GW - 294

Annual

MONITORING REPORTS

DATE:

2008

PLAINS
ALL AMERICAN

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March 13, 2009

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

Re: Plains All American – 2008 Annual Monitoring Reports
22 Sites in Lea County, New Mexico

Dear Mr. Hansen:

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

34 Junc. to Lea Sta.	1R-0386	Section 21, Township 20 South, Range 37 East, Lea County
34 Junction South	1R-0456	Section 02, Township 17 South, Range 36 East, Lea County
Bob Durham	AP-0016	Section 32, Township 19 South, Range 37 East, Lea County
Darr Angell #1	AP-007	Section 11, Township 15 South, Range 37 East, Lea County
Darr Angell #2	AP-007	Section 11, Township 15 South, Range 37 East, Lea County Section 14, Township 15 South, Range 37 East, Lea County
Darr Angell #4	AP-007	Section 11, Township 15 South, Range 37 East, Lea County Section 02, Township 15 South, Range 37 East, Lea County
Denton Station	1R-0234	Section 14, Township 15 South, Range 37 East, Lea County
HDO-90-23	AP-009	Section 06, Township 20 South, Range 37 East, Lea County
LF-59	1R-0103	Section 32, Township 19 South, Range 37 East, Lea County
Monument 2	1R-0110	Section 06, Township 20 South, Range 37 East, Lea County Section 07, Township 20 South, Range 37 East, Lea, County
Monument 10	1R-0119	Section 30, Township 19 South, Range 37 East, Lea County
Monument 11	1R-120	Section 30, Township 19 South, Range 37 East, Lea County
Monument 17	1R-123	Section 29, Township 19 South, Range 37 East, Lea County
Monument 18	1R-0124	Section 07, Township 20 South, Range 37 East, Lea County
Red Byrd #1	1R-0085	Section 01, Township 20 South, Range 36 East, Lea County
S. Mon. Gath. Sour	1R-951	Section 05, Township 20 South, Range 37 East, Lea County
SPS-11	GW-0140	Section 18, Township 18 South, Range 36 East, Lea County
Texaco Skelly F	1R-0420	Section 11, Township 21 South, Range 37 East, Lea County
TNM 97-04	GW-0294	Section 11, Township 16 South, Range 35 East, Lea County
TNM 97-17	AP-017	Section 21, Township 20 South, Range 37 East, Lea County
TNM 97-18	AP-0013	Section 28, Township 20 South, Range 37 East, Lea County
TNM 98-05A	AP-12	Section 26, Township 21 South, Range 37 East, Lea County

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

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

Sincerely,

Jason Henry
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

2008
ANNUAL MONITORING REPORT

TNM 97-04

SE ¼ SE ¼ of SECTION 11, TOWNSHIP 16 SOUTH, RANGE 35 EAST
LEA COUNTY, NEW MEXICO
PLAINS EMS NUMBER: TNM 97-04
NMOCD Reference GW-0294

PREPARED FOR:

PLAINS MARKETING, L.P.
333 CLAY STREET, SUITE 1600
HOUSTON, TEXAS 77002

NOVA
safety and environmental

PREPARED BY:

NOVA Safety and Environmental
2057 Commerce
Midland, Texas 79703

February 2009

Ronald K. Rounsaville
Project Manager

Brittan K. Byerly, P.G.
President

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ENCLOSED ON DATA DISK

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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 97-04 Release Site (the site), which was formerly the responsibility of Texas New Mexico Pipeline Company (TNM), 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 2008 only. However, historic data tables as well as 2008 laboratory analytical reports are provided on the enclosed data disk. A Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2008 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor wells, checking for the presence of PSH on the water column and purging and sampling of each well exhibiting sufficient recharge. 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 site is located in the SE 1/4 of the SE 1/4 of Section 11, Township 16 South, Range 35 East in Lea County, New Mexico. Initial site investigation activities were performed for TNM by other environmental consultants. No other specifics concerning the release are currently available. The Release Notification and Corrective Action Form (C-141) is provided as Appendix A.

There are currently fourteen monitor wells (MW-2 through MW-7, and MW-9 through MW-16) and one recovery well (RW-1), on site. In October 2008, an *Enhanced Recovery System Workplan* was submitted and subsequently approved by the NMOCD. The automated system is scheduled for installation during the 2nd and 3rd quarters of 2009. Manual PSH recovery is currently being performed on a weekly basis at the site.

FIELD ACTIVITIES

Product Recovery Efforts

A measurable thickness of PSH was present in six monitor wells (MW-2 through MW-6, and MW-9) and the recovery well (RW-1) during each quarter of the reporting period. The average thickness of PSH in monitor wells and recovery wells exhibiting PSH was 0.80 feet. The maximum thickness of PSH in monitor wells and recovery wells was 1.71 feet as recorded in monitor well MW-2 on January 10, 2008. PSH data for the 2008 gauging events can be found in Table 1. Approximately 494 gallons (approximately 12 barrels) of PSH was recovered from the site during the 2008 reporting period. A total of approximately 7,333 gallons (approximately 175 barrels) of PSH have been recovered since project inception.

Groundwater Monitoring
Quarterly monitoring events for the reporting period were performed according to the following reduced sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004 and amended in correspondences dated June 22, 2005 and May 5, 2006.

NMOCD Approved Sampling Schedule					
MW-1	Plugged & Abandoned	MW-7	Annual	MW-13	Quarterly
MW-2	Quarterly	MW-8	Plugged & Abandoned	MW-14	Quarterly
MW-3	Quarterly	MW-9	Quarterly	MW-15	Quarterly
MW-4	Quarterly	MW-10	Annual	MW-16	Semi-Annual
MW-5	Quarterly	MW-11	Annual	MW-17	Plugged & Abandoned
MW-6	Quarterly	MW-12	Annual	RW-1	Quarterly

The site monitor wells were gauged and sampled on March 7, June 2, September 3, and December 10, 2008. During each sampling event, monitor wells were purged of a minimum of three well volumes of water or until the wells failed to produce water. Purging was performed using a disposable polyethylene bailer for each well or electrical Grundfos pump and dedicated tubing. Groundwater was allowed to recharge and samples were collected using disposable Teflon samplers. Water samples were placed in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

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

The most recent Inferred Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.002 feet/foot to the southeast as measured between monitor well MW-9 and MW-13. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3,921.87 and 2922.76 feet above mean sea level, in monitor well MW-13 on March 7, 2008 and in recovery well RW-1 on December 18, 2008, respectively.

