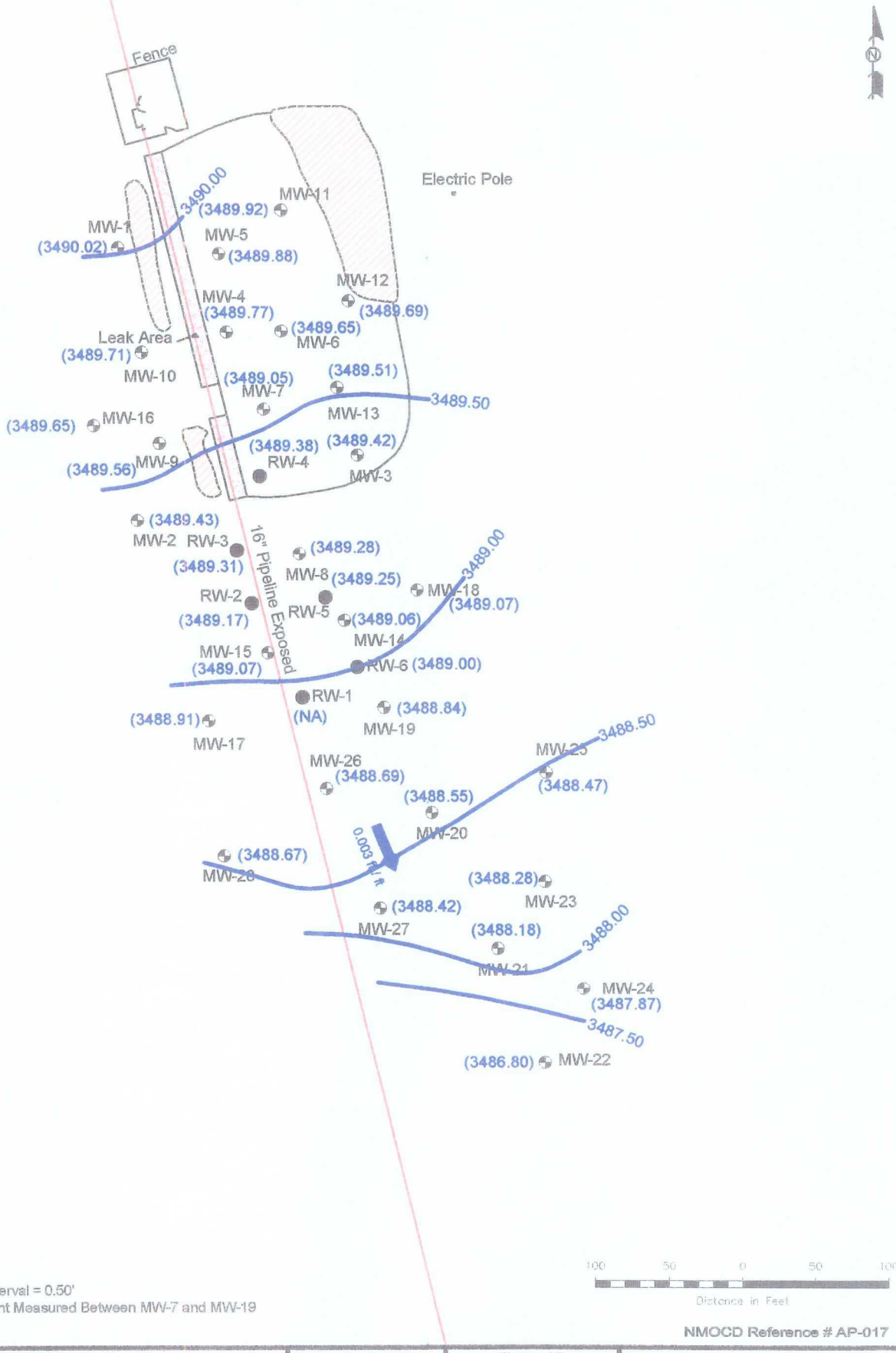
Legend:
- Monitor Well Location
- Recovery Well Location
- (3488.72) Groundwater Elevation in Feet
- Stockpile Soil Area
- Excavated Area
- (0.004 ft / ft) Groundwater Gradient Direction and Magnitude

NOVA safety and environmental

Figure 2C
Inferred Groundwater Gradient Map
(08/14/08)
Plains Pipeline, L.P.
TNM 97-17
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 100'	CAD By: DGC	Checked By: CDS
October 16, 2008		



NOTE:
Contour Interval = 0.50'
GW Gradient Measured Between MW-7 and MW-19

100 50 0 50 100
Distance in Feet

NMOCD Reference # AP-017

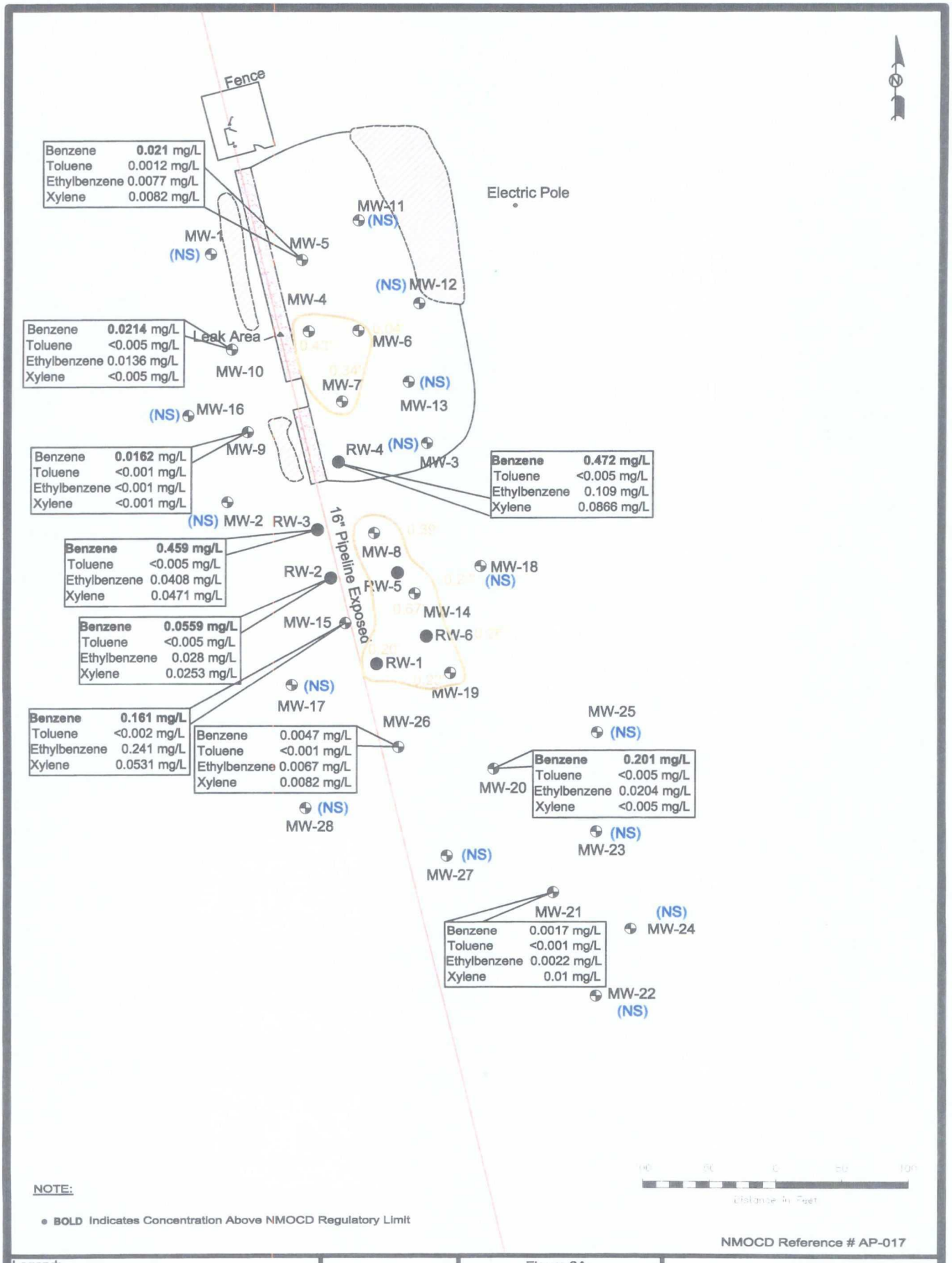
Legend:
- Monitor Well Location
- Recovery Well Location
- (3486.72) Groundwater Elevation in Feet
- Stockpile Soil Area
- Excavated Area
- 0.004 ft/ft Groundwater Gradient Direction and Magnitude

NOVA safety and environmental

Figure 2D
Inferred Groundwater Gradient Map (11/12/08)
Plains Pipeline, L.P.
TNM 97-17
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 100'	CAD By: DGC	Checked By: RKR
December 05, 2008		



NOTE:

- **BOLD** Indicates Concentration Above NMOCD Regulatory Limit

NMOCD Reference # AP-017

Legend:

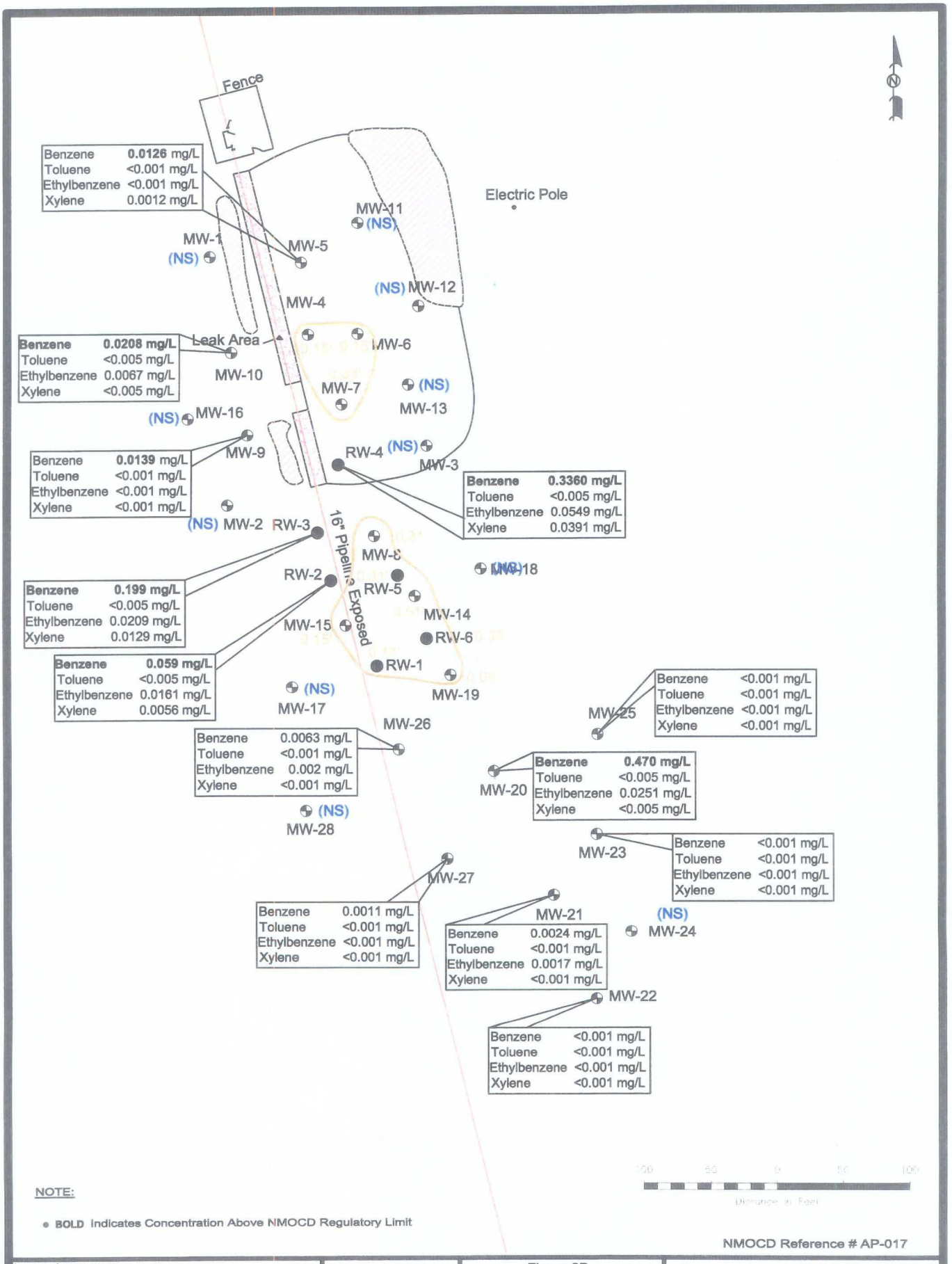
- Monitor Well Location
- Recovery Well Location
- Pipeline
- Inferred PSH Extent
- Thickness of PSH (feet)
- <0.001 Constituent Concentration (mg/L)
- Stockpile Soil Area
- Excavated Area
- (NS) Not Sampled

