

GW - 140

REPORTS

DATE:

2006



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Report
2006

2006
ANNUAL MONITORING REPORT

TNM SPS-11

NW ¼ SE ¼ of SECTION 18, TOWNSHIP 18 SOUTH, RANGE 36 EAST
LEA COUNTY, NEW MEXICO
PLAINS EMS NUMBER: TNM-SPS-11
NMOCD Reference GW-0140

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March 2007


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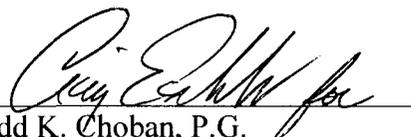

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TABLE OF CONTENTS

INTRODUCTION	1
SITE DESCRIPTION AND BACKGROUND INFORMATION	1
FIELD ACTIVITIES	2
LABORATORY RESULTS.....	3
SUMMARY	9
ANTICIPATED ACTIONS.....	10
LIMITATIONS.....	10
DISTRIBUTION.....	11

FIGURES

Figure 1 – Site Location Map

Figure 2A – Inferred Groundwater Gradient Map - March 15, 2006

2B – Inferred Groundwater Gradient Map - June 14, 2006

2C – Inferred Groundwater Gradient Map - September 13, 2006

2D – Inferred Groundwater Gradient Map - December 5-6, 2006

Figure 3A – Groundwater Concentration and Inferred PSH Extent Map - March 15, 2006

3B – Groundwater Concentration and Inferred PSH Extent Map - June 14, 2006

3C – Groundwater Concentration and Inferred PSH Extent Map - September 13, 2006

3D – Groundwater Concentration and Inferred PSH Extent Map - December 5-6, 2006

TABLES

Table 1 – 2006 Groundwater Elevation Data

Table 2 – 2006 Concentrations of BTEX in Groundwater

Table 3 – 2006 Concentrations of TPH and BTEX in Soil

APPENDICES

Appendix A – Monitor Well and Soil Boring Logs

Appendix B – Release Notification and Corrective Action (Form C-141)

ENCLOSED ON DATA DISK

2006 Annual Monitoring Report

2006 Tables 1 and 2 - Groundwater Elevation and BTEX Concentration Data

2006 Figures 1, 2A-2B, and 3A-3B

Boring Logs and Monitor Well Details

Electronic Copies of Laboratory Reports

Historic Groundwater Elevation Tables

Historic BTEX Concentration Tables

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 SPS-11 site (the site), which was formerly the responsibility of Texas New Mexico Pipeline Company (TNM) and EOTT Energy Corporation (EOTT) which became Link Energy, is now the responsibility of Plains. This report is intended to be viewed as a complete document with text, figures, tables and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2006 only. However, historical data tables as well as 2006 laboratory analytical reports are included on the enclosed data disk. Historic information prior to August 19, 1999 does not appear on the enclosed data disk because this data is unavailable. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2006 to assess the extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitor event consisted of measuring static water levels in the monitor wells, checking for the presence of PSH on the water column and the purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The site is located approximately 15 miles west of the town of Hobbs, New Mexico in the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 18, Township 18 South, Range 36 East. Observations in the field indicate the surface topography in the area of the site to be nearly flat. Ground cover consists of low grasses with few mesquite bushes. The predominant land usage is in the production of oil and gas and as livestock pasture.

According to the Site Investigation and Remedial Action Plan prepared by TNM and dated January 25, 1993, water from a utility well (SPS-11) belonging to Southwestern Public Service Company (SPS) was sampled on April 2, 1991. The analytical results indicated benzene concentrations were above the Environmental Protection Agency (EPA) drinking water standards. The water well was taken out of service in April 1991. A TNM pipeline adjacent to the water well was identified and a hydrocarbon surface stain was observed in the vicinity of utility well SPS-11. The staining was reportedly the result of a pipeline release prior to 1975. No detailed information from the previous pipeline owners or consultants with respect to the release date, volume of crude oil released, or pipeline repair is available, at this time. The Release Notification and Corrective Action (Form C-141) is provided as Appendix B.

Initial site investigation actions were performed for TNM and EOTT by previous consultants. A total of twenty-five (25) soil borings/groundwater monitoring wells (MW-1 through MW-25) were installed prior to October 1999 and six (6) monitor wells were installed between May 2000

and December 2001, to further delineate the down gradient extent of impact at the site. Two (2) additional monitor wells (MW-32 and MW-33) were installed in 2004.

In March 2006, one (1) soil boring (SB-106) was advanced and two (2) monitor wells (MW-34 and MW-35) were installed. In September 2006, one (1) soil boring (SB-206) was advanced and three (3) additional monitor wells (MW-36, MW-37, and MW-38) were installed. Analytical results of the soil samples collected during the installation of the monitor wells and the advancement of the soil boring, during the 2006 reporting period are provided in Table 3, Concentrations of TPH and BTEX in Soil. Boring logs and monitor well details are provided in Appendix A.

Of the thirty-eight (38) monitor wells installed at the site since project inception, data on two (2) monitor wells (MW-5 and MW-8) could not be located in the available historic data. Monitor wells MW-20, MW-22, and MW-27 were plugged and abandoned September 14, 2005 after review of relevance and approval from the NMOCD.

There are currently thirty three (33) monitor wells on site.

FIELD ACTIVITIES

Based on gauging data collected during the reporting period, a measurable thickness of PSH was detected in monitor well MW-1 only. PSH thicknesses ranged from a 0.01 to 1.0 feet during the reporting period, with an average of 0.30 feet. In comparison, the average thickness during the 2005 reporting period was 0.45 feet. A maximum PSH thickness of 1.0 feet was recorded on March 31, 2006 and is shown on Table 1. PSH recovery is performed on a weekly schedule by manual recovery methods.

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 correspondences dated June 22, 2005 and May 2, 2006.

NMOCD Approved Sampling Schedule					
MW-1	Quarterly	MW-14	Quarterly	MW-27	Plugged and Abandoned
MW-2	Annually	MW-15	Quarterly	MW-28	Quarterly
MW-3	Annually	MW-16	Quarterly	MW-29	Quarterly
MW-4	Quarterly	MW-17	Quarterly	MW-30	Annually
MW-5	-	MW-18	Semi-Annually	MW-31	Annually
MW-6	Quarterly	MW-19	Annually	MW-32	Quarterly
MW-7	Quarterly	MW-20	Plugged and Abandoned	MW-33	Quarterly
MW-8	-	MW-21	Annually	MW-34	Quarterly
MW-9	Quarterly	MW-22	Plugged and Abandoned	MW-35	Quarterly
MW-10	Quarterly	MW-23	Quarterly	MW-36	Quarterly
MW-11	Quarterly	MW-24	Quarterly	MW-37	Quarterly
MW-12	Quarterly	MW-25	Annually	MW-38	Quarterly
MW-13	Annually	MW-26	Quarterly		

The site monitor wells were gauged and sampled on March 15, June 14, September 13, and December 5-6, 2006. During each sampling event, monitor wells were purged of approximately three well volumes of water or until the wells failed to produce water. Purging was performed using disposable polyethylene bailer for each well or electrical Grundfos pump and dedicated tubing. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were collected 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 by Key Energy utilizing a licensed disposal facility (NMOCD AO SWD-730).

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during quarterly sampling events performed in 2006, are depicted on Figures 2A through 2D, the Inferred Groundwater Gradient Maps. Groundwater elevation data for 2006 is provided as Table 1. Historic groundwater elevation data beginning August 19, 1999 is provided on the enclosed data disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.0039 feet/foot to the southeast as measured between monitor wells MW-3 and MW-33. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3,795.12 and 3,806.60 feet above mean sea level, in monitor well MW-1 on December 6, 2006 and in monitor well MW-25 on March 15, 2006, respectively. PSH data for the 2006 gauging events can be found in Table 1 and on Figures 3A through 3D.

LABORATORY RESULTS

Monitor well MW-1 contained PSH during all four (4) quarters of the 2006 reporting period and was not sampled.

Groundwater samples obtained during the each quarterly monitoring event were delivered to TraceAnalysis, Inc. in Lubbock, Texas for analysis of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021b. BTEX constituent concentrations for 2006 are summarized in Table 2. Copies of the laboratory reports for 2006 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 monitored on a quarterly schedule. Monitor well MW-1 was not sampled during any of the four (4) quarters of the reporting period, due to the presence of PSH in the recovery well. PSH thicknesses of 0.91 feet, 0.09 feet, 0.42 feet, and 0.14 feet were reported during the 1st, 2nd, 3rd and 4th quarter of 2006, respectively.

Monitor well MW-2 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below 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 mg/L for xylene, for each BTEX constituent during the 4th quarter sampling event.

Monitor well MW-3 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standard for each BTEX constituent during the 4th quarter sampling event.

Monitor well MW-4 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.0449 mg/L during the 3rd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during the 2nd and 3rd quarters of the reporting period. Toluene concentrations were below laboratory method detection limits (MDL) and NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 1st, 2nd and 4th quarters to 0.007 mg/L during the 3rd quarter of 2006. Ethylbenzene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations were below MDL and NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-6 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 1st, 2nd and 4th quarters to 2.69 mg/L during the 3rd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during the 3rd quarter of the reporting period. Toluene concentrations were below MDL and NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 1st, 2nd and 4th quarters to 0.236 mg/L during the 3rd quarter of 2006. Ethylbenzene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations were below MDL and NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-7 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.583 mg/L during the 4th quarter to 1.48 mg/L during the 1st quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during all four (4) quarters of the reporting period. Toluene concentrations were below MDL and NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.457 mg/L during the 4th quarter to 1.08 mg/L during the 1st quarter of 2006. Ethylbenzene concentrations were above NMOCD regulatory standards during the 1st quarter of the reporting period. Xylene concentrations ranged from <0.02 mg/L during the 3rd quarter to 0.152 mg/L during the 1st quarter of 2006. Xylene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-9 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 3rd quarter to 3.13 mg/L during the 2nd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during the 1st, 2nd, and 4th quarters of the reporting period. Toluene concentrations ranged from <0.001 mg/L during the 3rd quarter to 0.0354 mg/L during the 4th quarter of 2006. Toluene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 3rd quarter to 0.52 mg/L during the 1st quarter of 2006. Ethylbenzene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 3rd quarter to 0.0406 mg/L during the 4th quarter of 2006.

Xylene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-10 is currently sampled on a NMOCD approved quarterly schedule (in reporting year 2005 and 1st quarter 2006, MW-10 was previously on an NMOCD approved semi-annual schedule). Analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 3rd and 4th quarters to 0.0014 mg/L during the 2nd quarter of 2006. Benzene concentrations were below the NMOCD regulatory standards during the 2nd, 3rd and 4th quarters of the reporting period. Toluene concentrations were below MDL and NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 3rd and 4th quarters to 0.0057 mg/L during the 2nd quarter of 2006. Ethylbenzene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 3rd quarter to 0.0406 mg/L during the 4th quarter of 2006. Xylene concentrations were below MDL and NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-11 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.672 mg/L during the 4th quarter to 1.130 mg/L during the 2nd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during all four (4) quarters of the reporting period. Toluene concentrations were below MDL and NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.161 mg/L during the 4th quarter to 0.425 mg/L during the 2nd quarter of 2006. Ethylbenzene concentrations were below the NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations ranged from <0.02 mg/L during the 1st and 3rd quarters to 0.0505 mg/L during the 2nd quarter of 2006. Xylene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-12 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0037 mg/L during the 4th quarter to 0.0297 mg/L during the 1st quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during the 1st, 2nd, and 3rd 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 3rd quarter of 2006. Toluene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.171 mg/L during the 1st quarter of 2006. Ethylbenzene concentrations were below the NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.0026 mg/L during the 3rd quarter of 2006. Xylene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-13 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standard for each BTEX constituent during the 4th quarter sampling event.

Monitor well MW-14 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 3.66 mg/L during the 1st quarter to 4.96 mg/L during the 3rd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during all four (4) quarters of the reporting period. Toluene concentrations were below MDL and NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.960 mg/L during the 1st quarter to 1.210 mg/L during the 3rd quarter of 2006. Ethylbenzene concentrations were above the NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations were below MDL and NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-15 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standard for each BTEX constituent during all four (4) quarters of the reporting period.