LABORATORY RESULTS

Monitor wells MW-2 through MW-6, MW-9 and recovery well RW-1 contained PSH and were not sampled during 1st, 2nd and 3rd quarters of the reporting period. Plains, at the request of the NMOCD, collected groundwater samples below PSH levels in all monitor wells containing PSH during the 4th quarter sampling event.

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-2 is monitored on a quarterly schedule. Monitor well MW-2 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.56 feet, 1.38 feet and 1.40 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 13.80 mg/L. Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 5.20 mg/L. Ethylbenzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.864 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 2.70 mg/L. Analytical results indicated a total TPH result of 267.4 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for chrysene (0.0109 mg/L), naphthalene (0.232 mg/L), 1-methylnaphthalene (0.354 mg/L) and 2-methylnaphthalene (0.417 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0429 mg/L), phenanthrene (0.0587 mg/L) and dibenzofuran (0.0337 mg/L), which are below WQCC standards.

Monitor well MW-3 is monitored on a quarterly schedule. Monitor well MW-3 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.56 feet, 1.31 feet and 1.41 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 10.10 mg/L. Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 6.40 mg/L. Ethylbenzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.040 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 2.80 mg/L. Analytical results indicated a total TPH result of 525 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for chrysene (0.00578 mg/L), naphthalene (0.192 mg/L), 1-methylnaphthalene (0.348 mg/L) and 2-methylnaphthalene (0.409 mg/L). Additional PAH constituents detected above MDLs include acenaphthylene (0.00934 mg/L), fluorene (0.024 mg/L), phenanthrene (0.0368 mg/L) and dibenzofuran (0.0228 mg/L), which are below WQCC standards.

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, 0.32 feet and 0.36 feet were reported during the 1st, 2nd and 3rd quarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 1.930 mg/L. Toluene

concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.996 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.613 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.620 mg/L. Analytical results indicated a total TPH result of 116.1 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0668 mg/L), 1-methylnaphthalene (0.0435 mg/L) and 2-methylnaphthalene (0.0423 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0039 mg/L), phenanthrene (0.00376 mg/L) and dibenzofuran (0.00414 mg/L), which are below WQCC standards.

Monitor well MW-5 is monitored on a quarterly schedule. Monitor well MW-5 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.05 feet, 1.59 feet and 1.60 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 18.90 mg/L. Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 9.03 mg/L. Ethylbenzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.490 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 3.520 mg/L. Analytical results indicated a total TPH result of 139 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.192 mg/L), 1-methylnaphthalene (0.301 mg/L) and 2-methylnaphthalene (0.346 mg/L). Additional PAH constituents detected above MDLs include phenanthrene (0.0424 mg/L) and dibenzofuran (0.0316 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. PSH thicknesses of 1.29 feet, 0.40 feet and 1.18 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 26.00 mg/L. Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 3.950 mg/L. Ethylbenzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.230 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 2.850 mg/L. Analytical results indicated a total TPH result of 118.4 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0921 mg/L), 1-methylnaphthalene (0.0687 mg/L) and 2-methylnaphthalene (0.0744 mg/L). Additional PAH constituents detected above MDLs include phenanthrene (0.00706 mg/L) and dibenzofuran (0.00635 mg/L), which are below WQCC standards.

Monitor well MW-7 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. The analytical results indicate BTEX

constituent concentrations have been below NMOCD regulatory standards for the last twenty-five consecutive quarters. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.0002 mg/L), which is below WQCC standards.

Monitor well MW-9 is monitored on a quarterly schedule. Monitor well MW-9 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.48 feet, 0.29 feet and 0.56 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 2.240 mg/L. Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 2.850 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.633 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.790 mg/L. Analytical results indicated a total TPH result of 201.80 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.102 mg/L), 1-methylnaphthalene (0.122 mg/L) and 2-methylnaphthalene (0.138 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0134 mg/L), phenanthrene (0.016 mg/L) and dibenzofuran (0.0127 mg/L), which are below WQCC standards.

Monitor well MW-10 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

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

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

Monitor well MW-13 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0279 mg/L in the 1st quarter to 1.200 mg/L during the 4th quarter of the reporting period. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations were below MDL and NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.005 mg/L during the 1st and 4th quarters to 0.0173 mg/L during the 2nd quarter of the reporting period. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from <0.005 mg/L during the 1st and 4th quarters to 0.0206 mg/L during the 3rd quarter of the reporting period. 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 fluorene (0.000294 mg/L) and dibenzofuran (0.00116 mg/L), which are below WQCC standards.

Monitor well MW-14 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0264 mg/L during the 4th quarter to 0.0933 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 ranged from <0.001 mg/L during the 1st and 4th quarters to 0.0310 mg/L during the 2nd quarter of 2008. Toluene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0609 mg/L during the 1st quarter to 0.2080 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 0.399 mg/L during the 4th quarter to 0.787 mg/L during the 3rd quarter of 2008. Xylene concentrations were below the NMOCD regulatory standard during 1st, 2nd and 4th quarters and above the regulatory standard during the 4th quarter of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00328 mg/L), 1-methylnaphthalene (0.00314 mg/L) and 2-methylnaphthalene (0.00298 mg/L), fluorene (0.000417 mg/L), phenanthrene (0.000311 mg/L) and dibenzofuran (0.000355 mg/L), which are below WQCC standards.

Monitor well MW-15 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.556 mg/L during the 1st quarter to 4.310 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 MDL and NMOCD regulatory standards during all four quarters of 2008. Ethylbenzene concentrations ranged from <0.05 mg/L during the 1st quarter to 0.348 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 0.135 mg/L during the 1st quarter to 0.387 mg/L during the 3rd quarter of 2008. Xylene concentrations were below the NMOCD regulatory standard during the all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00993 mg/L), 1-methylnaphthalene (0.00525 mg/L) and 2-methylnaphthalene (0.00386 mg/L), fluorene (0.000558 mg/L), phenanthrene (0.000384 mg/L) and dibenzofuran (0.000687 mg/L), which are below WQCC standards.