NOVA safety and environmental

Figure 3A
Groundwater Concentration and Inferred PSH Extent Map (02/12/08)
Plains Pipeline, L.P.
TNM 97-17
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 100'	CAD By: DGC	Checked By: RKR
October 16, 2008		



NOTE:

- **BOLD** Indicates Concentration Above NMOCD Regulatory Limit

NMOCD Reference # AP-017

Legend:

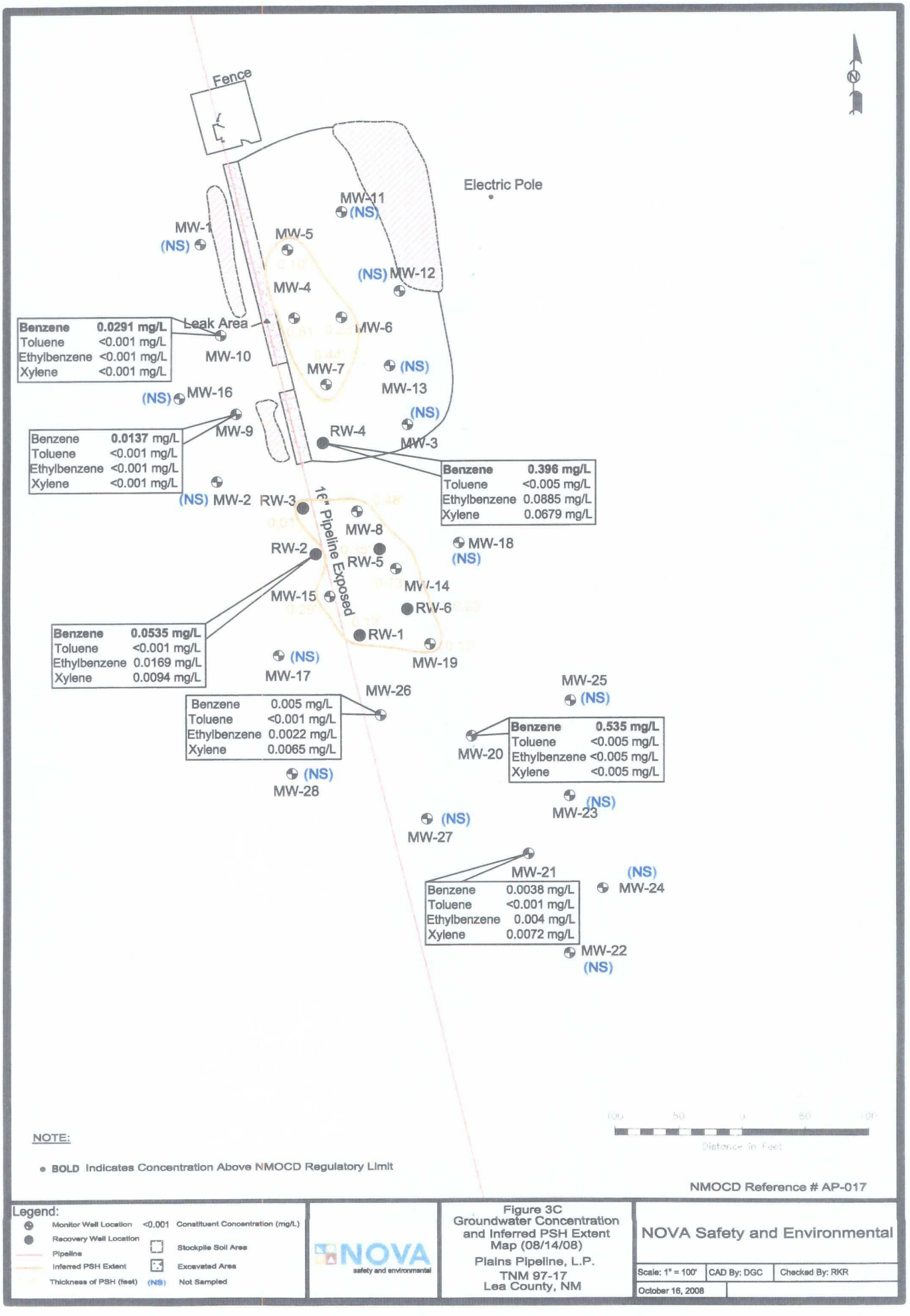
- Monitor Well Location
- Recovery Well Location
- Pipeline
- Inferred PSH Extent
- Thickness of PSH (feet)
- <0.001 Constituent Concentration (mg/L)
- Stockpile Soil Area
- Excavated Area
- (NS) Not Sampled

NOVA safety and environmental

Figure 3B
Groundwater Concentration and Inferred PSH Extent Map (05/13/08)
Plains Pipeline, L.P.
TNM 97-17
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 100'	CAD By: DGC	Checked By: RKR
October 16, 2008		



NOTE:

- **BOLD** Indicates Concentration Above NMOCD Regulatory Limit

NMOCD Reference # AP-017

Legend:

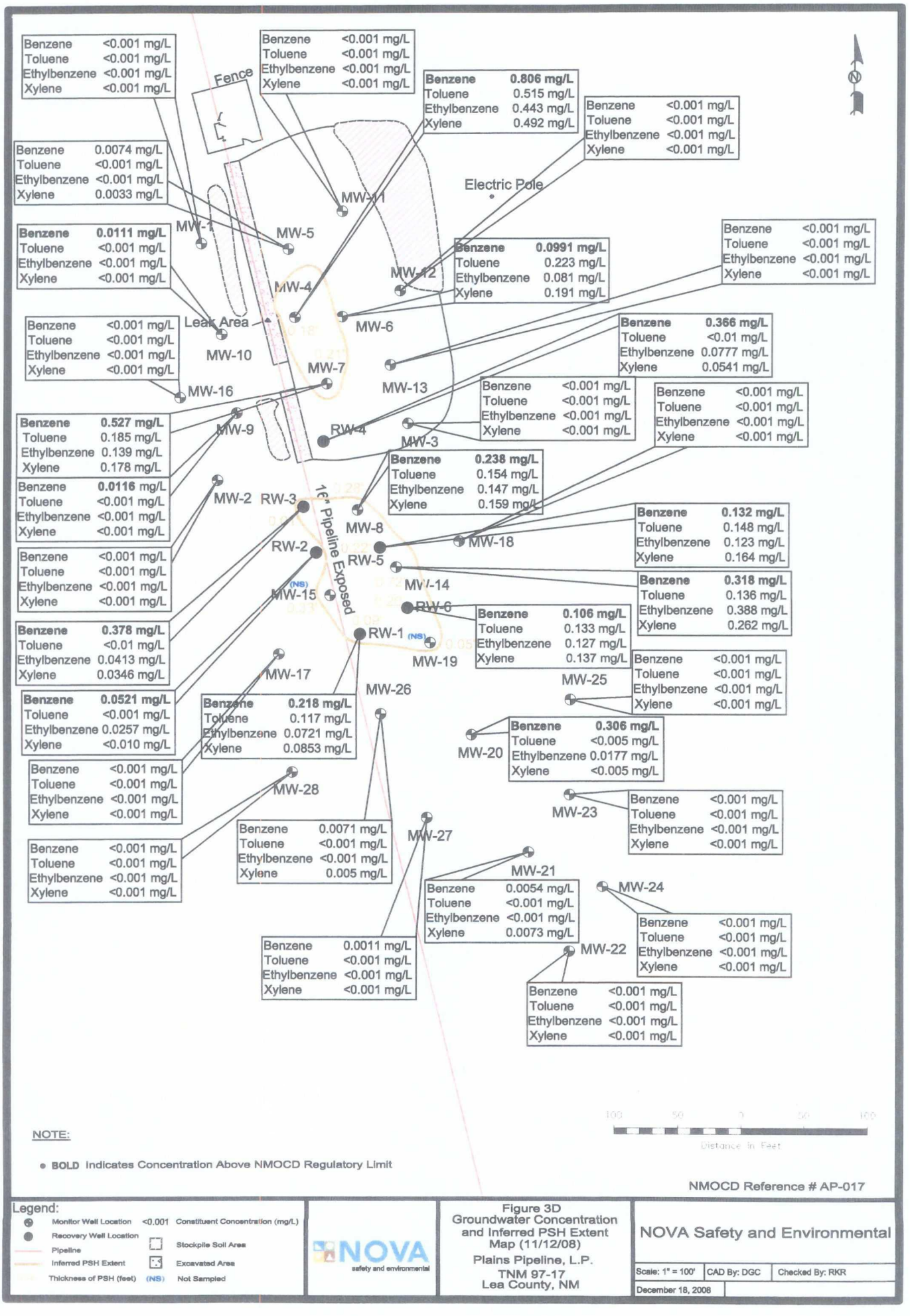
- Monitor Well Location
- Recovery Well Location
- Pipeline
- Inferred PSH Extent
- Thickness of PSH (feet)
- <0.001 Constituent Concentration (mg/L)
- Stockpile Soil Area
- Excavated Area
- (NS) Not Sampled

NOVA safety and environmental

Figure 3C
Groundwater Concentration and Inferred PSH Extent Map (08/14/08)
Plains Pipeline, L.P.
TNM 97-17
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 100'	CAD By: DGC	Checked By: RKR
October 16, 2008		


Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Fence
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene 0.806 mg/L
Toluene 0.515 mg/L
Ethylbenzene 0.443 mg/L
Xylene 0.492 mg/L
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene 0.0074 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene 0.0033 mg/L
MW-11
Electric Pole
MW-1
MW-5
Benzene 0.0111 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene 0.0991 mg/L
Toluene 0.223 mg/L
Ethylbenzene 0.081 mg/L
Xylene 0.191 mg/L
MW-12
MW-4
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Leak Area
MW-6
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-10
MW-7
Benzene 0.366 mg/L
Toluene <0.01 mg/L
Ethylbenzene 0.0777 mg/L
Xylene 0.0541 mg/L
MW-16
MW-13
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-9
RW-4
MW-3
Benzene 0.527 mg/L
Toluene 0.185 mg/L
Ethylbenzene 0.139 mg/L
Xylene 0.178 mg/L
Benzene 0.238 mg/L
Toluene 0.154 mg/L
Ethylbenzene 0.147 mg/L
Xylene 0.159 mg/L
MW-2
RW-3
16" Pipeline Exposed
MW-8
Benzene 0.0116 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene 0.132 mg/L
Toluene 0.148 mg/L
Ethylbenzene 0.123 mg/L
Xylene 0.164 mg/L
RW-2
RW-5
MW-18
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
(NS)
MW-15
MW-14
Benzene 0.318 mg/L
Toluene 0.136 mg/L
Ethylbenzene 0.388 mg/L
Xylene 0.262 mg/L
RW-6
Benzene 0.106 mg/L
Toluene 0.133 mg/L
Ethylbenzene 0.127 mg/L
Xylene 0.137 mg/L
Benzene 0.378 mg/L
Toluene <0.01 mg/L
Ethylbenzene 0.0413 mg/L
Xylene 0.0346 mg/L
RW-1 (NS)
MW-19
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-25
MW-17
MW-26
Benzene 0.0521 mg/L
Toluene <0.001 mg/L
Ethylbenzene 0.0257 mg/L
Xylene <0.010 mg/L
Benzene 0.218 mg/L
Toluene 0.117 mg/L
Ethylbenzene 0.0721 mg/L
Xylene 0.0853 mg/L
Benzene 0.306 mg/L
Toluene <0.005 mg/L
Ethylbenzene 0.0177 mg/L
Xylene <0.005 mg/L
MW-20
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-28
MW-23
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene 0.0071 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene 0.005 mg/L
MW-27
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-21
Benzene 0.0054 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene 0.0073 mg/L
MW-24
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene 0.0011 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-22
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
N
100 50 0 50 100
Distance in Feet
NOTE:
• BOLD Indicates Concentration Above NMOCD Regulatory Limit
NMOCD Reference # AP-017
Legend:
Monitor Well Location
Recovery Well Location
Pipeline
Inferred PSH Extent
Thickness of PSH (feet)
<0.001 Constituent Concentration (mg/L)
Stockpile Soil Area
Excavated Area
(NS) Not Sampled
NOVA safety and environmental
Figure 3D
Groundwater Concentration and Inferred PSH Extent Map (11/12/08)
Plains Pipeline, L.P.
TNM 97-17
Lea County, NM
NOVA Safety and Environmental
Scale: 1" = 100'
CAD By: DGC
Checked By: RKR
December 18, 2008