Monitor well MW-16 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.025 mg/L during the 4th quarter to 0.193 mg/L during the 1st quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during all four (4) quarters of the reporting period. Toluene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.113 mg/L during the 1st quarter of 2006. Toluene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0063 mg/L during the 4th quarter to 0.065 mg/L during the 1st quarter of 2006. Ethylbenzene concentrations were below the NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.0013 mg/L during the 4th quarter to 0.0347 mg/L during the 1st quarter of 2006. Xylene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-17 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0086 mg/L during the 4th quarter to 0.0224 mg/L during the 2nd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during the 1st, 2nd, and 3rd quarters of the reporting period. Toluene concentrations ranged from 0.0047 mg/L during the 4th quarter to 0.0158 mg/L during the 1st quarter of 2006. Toluene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.002 mg/L during the 4th quarter to 0.0077 mg/L during the 1st quarter of 2006. Ethylbenzene concentrations were below the NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.0048 mg/L during the 4th quarter to 0.0137 mg/L during the 2nd quarter of 2006. Xylene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-18 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standard for each BTEX constituent during the 2nd and 4th quarter sampling events.

Monitor well MW-19 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standard for each

BTEX constituent during the 4th quarter of the reporting period, with the exception the xylene constituent which exhibited a concentration of 0.0024 mg/L, this concentration is below the NMOCD regulatory standards.

Monitor well MW-21 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standard for each BTEX constituent during the 4th quarter sampling event.

Monitor well MW-23 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standard for each BTEX constituent during all four (4) quarters of the reporting period.

Monitor well MW-24 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.105 mg/L during the 4th quarter to 0.339 mg/L during the 2nd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during all four (4) quarters of the reporting period. Toluene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.0215 mg/L during the 2nd quarter of 2006. Toluene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0023 mg/L during the 4th quarter to 0.0261 mg/L during the 2nd quarter of 2006. Ethylbenzene concentrations were below the NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.022 mg/L during the 2nd quarter of 2006. Ethylbenzene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-25 is sampled on an annual schedule and analytical results indicate benzene concentrations were below MDL and the NMOCD regulatory standard during the 4th quarter of the reporting period. The 4th quarter toluene concentration was 0.0016 mg/L, this concentration is below the NMOCD regulatory standards. The 4th quarter ethylbenzene concentration was below MDL and the NMOCD regulatory standards. The 4th quarter xylene concentration was 0.0017 mg/L, this concentration is below the NMOCD regulatory standards.

Monitor well MW-26 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.014 mg/L during the 3rd quarter to 0.73 mg/L during the 1st quarter of 2006. Benzene concentrations were above NMOCD regulatory standards all four (4) quarters of the reporting period. Toluene concentrations ranged from <0.01 mg/L during the 3rd quarter to 0.464 mg/L during the 1st quarter of 2006. Toluene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from <0.01 mg/L during the 3rd quarter to 0.27 mg/L during the 1st quarter of 2006. Ethylbenzene concentrations were below the NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations ranged from <0.01 mg/L during the 3rd quarter to 0.223 mg/L during the 1st quarter of 2006. Xylene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-28 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 1.820 mg/L during the 3rd quarter to 3.090 mg/L during the 2nd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during all

four (4) quarters of the reporting period. Toluene concentrations were below MDL and NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.165 mg/L during the 3rd quarter to 0.589 mg/L during the 2nd quarter of 2006. Ethylbenzene concentrations were below the NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations ranged from <0.05 mg/L during the 3rd quarter to 0.16 mg/L during the 2nd quarter of 2006. Xylene concentrations were below the NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-29 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 1.300 mg/L during the 4th quarter to 1.690 mg/L during the 2nd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during all four (4) quarters of the reporting period. Toluene concentrations were below MDL and NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.02 mg/L during the 2nd and 3rd quarters to 0.0161 mg/L during the 4th quarter of 2006. Ethylbenzene concentrations were below the NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations were below the NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-31 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standard for each BTEX constituent during the 4th quarter sampling event.

Monitor well MW-32 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 3.14 mg/L during the 4th quarter to 5.14 mg/L during the 1st quarter of 2006. Benzene concentrations were above NMOCD regulatory standards all four (4) quarters of the reporting period. Toluene concentrations ranged from <0.02 mg/L during the 1st quarter to 0.0592 mg/L during the 3rd quarter of 2006. Toluene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0521 mg/L during the 4th quarter to 0.586 mg/L during the 1st quarter of 2006. Ethylbenzene concentrations were below the NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations ranged from <0.2 mg/L during the 1st and 2nd quarters to 0.0428 mg/L during the 4th quarter of 2006. Xylene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-33 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standard for each BTEX constituent during all four (4) quarters of the reporting period.

Monitor well MW-34 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0847 mg/L during the 1st quarter to 0.733 mg/L during the 3rd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards all four (4) quarters of the reporting period. Toluene, ethylbenzene and xylene concentrations were below MDL and the NMOCD regulatory standard for each BTEX constituent during all four (4) quarters of the reporting period.

Monitor well MW-35 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.168 mg/L during the 4th quarter to 0.685 mg/L during the 3rd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards all four (4) quarters of the reporting period. Toluene concentrations ranged from <0.01 mg/L during the 3rd quarter to 0.667 mg/L during the 1st quarter of 2006. Toluene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.04 mg/L during the 4th quarter to 0.154 mg/L during the 1st quarter of 2006. Ethylbenzene concentrations were below the NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.0421 mg/L during the 4th quarter to 0.186 mg/L during the 1st quarter of 2006. Xylene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period.

Monitor well MW-36 (installed September 2006) is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.593 mg/L during the 3rd quarter to 1.12 mg/L during the 4th quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during the 3rd and 4th quarters of the reporting period. Toluene and ethylbenzene concentrations were below MDL and the NMOCD regulatory standard for each BTEX constituent during the 3rd and 4th quarters of the reporting period. Xylene concentrations ranged from <0.01 mg/L during the 4th quarter to 0.102 mg/L during the 3rd quarter of 2006. Xylene concentrations were below NMOCD regulatory standards during the 3rd and 4th quarters of the reporting period.

Monitor well MW-37 (installed September 2006) is sampled on a quarterly schedule and analytical results indicate benzene concentrations were below MDL and the NMOCD regulatory standard for each BTEX constituent during the 3rd and 4th quarters of the reporting period.

Monitor well MW-38 (installed September 2006) is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standard for each BTEX constituent during the 3rd and 4th quarters of the reporting period.

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 during the annual reporting period of 2006. Currently, there are thirty three (33) groundwater monitor wells (MW-1 through MW-38, excluding MW-5, MW-8, MW-20, MW-22, and MW-27) on site. The most recent Groundwater Gradient Map indicates a general gradient of approximately 0.0039 feet/foot to the southeast.

During the reporting period, a measurable thickness of PSH was detected in monitor well MW-1. PSH thicknesses ranged from a 0.01 to 1.0 feet during the 2006 reporting period, with an average of 0.30 feet. In comparison, the average thickness during the 2005 reporting period was 0.45 feet.

A maximum PSH thickness of 1.0 feet was recorded on March 31, 2006 PSH recovery is performed on a weekly schedule by manual recovery methods.

Review of laboratory analytical results of groundwater samples collected during the 2006 reporting period, indicates BTEX constituent concentrations are below NMOCD regulatory standards in fifteen (15) on site monitor wells. PSH thicknesses observed in monitor well MW-1 have decreased from the levels observed during the 2005 reporting period.

ANTICIPATED ACTIONS

Groundwater monitoring and weekly PSH recovery will continue in 2007. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2008.

The need for additional down gradient horizontal site delineation will likely require the installation of additional monitor wells east of monitor well MW-11 and east of the monitor well MW-34 / MW-36 area.

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.

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Houston, TX 77002
jpdann@paalp.com
- Copy 5: Barry Andrews
Excel Energy
P.O. Box 1650
Hobbs, New Mexico 88241
- Copy 6: NOVA Safety and Environmental
2057 Commerce Street
Midland, TX 79703
cstanley@novatraining.cc

FIGURES



NOVA Safety and Environmental

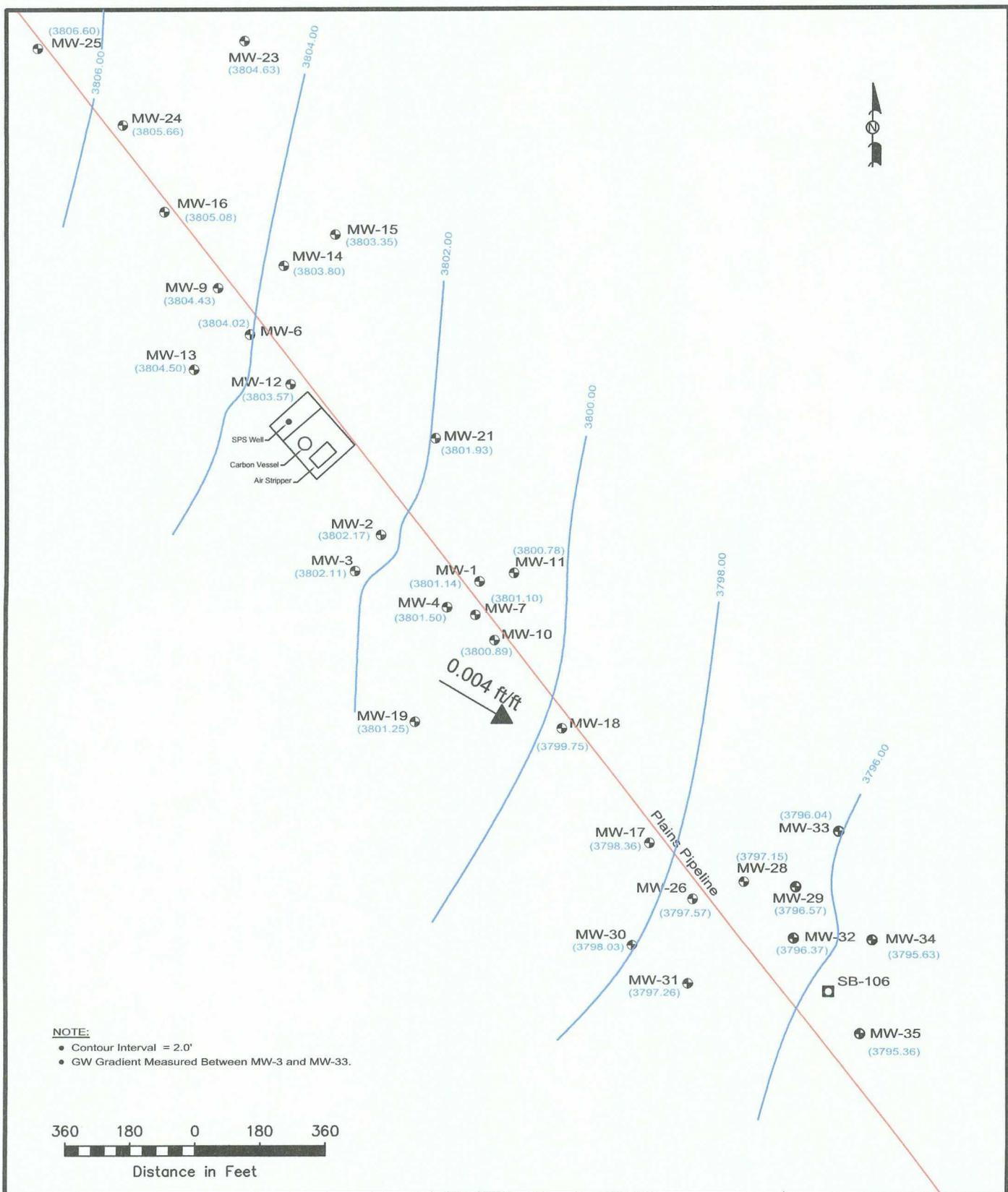
Figure 1
Site Location Map

Scale: NTS
 February 20, 2005
 NW 1/4 SE 1/4 Sec 18 T8S R8E
 Lat: N32° 44' 50.3" Long: W103° 23' 36.5"



Plains Marketing, L.P.
 SPS-11
 Lea County, NM

Prep By: CDS
 Checked By: TKC
 February 20, 2005



LEGEND:

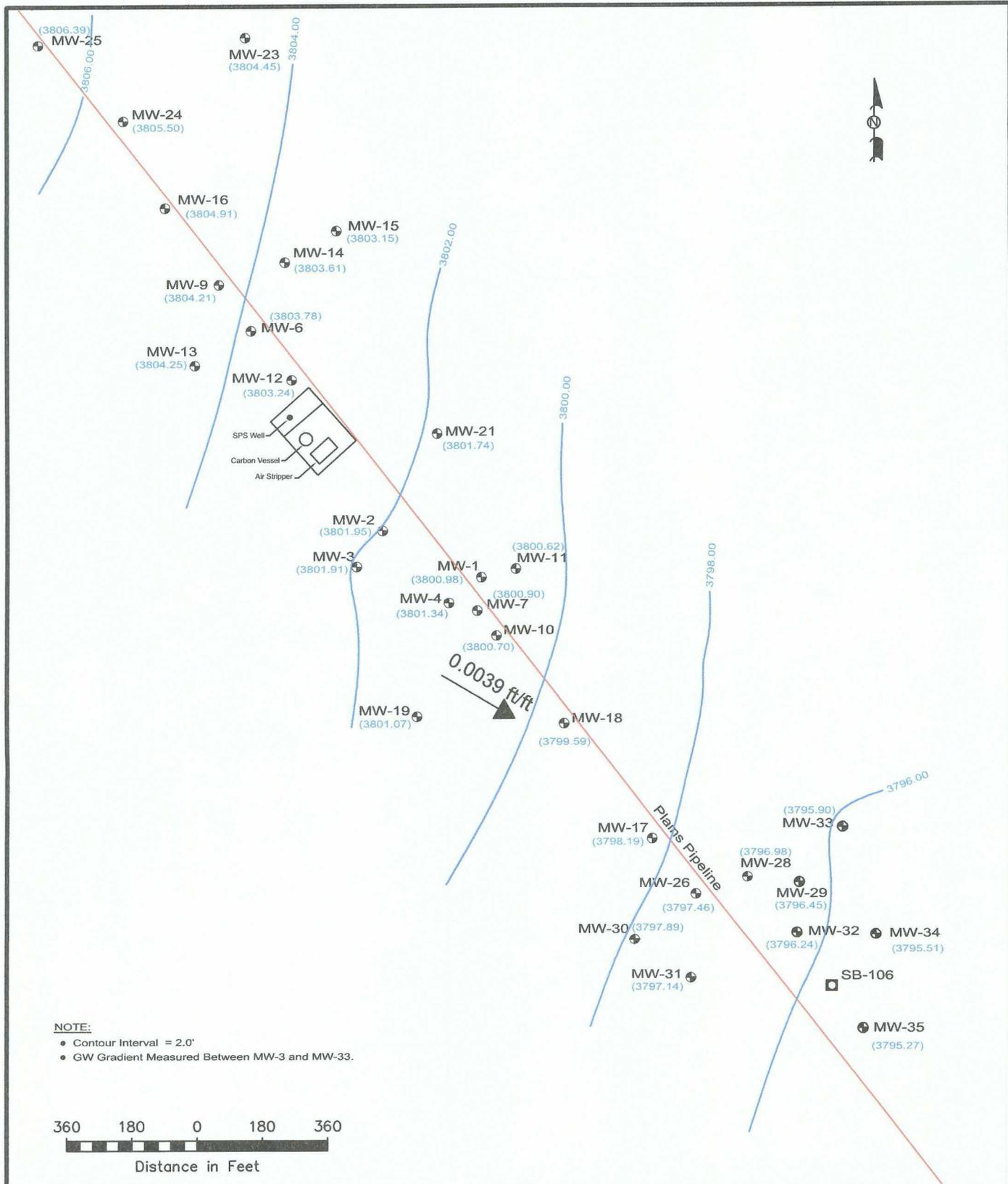
- ⊕ Monitor Well Location
- Soil Boring Location
- Pipeline
- Groundwater Gradient Contour Line
- Groundwater Elevation (feet)
- 0.001 ft/ft Groundwater Gradient and Magnitude

Figure 2A
 Inferred Groundwater
 Gradient Map
 (03/15/06)
 Plains Marketing, L.P.
 TNM SPS-11
 Lea County, NM

NOVA Safety and Environmental

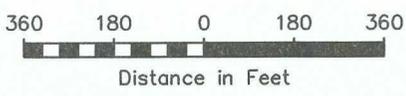
NOVA
 safety and environmental

Scale: 1" = 360'	CAD By: DGC	Checked By: CDS
July 24, 2006	NW1/4 SE1/4 Sec 18 T18S R36E	
Lat. N32° 44' 50.3" Long. W103° 23' 38.5"		



NOTE:

- Contour Interval = 2.0'
- GW Gradient Measured Between MW-3 and MW-33.

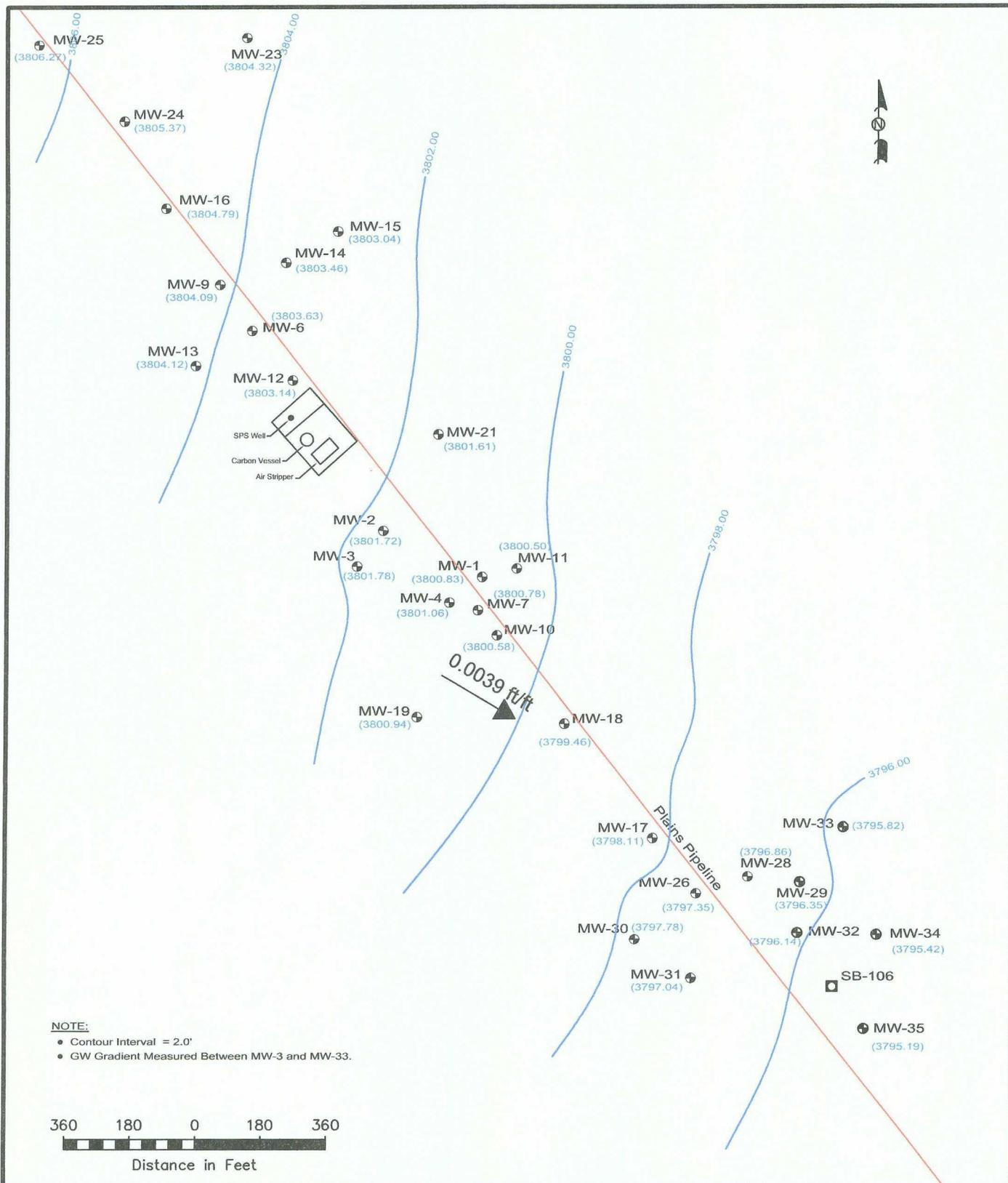


	Monitor Well Location
	Soil Boring Location
	Pipeline
	Groundwater Gradient Contour Line
	Groundwater Elevation (feet)
	Groundwater Gradient and Magnitude

Figure 2B
 Inferred Groundwater
 Gradient Map
 (06/14/06)
 Plains Marketing, L.P.
 TNM SPS-11
 Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 360'	CAD By: DGC	Checked By: CDS
July 24, 2006	NW1/4 SE1/4 Sec 18 T18S R36E	
Lat. N32° 44' 50.3" Long. W103° 23' 38.5"		



LEGEND:

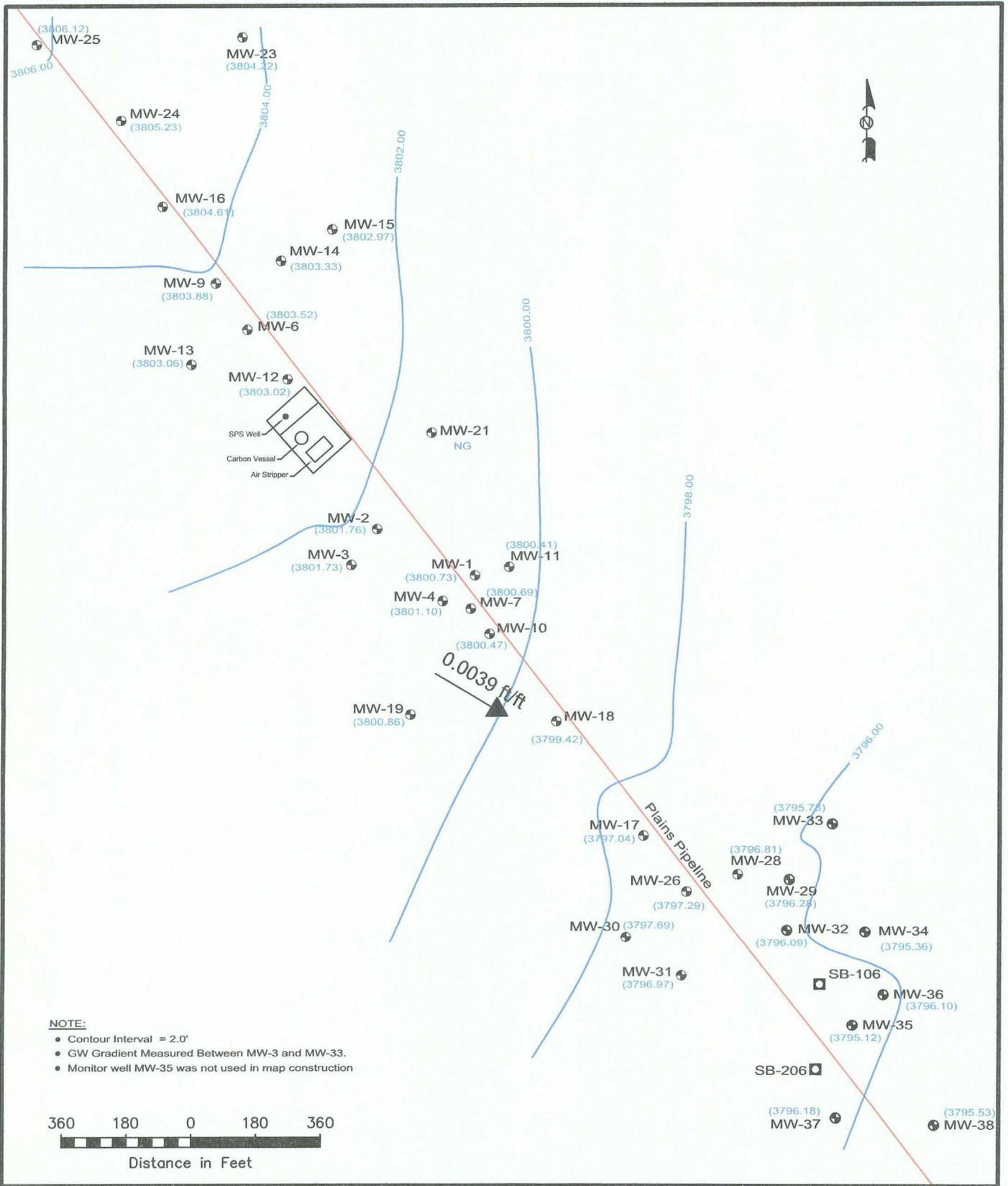
- Monitor Well Location
- Soil Boring Location
- Pipeline
- Groundwater Gradient Contour Line
- (3801.46) Groundwater Elevation (feet)
- 0.001 ft/ft Groundwater Gradient and Magnitude