Monitor well MW-16 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during the 2nd and 4th quarter sampling events. 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. PSH thicknesses of 1.29 feet, 0.71 feet and 1.39 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 10.10 mg/L.

Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 2.440 mg/L. Ethylbenzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.792 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.500 mg/L. Analytical results indicated a total TPH result of 70.3 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.075 mg/L), 1-methylnaphthalene (0.0857 mg/L) and 2-methylnaphthalene (0.0912 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0085 mg/L), phenanthrene (0.0104 mg/L) and dibenzofuran (0.00817 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. There are currently fourteen monitor wells (MW-2 through MW-7, and MW-9 through MW-16) and one recovery well (RW-1) on site. Manual PSH recovery is currently being performed on a weekly basis at the site. Groundwater elevation contours generated from water level measurements indicate a general gradient of approximately 0.002 feet/foot to the southeast.

Six monitor wells (MW-2 through MW-6, MW-9) and the recovery well (RW-1) contained measurable PSH thicknesses during each quarterly sampling event of 2008 and were not sampled during the 1st, 2nd and 3rd quarters of the reporting period. Approximately 494 gallons (approximately 12 barrels) of PSH was recovered from the site during the 2008 reporting period. A total of approximately 7,333 gallons (approximately 175 barrels) of PSH have been recovered since project inception. The average thickness of PSH in monitor wells and recovery wells displaying PSH was 0.80 feet. Generally, 2008 PSH thickness data indicates declining PSH thicknesses in the affected monitor and recovery wells.

Five monitor wells exhibited BTEX constituent concentrations below NMOCD regulatory standards. Three monitor wells (MW-13 through MW-15) exhibited one or more BTEX constituent concentrations above the NMOCD regulatory standards.

ANTICIPATED ACTIONS

PSH recovery, quarterly groundwater monitoring and sampling will continue in 2009. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2010. In October 2008, an *Enhanced Recovery System Workplan* was submitted and subsequently approved by the NMOCD. The automated system is scheduled for installation during the 2nd and 3rd quarters of 2009. Plains has scheduled the installation of a new well located down gradient of monitor well MW-13 for the 2nd quarter of 2009.

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
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FIGURES