TABLES

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

TNM 97- 17
LEA COUNTY, NEW MEXICO
PLAINS MARKETING, L.P.
NMOCD REFERENCE NUMBER AP-017

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	*02/12/08*	3510.90	-	25.64	0.00	3485.26
MW - 1	*05/13/08*	3510.90	-	20.56	0.00	3490.34
MW - 1	*08/14/08*	3510.90	-	21.51	0.00	3489.39
MW - 1	*11/12/08*	3510.90	-	20.88	0.00	3490.02
MW - 2	*02/12/08*	3509.23	-	19.52	0.00	3489.71
MW - 2	*05/13/08*	3509.23	-	19.50	0.00	3489.73
MW - 2	*08/14/08*	3509.23	-	20.26	0.00	3488.97
MW - 2	*11/12/08*	3509.23	-	19.80	0.00	3489.43
MW - 3	*02/12/08*	3508.82	-	19.14	0.00	3489.68
MW - 3	*05/13/08*	3508.82	-	19.12	0.00	3489.70
MW - 3	*08/14/08*	3508.82	-	19.87	0.00	3488.95
MW - 3	*11/12/08*	3508.82	-	19.40	0.00	3489.42
MW - 4	01/09/08	3509.15	19.13	19.35	0.22	3489.99
MW - 4	01/16/08	3509.15	19.16	19.50	0.34	3489.94
MW - 4	01/21/08	3509.15	19.14	19.43	0.29	3489.97
MW - 4	01/30/08	3509.15	19.09	19.23	0.14	3490.04
MW - 4	*02/12/08*	3509.15	19.11	19.54	0.43	3489.98
MW - 4	02/14/08	3509.15	19.10	19.27	0.17	3490.02
MW - 4	02/20/08	3509.15	sheen	19.09	0.00	3490.06
MW - 4	02/28/08	3509.15	19.08	19.23	0.15	3490.05
MW - 4	03/05/08	3509.15	19.10	19.24	0.14	3490.03
MW - 4	03/13/08	3509.15	19.07	19.21	0.00	3489.94
MW - 4	03/19/08	3509.15	19.11	19.14	0.03	3490.04
MW - 4	03/24/08	3509.15	19.07	19.15	0.08	3490.07
MW - 4	04/02/08	3509.15	19.08	19.13	0.05	3490.06
MW - 4	04/07/08	3509.15	19.08	19.09	0.01	3490.07
MW - 4	04/14/08	3509.15	19.06	19.13	0.07	3490.08
MW - 4	04/23/08	3509.15	19.05	19.11	0.06	3490.09
MW - 4	05/07/08	3509.15	19.04	19.19	0.15	3490.09
MW - 4	*05/13/08*	3509.15	19.04	19.19	0.15	3490.09
MW - 4	05/14/08	3509.15	19.05	19.09	0.04	3490.09
MW - 4	05/19/08	3509.15	19.09	19.12	0.03	3490.06
MW - 4	06/09/08	3509.15	19.36	19.56	0.20	3489.76
MW - 4	06/16/08	3509.15	19.08	19.18	0.10	3490.06
MW - 4	06/23/08	3509.15	19.54	20.22	0.68	3489.51
MW - 4	06/30/08	3509.15	19.64	20.02	0.38	3489.45
MW - 4	07/14/08	3509.15	19.65	20.45	0.80	3489.38
MW - 4	07/22/08	3509.15	19.73	20.48	0.75	3489.31
MW - 4	07/29/08	3509.15	19.70	20.74	1.04	3489.29
MW - 4	08/04/08	3509.15	19.70	21.12	1.42	3489.24
MW - 4	08/11/08	3509.15	19.79	20.77	0.98	3489.21
MW - 4	*08/14/08*	3509.15	19.87	20.38	0.51	3489.20
MW - 4	08/18/08	3509.15	19.82	20.65	0.83	3489.21
MW - 4	08/28/08	3509.15	19.72	20.72	1.00	3489.28
MW - 4	09/17/08	3509.15	19.35	21.00	1.65	3489.55
MW - 4	09/29/08	3509.15	19.43	19.88	0.45	3489.65
MW - 4	10/06/08	3509.15	19.48	19.74	0.26	3489.63
MW - 4	10/13/08	3509.15	19.52	19.72	0.20	3489.60
MW - 4	10/20/08	3509.15	19.43	19.61	0.18	3489.69
MW - 4	10/29/08	3509.15	19.39	19.63	0.24	3489.72
MW - 4	10/30/08	3509.15	19.42	19.51	0.09	3489.72
MW - 4	11/06/08	3509.15	19.38	19.52	0.14	3489.75
MW - 4	*11/12/08*	3509.15	19.35	19.53	0.18	3489.77
MW - 4	11/13/08	3509.15	19.35	19.53	0.18	3489.77
MW - 4	12/16/08	3509.15	19.30	19.51	0.21	3489.82
MW - 5	01/16/08	3509.96	-	19.88	0.00	3490.08
MW - 5	01/21/08	3509.96	-	19.86	0.00	3490.10
MW - 5	01/30/08	3509.96	-	19.78	0.00	3490.18
MW - 5	02/08/08	3509.96	-	19.84	0.00	3490.12
MW - 5	*02/12/08*	3509.96	-	19.81	0.00	3490.15
MW - 5	02/14/08	3509.96	-	19.83	0.00	3490.13
MW - 5	02/28/08	3509.96	-	19.82	0.00	3490.14
MW - 5	03/05/08	3509.96	-	19.82	0.00	3490.14

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

TNM 97- 17
LEA COUNTY, NEW MEXICO
PLAINS MARKETING, L.P.
NMOCD REFERENCE NUMBER AP-017

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	03/13/08	3509.96	-	19.78	0.00	3490.18
MW - 5	03/19/08	3509.96	-	19.79	0.00	3490.17
MW - 5	05/07/08	3509.96	-	19.73	0.00	3490.23
MW - 5	*05/13/08*	3509.96	-	19.74	0.00	3490.22
MW - 5	06/30/08	3509.96	20.40	20.41	0.01	3489.56
MW - 5	*08/14/08*	3509.96	20.62	20.72	0.10	3489.33
MW - 5	08/18/08	3509.96	20.62	20.63	0.01	3489.34
MW - 5	08/28/08	3509.96	-	20.56	0.00	3489.40
MW - 5	09/17/08	3509.96	-	20.27	0.00	3489.69
MW - 5	09/29/08	3509.96	-	20.21	0.00	3489.75
MW - 5	10/06/08	3509.96	-	20.23	0.00	3489.73
MW - 5	10/13/08	3509.96	-	20.28	0.00	3489.68
MW - 5	10/20/08	3509.96	-	20.21	0.00	3489.75
MW - 5	10/29/08	3509.96	-	20.18	0.00	3489.78
MW - 5	11/06/08	3509.96	-	20.10	0.00	3489.86
MW - 5	*11/12/08*	3509.96	-	20.08	0.00	3489.88
MW - 5	11/13/08	3509.96	-	20.08	0.00	3489.88
MW - 6	01/09/08	3507.94	17.90	18.16	0.26	3490.00
MW - 6	01/16/08	3507.94	18.04	18.30	0.26	3489.86
MW - 6	01/21/08	3507.94	18.01	18.38	0.37	3489.87
MW - 6	01/30/08	3507.94	18.00	18.04	0.04	3489.93
MW - 6	02/08/08	3507.94	18.00	18.04	0.04	3489.93
MW - 6	*02/12/08*	3507.94	18.00	18.04	0.04	3489.93
MW - 6	02/14/08	3507.94	17.99	18.02	0.03	3489.95
MW - 6	02/20/08	3507.94	18.00	18.03	0.03	3489.94
MW - 6	02/28/08	3507.94	17.98	17.99	0.01	3489.96
MW - 6	03/05/08	3507.94	17.98	18.01	0.03	3489.96
MW - 6	03/13/08	3507.94	17.96	18.04	0.00	3489.90
MW - 6	03/19/08	3507.94	17.97	18.09	0.12	3489.95
MW - 6	03/24/08	3507.94	17.94	18.02	0.08	3489.99
MW - 6	04/02/08	3507.94	17.94	18.10	0.16	3489.98
MW - 6	04/07/08	3507.94	17.94	18.04	0.10	3489.99
MW - 6	04/14/08	3507.94	17.94	18.03	0.09	3489.99
MW - 6	04/23/08	3507.94	17.93	18.01	0.08	3490.00
MW - 6	05/07/08	3507.94	17.94	18.09	0.15	3489.98
MW - 6	*05/13/08*	3507.94	17.94	18.09	0.15	3489.98
MW - 6	05/14/08	3507.94	17.93	18.00	0.07	3490.00
MW - 6	05/19/08	3507.94	17.92	17.98	0.06	3490.01
MW - 6	06/09/08	3507.94	18.22	18.47	0.25	3489.68
MW - 6	06/16/08	3507.94	17.95	18.12	0.17	3489.96
MW - 6	06/23/08	3507.94	17.52	18.88	1.36	3490.22
MW - 6	06/30/08	3507.94	18.52	18.82	0.30	3489.38
MW - 6	07/14/08	3507.94	18.58	18.76	0.18	3489.33
MW - 6	07/22/08	3507.94	18.62	18.76	0.14	3489.30
MW - 6	08/04/08	3507.94	18.98	19.12	0.14	3488.94
MW - 6	08/11/08	3507.94	18.74	18.80	0.06	3489.19
MW - 6	*08/14/08*	3507.94	18.75	18.98	0.23	3489.16
MW - 6	08/18/08	3507.94	18.76	18.84	0.08	3489.17
MW - 6	08/28/08	3507.94	18.69	18.75	0.06	3489.24
MW - 6	09/17/08	3507.94	18.45	18.65	0.20	3489.46
MW - 6	09/29/08	3507.94	18.35	18.40	0.05	3489.58
MW - 6	10/06/08	3507.94	18.39	18.45	0.06	3489.54
MW - 6	10/13/08	3507.94	18.44	18.57	0.13	3489.48
MW - 6	10/20/08	3507.94	18.41	18.43	0.02	3489.53
MW - 6	10/29/08	3507.94	18.23	18.30	0.07	3489.70
MW - 6	10/30/08	3507.94	18.33	18.34	0.01	3489.61
MW - 6	11/06/08	3507.94	-	18.30	0.00	3489.64
MW - 6	*11/12/08*	3507.94	-	18.29	0.00	3489.65
MW - 6	11/13/08	3507.94	-	18.25	0.00	3489.69
MW - 6	12/16/08	3507.94	18.22	18.23	0.00	3489.71
MW - 7	01/09/08	3507.08	17.25	17.58	0.33	3489.78
MW - 7	01/16/08	3507.08	17.29	17.64	0.35	3489.74
MW - 7	01/21/08	3507.08	17.31	17.72	0.41	3489.71
MW - 7	01/30/08	3507.08	17.23	17.54	0.31	3489.80
MW - 7	02/08/08	3507.08	17.24	17.58	0.34	3489.79