Figure 2C
 Inferred Groundwater
 Gradient Map
 (09/13/06)
 Plains Marketing, L.P.
 TNM SPS-11
 Lea County, NM

NOVA Safety and Environmental

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 safety and environmental

Scale: 1" = 360'	CAD By: DGC	Checked By: CDS
March 23, 2006	NW1/4 SE1/4 Sec 18 T18S R36E	
Lat. N32° 44' 50.3" Long. W103° 23' 38.5"		



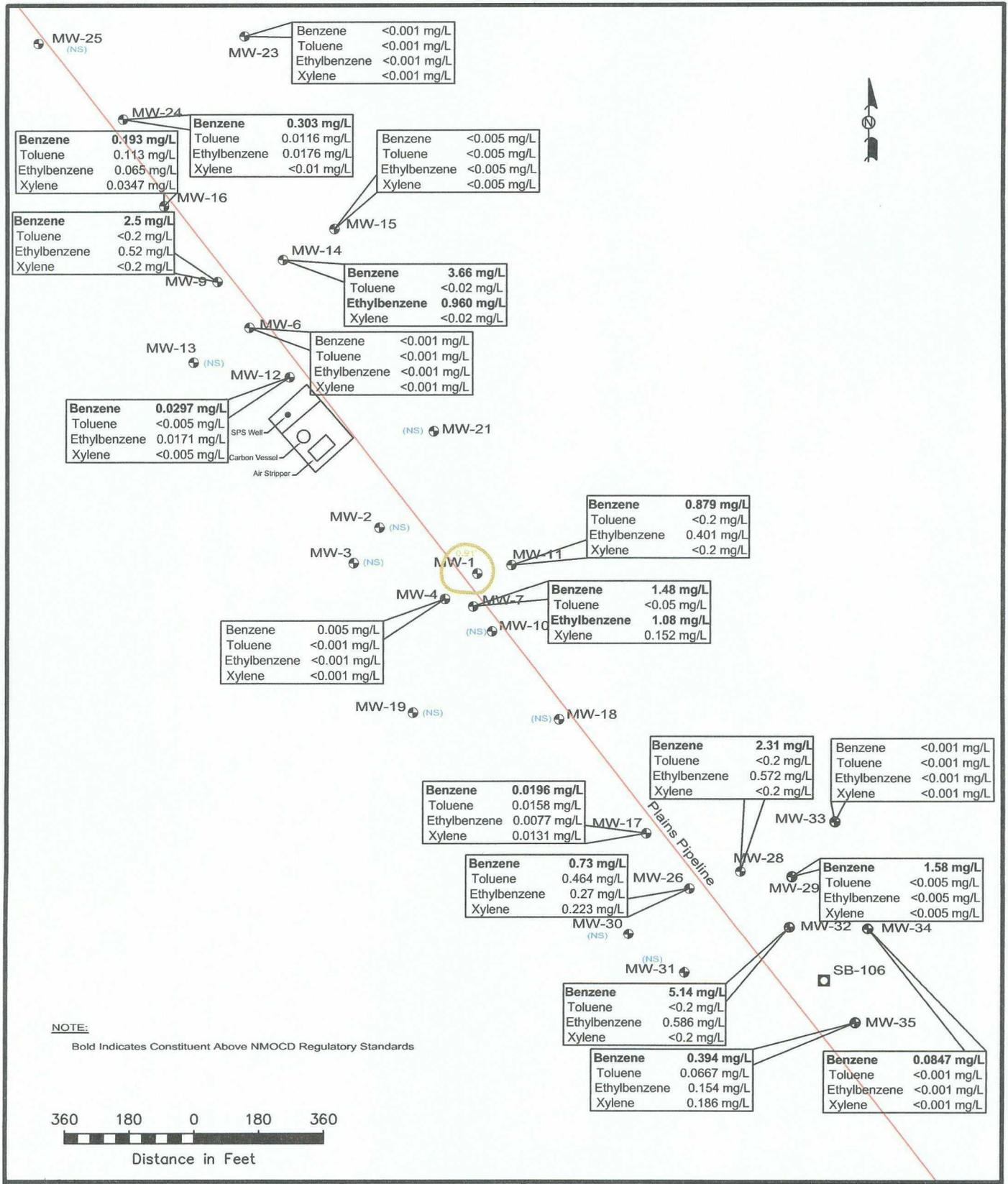
LEGEND:

- ⊕ Monitor Well Location
- Soil Boring Location
- Pipeline
- Groundwater Gradient Contour Line
- (3801.46) Groundwater Elevation (feet)
- 0.001 ft/ft Groundwater Gradient and Magnitude

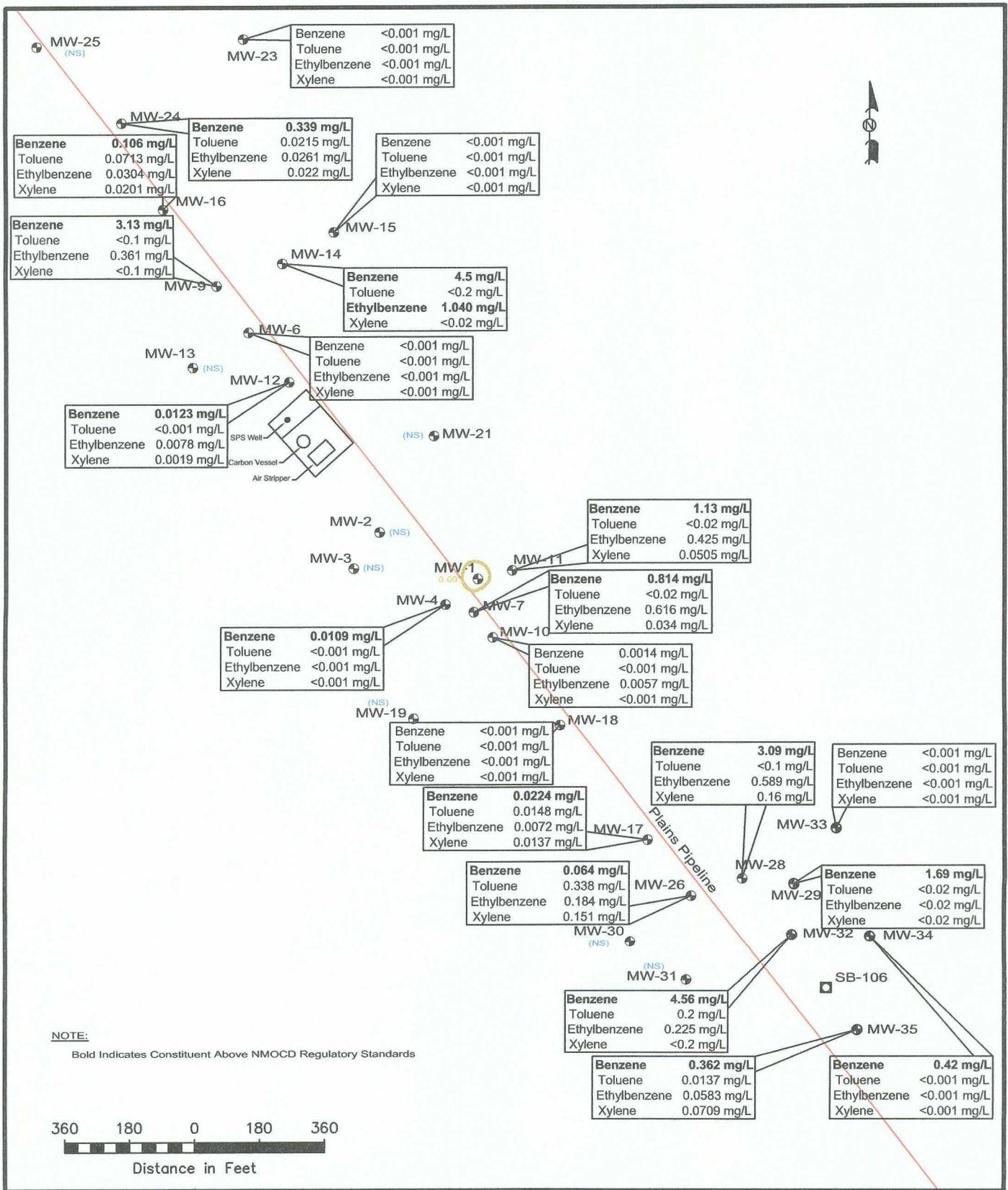
Figure 2D
 Inferred Groundwater
 Gradient Map
 (12/05-06/06)
 Plains Marketing, L.P.
 TNM SPS-11
 Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 360' CAD By: DGC Checked By: CDS
 January 9, 2006 NW1/4 SE1/4 Sec 18 T18S R36E
 Lat. N32° 44' 50.3" Long. W103° 23' 38.5"



Legend: Monitoring Well Location Soil Boring Location Pipeline Inferred PSH Extent <0.001 Constituent Concentration (mg/L) 6.51' PSH Thickness (Feet)	Figure 3A Groundwater Concentration and Inferred PSH Extent Map (03/15/06) Plains Marketing, L.P. TNM SPS-11 Lea County, NM	NOVA safety and environmental	
		Scale: 1" = 360' July 24, 2006	CAD By: DGC NW1/4 SE1/4 Sec 18 T18S R36E



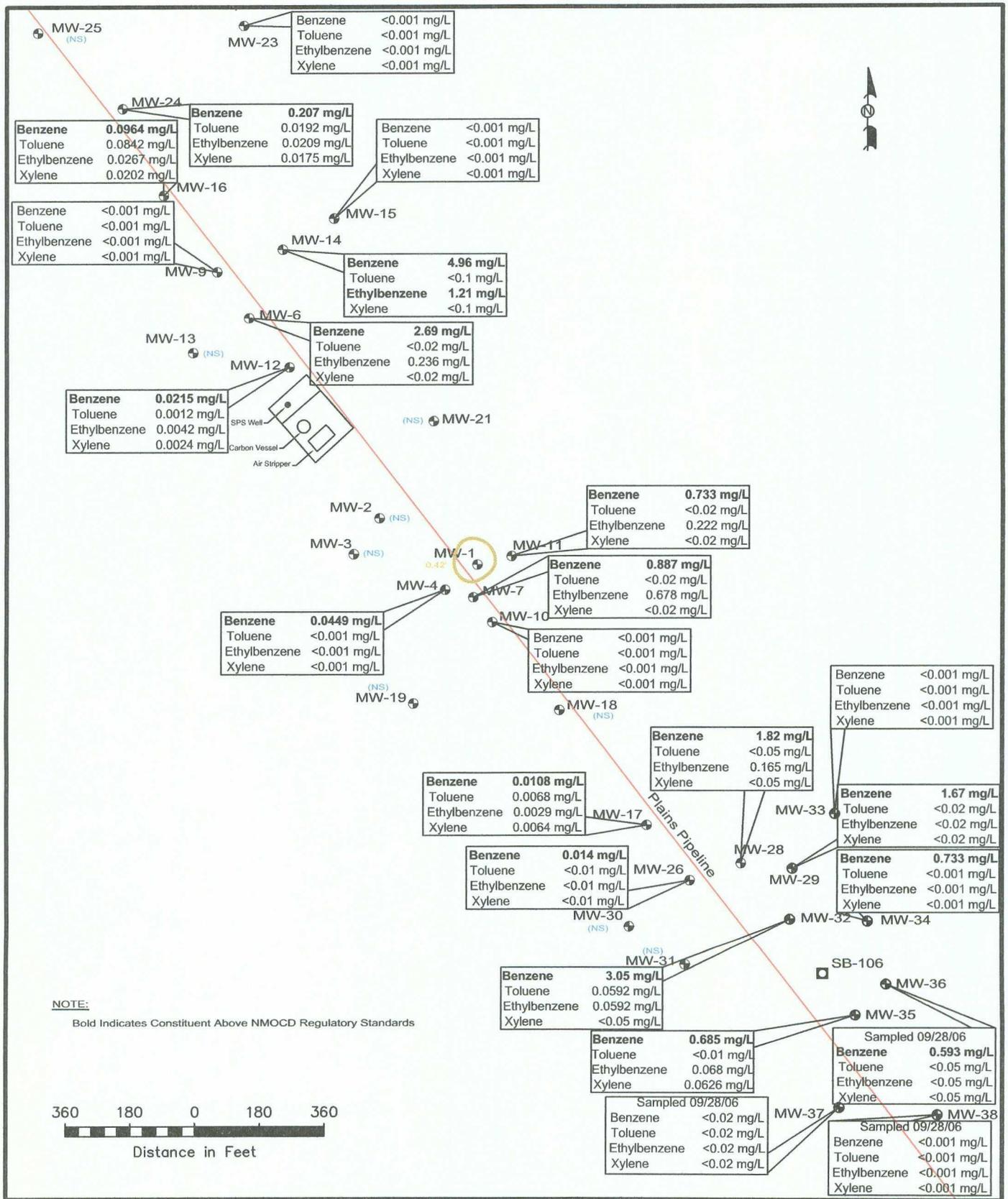
Legend:

- Monitoring Well Location (NS) Not Sampled
- Soil Boring Location
- Pipeline
- Inferred PSH Extent
- <0.001 Constituent Concentration (mg/L)
- 0.61' PSH Thickness (Feet)

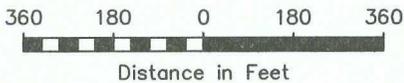
Figure 3B
Groundwater Concentration and Inferred PSH Extent Map (06/14/06)
Plains Marketing, L.P.
TNM SPS-11
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 360'
CAD By: DGC
Checked By: CDS
July 24, 2006
NW1/4 SE1/4 Sec 18 T18S R36E
Lat. N32° 44' 50.3" Long. W103° 23' 38.5"



NOTE:
Bold Indicates Constituent Above NMOC Regulatory Standards



Legend:

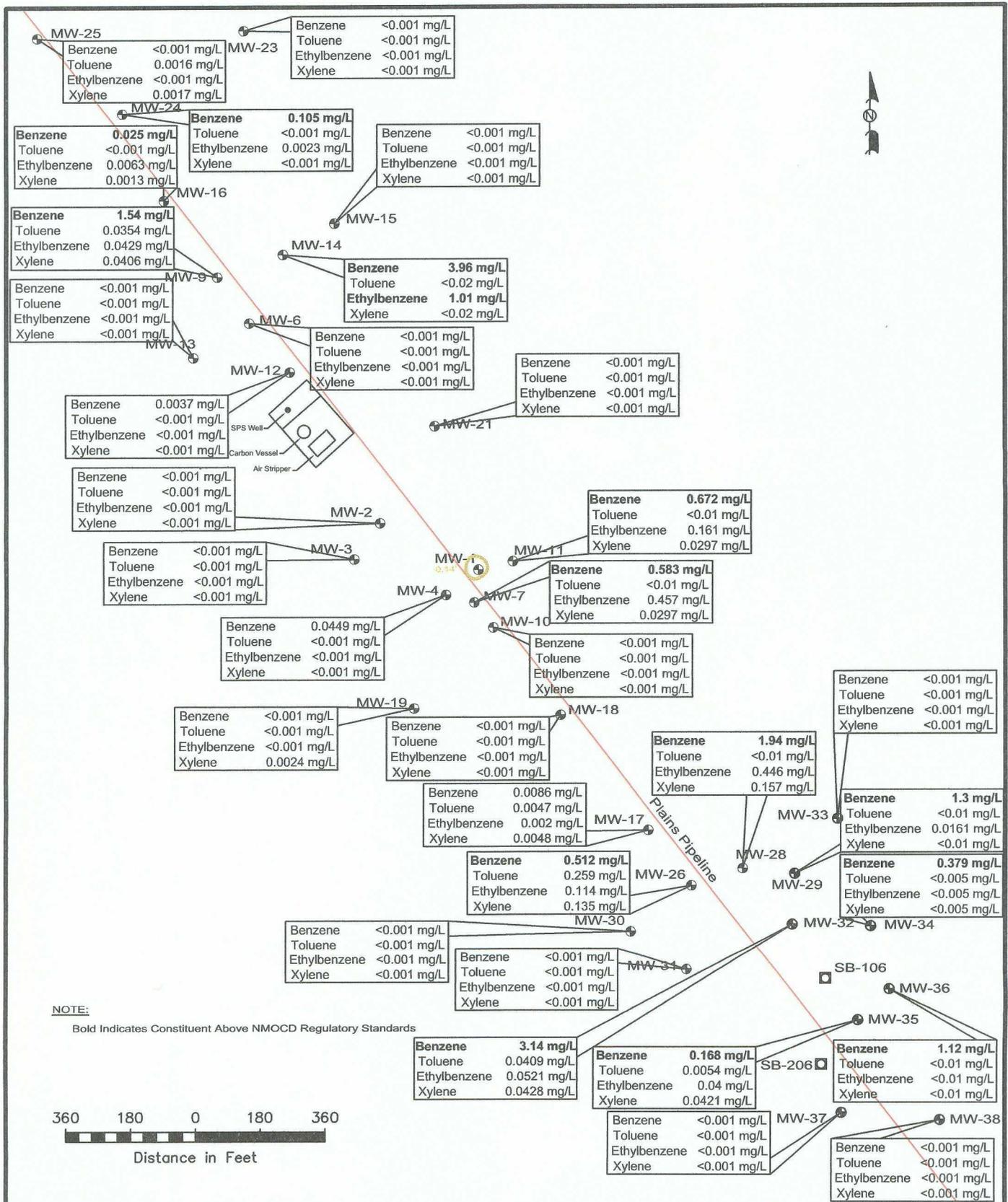
- Monitoring Well Location
- Soil Boring Location
- Pipeline
- Inferred PSH Extent
- <0.001 Constituent Concentration (mg/L)
- 0.01' PSH Thickness (Feet)
- (NS) Not Sampled

Figure 3C
Groundwater Concentration and Inferred PSH Extent Map (09/13/06)
Plains Marketing, L.P.
TNM SPS-11
Lea County, NM



NOVA Safety and Environmental

Scale: 1" = 360'	CAD By: DGC	Checked By: CDS
February 1, 2007	NW1/4 SE1/4 Sec 18 T18S R36E	
Lat. N32° 44' 50.3" Long. W103° 23' 38.5"		



Legend:

- Monitoring Well Location (NS) Not Sampled
- Soil Boring Location
- Pipeline
- Inferred PSH Extent
- <0.001 Constituent Concentration (mg/L)
- 0.01' PSH Thickness (Feet)

Figure 3D
 Groundwater Concentration and Inferred PSH Extent Map (12/05-06/06)
 Plains Marketing, L.P.
 TNM SPS-11
 Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 360' CAD By: DGC Checked By: CDS
 February 2, 2007 NW1/4 SE1/4 Sec 18 T18S R36E
 Lat. N32° 44' 50.3" Long. W103° 23' 38.5"

TABLES

TABLE 1

2006 GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.

SPS - 11
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-1	01/13/06	3859.08	57.73	58.51	0.78	3801.23
	01/27/06	3859.08	57.80	58.35	0.55	3801.20
	02/24/06	3859.08	57.83	58.60	0.77	3801.13
	03/08/06	3859.08	57.86	58.51	0.65	3801.12
	03/15/06	3859.08	57.80	58.71	0.91	3801.14
	03/24/06	3859.08	57.80	58.64	0.84	3801.15
	03/31/06	3859.08	57.85	58.85	1.00	3801.08
	05/04/06	3859.08	57.93	58.69	0.76	3801.04
	05/09/06	3859.08	58.01	58.21	0.20	3801.04
	05/10/06	3859.08	58.03	58.12	0.09	3801.04
	05/15/06	3859.08	58.08	58.17	0.09	3800.99
	05/17/06	3859.08	58.05	58.11	0.06	3801.02
	05/24/06	3859.08	58.09	58.11	0.02	3800.99
	05/31/06	3859.08	58.07	58.23	0.16	3800.99
	06/02/06	3859.08	58.08	58.13	0.05	3800.99
	06/05/06	3859.08	58.08	58.17	0.09	3800.99
	06/12/06	3859.08	58.08	58.26	0.18	3800.97
	06/14/06	3859.08	58.09	58.18	0.09	3800.98
	06/15/06	3859.08	58.10	58.21	0.11	3800.96
	06/19/06	3859.08	58.10	58.23	0.13	3800.96
	07/10/06	3859.08	58.11	58.44	0.33	3800.92
	07/12/06	3859.08	58.14	58.29	0.15	3800.92
	07/14/06	3859.08	58.12	58.38	0.26	3800.92
	07/20/06	3859.08	58.02	58.33	0.31	3801.01
	07/31/06	3859.08	58.16	58.46	0.30	3800.88
	08/08/06	3859.08	58.20	58.48	0.28	3800.84
	08/10/06	3859.08	58.17	58.44	0.27	3800.87
	08/17/06	3859.08	58.21	58.59	0.38	3800.81
	08/21/06	3859.08	58.39	58.86	0.47	3800.62
	08/23/06	3859.08	58.20	58.38	0.18	3800.85
	09/13/06	3859.08	58.19	58.61	0.42	3800.83
	09/18/06	3859.08	58.17	58.69	0.52	3800.83
	10/03/06	3859.08	58.20	58.40	0.20	3800.85
	10/04/06	3859.08	58.28	58.56	0.28	3800.76
	10/06/06	3859.08	58.25	58.72	0.47	3800.76
	10/10/06	3859.08	58.26	58.59	0.33	3800.77
	10/11/06	3859.08	58.25	58.56	0.31	3800.78
	10/20/06	3859.08	58.27	58.50	0.23	3800.78
	10/26/06	3859.08	58.28	58.58	0.30	3800.76
	10/30/06	3859.08	58.29	58.55	0.26	3800.75
	11/06/06	3859.08	58.29	58.55	0.26	3800.75
	11/07/06	3859.08	58.29	58.40	0.11	3800.77

TABLE 1

2006 GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.

SPS - 11
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-1	11/09/06	3859.08	58.30	58.31	0.01	3800.78
	11/17/06	3859.08	58.32	58.43	0.11	3800.74
	11/20/06	3859.08	58.30	58.44	0.14	3800.76
	11/22/06	3859.08	58.31	58.45	0.14	3800.75
	11/27/06	3859.08	58.28	58.48	0.20	3800.77
	11/29/06	3859.08	58.31	58.48	0.17	3800.74
	12/01/06	3859.08	58.34	58.46	0.12	3800.72
	12/04/06	3859.08	58.35	58.50	0.15	3800.71
	12/06/06	3859.08	58.33	58.47	0.14	3800.73
	12/08/06	3859.08	58.33	58.47	0.14	3800.73
	12/13/06	3859.08	58.32	58.57	0.25	3800.72
	12/18/06	3859.08	58.34	58.60	0.26	3800.70
	MW-2	03/15/06	3860.76	-	58.59	0.00
06/14/06		3860.76	-	58.81	0.00	3801.95
09/13/06		3860.76	-	59.04	0.00	3801.72
12/05/06		3860.76	-	59.00	0.00	3801.76
MW-3	03/15/06	3861.15	-	59.04	0.00	3802.11
	06/14/06	3861.15	-	59.24	0.00	3801.91
	09/13/06	3861.15	-	59.37	0.00	3801.78
	12/05/06	3861.15	-	59.42	0.00	3801.73
MW-4	03/15/06	3859.62	-	58.12	0.00	3801.50
	06/14/06	3859.62	-	58.28	0.00	3801.34
	09/13/06	3859.62	-	58.56	0.00	3801.06
	12/06/06	3859.62	-	58.52	0.00	3801.10
MW-6	03/15/06	3862.47	-	58.45	0.00	3804.02
	06/14/06	3862.47	-	58.69	0.00	3803.78
	09/13/06	3862.47	-	58.84	0.00	3803.63
	12/06/06	3862.47	-	58.95	0.00	3803.52
MW-7	03/15/06	3859.31	-	58.21	0.00	3801.10
	06/14/06	3859.31	-	58.40	0.00	3800.91
	09/13/06	3859.31	-	58.53	0.00	3800.78
	12/06/06	3859.31	-	58.62	0.00	3800.69
MW-9	03/15/06	3861.88	-	57.45	0.00	3804.43
	06/14/06	3861.88	-	57.67	0.00	3804.21
	09/13/06	3861.88	-	57.79	0.00	3804.09
	12/06/06	3861.88	-	58.00	0.00	3803.88