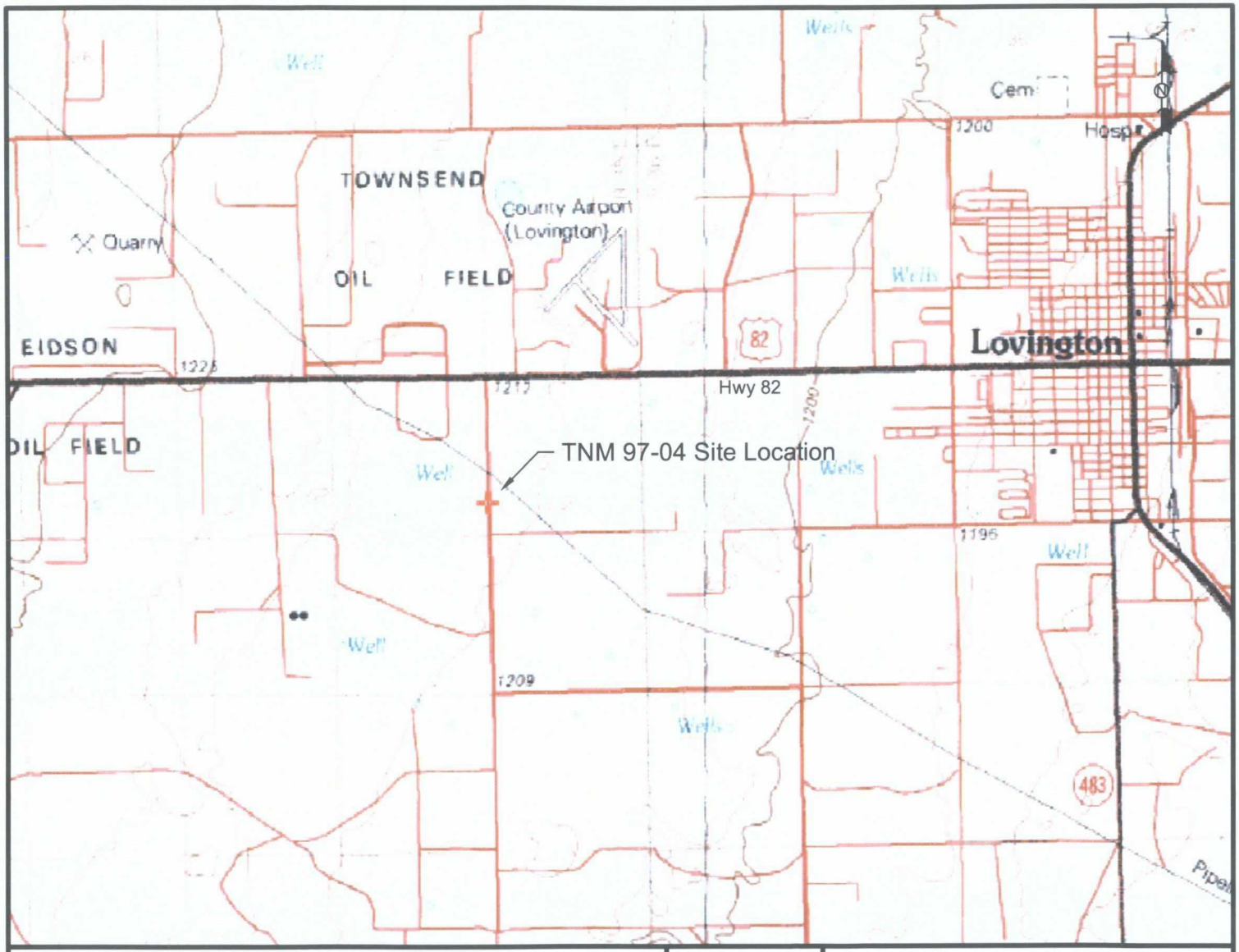
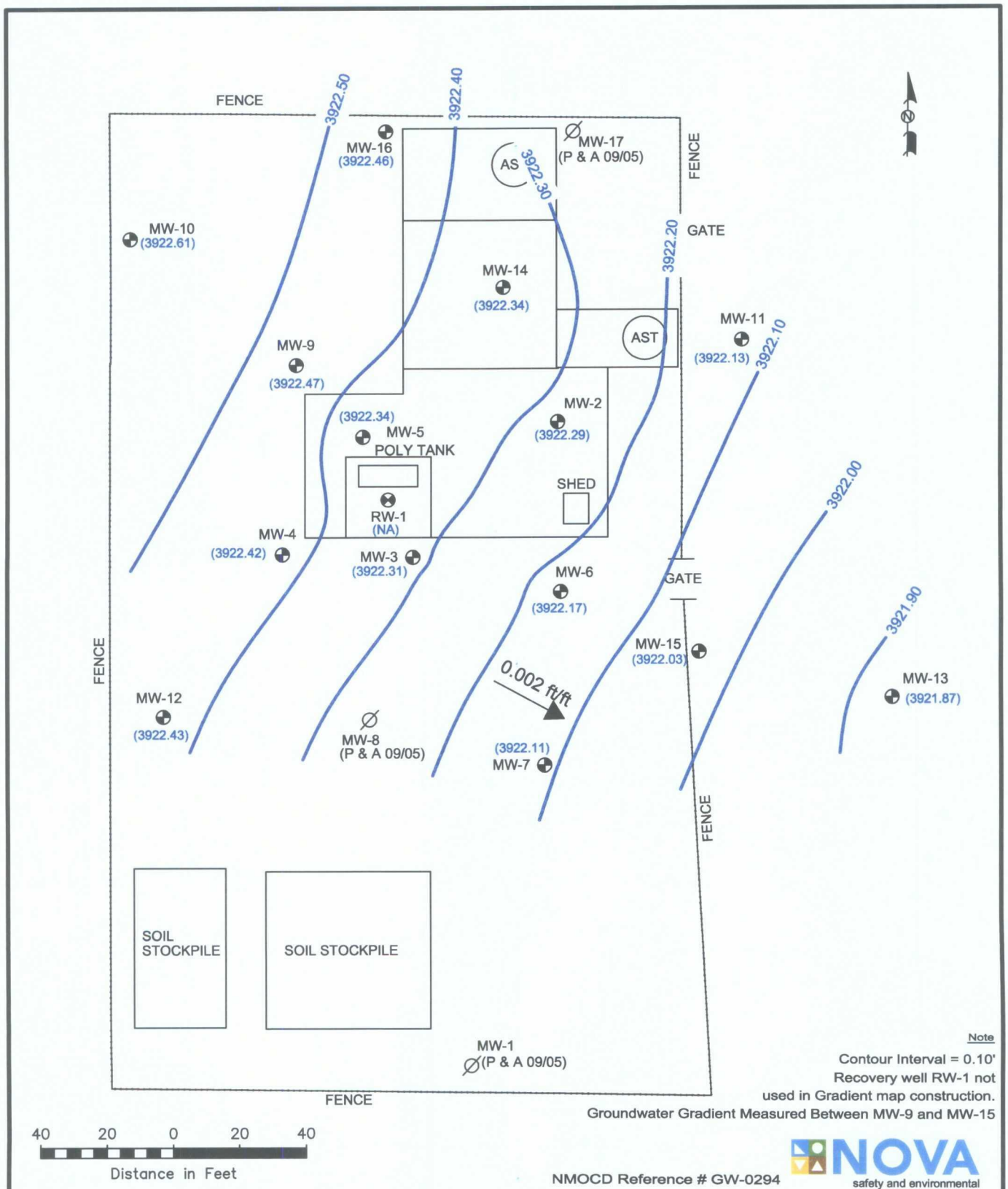


Figure 1
Site Location Map
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NMOCD Reference # GW-0294

NOVA Safety and Environmental

Scale:1" = 5000'	Prep By: CDS	Checked By: CDS
February 26, 2005	SE 1/4, SE 1/4, Sec 11 T16S R35E	
Lat. N32° 557' 57.1" Long. W103° 25' 12.3"		



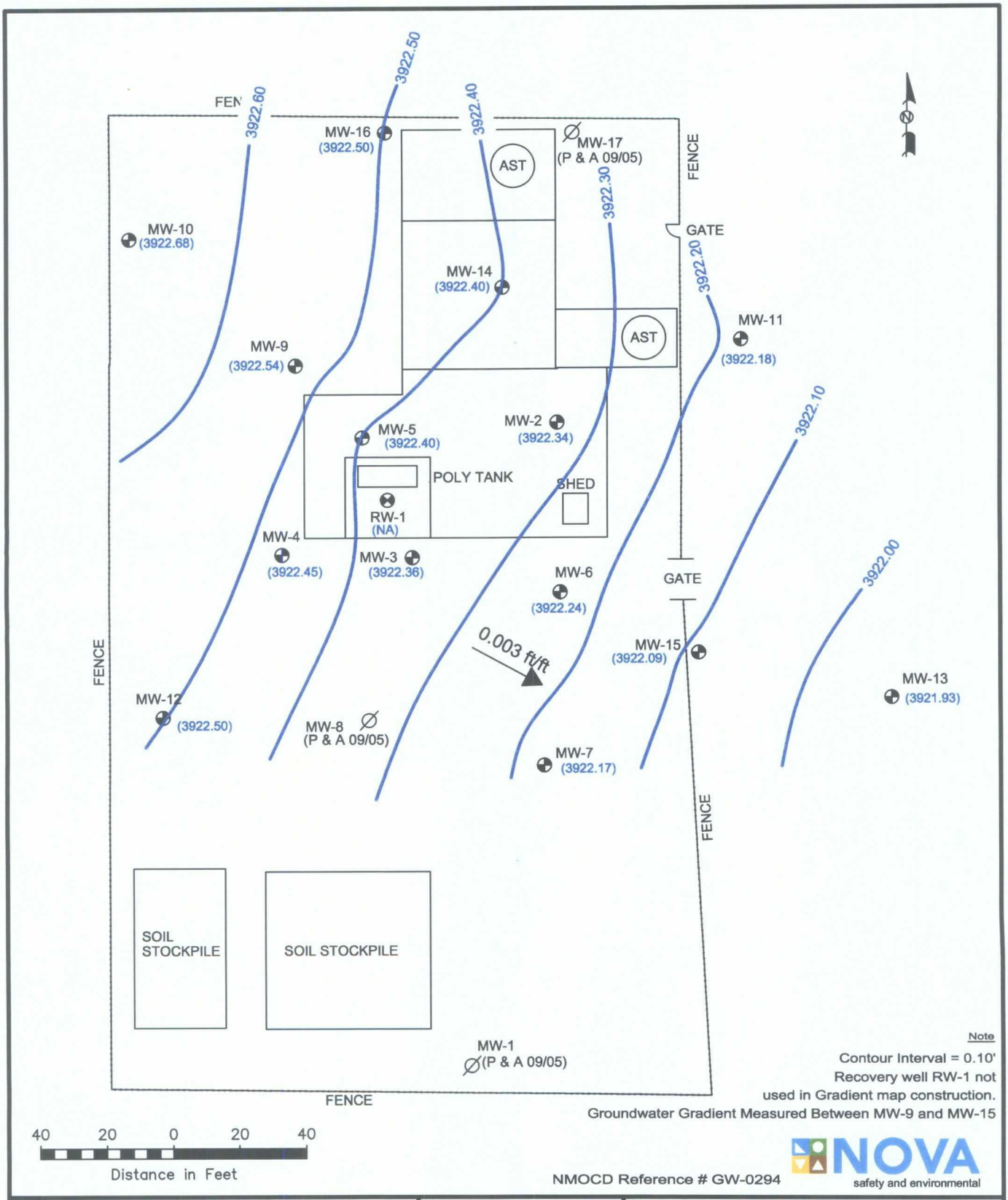
LEGEND:

- Monitor Well Location
- Groundwater Contour Lines
- (3921.20) Groundwater Elevation in Feet
- (NA) Not Available

Figure 2A
Inferred Groundwater Gradient Map
(03/07/08)
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	CAD By: DGC	Checked By: CDS
October 10, 2008	NW1/4 SE1/4 Sec 18 T18S R36E	
	Lat. N32° 44' 50.3" Long. W103° 23' 38.5"	



Note

Contour Interval = 0.10'

Recovery well RW-1 not used in Gradient map construction.

Groundwater Gradient Measured Between MW-9 and MW-15

NMOCD Reference # GW-0294

NOVA safety and environmental

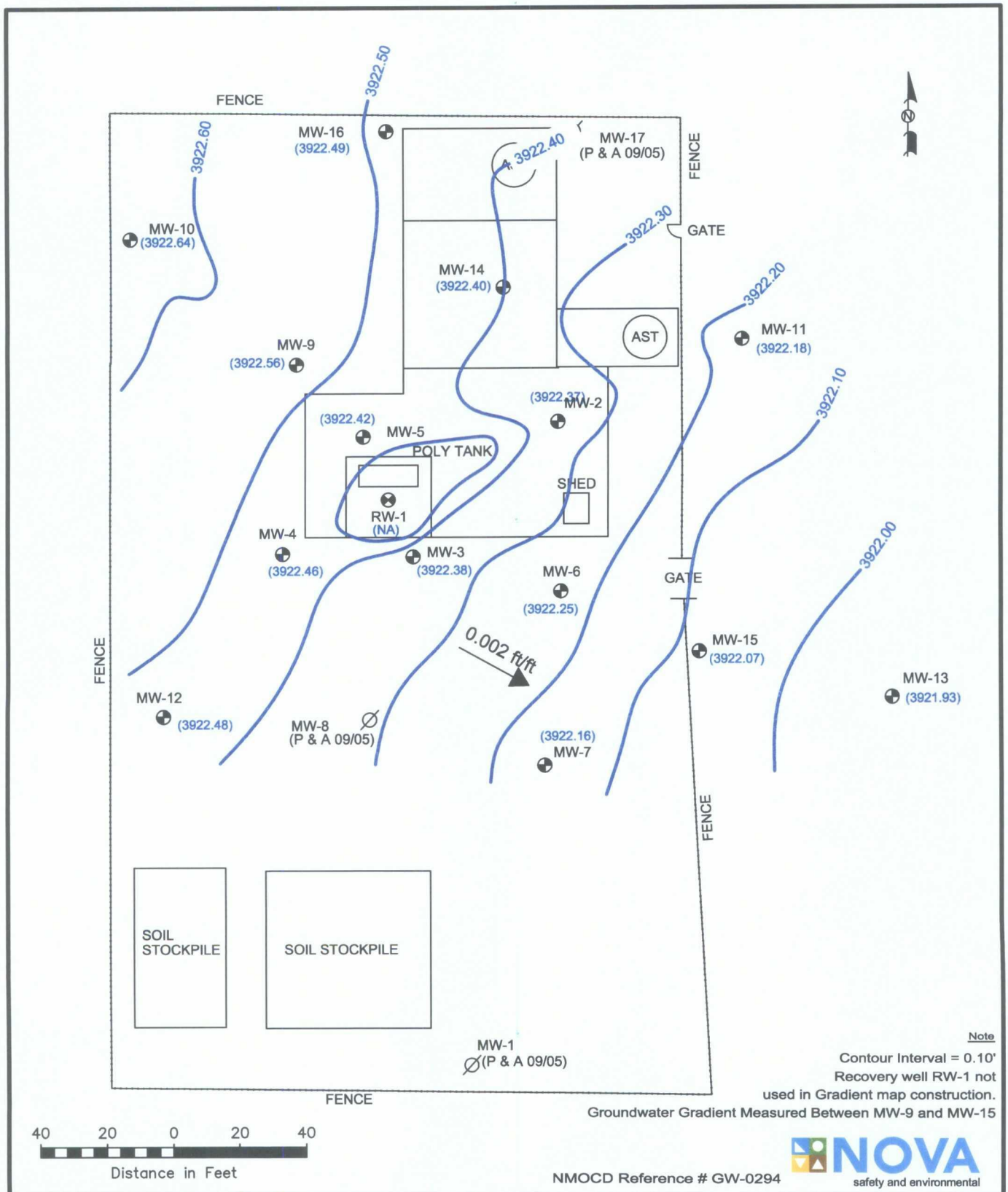
LEGEND:

- Monitor Well Location
- Groundwater Contour Lines
- (3921.20) Groundwater Elevation in Feet
- (NA) Not Available

Figure 2B
Inferred Groundwater Gradient Map
(06/02/08)
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	CAD By: DGC	Checked By: CDS
October 10, 2008	NW1/4 SE1/4 Sec 18 T18S R36E	
	Lat. N32° 44' 50.3" Long. W103° 23' 38.5"	



Note

Contour Interval = 0.10'

Recovery well RW-1 not used in Gradient map construction.