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

TNM 97- 17
LEA COUNTY, NEW MEXICO
PLAINS MARKETING, L.P.
NMOCD REFERENCE NUMBER AP-017

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	*02/12/08*	3507.08	17.24	17.58	0.34	3489.79
MW - 7	02/14/08	3507.08	17.23	17.51	0.28	3489.81
MW - 7	02/20/08	3507.08	17.21	17.50	0.29	3489.83
MW - 7	02/28/08	3507.08	17.22	17.54	0.32	3489.81
MW - 7	03/05/08	3507.08	17.23	17.63	0.40	3489.79
MW - 7	03/13/08	3507.08	17.19	17.57	0.38	3489.83
MW - 7	03/19/08	3507.08	17.23	17.60	0.37	3489.79
MW - 7	03/24/08	3507.08	17.19	17.58	0.39	3489.83
MW - 7	04/02/08	3507.08	17.18	17.52	0.34	3489.85
MW - 7	04/07/08	3507.08	17.18	17.52	0.34	3489.85
MW - 7	04/14/08	3507.08	17.19	17.48	0.29	3489.85
MW - 7	04/23/08	3507.08	17.19	17.52	0.33	3489.84
MW - 7	05/07/08	3507.08	17.18	17.51	0.33	3489.85
MW - 7	*05/13/08*	3507.08	17.18	17.51	0.33	3489.85
MW - 7	05/14/08	3507.08	17.20	17.50	0.30	3489.84
MW - 7	05/19/08	3507.08	17.19	17.42	0.23	3489.86
MW - 7	06/09/08	3507.08	17.46	17.95	0.49	3489.55
MW - 7	06/16/08	3507.08	17.24	17.50	0.26	3489.80
MW - 7	06/23/08	3507.08	17.70	18.35	0.65	3489.28
MW - 7	06/30/08	3507.08	17.76	18.25	0.49	3489.25
MW - 7	07/14/08	3507.08	17.82	18.36	0.54	3489.18
MW - 7	07/22/08	3507.08	17.87	18.36	0.49	3489.14
MW - 7	07/29/08	3507.08	17.88	18.40	0.52	3489.12
MW - 7	08/04/08	3507.08	17.90	18.49	0.59	3489.09
MW - 7	08/11/08	3507.08	17.75	18.41	0.66	3489.23
MW - 7	*08/14/08*	3507.08	17.99	18.43	0.44	3489.02
MW - 7	08/18/08	3507.08	17.96	18.38	0.42	3489.06
MW - 7	08/28/08	3507.08	17.91	18.30	0.39	3489.11
MW - 7	09/17/08	3507.08	17.65	18.01	0.36	3489.38
MW - 7	09/29/08	3507.08	17.61	17.96	0.35	3489.42
MW - 7	10/06/08	3507.08	17.62	17.97	0.35	3489.41
MW - 7	10/13/08	3507.08	17.69	18.05	0.36	3489.34
MW - 7	10/20/08	3507.08	17.60	17.89	0.29	3489.44
MW - 7	10/29/08	3507.08	17.53	17.75	0.22	3489.52
MW - 7	10/30/08	3507.08	17.56	17.76	0.20	3489.49
MW - 7	11/06/08	3507.08	17.54	17.76	0.22	3489.51
MW - 7	*11/12/08*	3507.08	17.50	17.71	0.21	3489.55
MW - 7	11/13/08	3507.08	17.50	17.71	0.21	3489.55
MW - 7	12/16/08	3507.08	17.48	17.70	0.22	3489.57
MW - 8	01/09/08	3506.39	16.82	17.36	0.54	3489.49
MW - 8	01/16/08	3506.39	16.88	17.33	0.45	3489.44
MW - 8	01/21/08	3506.39	16.89	17.56	0.67	3489.40
MW - 8	01/30/08	3506.39	16.81	17.15	0.34	3489.53
MW - 8	02/08/08	3506.39	16.84	17.27	0.43	3489.49
MW - 8	*02/12/08*	3506.39	16.84	17.23	0.39	3489.49
MW - 8	02/14/08	3506.39	16.84	17.16	0.32	3489.50
MW - 8	02/20/08	3506.39	16.80	17.12	0.32	3489.54
MW - 8	02/28/08	3506.39	16.81	17.15	0.34	3489.53
MW - 8	03/05/08	3506.39	16.81	17.24	0.43	3489.52
MW - 8	03/13/08	3506.39	16.79	17.14	0.35	3489.55
MW - 8	03/19/08	3506.39	16.83	17.15	0.32	3489.51
MW - 8	03/24/08	3506.39	16.78	17.17	0.39	3489.55
MW - 8	04/02/08	3506.39	16.79	17.16	0.37	3489.54
MW - 8	04/07/08	3506.39	16.76	17.12	0.36	3489.58
MW - 8	04/14/08	3506.39	16.82	17.16	0.34	3489.52
MW - 8	04/23/08	3506.39	16.76	17.11	0.35	3489.58
MW - 8	05/07/08	3506.39	16.78	17.09	0.31	3489.56
MW - 8	*05/13/08*	3506.39	16.78	17.09	0.31	3489.56
MW - 8	05/14/08	3506.39	16.76	17.13	0.37	3489.57
MW - 8	05/19/08	3506.39	16.80	17.14	0.34	3489.54
MW - 8	06/09/08	3506.39	17.04	17.57	0.53	3489.27
MW - 8	06/16/08	3506.39	16.79	17.12	0.33	3489.55
MW - 8	06/23/08	3506.39	17.25	17.67	0.42	3489.08
MW - 8	06/30/08	3506.39	17.32	17.78	0.46	3489.00
MW - 8	07/14/08	3506.39	17.35	17.76	0.41	3488.98
MW - 8	07/22/08	3506.39	17.40	17.80	0.40	3488.93

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

TNM 97- 17
LEA COUNTY, NEW MEXICO
PLAINS MARKETING, L.P.
NMOCD REFERENCE NUMBER AP-017

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	07/29/08	3506.39	17.43	17.92	0.49	3488.89
MW - 8	08/04/08	3506.39	17.45	18.08	0.63	3488.85
MW - 8	08/11/08	3506.39	17.50	18.06	0.56	3488.81
MW - 8	*08/14/08*	3506.39	17.55	18.03	0.48	3488.77
MW - 8	08/18/08	3506.39	17.51	17.96	0.45	3488.81
MW - 8	08/28/08	3506.39	17.43	17.91	0.48	3488.89
MW - 8	09/02/08	3506.39	17.28	17.74	0.46	3489.04
MW - 8	09/17/08	3506.39	17.15	18.00	0.85	3489.11
MW - 8	09/29/08	3506.39	17.19	17.71	0.52	3489.12
MW - 8	10/06/08	3506.39	17.17	17.69	0.52	3489.14
MW - 8	10/13/08	3506.39	17.24	17.65	0.41	3489.09
MW - 8	10/20/08	3506.39	17.11	17.34	0.23	3489.25
MW - 8	10/29/08	3506.39	17.07	17.41	0.34	3489.27
MW - 8	10/30/08	3506.39	17.10	17.38	0.28	3489.25
MW - 8	11/06/08	3506.39	17.10	17.40	0.30	3489.25
MW - 8	*11/12/08*	3506.39	17.07	17.35	0.28	3489.28
MW - 8	11/13/08	3506.39	17.07	17.35	0.28	3489.28
MW - 8	12/16/08	3506.39	17.02	17.42	0.40	3489.31
MW - 9	*02/12/08*	3509.36	-	19.53	0.00	3489.83
MW - 9	*05/13/08*	3509.36	-	19.47	0.00	3489.89
MW - 9	*08/14/08*	3509.36	-	20.32	0.00	3489.04
MW - 9	*11/12/08*	3509.36	-	19.80	0.00	3489.56
MW - 10	01/09/08	3509.91	-	19.96	0.00	3489.95
MW - 10	01/16/08	3509.91	-	19.91	0.00	3490.00
MW - 10	01/21/08	3509.91	-	19.97	0.00	3489.94
MW - 10	01/30/08	3509.91	-	19.94	0.00	3489.97
MW - 10	02/08/08	3509.91	-	19.95	0.00	3489.96
MW - 10	*02/12/08*	3509.91	-	19.93	0.00	3489.98
MW - 10	02/14/08	3509.91	-	19.96	0.00	3489.95
MW - 10	02/28/08	3509.91	-	19.93	0.00	3489.98
MW - 10	03/05/08	3509.91	-	19.94	0.00	3489.97
MW - 10	03/13/08	3509.91	-	19.91	0.00	3490.00
MW - 10	03/19/08	3509.91	-	19.92	0.00	3489.99
MW - 10	03/24/08	3509.91	-	19.88	0.00	3490.03
MW - 10	05/07/08	3509.91	-	19.88	0.00	3490.03
MW - 10	*05/13/08*	3509.91	-	19.88	0.00	3490.03
MW - 10	06/30/08	3509.91	-	20.58	0.00	3489.33
MW - 10	*08/14/08*	3509.91	-	20.75	0.00	3489.16
MW - 10	08/18/08	3509.91	-	20.81	0.00	3489.10
MW - 10	08/28/08	3509.91	-	20.68	0.00	3489.23
MW - 10	09/17/08	3509.91	-	20.37	0.00	3489.54
MW - 10	09/29/08	3509.91	-	20.31	0.00	3489.60
MW - 10	10/06/08	3509.91	-	20.32	0.00	3489.59
MW - 10	10/13/08	3509.91	-	20.39	0.00	3489.52
MW - 10	10/20/08	3509.91	-	20.31	0.00	3489.60
MW - 10	10/29/08	3509.91	-	20.27	0.00	3489.64
MW - 10	11/06/08	3509.91	-	20.24	0.00	3489.67
MW - 10	*11/12/08*	3509.91	-	20.20	0.00	3489.71
MW - 10	11/13/08	3509.91	-	20.20	0.00	3489.71
MW - 11	*02/12/08*	3509.27	-	19.07	0.00	3490.20
MW - 11	*05/13/08*	3509.27	-	19.03	0.00	3490.24
MW - 11	*08/14/08*	3509.27	-	19.90	0.00	3489.37
MW - 11	*11/12/08*	3509.27	-	19.35	0.00	3489.92
MW - 12	*02/12/08*	3508.63	-	18.69	0.00	3489.94
MW - 12	*06/05/08*	3508.63	-	18.70	0.00	3489.93
MW - 12	*08/14/08*	3508.63	DID NOT GAUGE		0.00	3508.63
MW - 12	*11/12/08*	3508.63	-	18.94	0.00	3489.69
MW - 13	*02/12/08*	3507.96	-	18.18	0.00	3489.78
MW - 13	*05/13/08*	3507.96	-	18.13	0.00	3489.83
MW - 13	*08/14/08*	3507.96	-	18.92	0.00	3489.04
MW - 13	*11/12/08*	3507.96	-	18.45	0.00	3489.51

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

TNM 97- 17
LEA COUNTY, NEW MEXICO
PLAINS MARKETING, L.P.
NMOCD REFERENCE NUMBER AP-017

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	01/09/08	3507.46	18.04	18.85	0.81	3489.30
MW - 14	01/16/08	3507.46	18.10	18.88	0.78	3489.24
MW - 14	01/30/08	3507.46	18.01	18.90	0.89	3489.32
MW - 14	02/08/08	3507.46	18.13	19.06	0.93	3489.19
MW - 14	*02/12/08*	3507.46	18.05	18.72	0.67	3489.31
MW - 14	02/14/08	3507.46	18.06	18.75	0.69	3489.30
MW - 14	02/20/08	3507.46	18.01	18.56	0.55	3489.37
MW - 14	02/28/08	3507.46	18.02	18.69	0.67	3489.34
MW - 14	03/05/08	3507.46	18.02	18.60	0.58	3489.35
MW - 14	03/13/08	3507.45	18.00	18.64	0.64	3489.35
MW - 14	03/19/08	3507.46	18.04	18.62	0.58	3489.33
MW - 14	03/24/08	3507.46	18.02	18.63	0.61	3489.35
MW - 14	04/02/08	3507.46	18.02	18.59	0.57	3489.35
MW - 14	04/07/08	3507.46	17.99	18.31	0.32	3489.42
MW - 14	04/14/08	3507.46	18.02	18.45	0.43	3489.38
MW - 14	04/23/08	3507.46	17.98	18.51	0.53	3489.40
MW - 14	05/07/08	3507.46	18.00	18.51	0.51	3489.38
MW - 14	*05/13/08*	3507.46	18.00	18.51	0.51	3489.38
MW - 14	05/14/08	3507.46	18.00	18.55	0.55	3489.38
MW - 14	05/19/08	3507.46	18.02	18.55	0.53	3489.36
MW - 14	06/09/08	3507.46	18.28	18.98	0.70	3489.08
MW - 14	06/16/08	3507.46	18.02	19.07	1.05	3489.28
MW - 14	06/23/08	3507.46	18.45	19.43	0.98	3488.86
MW - 14	06/30/08	3507.46	18.53	19.25	0.72	3488.82
MW - 14	07/14/08	3507.46	18.54	19.58	1.04	3488.76
MW - 14	07/22/08	3507.46	18.74	20.02	1.28	3488.53
MW - 14	07/29/08	3507.46	18.64	19.31	0.67	3488.72
MW - 14	08/04/08	3507.46	18.66	19.79	1.13	3488.63
MW - 14	08/11/08	3507.46	18.72	19.53	0.81	3488.62
MW - 14	*08/14/08*	3507.46	18.76	19.49	0.73	3488.59
MW - 14	08/18/08	3507.46	18.72	19.46	0.74	3488.63
MW - 14	08/28/08	3507.46	18.63	19.61	0.98	3488.68
MW - 14	09/02/08	3507.46	18.52	19.46	0.94	3488.80
MW - 14	09/17/08	3507.46	18.29	20.26	1.97	3488.87
MW - 14	09/29/08	3507.46	18.32	20.26	1.94	3488.85
MW - 14	10/06/08	3507.46	18.30	20.02	1.72	3488.90
MW - 14	10/13/08	3507.46	18.36	19.82	1.46	3488.88
MW - 14	10/20/08	3507.46	18.23	19.80	1.57	3488.99
MW - 14	10/29/08	3507.46	18.31	19.34	1.03	3489.00
MW - 14	10/30/08	3507.46	18.33	18.78	0.45	3489.06
MW - 14	11/06/08	3507.46	18.29	19.10	0.81	3489.05
MW - 14	*11/12/08*	3507.46	18.29	19.01	0.72	3489.06
MW - 14	11/13/08	3507.46	18.29	19.01	0.72	3489.06
MW - 14	12/16/08	3507.46	18.35	19.26	0.91	3488.97
MW - 15	01/09/08	3506.48	17.15	17.40	0.25	3489.29
MW - 15	01/16/08	3506.48	17.18	17.58	0.40	3489.24
MW - 15	01/30/08	3506.48	-	17.15	0.00	3489.33
MW - 15	02/08/08	3506.48	-	17.36	0.00	3489.12
MW - 15	*02/12/08*	3506.48	-	17.19	0.00	3489.29
MW - 15	02/14/08	3506.48	17.16	17.20	0.04	3489.31
MW - 15	02/20/08	3506.48	17.12	17.14	0.02	3489.36
MW - 15	02/28/08	3506.48	17.13	17.22	0.09	3489.34
MW - 15	03/05/08	3506.48	17.12	17.29	0.17	3489.33
MW - 15	03/13/08	3506.48	17.11	17.27	0.16	3489.35
MW - 15	03/19/08	3506.48	17.13	17.30	0.17	3489.32
MW - 15	03/24/08	3506.48	17.09	17.22	0.13	3489.37
MW - 15	04/02/08	3506.48	17.11	17.20	0.09	3489.36
MW - 15	04/07/08	3506.48	17.09	17.19	0.10	3489.38
MW - 15	04/14/08	3506.48	17.11	17.12	0.01	3489.37
MW - 15	04/23/08	3506.48	17.07	17.20	0.13	3489.39
MW - 15	05/07/08	3506.48	17.08	17.26	0.18	3489.37
MW - 15	*05/13/08*	3506.48	17.07	17.22	0.15	3489.39
MW - 15	05/14/08	3506.48	17.07	17.22	0.15	3489.39
MW - 15	05/19/08	3506.48	17.10	17.25	0.15	3489.36
MW - 15	06/09/08	3506.48	17.35	17.69	0.34	3489.08
MW - 15	06/16/08	3506.48	17.12	17.15	0.03	3489.36