TABLE 1

**2006 GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.**

SPS - 11
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-10	03/15/06	3860.58	-	59.69	0.00	3800.89
	06/14/06	3860.58	-	59.88	0.00	3800.70
	09/13/06	3860.58	-	60.00	0.00	3800.58
	12/06/06	3860.58	-	60.11	0.00	3800.47
MW-11	03/15/06	3860.00	-	59.22	0.00	3800.78
	06/14/06	3860.00	-	59.38	0.00	3800.62
	09/13/06	3860.00	-	59.50	0.00	3800.50
	12/06/06	3860.00	-	59.59	0.00	3800.41
MW-12	03/15/06	3863.10	-	59.53	0.00	3803.57
	06/14/06	3863.10	-	59.86	0.00	3803.24
	09/13/06	3863.10	-	59.96	0.00	3803.14
	12/06/06	3863.10	-	60.08	0.00	3803.02
MW-13	03/15/06	3862.44	-	57.94	0.00	3804.50
	06/14/06	3862.44	-	58.19	0.00	3804.25
	09/13/06	3862.44	-	58.32	0.00	3804.12
	12/05/06	3862.44	-	59.38	0.00	3803.06
MW-14	03/15/06	3862.95	-	59.15	0.00	3803.80
	06/14/06	3862.95	-	59.34	0.00	3803.61
	09/13/06	3862.95	-	59.49	0.00	3803.46
	12/06/06	3862.95	-	59.62	0.00	3803.33
MW-15	03/15/06	3861.70	-	58.35	0.00	3803.35
	06/14/06	3861.70	-	58.55	0.00	3803.15
	09/13/06	3861.70	-	58.66	0.00	3803.04
	12/05/06	3861.70	-	58.73	0.00	3802.97
MW-16	03/15/06	3863.15	-	58.07	0.00	3805.08
	06/14/06	3863.15	-	58.24	0.00	3804.91
	09/13/06	3863.15	-	58.36	0.00	3804.79
	12/06/06	3863.15	-	58.54	0.00	3804.61
MW-17	03/15/06	3859.17	-	60.81	0.00	3798.36
	06/14/06	3859.17	-	60.98	0.00	3798.19
	09/13/06	3859.17	-	61.06	0.00	3798.11
	12/06/06	3858.17	-	61.13	0.00	3797.04
MW-18	03/15/06	3859.98	-	60.23	0.00	3799.75

TABLE 1

2006 GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.

SPS - 11
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	06/14/06	3859.98	-	60.39	0.00	3799.59
	09/13/06	3859.98	-	60.52	0.00	3799.46
	12/05/06	3859.98	-	60.56	0.00	3799.42
MW-19	03/15/06	3862.30	-	61.05	0.00	3801.25
	06/14/06	3862.30	-	61.23	0.00	3801.07
	09/13/06	3862.30	-	61.36	0.00	3800.94
	12/06/06	3862.30	-	61.44	0.00	3800.86
MW-21	03/15/06	3862.30	-	60.37	0.00	3801.93
	06/14/06	3862.30	-	60.56	0.00	3801.74
	09/13/06	3862.30	-	60.69	0.00	3801.61
MW-23	03/15/06	3862.44	-	57.81	0.00	3804.63
	06/14/06	3862.44	-	57.99	0.00	3804.45
	09/13/06	3862.44	-	58.12	0.00	3804.32
	12/05/06	3862.44	-	58.22	0.00	3804.22
MW-24	03/15/06	3864.36	-	58.70	0.00	3805.66
	06/14/06	3864.36	-	58.86	0.00	3805.50
	09/13/06	3864.36	-	58.99	0.00	3805.37
	12/06/06	3864.36	-	59.13	0.00	3805.23
MW-25	03/15/06	3864.16	-	57.56	0.00	3806.60
	06/14/06	3864.16	-	57.77	0.00	3806.39
	09/13/06	3864.16	-	57.89	0.00	3806.27
	12/06/06	3864.16	-	58.04	0.00	3806.12
MW-26	03/15/06	3858.79	-	61.22	0.00	3797.57
	06/14/06	3858.79	-	61.33	0.00	3797.46
	09/13/06	3858.79	-	61.44	0.00	3797.35
	12/06/06	3858.79	-	61.50	0.00	3797.29
MW-28	03/15/06	3858.60	-	61.45	0.00	3797.15
	06/14/06	3858.60	-	61.62	0.00	3796.98
	09/13/06	3858.60	-	61.74	0.00	3796.86
	12/06/06	3858.60	-	61.79	0.00	3796.81
MW-29	03/15/06	3858.54	-	61.97	0.00	3796.57
	06/14/06	3858.54	-	62.09	0.00	3796.45
	09/13/06	3858.54	-	62.19	0.00	3796.35
	12/06/06	3858.54	-	62.26	0.00	3796.28

TABLE 1

2006 GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.

SPS - 11
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-30	03/15/06	3858.35	-	60.32	0.00	3798.03
	06/14/06	3858.35	-	60.46	0.00	3797.89
	09/13/06	3858.35	-	60.57	0.00	3797.78
	12/06/06	3858.35	-	60.66	0.00	3797.69
MW-31	03/15/06	3858.52	-	61.26	0.00	3797.26
	06/14/06	3858.52	-	61.38	0.00	3797.14
	09/13/06	3858.52	-	61.48	0.00	3797.04
	12/06/06	3858.52	-	61.55	0.00	3796.97
MW-32	03/15/06	3858.07	-	61.70	0.00	3796.37
	06/14/06	3858.07	-	61.83	0.00	3796.24
	09/13/06	3858.07	-	61.93	0.00	3796.14
	12/06/06	3858.07	-	61.98	0.00	3796.09
MW-33	03/15/06	3858.36	-	62.32	0.00	3796.04
	06/14/06	3858.36	-	62.46	0.00	3795.90
	09/13/06	3858.36	-	62.54	0.00	3795.82
	12/05/06	3858.36	-	62.58	0.00	3795.78
MW-34	03/15/06	3857.91	-	62.28	0.00	3795.63
	06/14/06	3857.91	-	62.40	0.00	3795.51
	09/13/06	3857.91	-	62.49	0.00	3795.42
	12/06/26	3857.91	-	62.55	0.00	3795.36
MW-35	03/15/06	3857.16	-	61.80	0.00	3795.36
	06/14/06	3857.16	-	61.89	0.00	3795.27
	09/13/06	3857.16	-	61.97	0.00	3795.19
	12/06/06	3857.16	-	62.04	0.00	3795.12
MW-36	12/06/06	3858.80	-	62.70	0.00	3796.10
MW-37	12/06/06	3857.69	-	61.51	0.00	3796.18
MW-38	12/06/06	3855.95	-	60.42	0.00	3795.53

North America Vertical Datum of 1929.

TABLE 2
2006 CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.

SPS 11
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8260b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENE S	o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62	
MW-1	03/15/06	Not Sampled Due to PSH in Well				
	06/14/06	Not Sampled Due to PSH in Well				
	09/13/06	Not Sampled Due to PSH in Well				
	12/05/06	Not Sampled Due to PSH in Well				
MW-2	03/15/06	Not Sampled on Current Sample Schedule				
	06/14/06	Not Sampled on Current Sample Schedule				
	09/13/06	Not Sampled on Current Sample Schedule				
	12/05/06	<0.001	<0.001	<0.001	<0.001	
MW-3	03/15/06	Not Sampled on Current Sample Schedule				
	06/14/06	Not Sampled on Current Sample Schedule				
	09/13/06	Not Sampled on Current Sample Schedule				
	12/05/06	<0.001	<0.001	<0.001	<0.001	
MW-4	03/15/06	0.0050	<0.001	<0.001	<0.001	
	06/14/06	0.0109	<0.001	<0.001	<0.001	
	09/13/06	0.0449	<0.001	0.007	<0.001	
	12/06/06	<0.001	<0.001	<0.001	<0.001	
MW-6	03/15/06	<0.001	<0.001	<0.001	<0.001	
	06/14/06	<0.001	<0.001	<0.001	<0.001	
	09/13/06	2.69	<0.02	0.236	<0.02	
	12/06/06	<0.001	<0.001	<0.001	<0.001	
MW-7	03/15/06	1.48	<0.050	1.08	0.152	
	06/14/06	0.814	<0.02	0.616	0.034	
	09/14/06	0.887	<0.02	0.678	<0.02	
	12/06/06	0.583	<0.01	0.457	0.0297	
MW-9	03/15/06	2.5	<0.2	0.52	<0.2	
	06/14/06	3.13	<0.1	0.361	<0.1	
	09/14/06	<0.001	<0.001	<0.001	<0.001	
	12/06/06	1.54	0.0354	0.0429	0.0406	
MW-10	03/15/06	Not Sampled on Current Sample Schedule				

TABLE 2
2006 CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.

SPS 11
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8260b			
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62
MW-10	06/14/06	0.0014	<0.001	0.0057	<0.001
	09/13/06	<0.001	<0.001	<0.001	<0.001
	12/06/06	<0.001	<0.001	<0.001	<0.001
MW-11	03/15/06	0.879	<0.02	0.401	<0.02
	06/14/06	1.130	<0.02	0.425	0.0505
	09/14/06	0.733	<0.02	0.222	<0.02
	12/06/06	0.672	<0.01	0.161	0.0294
MW-12	03/15/06	0.0297	<0.005	0.0171	<0.005
	06/14/06	0.0123	<0.001	0.0078	0.0019
	09/13/06	0.0215	0.0012	0.0042	0.0026
	12/06/06	0.0037	<0.001	<0.001	<0.001
MW-13	03/15/06	Not Sampled on Current Sample Schedule			
	06/14/06	Not Sampled on Current Sample Schedule			
	09/13/06	Not Sampled on Current Sample Schedule			
	12/05/06	<0.001	<0.001	<0.001	<0.001
MW-14	03/15/06	3.66	<0.2	0.960	<0.2
	06/14/06	4.5	<0.2	1.040	<0.2
	09/14/06	4.96	<0.1	1.210	<0.1
	12/06/06	3.96	<0.02	1.010	<0.02
MW-15	03/15/06	<0.005	<0.005	<0.005	<0.005
	06/14/06	<0.001	<0.001	<0.001	<0.001
	09/13/06	<0.001	<0.001	<0.001	<0.001
	12/05/06	<0.001	<0.001	<0.001	<0.001
MW-16	03/15/06	0.193	0.113	0.065	0.0347
	06/14/06	0.106	0.0713	0.0304	0.0201
	09/13/06	0.0964	0.0842	0.0267	0.0202
	12/06/06	0.025	<0.001	0.0063	0.0013
MW-17	03/15/06	0.0196	0.0158	0.0077	0.0131
	06/14/06	0.0224	0.0148	0.0072	0.0137

TABLE 2
2006 CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.

SPS 11
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8260b			
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENE S
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62
MW-17	09/13/06	0.0108	0.0068	0.0029	0.0064
	12/06/06	0.0086	0.0047	0.002	0.0048
MW-18	03/15/06	Not Sampled on Current Sample Schedule			
	06/14/06	<0.001	<0.001	<0.001	<0.001
	09/13/06	Not Sampled on Current Sample Schedule			
	12/05/06	<0.001	<0.001	<0.001	<0.001
MW-19	03/15/06	Not Sampled on Current Sample Schedule			
	06/14/06	Not Sampled on Current Sample Schedule			
	09/13/06	Not Sampled on Current Sample Schedule			
	12/06/06	<0.001	<0.001	<0.001	0.0024
MW-21	03/15/06	Not Sampled on Current Sample Schedule			
	06/14/06	Not Sampled on Current Sample Schedule			
	09/13/06	Not Sampled on Current Sample Schedule			
	01/03/07	<0.001	<0.001	<0.001	<0.001
MW-23	03/15/06	<0.001	<0.001	<0.001	<0.001
	06/14/06	<0.001	<0.001	<0.001	<0.001
	09/13/06	<0.001	<0.001	<0.001	<0.001
	12/05/06	<0.001	<0.001	<0.001	<0.001
MW-24	03/15/06	0.303	0.0116	0.0176	<0.01
	06/14/06	0.339	0.0215	0.0261	0.022
	09/13/06	0.207	0.0192	0.0209	0.0175
	12/06/06	0.105	<0.001	0.0023	<0.001
MW-25	03/15/06	Not Sampled on Current Sample Schedule			
	06/14/06	Not Sampled on Current Sample Schedule			
	09/13/06	Not Sampled on Current Sample Schedule			
	12/06/06	<0.001	0.0016	<0.001	0.0017
MW - 26	03/15/06	0.73	0.464	0.27	0.223
	06/14/06	0.064	0.338	0.184	0.151
	09/14/06	0.014	<0.01	<0.01	<0.01

TABLE 2
2006 CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.