Groundwater Gradient Measured Between MW-9 and MW-15

NMOCD Reference # GW-0294

NOVA safety and environmental

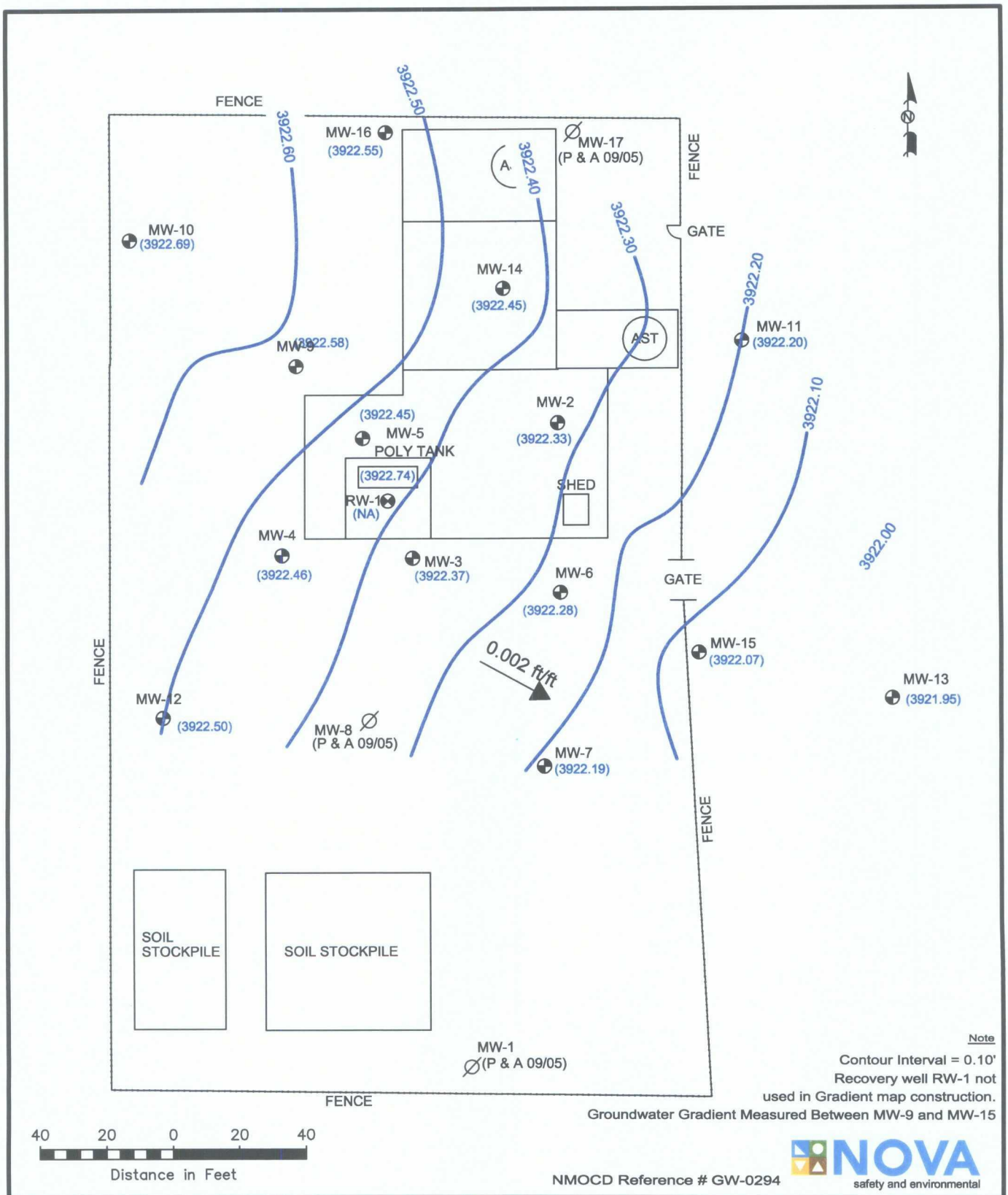
LEGEND:

- Monitor Well Location
- Groundwater Contour Lines
- (3921.20) Groundwater Elevation in Feet
- (NA) Not Available

Figure 2C
Inferred Groundwater Gradient Map
(09/03/08)
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	CAD By: DGC	Checked By: CDS
October 10, 2008	NW1/4 SE1/4 Sec 18 T18S R36E	
	Lat. N32° 44' 50.3" Long. W103° 23' 38.5"	



Note

Contour Interval = 0.10'

Recovery well RW-1 not used in Gradient map construction.