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

TNM 97- 17
LEA COUNTY, NEW MEXICO
PLAINS MARKETING, L.P.
NMOCD REFERENCE NUMBER AP-017

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	06/23/08	3506.48	17.55	17.98	0.43	3488.87
MW - 15	06/30/08	3506.48	17.60	17.98	0.38	3488.82
MW - 15	07/14/08	3506.48	17.65	18.12	0.47	3488.76
MW - 15	07/22/08	3506.48	17.70	18.14	0.44	3488.71
MW - 15	07/29/08	3506.48	17.74	17.96	0.22	3488.71
MW - 15	08/04/08	3506.48	17.75	18.14	0.39	3488.67
MW - 15	08/11/08	3506.48	17.79	18.17	0.38	3488.63
MW - 15	*08/14/08*	3506.48	17.83	18.12	0.29	3488.61
MW - 15	08/18/08	3506.48	17.80	18.08	0.28	3488.64
MW - 15	08/28/08	3506.48	17.74	18.08	0.34	3488.69
MW - 15	09/17/08	3506.48	17.45	18.03	0.58	3488.94
MW - 15	09/29/08	3506.48	17.44	18.13	0.69	3488.94
MW - 15	10/06/08	3506.48	17.46	18.50	1.04	3488.86
MW - 15	10/13/08	3506.48	17.55	17.93	0.38	3488.87
MW - 15	10/20/08	3506.48	17.39	17.84	0.45	3489.02
MW - 15	10/29/08	3506.48	17.39	17.95	0.56	3489.01
MW - 15	10/30/08	3506.48	17.42	17.80	0.38	3489.00
MW - 15	11/06/08	3506.48	17.40	17.55	0.15	3489.06
MW - 15	*11/12/08*	3506.48	17.36	17.69	0.33	3489.07
MW - 15	11/13/08	3506.48	17.36	17.69	0.33	3489.07
MW - 15	12/16/08	3506.48	17.38	17.60	0.22	3489.07
MW - 16	*02/12/08*	3509.38	-	19.47	0.00	3489.91
MW - 16	*05/13/08*	3509.38	-	19.42	0.00	3489.96
MW - 16	*08/14/08*	3509.38	-	20.26	0.00	3489.12
MW - 16	*11/12/08*	3509.38	-	19.73	0.00	3489.65
MW - 17	06/20/02	3507.56	-	19.87	0.00	3487.69
MW - 17	09/26/02	3507.56	-	20.30	0.00	3487.26
MW - 17	11/12/02	3507.56	-	20.23	0.00	3487.33
MW - 17	02/12/03	3507.56	-	19.88	0.00	3487.68
MW - 17	05/14/03	3507.56	-	20.09	0.00	3487.47
MW - 17	08/21/03	3507.56	-	20.74	0.00	3486.82
MW - 17	12/10/03	3507.56	-	20.71	0.00	3486.85
MW - 17	05/11/04	3507.56	-	19.63	0.00	3487.93
MW - 17	08/25/04	3507.56	-	19.96	0.00	3487.60
MW - 17	*12/02/04*	3507.56	-	19.23	0.00	3488.33
MW - 17	*03/08/05*	3507.56	-	18.74	0.00	3488.82
MW - 17	*06/08/05*	3507.56	-	18.28	0.00	3489.28
MW - 17	*09/15/05*	3507.56	-	18.43	0.00	3489.13
MW - 17	*12/12/05*	3507.56	-	18.28	0.00	3489.28
MW - 17	*03/16/06*	3507.56	-	18.25	0.00	3489.31
MW - 17	*06/15/06*	3507.56	-	18.60	0.00	3488.96
MW - 17	*09/18/06*	3507.56	-	18.40	0.00	3489.16
MW - 17	*11/30/06*	3507.56	-	18.39	0.00	3489.17
MW - 17	*02/27/07*	3507.56	-	18.22	0.00	3489.34
MW - 17	*05/22/07*	3507.56	-	18.03	0.00	3489.53
MW - 17	*08/15/07*	3507.56	-	18.67	0.00	3488.89
MW - 17	*11/06/07*	3507.56	-	18.51	0.00	3489.05
MW - 17	*02/12/08*	3507.56	-	18.36	0.00	3489.20
MW - 17	*05/13/08*	3507.56	-	18.36	0.00	3489.20
MW - 17	*08/14/08*	3507.56	-	19.03	0.00	3488.53
MW - 17	*11/12/08*	3507.56	-	18.65	0.00	3488.91
MW - 18	*02/12/08*	3509.12	-	19.79	0.00	3489.33
MW - 18	*05/13/08*	3509.12	-	19.73	0.00	3489.39
MW - 18	*08/14/08*	3509.12	-	20.52	0.00	3488.60
MW - 18	*11/12/08*	3509.12	-	20.05	0.00	3489.07
MW - 19	01/09/08	3507.28	18.21	18.39	0.18	3489.04
MW - 19	01/16/08	3507.28	18.18	18.42	0.24	3489.06
MW - 19	01/30/08	3507.28	18.15	18.25	0.10	3489.12
MW - 19	02/08/08	3507.28	18.18	18.41	0.23	3489.07
MW - 19	*02/12/08*	3507.28	18.18	18.41	0.23	3489.07
MW - 19	02/14/08	3507.28	18.15	18.34	0.19	3489.10
MW - 19	02/20/08	3507.28	18.13	18.27	0.14	3489.13
MW - 19	02/28/08	3507.28	18.13	18.28	0.15	3489.13

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

TNM 97- 17
LEA COUNTY, NEW MEXICO
PLAINS MARKETING, L.P.
NMOCD REFERENCE NUMBER AP-017

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	03/05/08	3507.28	18.15	18.41	0.26	3489.09
MW - 19	03/13/08	3507.28	18.13	18.31	0.18	3489.12
MW - 19	03/19/08	3507.28	18.16	18.36	0.20	3489.09
MW - 19	03/24/08	3507.28	18.12	18.24	0.12	3489.14
MW - 19	04/02/08	3507.28	18.11	18.22	0.11	3489.15
MW - 19	04/07/08	3507.28	18.11	18.12	0.01	3489.17
MW - 19	04/14/08	3507.28	18.11	18.12	0.01	3489.17
MW - 19	04/23/08	3507.28	18.09	18.18	0.09	3489.18
MW - 19	05/07/08	3507.28	18.12	18.26	0.14	3489.14
MW - 19	*05/13/08*	3507.28	18.12	18.21	0.09	3489.15
MW - 19	05/14/08	3507.28	18.11	18.21	0.10	3489.16
MW - 19	05/19/08	3507.28	18.06	18.09	0.03	3489.22
MW - 19	06/09/08	3507.28	18.38	18.62	0.24	3488.86
MW - 19	06/16/08	3507.28	18.14	18.17	0.03	3489.14
MW - 19	06/23/08	3507.28	18.58	18.81	0.23	3488.67
MW - 19	06/30/08	3507.28	18.66	18.88	0.22	3488.59
MW - 19	07/14/08	3507.28	18.69	18.86	0.17	3488.56
MW - 19	07/22/08	3507.28	18.75	18.77	0.02	3488.53
MW - 19	07/29/08	3507.28	18.76	18.92	0.16	3488.50
MW - 19	08/04/08	3507.28	18.81	18.98	0.17	3488.44
MW - 19	08/11/08	3507.28	18.84	18.87	0.03	3488.44
MW - 19	*08/14/08*	3507.28	18.87	19.02	0.15	3488.39
MW - 19	08/18/08	3507.28	18.87	18.98	0.11	3488.39
MW - 19	08/28/08	3507.28	18.82	18.91	0.09	3488.45
MW - 19	09/17/08	3507.28	18.60	18.65	0.05	3488.67
MW - 19	09/29/08	3507.28	18.55	18.59	0.04	3488.72
MW - 19	10/06/08	3507.28	18.58	18.66	0.08	3488.69
MW - 19	10/13/08	3507.28	18.59	18.70	0.11	3488.67
MW - 19	10/20/08	3507.28	18.53	18.59	0.06	3488.74
MW - 19	10/29/08	3507.28	18.46	18.51	0.05	3488.81
MW - 19	10/30/08	3507.28	18.49	18.50	0.01	3488.79
MW - 19	11/06/08	3507.28	18.48	18.51	0.03	3488.80
MW - 19	*11/12/08*	3507.28	18.43	18.48	0.05	3488.84
MW - 19	11/13/08	3507.28	18.43	18.48	0.05	3488.84
MW - 19	12/16/08	3507.28	18.37	18.39	0.02	3488.91
MW - 20	*02/12/08*	3508.43	-	19.61	0.00	3488.82
MW - 20	*05/13/08*	3508.43	-	19.55	0.00	3488.88
MW - 20	*08/14/08*	3508.43	-	20.28	0.00	3488.15
MW - 20	*11/12/08*	3508.43	-	19.88	0.00	3488.55
MW - 21	*02/12/08*	3506.98	-	18.55	0.00	3488.43
MW - 21	*05/13/08*	3506.98	-	18.48	0.00	3488.50
MW - 21	*08/14/08*	3506.98	-	19.21	0.00	3487.77
MW - 21	*11/12/08*	3506.98	-	18.80	0.00	3488.18
MW - 22	*02/12/08*	3505.61	-	17.59	0.00	3488.02
MW - 22	*05/13/08*	3505.61	-	19.33	0.00	3486.28
MW - 22	*08/14/08*	3505.61	-	18.26	0.00	3487.35
MW - 22	*11/12/08*	3505.61	-	18.81	0.00	3486.80
MW - 23	*02/12/08*	3509.79	-	21.25	0.00	3488.54
MW - 23	*05/13/08*	3509.79	-	21.18	0.00	3488.61
MW - 23	*08/14/08*	3509.79	-	21.93	0.00	3487.86
MW - 23	*11/12/08*	3509.79	-	21.51	0.00	3488.28
MW - 24	*02/12/08*	3509.68	-	21.53	0.00	3488.15
MW - 24	*05/13/08*	3509.68	-	21.46	0.00	3488.22
MW - 24	*08/14/08*	3509.68	-	22.20	0.00	3487.48
MW - 24	*11/12/08*	3509.68	-	21.81	0.00	3487.87
MW - 25	*02/12/08*	3509.65	-	20.88	0.00	3488.77
MW - 25	*05/13/08*	3509.65	-	20.84	0.00	3488.81
MW - 25	*08/14/08*	3509.65	-	21.58	0.00	3488.07
MW - 25	*11/12/08*	3509.65	-	21.18	0.00	3488.47
MW - 26	*02/12/08*	3507.49	-	18.55	0.00	3488.94