SPS 11
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8260b			
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62
MW-26	12/06/06	0.512	0.259	0.114	0.135
MW - 28	03/15/06	2.310	<0.2	0.572	<0.2
	06/14/06	3.090	<0.1	0.589	0.16
	09/14/06	1.820	<0.05	0.165	<0.05
	12/06/06	1.940	<0.01	0.446	0.157
MW - 29	03/15/06	1.580	<0.05	<0.05	<0.05
	06/14/06	1.690	<0.02	<0.02	<0.02
	09/14/06	1.670	<0.02	<0.02	<0.02
	12/06/06	1.300	<0.01	0.0161	<0.01
MW - 30	03/15/06	Not Sampled on Current Sample Schedule			
	06/14/06	Not Sampled on Current Sample Schedule			
	09/14/06	Not Sampled on Current Sample Schedule			
	12/06/06	<0.001	<0.001	<0.001	<0.001
MW-31	03/15/06	Not Sampled on Current Sample Schedule			
	06/14/06	Not Sampled on Current Sample Schedule			
	09/14/06	Not Sampled on Current Sample Schedule			
	12/06/06	<0.001	<0.001	<0.001	<0.001
MW-32	03/15/06	5.14	<0.2	0.586	<0.2
	06/14/06	4.56	0.2	0.225	<0.2
	09/14/06	3.05	0.0592	0.0778	<0.05
	12/06/06	3.14	0.0409	0.0521	0.0428
MW-33	03/15/06	<0.001	<0.001	<0.001	<0.001
	06/14/06	<0.001	<0.001	<0.001	<0.001
	09/13/06	<0.001	<0.001	<0.001	<0.001
	12/05/06	<0.001	<0.001	<0.001	<0.001
MW-34	03/15/06	0.0847	<0.001	<0.001	<0.001
	06/14/06	0.42	<0.001	<0.001	<0.001
	09/14/06	0.733	<0.001	<0.001	<0.001
	12/06/06	0.379	<0.005	<0.005	<0.005

TABLE 2
2006 CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.

SPS 11
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8260b			
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62
MW-35	03/15/06	0.394	0.0667	0.154	0.186
	06/14/06	0.362	0.0137	0.0583	0.0709
	09/14/06	0.685	<0.01	0.068	0.0626
	12/06/06	0.168	0.0054	0.04	0.0421
MW-36	09/28/06	0.593	<0.05	<0.05	0.102
	12/06/06	1.12	<0.01	<0.01	<0.01
MW-37	09/28/06	<0.02	<0.02	<0.02	<0.02
	12/06/06	<0.001	<0.001	<0.001	<0.001
MW-38	09/28/06	<0.001	<0.001	<0.001	<0.001
	12/06/06	<0.001	<0.001	<0.001	<0.001

Note: m,p and o Xylenes combined when analyzed by Trace Laboratories, Inc. only.

TABLE 3
2006 CONCENTRATIONS OF TPH AND BTEX IN SOIL
PLAINS MARKETING, L.P.

SPS 11
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/kg

SAMPLE LOCATION	SAMPLE DATE	SW 846-8015M				SW 846-8021b								
		TPH DRO	TPH GRO	C6-C12	C12-C28	C28-C35	TOTAL HYDROC ARBONS	BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	BTEX	
NMOC Regulatory Limit														
MW-34 20-25'	03/02/06	<50.0	<1				100	10						50
MW-34 45-50'	03/02/06	<50.0	<1											
MW-34 55-60'	03/02/06	<50.0	<1											
SP-106 25-30'	03/02/06	<50.0	<1											
SP-106 45-50'	03/02/06	774	193					<0.01	<0.01	0.143	0.451			0.594
SB-106 55-60'	03/02/06	<50.0	<1											
MW-35 30-35'	03/02/06	<50.0	<1											
MW-35 45-50'	03/02/06	246	35.9					<0.01	<0.01	<0.01	<0.01			<0.01
MW-35 55-60'	03/02/06	<50.0	<1											
MW-36 @ 20'	09/14/06			<10	<10	<10	<10	<10	<10					
MW-36 @ 40'	09/14/06			<10	<10	<10	<10	<10	<10					
MW-36 @ 55'	09/14/06			<10	<10	<10	<10	<10	<10					
SB206 @ 20'	09/14/06			<10	<10	<10	<10	<10	<10					
SB206 @ 40'	09/14/06			108	544	74	726							
SB206 @ 50'	09/14/06			10.5	114	20.8	145							
MW-37 @ 15'	09/15/06			<10	<10	<10	<10	<10	<10					
MW-37 @ 35'	09/15/06			<10	<10	<10	<10	<10	<10					
MW-37 @ 50'	09/15/06			<10	<10	<10	<10	<10	<10					
MW-38 @ 20'	09/15/06			<10	<10	<10	<10	<10	<10					
MW-38 @ 40'	09/15/06			<10	<10	<10	<10	<10	<10					
MW-38 @ 55'	09/15/06			<10	<10	<10	<10	<10	<10					



APPENDICES

APPENDIX A:
Boring Logs and Monitor Well Details

Soil Boring SB-106

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
0 - 3'		3.9	None	None	0 - 3' - Caliche, sand buff
3 - 5'			None	None	3 - 5' - Sand, brown with some greyish white caliche fragments
5 - 27'		1.4	None	None	5 - 27' - Caliche, greyish white
27 - 30'		2.5	None	None	27 - 30' - Sand, brown, dry with few caliche fragments
30 - 45'		1.2	Slight	None	30 - 45' - Sand, brown, very fine grain, dry
45 - 70'		198	Moderate	None	45 - 70' - Sand, brown, very fine grain, moist to wet
TD		6.9	Slight	None	
		19.3	Moderate	None	
		4.6	Slight	None	
			Slight	None	

Soil Boring Details

Date Drilled 3-2-06
 Thickness of Bentonite Seal 70 Ft
 Depth of Exploratory Well 70 Ft
 Depth to Groundwater 53 Ft
 Ground Water Elevation _____

- Indicates the PSH level measured on 11/2/04
- Indicates the groundwater level measured on 3/2/06
- Indicates samples selected for Laboratory Analysis.
- PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The soil boring was advanced on date using air rotary drilling techniques.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface. (bgs)

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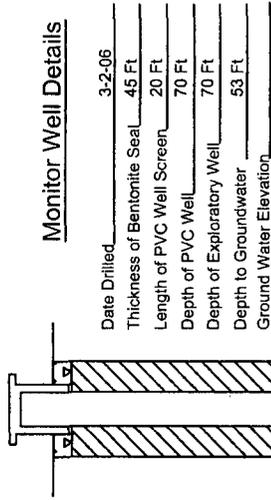
Prep By: CDS
June 20, 2006

Checked By: TKC

Boring Log Details
 Soil Boring SB-106
 TNM SPS-11 Lea County, New Mexico
 Plains Marketing, L.P.

Monitor Well MW-34

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
0 - 5		9.4	None	None	0 - 5' - Caliche, greyish white, sandy
5 - 10		1.2	None	None	5 - 10' - Sand, brown, caliche, greyish white
10 - 15		1.5	None	None	15 - 23' - Caliche, greyish white, dense
15 - 20		5.1	None	None	23 - 29' - Sand, brown with some caliche fragments
20 - 25		1.4	None	None	
25 - 30		4.1	None	None	
30 - 35		1.7	None	None	29 - 53' - Sand, brown, very fine grained
35 - 40		5.1	None	None	
40 - 45		2.1	None	None	
45 - 50		2.6	None	None	
50 - 55		2.0	None	None	53 - 70' - Sand, brown, very fine grained, moist to wet with depth
55 - 60					
60 - 65					
65 - 70					



- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen
- Indicates the PSH level measured on 3/2/06
- Indicates the groundwater level measured on 3/02/06
- Indicates samples selected for Laboratory Analysis.
- PID Head-space reading in ppm obtained with a photo-ization detector.

Completion Notes

- The monitor well was installed on date using air rotary drilling techniques.
- The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
- The well is protected with a locked stick up steel cover and a compression cap.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from below ground surface. (bgs)

Boring Log And Monitor Well Details
Monitor Well MW-34
TNM SPS-11 Lea County, New Mexico
Plains Marketing, L.P.

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Prep By: CDS
 June 20, 2006
 Checked By: TKC

Monitor Well MW-35

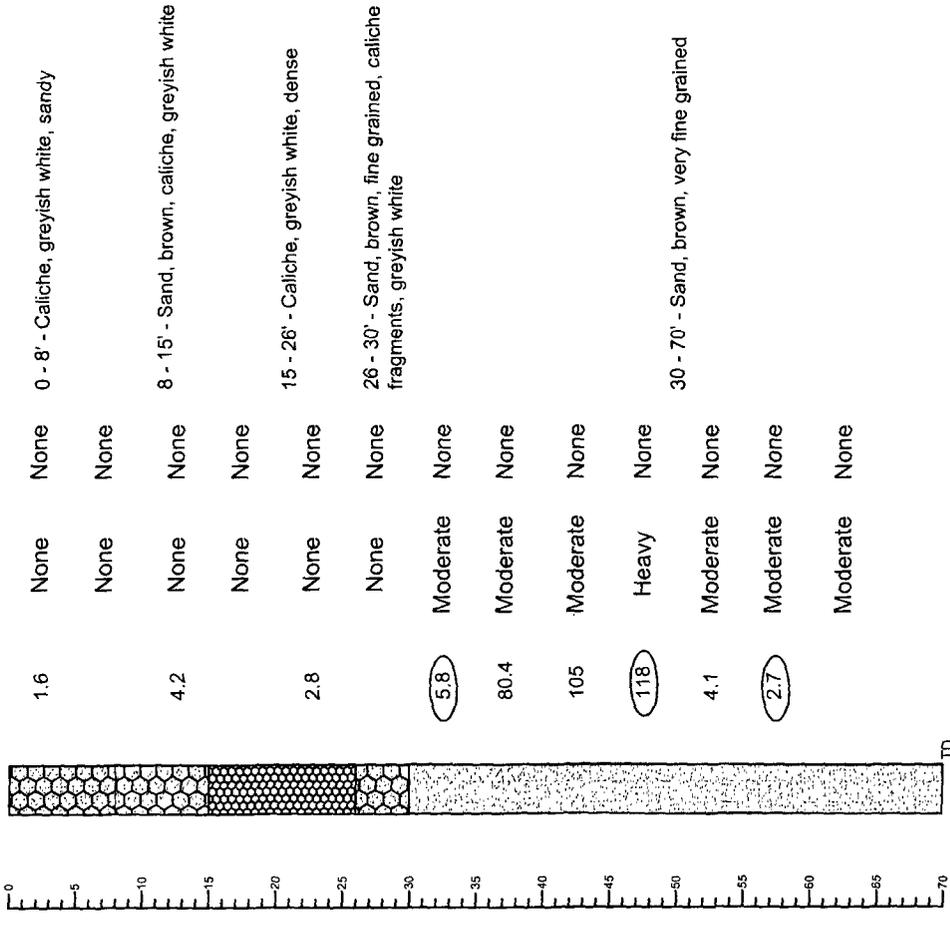
Soil Description

Petroleum Odor Stain

PID Reading

Soil Columns

Depth (feet)



Monitor Well Details

Date Drilled: 3-2-06
 Thickness of Bentonite Seal: 45 FT
 Length of PVC Well Screen: 20 FT
 Depth of PVC Well: 70 FT
 Depth of Exploratory Well: 70 FT
 Depth to Groundwater: _____
 Ground Water Elevation: _____

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

- Indicates the PSH level measured on 3/2/06
- Indicates the groundwater level measured on 3/02/06
- Indicates samples selected for Laboratory Analysis.
- PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

- The monitor well was installed on date using air rotary drilling techniques.
- The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
- The well is protected with a locked stick up steel cover and a compression cap.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from below ground surface. (bgs)

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Prep By: CDS
 Checked By: TKC
 June 20, 2006



Boring Log And Monitor Well Details
 Monitor Well MW-35
 TNM SPS-11 Lea County, New Mexico
 Plains Marketing, L.P.