Groundwater Gradient Measured Between MW-9 and MW-15

NMOCD Reference # GW-0294

NOVA safety and environmental

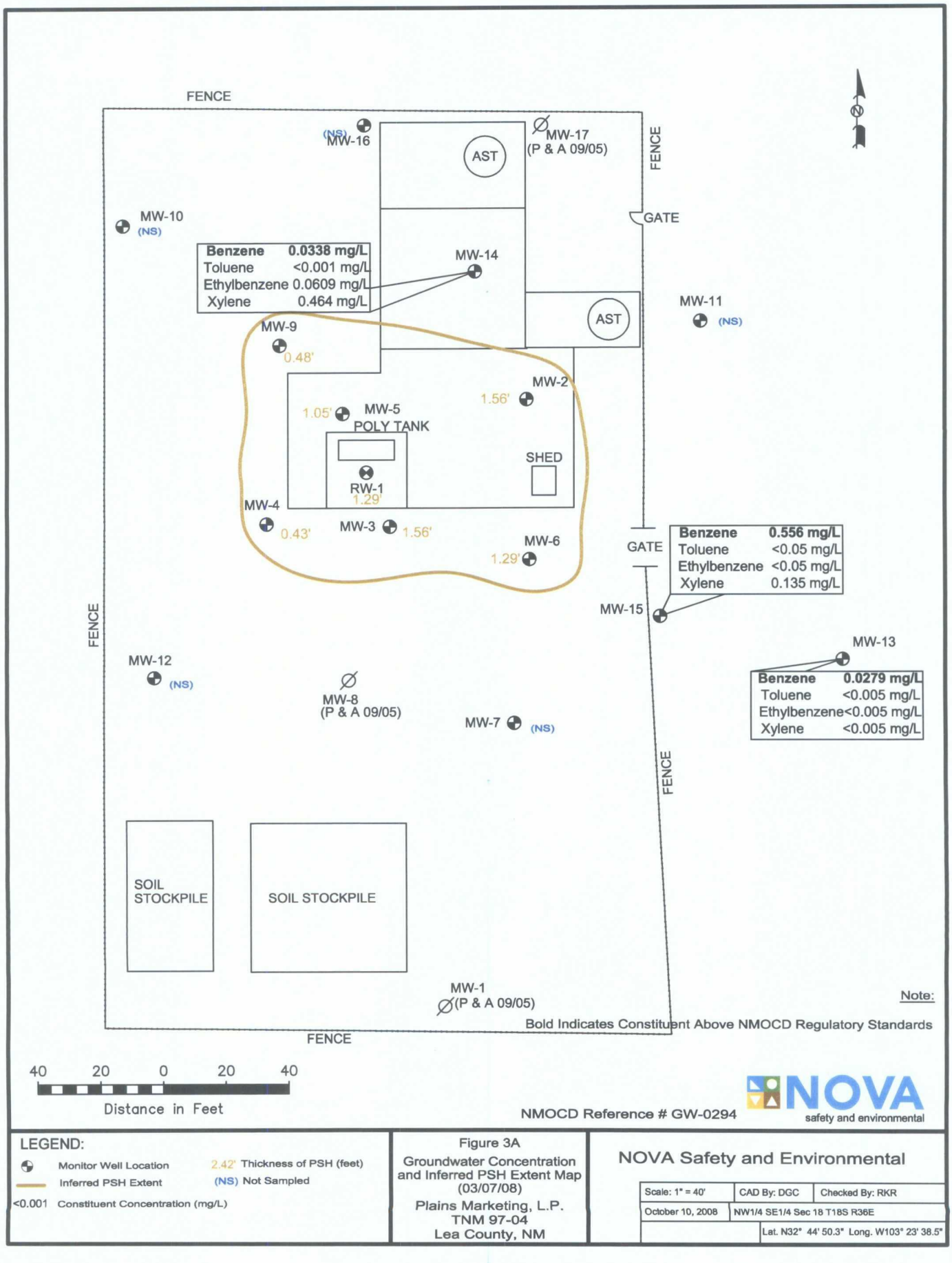
LEGEND:

- Monitor Well Location
- Groundwater Contour Lines
- (3921.20) Groundwater Elevation in Feet
- (NA) Not Available

Figure 2D
Inferred Groundwater Gradient Map
(12/08/08)
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	CAD By: DGC	Checked By: RKR
December 15, 2008	NW1/4 SE1/4 Sec 18 T18S R36E	
	Lat. N32° 44' 50.3" Long. W103° 23' 38.5"	



LEGEND:

- Monitor Well Location
- Inferred PSH Extent
- 2.42' Thickness of PSH (feet)
- (NS) Not Sampled
- <0.001 Constituent Concentration (mg/L)

Figure 3A
Groundwater Concentration and Inferred PSH Extent Map (03/07/08)
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	CAD By: DGC	Checked By: RKR
October 10, 2008	NW1/4 SE1/4 Sec 18 T18S R36E	
	Lat. N32° 44' 50.3" Long. W103° 23' 38.5"	