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

TNM 97- 17
LEA COUNTY, NEW MEXICO
PLAINS MARKETING, L.P.
NMOCD REFERENCE NUMBER AP-017

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 26	*05/13/08*	3507.49	-	18.55	0.00	3488.94
MW - 26	*08/14/08*	3507.49	-	19.24	0.00	3488.25
MW - 26	*11/12/08*	3507.49	-	18.80	0.00	3488.69
MW - 27	*02/12/08*	3507.66	-	18.97	0.00	3488.69
MW - 27	*05/13/08*	3507.66	-	20.05	0.00	3487.61
MW - 27	*08/14/08*	3507.66	-	19.64	0.00	3488.02
MW - 27	*11/12/08*	3507.66	-	19.24	0.00	3488.42
MW - 28	*02/12/08*	3508.37	-	19.44	0.00	3488.93
MW - 28	*05/13/08*	3508.37	-	19.40	0.00	3488.97
MW - 28	*08/14/08*	3508.37	-	20.12	0.00	3488.25
MW - 28	*11/12/08*	3508.37	-	19.70	0.00	3488.67
RW - 1	01/09/08	3507.27	18.07	18.26	0.19	3489.17
RW - 1	01/16/08	3507.27	18.13	18.48	0.35	3489.09
RW - 1	01/30/08	3507.27	18.06	18.25	0.19	3489.18
RW - 1	02/08/08	3507.27	18.10	18.32	0.22	3489.14
RW - 1	*02/12/08*	3507.27	18.09	18.29	0.20	3489.15
RW - 1	02/14/08	3507.27	18.10	18.21	0.11	3489.15
RW - 1	02/20/08	3507.27	18.08	18.18	0.10	3489.18
RW - 1	03/13/08	3507.27	18.08	18.12	0.04	3489.18
RW - 1	03/19/08	3507.27	18.09	18.18	0.09	3489.85
RW - 1	03/24/08	3507.27	18.05	18.14	0.09	3489.89
RW - 1	04/02/08	3507.27	18.06	18.12	0.06	3489.94
RW - 1	04/07/08	3507.27	18.07	18.11	0.04	3489.97
RW - 1	04/14/08	3507.27	18.05	18.12	0.07	3489.93
RW - 1	04/23/08	3507.27	18.05	18.11	0.06	3489.95
RW - 1	05/07/08	3507.27	18.05	18.16	0.11	3489.85
RW - 1	*05/13/08*	3507.27	18.05	18.16	0.11	3489.85
RW - 1	05/14/08	3507.27	18.08	18.11	0.03	3489.98
RW - 1	05/19/08	3507.27	18.10	18.12	0.02	3489.98
RW - 1	06/09/08	3507.27	18.32	18.44	0.12	3489.56
RW - 1	06/16/08	3507.27	18.01	18.12	0.11	3489.89
RW - 1	06/23/08	3507.27	18.49	18.96	0.47	3488.69
RW - 1	06/30/08	3507.27	18.56	18.67	0.11	3489.34
RW - 1	07/14/08	3507.27	18.61	18.63	0.02	3489.47
RW - 1	07/22/08	3507.27	18.72	18.82	0.10	3489.20
RW - 1	07/29/08	3507.27	18.71	18.80	0.09	3489.23
RW - 1	08/04/08	3507.27	18.74	18.85	0.11	3489.16
RW - 1	08/11/08	3507.27	18.80	18.81	0.01	3489.30
RW - 1	*08/14/08*	3507.27	18.80	18.93	0.13	3489.06
RW - 1	08/18/08	3507.27	18.79	18.92	0.13	3489.07
RW - 1	08/28/08	3507.27	18.76	18.85	0.09	3489.18
RW - 1	09/17/08	3507.27	18.53	18.64	0.11	3489.37
RW - 1	09/29/08	3507.27	18.51	18.63	0.12	3489.37
RW - 1	10/06/08	3507.27	18.51	18.64	0.13	3489.35
RW - 1	10/13/08	3507.27	18.54	18.59	0.05	3489.48
RW - 1	10/20/08	3507.27	18.41	18.49	0.08	3489.55
RW - 1	10/29/08	3507.27	18.39	18.47	0.08	3489.57
RW - 1	10/30/08	3507.27	18.44	18.45	0.01	3489.66
RW - 1	11/06/08	3507.27	18.36	18.42	0.06	3489.64
RW - 1	*11/12/08*	3507.27	18.34	18.43	0.09	3489.60
RW - 1	11/13/08	3507.27	18.34	18.43	0.09	3489.60
RW - 1	12/16/08	3507.27	18.36	18.43	0.07	3489.62
RW - 2	01/09/08	3507.45	-	17.94	0.00	3489.51
RW - 2	01/16/08	3507.45	-	17.89	0.00	3489.56
RW - 2	01/21/08	3507.45	-	18.01	0.00	3489.44
RW - 2	01/30/08	3507.45	-	17.89	0.00	3489.56
RW - 2	02/08/08	3507.45	-	17.92	0.00	3489.53
RW - 2	*02/12/08*	3507.45	17.88	17.89	0.01	3489.57
RW - 2	02/14/08	3507.45	-	17.97	0.00	3489.48
RW - 2	02/20/08	3507.45	-	17.88	0.00	3489.57
RW - 2	02/28/08	3507.45	-	17.98	0.00	3489.47
RW - 2	03/05/08	3507.45	-	17.98	0.00	3489.47
RW - 2	03/13/08	3507.45	-	17.96	0.00	3489.49

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

TNM 97- 17
LEA COUNTY, NEW MEXICO
PLAINS MARKETING, L.P.
NMOCD REFERENCE NUMBER AP-017

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	03/19/08	3507.45	-	17.98	0.00	3489.47
RW - 2	03/24/08	3507.45	-	18.92	0.00	3488.53
RW - 2	04/02/08	3507.45	-	17.90	0.00	3489.55
RW - 2	04/14/08	3507.45	-	17.92	0.00	3489.53
RW - 2	05/07/08	3507.45	-	17.87	0.00	3489.58
RW - 2	*05/13/08*	3507.45	-	17.86	0.00	3489.59
RW - 2	05/14/08	3507.45	-	17.97	0.00	3489.48
RW - 2	06/09/08	3507.45	-	18.14	0.00	3489.31
RW - 2	06/16/08	3507.45	-	17.84	0.00	3489.61
RW - 2	06/23/08	3507.45	-	18.32	0.00	3489.13
RW - 2	06/30/08	3507.45	18.45	18.52	0.07	3488.99
RW - 2	07/14/08	3507.45	-	18.56	0.00	3488.89
RW - 2	07/29/08	3507.45	-	18.59	0.00	3488.86
RW - 2	08/04/08	3507.45	-	18.61	0.00	3488.84
RW - 2	*08/14/08*	3507.45	-	18.60	0.00	3488.85
RW - 2	08/18/08	3507.45	-	18.74	0.00	3488.71
RW - 2	08/28/08	3507.45	-	18.63	0.00	3488.82
RW - 2	09/17/08	3507.45	-	18.45	0.00	3489.00
RW - 2	09/29/08	3507.45	-	18.35	0.00	3489.10
RW - 2	10/06/08	3507.45	-	18.30	0.00	3489.15
RW - 2	10/13/08	3507.45	-	18.41	0.00	3489.04
RW - 2	10/20/08	3507.45	-	18.23	0.00	3489.22
RW - 2	10/29/08	3507.45	-	18.15	0.00	3489.30
RW - 2	11/06/08	3507.45	-	18.25	0.00	3489.20
RW - 2	*11/12/08*	3507.45	-	18.28	0.00	3489.17
RW - 2	11/13/08	3507.45	-	18.28	0.00	3489.17
RW - 3	01/09/08	3507.86	-	18.36	0.00	3489.50
RW - 3	01/16/08	3507.86	-	18.36	0.00	3489.50
RW - 3	01/21/08	3507.86	-	18.38	0.00	3489.48
RW - 3	01/30/08	3507.86	-	18.24	0.00	3489.62
RW - 3	02/08/08	3507.86	-	18.32	0.00	3489.54
RW - 3	*02/12/08*	3507.86	-	18.28	0.00	3489.58
RW - 3	02/14/08	3507.86	-	18.29	0.00	3489.57
RW - 3	02/20/08	3507.86	-	18.26	0.00	3489.60
RW - 3	02/28/08	3507.86	-	18.29	0.00	3489.57
RW - 3	03/05/08	3507.86	-	18.28	0.00	3489.58
RW - 3	03/13/08	3507.89	-	18.27	0.00	3489.62
RW - 3	03/19/08	3507.86	-	18.29	0.00	3489.57
RW - 3	03/24/08	3507.86	-	18.32	0.00	3489.54
RW - 3	04/02/08	3507.86	-	18.26	0.00	3489.60
RW - 3	04/14/08	3507.86	-	18.26	0.00	3489.60
RW - 3	05/07/08	3507.86	-	18.19	0.00	3489.67
RW - 3	*05/13/08*	3507.86	-	18.18	0.00	3489.68
RW - 3	05/14/08	3507.86	-	18.26	0.00	3489.60
RW - 3	06/09/08	3507.86	-	18.26	0.00	3489.60
RW - 3	06/16/08	3507.86	-	18.17	0.00	3489.69
RW - 3	06/23/08	3507.86	-	18.80	0.00	3489.06
RW - 3	06/30/08	3507.86	18.78	18.79	0.01	3489.08
RW - 3	07/14/08	3507.86	-	18.92	0.00	3488.94
RW - 3	07/29/08	3507.86	-	18.96	0.00	3488.90
RW - 3	08/04/08	3507.86	-	19.00	0.00	3488.86
RW - 3	*08/14/08*	3507.86	18.96	18.97	0.01	3488.90
RW - 3	08/18/08	3507.86	-	19.05	0.00	3488.81
RW - 3	08/28/08	3507.86	-	18.98	0.00	3488.88
RW - 3	09/17/08	3507.86	-	18.75	0.00	3489.11
RW - 3	09/29/08	3507.86	-	18.66	0.00	3489.20
RW - 3	10/06/08	3507.86	-	18.67	0.00	3489.19
RW - 3	10/13/08	3507.86	-	18.71	0.00	3489.15
RW - 3	10/20/08	3507.86	-	18.61	0.00	3489.25
RW - 3	10/29/08	3507.86	-	18.53	0.00	3489.33
RW - 3	11/06/08	3507.86	-	18.58	0.00	3489.28
RW - 3	*11/12/08*	3507.86	-	18.56	0.00	3489.30
RW - 3	11/13/08	3507.86	-	18.56	0.00	3489.30
RW - 4	01/09/08	3507.22	-	17.56	0.00	3489.66
RW - 4	01/16/08	3507.22	-	17.62	0.00	3489.60

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

TNM 97- 17
LEA COUNTY, NEW MEXICO
PLAINS MARKETING, L.P.
NMOCD REFERENCE NUMBER AP-017

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	01/21/08	3507.22	-	17.63	0.00	3489.59
RW - 4	01/30/08	3507.22	-	17.46	0.00	3489.76
RW - 4	02/08/08	3507.22	-	17.56	0.00	3489.66
RW - 4	*02/12/08*	3507.22	-	17.53	0.00	3489.69
RW - 4	02/14/08	3507.22	-	17.54	0.00	3489.68
RW - 4	02/20/08	3507.22	-	17.49	0.00	3489.73
RW - 4	02/28/08	3507.22	-	17.53	0.00	3489.69
RW - 4	03/05/08	3507.22	-	17.57	0.00	3489.65
RW - 4	03/13/08	3507.22	-	17.50	0.00	3489.72
RW - 4	03/19/08	3507.22	-	17.52	0.00	3489.70
RW - 4	03/24/08	3507.22	-	17.51	0.00	3489.71
RW - 4	04/02/08	3507.22	-	17.51	0.00	3489.71
RW - 4	04/14/08	3507.22	-	17.50	0.00	3489.72
RW - 4	05/07/08	3507.22	-	17.47	0.00	3489.75
RW - 4	*05/13/08*	3507.22	-	17.45	0.00	3489.77
RW - 4	05/14/08	3507.22	-	17.49	0.00	3489.73
RW - 4	06/09/08	3507.22	-	18.02	0.00	3489.20
RW - 4	06/16/08	3507.22	-	17.52	0.00	3489.70
RW - 4	06/23/08	3507.22	-	17.92	0.00	3489.30
RW - 4	06/30/08	3507.22	18.07	18.08	0.01	3489.15
RW - 4	07/14/08	3507.22	-	18.17	0.00	3489.05
RW - 4	07/29/08	3507.22	-	18.17	0.00	3489.05
RW - 4	08/04/08	3507.22	-	18.20	0.00	3489.02
RW - 4	*08/14/08*	3507.22	-	18.28	0.00	3488.94
RW - 4	08/18/08	3507.22	-	18.25	0.00	3488.97
RW - 4	08/28/08	3507.22	-	18.22	0.00	3489.00
RW - 4	09/17/08	3507.22	-	17.95	0.00	3489.27
RW - 4	09/29/08	3507.22	-	17.96	0.00	3489.26
RW - 4	10/06/08	3507.22	-	17.97	0.00	3489.25
RW - 4	10/13/08	3507.22	-	17.92	0.00	3489.30
RW - 4	10/20/08	3507.22	-	18.10	0.00	3489.12
RW - 4	10/29/08	3507.22	-	17.77	0.00	3489.45
RW - 4	11/06/08	3507.22	-	17.81	0.00	3489.41
RW - 4	*11/12/08*	3507.22	-	17.84	0.00	3489.38
RW - 4	11/13/08	3507.22	-	17.84	0.00	3489.38
RW - 5	01/09/08	3506.91	17.46	17.86	0.40	3489.39
RW - 5	01/16/08	3506.91	17.38	17.90	0.52	3489.45
RW - 5	01/30/08	3506.91	17.40	17.81	0.41	3489.45
RW - 5	02/08/08	3506.91	17.44	17.72	0.28	3489.43
RW - 5	*02/12/08*	3506.91	17.45	17.72	0.27	3489.42
RW - 5	02/14/08	3506.91	17.43	17.68	0.25	3489.44
RW - 5	02/20/08	3506.91	17.38	17.51	0.13	3489.51
RW - 5	02/28/08	3506.91	17.40	17.55	0.15	3489.49
RW - 5	03/05/08	3506.91	17.41	17.57	0.16	3489.48
RW - 5	03/13/08	3506.91	17.41	17.57	0.16	3489.48
RW - 5	03/19/08	3506.91	17.45	17.61	0.16	3489.44
RW - 5	03/24/08	3506.91	17.37	17.51	0.14	3489.52
RW - 5	04/03/08	3506.91	17.46	17.58	0.12	3489.43
RW - 5	04/07/08	3506.91	17.36	17.45	0.09	3489.54
RW - 5	04/14/08	3506.91	17.48	17.60	0.12	3489.41
RW - 5	04/23/08	3506.91	17.34	17.52	0.18	3489.54
RW - 5	05/07/08	3506.91	17.39	17.70	0.31	3489.47
RW - 5	*05/13/08*	3506.91	17.39	17.70	0.31	3489.47
RW - 5	05/14/08	3506.91	17.37	17.51	0.14	3489.52
RW - 5	05/19/08	3506.91	17.40	17.56	0.16	3489.49
RW - 5	06/09/08	3506.91	17.64	17.92	0.28	3489.23
RW - 5	06/16/08	3506.91	17.46	17.57	0.11	3489.43
RW - 5	06/23/08	3506.91	17.89	18.35	0.46	3488.95
RW - 5	06/30/08	3506.91	17.93	18.19	0.26	3488.94
RW - 5	07/14/08	3506.91	17.95	18.18	0.23	3488.93
RW - 5	07/22/08	3506.91	18.01	18.28	0.27	3488.86
RW - 5	07/29/08	3506.91	18.03	18.09	0.06	3488.87
RW - 5	08/04/08	3506.91	18.08	18.46	0.38	3488.77
RW - 5	08/11/08	3506.91	18.11	18.45	0.34	3488.75
RW - 5	*08/14/08*	3506.91	18.04	18.39	0.35	3488.82
RW - 5	08/18/08	3506.91	18.13	18.41	0.28	3488.74