Soil Boring SB-206

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
0		2.2	None	None	
5		2.3	None	None	
10		2.3	None	None	0 - 26' - Caliche, white, soft
15		0.9	None	None	
20		1.7	None	None	
25					26 - 27' - Sand, brown, very fine grained. 27 - 29' - Caliche, white. 29 - 30' - Sand, brown, very fine grained.
30		2.8	None	None	
35		1.5	Slight	None	30 - 35' - Sand, red to brown, very fine grained, moist.
40		304	Moderate	None	
45		44.8	Moderate	None	
50		11.4	Slight	None	35 - 70' - Sand, brown, very fine grained.
55		4.2	Slight	None	
60		6.9	NA	None	
65		2.8	NA	None	
70		4.9	NA	None	

Soil Boring Details

Date Drilled 09-14-06
 Thickness of Bentonite Seal 70 Ft
 Depth of Exploratory Well 70 Ft

 Indicates samples selected for Laboratory Analysis.
 PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The soil boring was advanced on date using air rotary drilling techniques.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface. (bgs)



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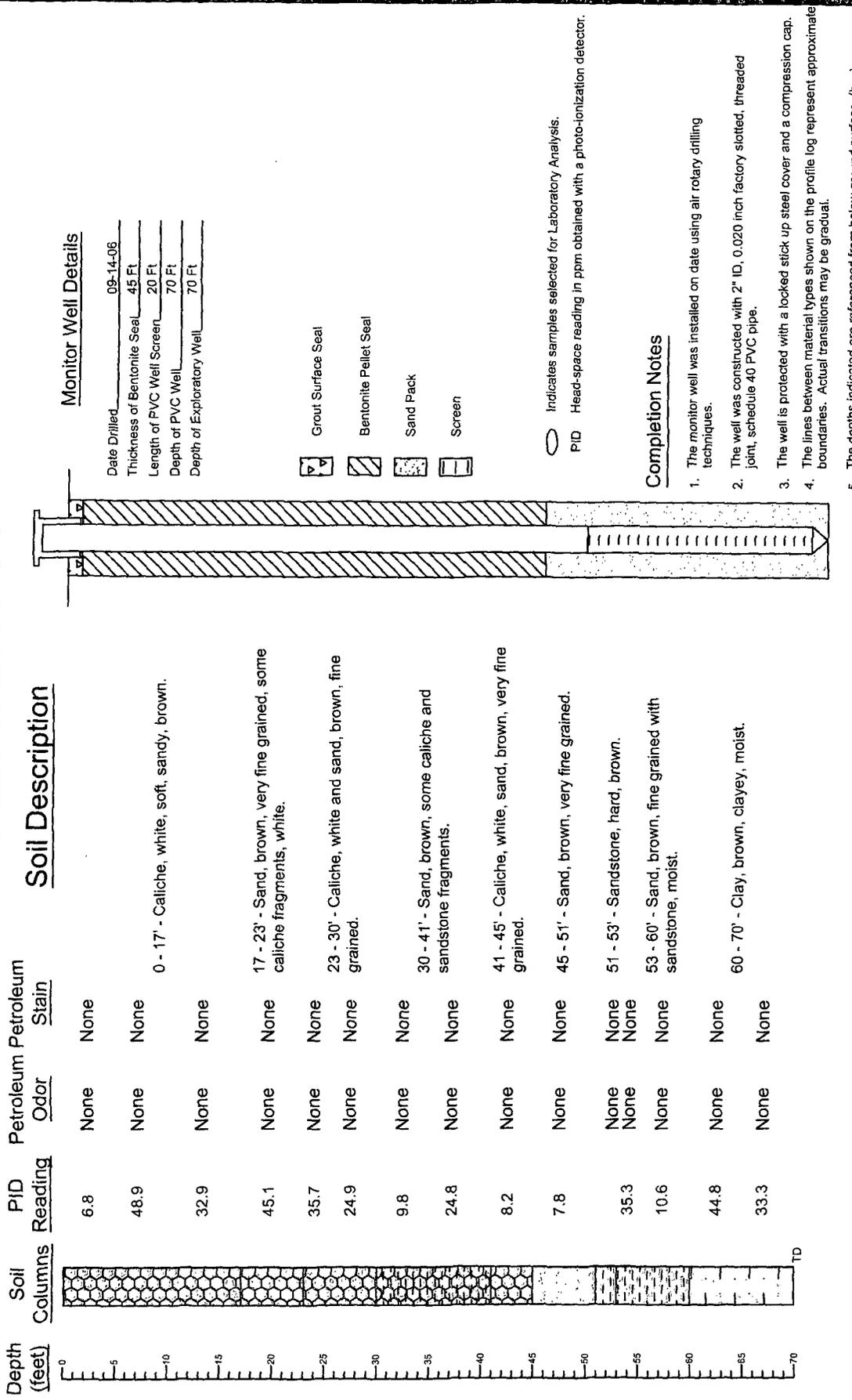
NOVA Safety and Environmental

CAD By: DGC
March 25, 2007

Checked By: CDS

Boring Log Details
Soil Boring SB-206
TNM SPS-11 Lea County, New Mexico
Plains Marketing, L.P.

Monitor Well MW-36



Monitor Well Details

Date Drilled	09-14-06
Thickness of Bentonite Seal	45 Ft
Length of PVC Well Screen	20 Ft
Depth of PVC Well	70 Ft
Depth of Exploratory Well	70 Ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

○ Indicates samples selected for Laboratory Analysis.
 PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface. (bgs)

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
0 - 17'		6.8	None	None	0 - 17' - Caliche, white, soft, sandy, brown.
17 - 23'		48.9	None	None	17 - 23' - Sand, brown, very fine grained, some caliche fragments, white.
23 - 30'		32.9	None	None	23 - 30' - Caliche, white and sand, brown, fine grained.
30 - 41'		45.1	None	None	30 - 41' - Sand, brown, some caliche and sandstone fragments.
41 - 45'		35.7	None	None	41 - 45' - Caliche, white, sand, brown, very fine grained.
45 - 51'		24.9	None	None	45 - 51' - Sand, brown, very fine grained.
51 - 53'		9.8	None	None	51 - 53' - Sandstone, hard, brown.
53 - 60'		24.8	None	None	53 - 60' - Sand, brown, fine grained with sandstone, moist.
60 - 70'		8.2	None	None	60 - 70' - Clay, brown, clayey, moist.
		7.8	None	None	
		35.3	None	None	
		10.6	None	None	
		44.8	None	None	
		33.3	None	None	



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CAD By: DGC
 Checked By: CDS
 March 25, 2007

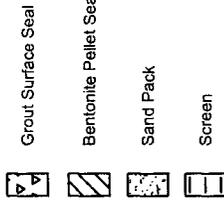
Boring Log And Monitor Well Details
Monitor Well MW-36
 TNM SPS-11 Lea County, New Mexico
 Plains Marketing, L.P.

Monitor Well MW-37

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain	Petroleum Description
0 - 5'	[Pattern]	3.7	None	None	0 - 5' - Sand, brown, medium grained.
5 - 11'	[Pattern]	8.3	None	None	5 - 11' - Sand, brown and caliche, white, soft, slightly moist.
11 - 15'	[Pattern]	9.8	None	None	11 - 15' - Caliche, brown, soft sand.
15 - 27'	[Pattern]	11.2	None	None	15 - 27' - Caliche, white, soft, sandy, brown.
27 - 29'	[Pattern]	20.8	None	None	27 - 29' - Sand, brown.
29 - 30'	[Pattern]	20.8	None	None	29 - 30' - Caliche, white.
30 - 45'	[Pattern]	29.8	None	None	30 - 45' - Sand, brown, very fine grained.
45 - 60'	[Pattern]	11.7	None	None	45 - 60' - Sand, brown, very fine grained, moist.
60 - 70'	[Pattern]	33.9	None	None	60 - 70' - Clay, red to brown, sandy, wet
		32.5	None	None	
		19.3	None	None	
		33.8	None	None	
		8.4	None	None	
		46.9	None	None	

Monitor Well Details

Date Drilled: 09-15-06
 Thickness of Bentonite Seal: 46 Ft
 Length of PVC Well Screen: 20 Ft
 Depth of PVC Well: 70 Ft
 Depth of Exploratory Well: 70 Ft
 Depth to Groundwater: _____
 Ground Water Elevation: _____



○ Indicates samples selected for Laboratory Analysis.
 PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

- The monitor well was installed on date using air rotary drilling techniques.
- The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
- The well is protected with a locked stick up steel cover and a compression cap.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from below ground surface. (bgs)

Boring Log And Monitor Well Details
 Monitor Well MW-37
 TNM SPS-11 Lea County, New Mexico
 Plains Marketing, L.P.

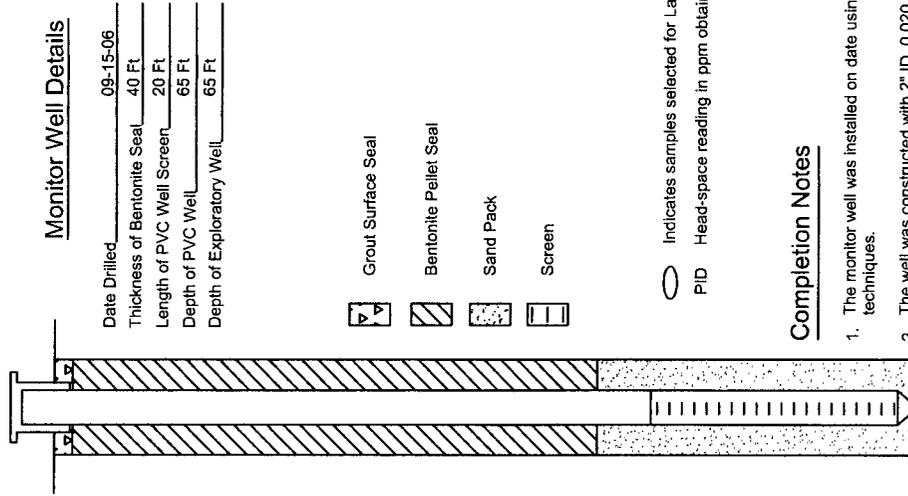


NOVA Safety and Environmental

CAD By: DGC
 Checked By: CDS
 March 25, 2007

Monitor Well MW-38

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain	Petroleum	Soil Description
0			None	None	None	0 - 1' - Topsoil, black, organic.
5		19.7	None	None	None	1 - 10' - Caliche, white, soft.
10		29.5	None	None	None	
15		22.6	None	None	None	
20		37.3	None	None	None	10 - 26' - Caliche, white, soft and sand, brown.
25		24.1	None	None	None	
30		7.5	None	None	None	26 - 30' - Sand, brown, very fine grained.
35		1.1	None	None	None	30 - 36' - Sand, red to brown, very fine grained.
40		5.0	None	None	None	36 - 40' - Sand, red to brown, very fine grained, some caliche fragments.
45		6.8	None	None	None	
50		7.5	None	None	None	40 - 60' - Sand, red, very fine grained.
55		28.0	None	None	None	
60		32.0	None	None	None	
65		37.8	None	None	None	60 - 65' - Sandstone, brown.



Monitor Well Details
 Date Drilled: 09-15-06
 Thickness of Bentonite Seal: 40 Ft
 Length of PVC Well Screen: 20 Ft
 Depth of PVC Well: 65 Ft
 Depth of Exploratory Well: 65 Ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

Indicates samples selected for Laboratory Analysis.
 PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

- The monitor well was installed on date using air rotary drilling techniques.
- The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
- The well is protected with a locked stick up steel cover and a compression cap.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from below ground surface. (bgs)

Boring Log And Monitor Well Details
 Monitor Well MW-38
 TNM SPS-11 Lea County, New Mexico
 Plains Marketing, L.P.

NOVA
 safety and environmental

NOVA Safety and Environmental

CAD By: DGC
 March 25, 2007
 Checked By: CDS

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

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR Initial Report Final Report

Name of Company	Plains Pipeline, LP	Contact:	Camille Reynolds
Address:	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	505-441-0965
Facility Name	SPS #11	Facility Type:	Pipeline

Surface Owner: New Mexico State Land Office	Mineral Owner	Lease No.
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	18	18S	36E					Lea

Latitude 32 degrees 44' 50.3" Longitude 103 degrees 23' 36.5"

NATURE OF RELEASE

Type of Release:	Volume of Release:	Volume Recovered
Source of Release:	Date and Hour of Occurrence Unknown	Date and Hour of Discovery
Was Immediate Notice Given? Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required <input type="checkbox"/>	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Describe Area Affected and Cleanup Action Taken.*
NOTE: Texas-New Mexico Pipeline was the owner/operator of the pipeline system at the time of the release, initial response information is unavailable .

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

Signature:		OIL CONSERVATION DIVISION	
Printed Name: Camille Reynolds	Approved by District Supervisor:		
Title: Remediation Coordinator	Approval Date:	Expiration Date:	
E-mail Address: cjreynolds@paalp.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3/21/2005	Phone: (505)441-0965		

* Attach Additional Sheets If Necessary