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

TNM 97- 17
LEA COUNTY, NEW MEXICO
PLAINS MARKETING, L.P.
NMOCD REFERENCE NUMBER AP-017

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	08/28/08	3506.91	18.00	18.53	0.53	3488.83
RW - 5	09/02/08	3506.91	17.89	18.34	0.45	3488.95
RW - 5	09/17/08	3506.91	17.65	18.71	1.06	3489.10
RW - 5	09/29/08	3506.91	17.75	18.45	0.70	3489.06
RW - 5	10/06/08	3506.91	17.76	18.24	0.48	3489.08
RW - 5	10/13/08	3506.91	17.82	18.10	0.28	3489.05
RW - 5	10/20/08	3506.91	17.69	17.94	0.25	3489.18
RW - 5	10/29/08	3506.91	17.03	17.95	0.92	3489.74
RW - 5	10/30/08	3506.91	17.71	17.84	0.13	3489.18
RW - 5	11/06/08	3506.91	17.67	18.00	0.33	3489.19
RW - 5	*11/12/08*	3506.91	17.63	17.85	0.22	3489.25
RW - 5	11/13/08	3506.91	17.63	17.85	0.22	3489.25
RW - 5	12/16/08	3506.91	17.65	18.00	0.35	3489.21
RW - 6	01/09/08	3507.45	18.17	18.64	0.47	3489.21
RW - 6	01/16/08	3507.45	18.12	18.74	0.62	3489.24
RW - 6	01/30/08	3507.45	18.17	18.71	0.54	3489.20
RW - 6	02/08/08	3507.45	18.22	18.64	0.42	3489.17
RW - 6	*02/12/08*	3507.45	18.23	18.49	0.26	3489.18
RW - 6	02/14/08	3507.45	18.21	18.43	0.22	3489.21
RW - 6	02/20/08	3507.45	18.14	18.32	0.18	3489.28
RW - 6	02/28/08	3507.45	18.13	18.44	0.31	3489.27
RW - 6	03/05/08	3507.45	18.16	18.39	0.23	3489.26
RW - 6	03/13/08	3507.45	18.11	18.32	0.21	3489.31
RW - 6	03/19/08	3507.45	18.15	18.36	0.21	3489.27
RW - 6	03/24/08	3507.45	18.12	18.38	0.26	3489.29
RW - 6	04/02/08	3507.45	18.12	18.31	0.19	3489.30
RW - 6	04/07/08	3507.45	18.10	18.26	0.16	3489.33
RW - 6	04/14/08	3507.45	18.09	18.33	0.24	3489.32
RW - 6	04/23/08	3507.45	18.08	18.30	0.22	3489.34
RW - 6	05/07/08	3507.45	18.08	18.41	0.33	3489.32
RW - 6	*05/13/08*	3507.45	18.08	18.41	0.33	3489.32
RW - 6	05/14/08	3507.45	18.14	18.35	0.21	3489.28
RW - 6	05/19/08	3507.45	18.14	18.33	0.19	3489.28
RW - 6	06/09/08	3507.45	18.39	18.86	0.47	3488.99
RW - 6	06/16/08	3507.45	18.12	18.32	0.20	3489.30
RW - 6	06/23/08	3507.45	18.60	18.97	0.37	3488.79
RW - 6	06/30/08	3507.45	18.67	18.98	0.31	3488.73
RW - 6	07/14/08	3507.45	18.72	18.96	0.24	3488.69
RW - 6	07/22/08	3507.45	18.78	19.05	0.27	3488.63
RW - 6	07/29/08	3507.45	18.75	19.03	0.28	3488.66
RW - 6	08/04/08	3507.45	18.89	19.17	0.28	3488.52
RW - 6	08/11/08	3507.45	18.85	19.14	0.29	3488.56
RW - 6	*08/14/08*	3507.45	18.89	19.12	0.23	3488.53
RW - 6	08/18/08	3507.45	18.91	19.17	0.26	3488.50
RW - 6	08/28/08	3507.45	18.79	19.08	0.29	3488.62
RW - 6	09/02/08	3507.45	18.75	18.96	0.21	3488.67
RW - 6	09/17/08	3507.45	18.56	19.04	0.48	3488.82
RW - 6	09/29/08	3507.45	18.54	18.91	0.37	3488.85
RW - 6	10/06/08	3507.45	18.55	18.81	0.26	3488.86
RW - 6	10/13/08	3507.45	18.57	18.80	0.23	3488.85
RW - 6	10/20/08	3507.45	18.49	18.69	0.20	3488.93
RW - 6	10/29/08	3507.45	18.49	18.74	0.25	3488.92
RW - 6	10/30/08	3507.45	18.62	18.80	0.18	3488.80
RW - 6	11/06/08	3507.45	18.48	18.70	0.22	3488.94
RW - 6	*11/12/08*	3507.45	18.42	18.62	0.20	3489.00
RW - 6	11/13/08	3507.45	18.42	18.62	0.20	3489.00
RW - 6	12/16/08	3507.45	18.46	18.84	0.38	3488.93

Elevations based on the North American Vertical Datum of 1929.

TABLE 2

2008 - CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-17
LEA COUNTY, NM
NMOCD REFERENCE NUMBER AP-017

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8015M		SW 846-8012B, 5030				
		GRO C6-C12 mg/L	DRO C12-C35 mg/L	BENZENE	TOLUENE	ETHYL-BENZENE	m, p, - XYLENES	o - XYLENE
NMOCD Regulatory Limit				**0.010**	**0.75**	**0.75**	**0.62**	
MW - 1	02/12/08			Not Sampled on Current Sample Schedule				
MW - 1	05/13/08			Not Sampled on Current Sample Schedule				
MW - 1	08/14/08			Not Sampled on Current Sample Schedule				
MW - 1	11/12/08			<0.001	<0.001	<0.001	<0.001	
MW - 2	02/12/08			Not Sampled on Current Sample Schedule				
MW - 2	05/13/08			Not Sampled on Current Sample Schedule				
MW - 2	08/14/08			Not Sampled on Current Sample Schedule				
MW - 2	11/12/08			<0.001	<0.001	<0.001	<0.001	
MW - 3	02/12/08			Not Sampled on Current Sample Schedule				
MW - 3	05/13/08			Not Sampled on Current Sample Schedule				
MW - 3	08/14/08			Not Sampled on Current Sample Schedule				
MW - 3	11/12/08			<0.001	<0.001	<0.001	<0.001	
MW - 4	02/12/08			Not Sampled Due to PSH in Well				
MW - 4	05/13/08			Not Sampled Due to PSH in Well				
MW - 4	08/14/08			Not Sampled Due to PSH in Well				
MW - 4	11/12/08	30.4	58.4	**0.8060**	0.515	0.4430	0.4920	
MW - 5	02/12/08			**0.0210**	0.0012	0.0077	0.0082	
MW - 5	05/13/08			**0.0126**	<0.001	<0.001	0.0012	
MW - 5	08/14/08			Not Sampled Due to PSH in Well				
MW - 5	11/12/08			0.0074	<0.001	<0.001	0.0033	
MW - 6	02/12/08			Not Sampled Due to PSH in Well				
MW - 6	05/13/08			Not Sampled Due to PSH in Well				
MW - 6	08/14/08			Not Sampled Due to PSH in Well				
MW - 6	11/12/08	4.54	16.2	**0.0991**	0.223	0.0810	0.1910	
MW - 7	02/12/08			Not Sampled Due to PSH in Well				
MW - 7	05/13/08			Not Sampled Due to PSH in Well				
MW - 7	08/14/08			Not Sampled Due to PSH in Well				
MW - 7	11/12/08	4.41	23.6	**0.527**	0.185	0.1390	0.1780	
MW - 8	02/12/08			Not Sampled Due to PSH in Well				
MW - 8	05/13/08			Not Sampled Due to PSH in Well				
MW - 8	08/14/08			Not Sampled Due to PSH in Well				
MW - 8	11/12/08	6.80	48.3	**0.238**	0.154	0.147	0.159	

TABLE 2

2008 - CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-17
LEA COUNTY, NM
NMOCD REFERENCE NUMBER AP-017

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8015M		SW 846-8012B, 5030				
		GRO C6-C12 mg/L	DRO C12-C35 mg/L	BENZENE	TOLUENE	ETHYL-BENZENE	m, p, - XYLENES	o - XYLENE
NMOCD Regulatory Limit				**0.010**	**0.75**	**0.75**	**0.62**	
MW - 9	02/12/08			**0.0162**	<0.001	<0.001	<0.001	
MW - 9	05/13/08			**0.0139**	<0.001	<0.001	<0.001	
MW - 9	08/14/08			**0.0137**	<0.001	<0.001	<0.001	
MW - 9	11/12/08			**0.0116**	<0.001	<0.001	<0.001	
MW - 10	02/12/08			**0.0214**	<0.005	0.0136	<0.005	
MW - 10	05/13/08			**0.0208**	<0.005	0.0067	<0.005	
MW - 10	08/14/08			**0.0291**	<0.001	<0.001	<0.001	
MW - 10	11/12/08			**0.0111**	<0.001	<0.001	<0.001	
MW - 11	02/12/08			Not Sampled on Current Sample Schedule				
MW - 11	05/13/08			Not Sampled on Current Sample Schedule				
MW - 11	08/14/08			Not Sampled on Current Sample Schedule				
MW - 11	11/12/08			<0.001	<0.001	<0.001	<0.001	
MW - 12	02/12/08			Not Sampled on Current Sample Schedule				
MW - 12	06/05/08			<0.001	<0.001	<0.001	<0.001	
MW - 12	08/14/08			Not Sampled on Current Sample Schedule				
MW - 12	11/12/08			<0.001	<0.001	<0.001	<0.001	
MW - 13	02/12/08			Not Sampled on Current Sample Schedule				
MW - 13	05/13/08			Not Sampled on Current Sample Schedule				
MW - 13	08/14/08			Not Sampled on Current Sample Schedule				
MW - 13	11/12/08			<0.001	<0.001	<0.001	<0.001	
MW - 14	02/12/08			Not Sampled Due to PSH in Well				
MW - 14	05/13/08			Not Sampled Due to PSH in Well				
MW - 14	08/14/08			Not Sampled Due to PSH in Well				
MW - 14	11/12/08	24.5	421	**0.3180**	0.136	0.3880	0.2620	
MW - 15	02/12/08			**0.1610**	<0.002	0.2410	0.0531	
MW - 15	05/13/08			Not Sampled Due to PSH in Well				
MW - 15	08/14/08			Not Sampled Due to PSH in Well				
MW - 15	11/12/08			Not Sampled Due to Insufficient Water in Well				
MW - 16	02/12/08			Not Sampled on Current Sample Schedule				
MW - 16	05/13/08			Not Sampled on Current Sample Schedule				
MW - 16	08/14/08			Not Sampled on Current Sample Schedule				
MW - 16	11/12/08			<0.001	<0.001	<0.001	<0.001	

TABLE 2

2008 - CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-17
LEA COUNTY, NM
NMOCD REFERENCE NUMBER AP-017

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8015M		SW 846-8012B, 5030				
		GRO C6-C12 mg/L	DRO C12-C35 mg/L	BENZENE	TOLUENE	ETHYL-BENZENE	m, p, - XYLENES	o - XYLENE
NMOCD Regulatory Limit				**0.010**	**0.75**	**0.75**	**0.62**	
MW - 17	02/12/08			Not Sampled on Current Sample Schedule				
MW - 17	05/13/08			Not Sampled on Current Sample Schedule				
MW - 17	08/14/08			Not Sampled on Current Sample Schedule				
MW - 17	11/12/08			<0.001	<0.001	<0.001	<0.001	
MW - 18	02/12/08			Not Sampled on Current Sample Schedule				
MW - 18	05/13/08			Not Sampled on Current Sample Schedule				
MW - 18	08/14/08			Not Sampled on Current Sample Schedule				
MW - 18	11/12/08			<0.001	<0.001	<0.001	<0.001	
MW - 19	02/12/08			Not Sampled Due to PSH in Well				
MW - 19	05/13/08			Not Sampled Due to PSH in Well				
MW - 19	08/14/08			Not Sampled Due to PSH in Well				
MW - 19	11/12/08			Not Sampled Due to Insufficient Water in Well				
MW - 20	02/12/08			**0.2010**	<0.005	0.0204	<0.005	
MW - 20	05/13/08			**0.4700**	<0.005	0.0251	<0.005	
MW - 20	08/14/08			**0.5350**	<0.005	<0.005	<0.005	
MW - 20	11/12/08			**0.3060**	<0.005	0.0177	<0.005	
MW - 21	02/12/08			0.0017	<0.001	0.0022	0.0010	
MW - 21	05/13/08			0.0024	<0.001	0.0017	<0.001	
MW - 21	08/14/08			0.0038	<0.001	0.0040	0.0072	
MW - 21	11/12/08			0.0054	<0.001	<0.001	0.0073	
MW - 22	02/12/08			Not Sampled on Current Sample Schedule				
MW - 22	05/13/08			<0.001	<0.001	<0.001	<0.001	
MW - 22	08/14/08			Not Sampled on Current Sample Schedule				
MW - 22	11/12/08			<0.001	<0.001	<0.001	<0.001	
MW - 23	02/12/08			Not Sampled on Current Sample Schedule				
MW - 23	05/13/08			<0.001	<0.001	<0.001	<0.001	
MW - 23	08/14/08			Not Sampled on Current Sample Schedule				
MW - 23	11/12/08			<0.001	<0.001	<0.001	<0.001	
MW - 24	02/12/08			Not Sampled on Current Sample Schedule				
MW - 24	05/13/08			Not Sampled on Current Sample Schedule				
MW - 24	08/14/08			Not Sampled on Current Sample Schedule				
MW - 24	11/12/08			<0.001	<0.001	<0.001	<0.001	

TABLE 2

2008 - CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-17
LEA COUNTY, NM
NMOCD REFERENCE NUMBER AP-017

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8015M		SW 846-8012B, 5030				
		GRO C6-C12 mg/L	DRO C12-C35 mg/L	BENZENE	TOLUENE	ETHYL-BENZENE	m, p, - XYLENES	o - XYLENE
NMOCD Regulatory Limit				**0.010**	**0.75**	**0.75**	**0.62**	
MW - 25	02/12/08			Not Sampled on Current Sample Schedule				
MW - 25	05/13/08			<0.001	<0.001	<0.001	<0.001	
MW - 25	08/14/08			Not Sampled on Current Sample Schedule				
MW - 25	11/12/08			<0.001	<0.001	<0.001	<0.001	
MW - 26	02/12/08			0.0047	<0.001	0.0067	0.0082	
MW - 26	05/13/08			0.0063	<0.001	0.0020	<0.001	
MW - 26	08/14/08			0.0050	<0.001	0.0022	0.0065	
MW - 26	11/12/08			0.0071	<0.001	<0.001	0.0050	
MW - 27	02/12/08			Not Sampled on Current Sample Schedule				
MW - 27	05/13/08			0.0011	<0.001	<0.001	<0.001	
MW - 27	08/14/08			Not Sampled on Current Sample Schedule				
MW - 27	11/12/08			0.0011	<0.001	<0.001	<0.001	
MW - 28	02/12/08			Not Sampled on Current Sample Schedule				
MW - 28	05/13/08			Not Sampled on Current Sample Schedule				
MW - 28	08/14/08			Not Sampled on Current Sample Schedule				
MW - 28	11/12/08			<0.001	<0.001	<0.001	<0.001	
RW - 1	02/12/08			Not Sampled Due to PSH in Well				
RW - 1	05/13/08			Not Sampled Due to PSH in Well				
RW - 1	08/14/08			Not Sampled Due to PSH in Well				
RW - 1	11/12/08	2.70	70.8	**0.2180**	0.117	0.0721	0.0853	
RW - 2	02/12/08			**0.0559**	<0.005	0.0280	0.0253	
RW - 2	05/13/08			**0.0590**	<0.005	0.0161	0.0056	
RW - 2	08/14/08			**0.0535**	<0.001	0.0169	0.0094	
RW - 2	11/12/08			**0.0521**	<0.001	0.0257	<0.010	
RW - 3	02/12/08			**0.4590**	<0.005	0.0408	0.0471	
RW - 3	05/13/08			**0.1990**	<0.005	0.0209	0.0129	
RW - 3	08/14/08			Not Sampled Due to PSH in Well				
RW - 3	11/12/08			**0.3780**	<0.010	0.0413	0.0346	
RW - 4	02/12/08			**0.4720**	<0005	0.1090	0.0866	
RW - 4	05/13/08			**0.3360**	<0.005	0.0549	0.0391	
RW - 4	08/14/08			**0.3960**	<0.005	0.0885	0.0679	
RW - 4	11/12/08			**0.3660**	<0.010	0.0777	0.0541	

TABLE 2

2008 - CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-17
LEA COUNTY, NM
NMOCD REFERENCE NUMBER AP-017

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8015M		SW 846-8012B, 5030				
		GRO C6-C12 mg/L	DRO C12-C35 mg/L	BENZENE	TOLUENE	ETHYL-BENZENE	m, p, - XYLENES	o - XYLENE
NMOCD Regulatory Limit				**0.010**	**0.75**	**0.75**	**0.62**	
RW - 5	02/12/08			Not Sampled Due to PSH in Well				
RW - 5	05/13/08			Not Sampled Due to PSH in Well				
RW - 5	08/14/08			Not Sampled Due to PSH in Well				
RW - 5	11/12/08	2.61	14.3	**0.1320**	0.148	0.1230	0.1640	
RW - 6	02/12/08			Not Sampled Due to PSH in Well				
RW - 6	05/13/08			Not Sampled Due to PSH in Well				
RW - 6	08/14/08			Not Sampled Due to PSH in Well				
RW - 6	11/12/08	4.14	13.9	**0.1060**	0.133	0.1270	0.1370	

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER - 2008

PLAINS MARKETING, L.P.
TNM 97-17
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		—	—	—	**0.0001 mg/L**	**0.0007 mg/L**	**0.0002 mg/L**	—	**0.0002 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	—	—	**0.0004 mg/L**	**0.03 mg/L**	—	—	**0.03 mg/L**		—
MW-23	11/12/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
MW-24	11/12/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-25	11/12/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
MW-26	11/12/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000312	<0.000185	<0.000185	0.000308	<0.000185	0.000204	<0.000185	0.000471
MW-27	11/12/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-28	11/12/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
RW-1	11/12/08	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	0.023	<0.0184	**0.0941**	<0.0184	<0.0184
RW-2	11/12/08	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	0.00424	<0.00184	<0.00184	0.00488	<0.00184	0.00552	<0.00184	0.00476
RW-3	11/12/08	<0.000922	<0.000922	0.000931	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.00212	<0.000922	0.000993	0.000922	<0.000922	0.00787	<0.000922	0.0021
RW-4	11/12/08	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	0.00391	<0.00184	0.00766	0.00442	<0.00184	0.0201	0.00836	0.00372
RW-5	11/12/08	<0.00184	<0.00184	0.00472	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	0.0172	0.00466	<0.00184	**0.0266**	**0.0192**	<0.00184
RW-6	11/12/08	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	0.0106	<0.00184	<0.00184	0.011	<0.00184	**0.0381**	**0.0245**	0.00901

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER - 2008

PLAINS MARKETING, L.P.
TNM 97-17
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		—	—	—	**0.0001 mg/L**	**0.0007 mg/L**	**0.0002 mg/L**	—	**0.0002 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	—	—	**0.0004 mg/L**	**0.03 mg/L**	—	—	**0.03 mg/L**		—
MW-1	11/12/08	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186
MW-2	11/12/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-3	11/12/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-4	11/12/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.00238	<0.000917	0.00682	0.00337	<0.000917	**0.015**	**0.0131**	0.00239
MW-5	11/12/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.00233	<0.000922	<0.000922	0.00189	<0.000922	0.00183	<0.000922	0.0023
MW-6	11/12/08	<0.00183	<0.00183	0.00361	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	0.00782	0.00357	<0.00183	0.0115	0.00712	<0.00183
MW-7	11/12/08	<0.00185	<0.00185	0.0059	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	0.00539	<0.00185	0.0106	0.00582	<0.00185	**0.0285**	**0.0175**	<0.00185
MW-8	11/12/08	<0.00186	<0.00186	0.00454	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	0.012	0.0045	<0.00186	**0.0261**	**0.0168**	<0.00186
MW-9	11/12/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000746	<0.000183	0.000341
MW-10	11/12/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.00344	<0.000922	<0.000922	0.00296	<0.000922	0.00477	<0.000922	<0.000922
MW-11	11/12/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER - 2008

PLAINS MARKETING, L.P.
TNM 97-17
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.					**0.0001 mg/L**	**0.0007 mg/L**	**0.0002 mg/L**		**0.0002 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**			**0.0004 mg/L**	**0.03 mg/L**			**0.03 mg/L**		
MW-12	11/12/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-13	11/12/08	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199
MW-14	11/12/08	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	0.0233	<0.0184	**0.0377**	0.0402	<0.0184	**0.147**	**0.137**	0.0289
MW-15	11/12/08	Not Sampled due to Insufficient water volume																		
MW-16	11/12/08	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193
MW-17	11/12/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
MW-18	11/12/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-19	11/12/08	Not Sampled due to Insufficient water volume																		
MW-20	11/12/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000615	<0.000185	<0.000185	0.000318	<0.000185	0.00351	<0.000185	0.000958
MW-21	11/12/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000414	<0.000184	<0.000184	0.000203	<0.000184	<0.000184	<0.000184	0.00108
MW-22	11/12/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185

APPENDICES

APPENDIX A:
Form C-141

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 South First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-141
Originated 2/13/97

Submit 2 copies to Appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action
OPERATOR
☒ Initial Report ☐ Final Report

Name	Contact
Texas-New Mexico Pipe Line Company	Edwin H. Gripp
Address	**Telephone No.**
Box 60028, San Angelo, TX 76906	(915) 947-9000
Facility Name	**Facility Type**
Vacuum Jct. to Jal Main Line	Pipe Line

Surface Owner	Mineral Owner	Lease No.
Millard Deck		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	21	20S	37E					Lea

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Sour crude	170 barrels	160 barrels
Source of Release	**Date and Hour of Occurrence**	**Date and Hour of Discovery**
8" pipeline on scraper trap bypass	Unknown	8-13-97 3:00PM CST
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom?**	
	Weldon Winsdlow	
By Whom?	**Date and Hour**	
Johnny W. Chapman	8-13-97 4:45 pm CST	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse.**	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
External Corrosion
Leak successfully clamped off.

Describe Area Affected and Cleanup Action Taken.*
Approximately 360 sq. ft. scraper trap area.
Contaminated soil was removed

Describe General Conditions Prevailing (Temperature, Precipitation, etc.).*
Clear 90°

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
Signature: E. H. Gripp

Printed Name: Edwin H. Gripp
Title: District Manager
Date: 8-14-97 Phone: 915-947-9001

OIL CONSERVATION DIVISION

Approved by District Supervisor:
Approval Date: Expiration Date:
Conditions of Approval: Attached ☐

* Attach Additional Sheets If Necessary

State Corp. Commission
Pipe Line Division

Hazardous Waste Section
NM Environmental Improvement Div.

TNM-97-17 JWC JAS