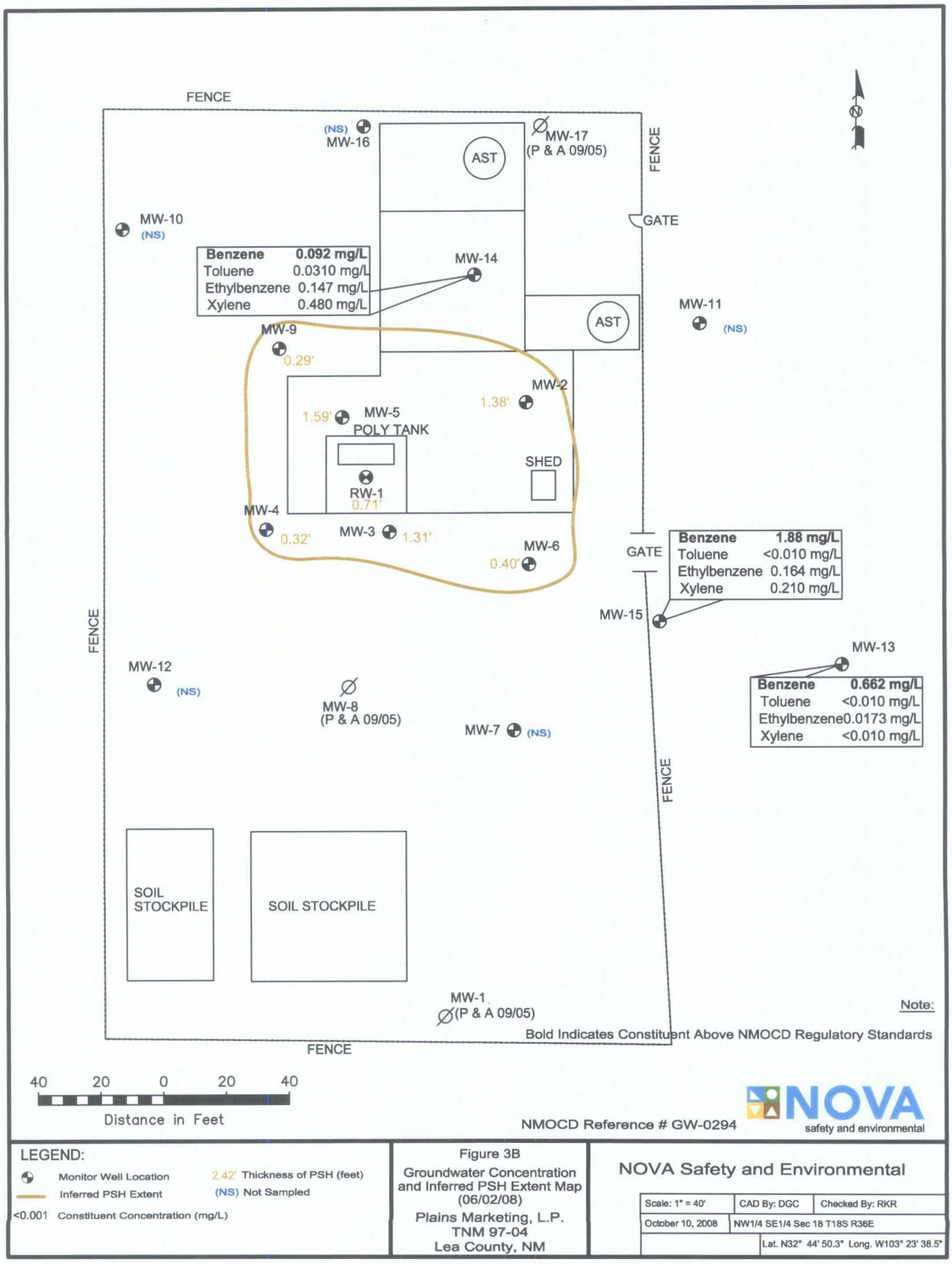


Figure 3B
Groundwater Concentration and Inferred PSH Extent Map (06/02/08)
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	CAD By: DGC	Checked By: RKR
October 10, 2008	NW1/4 SE1/4 Sec 18 T18S R36E	
	Lat. N32° 44' 50.3" Long. W103° 23' 38.5"	

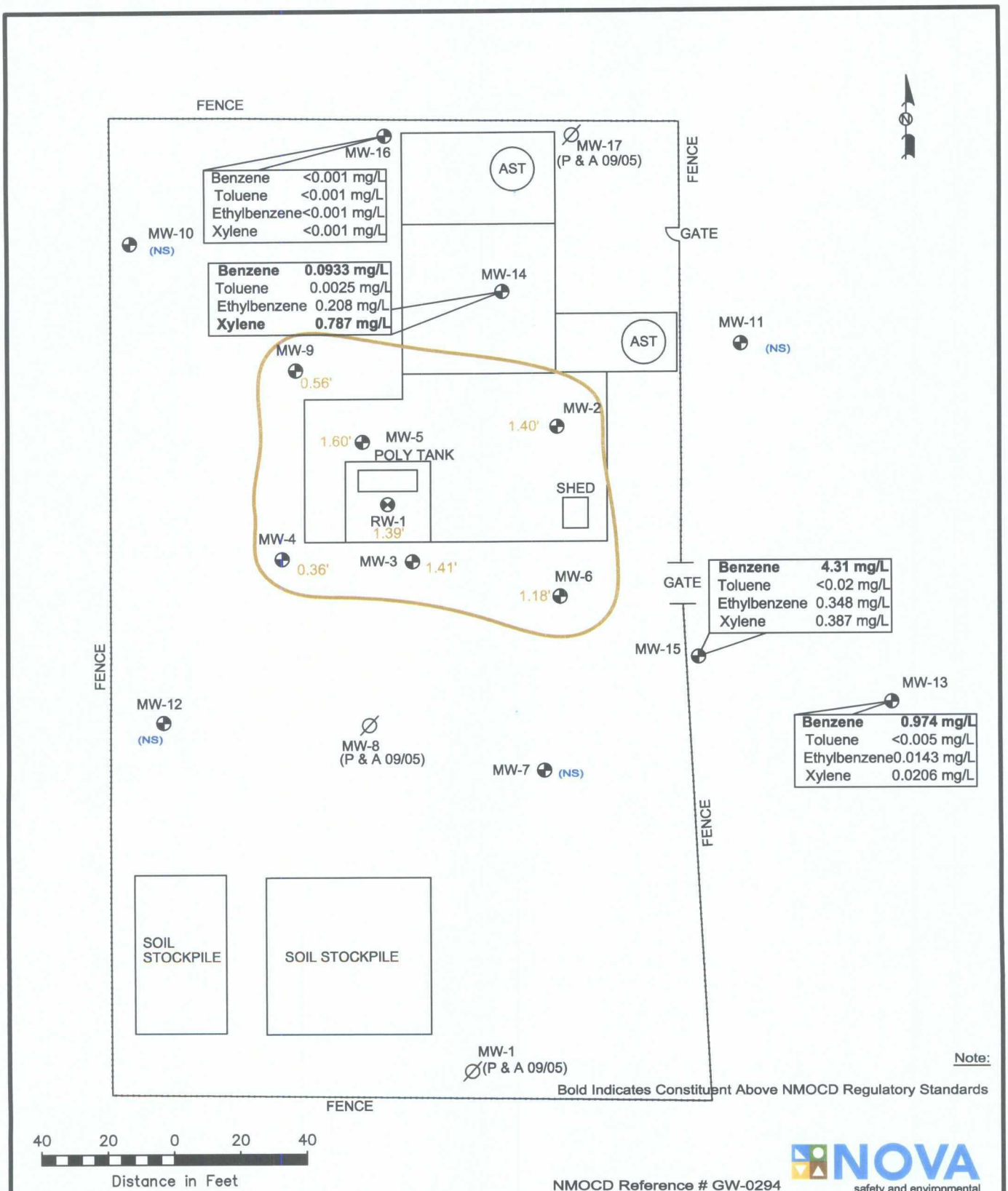
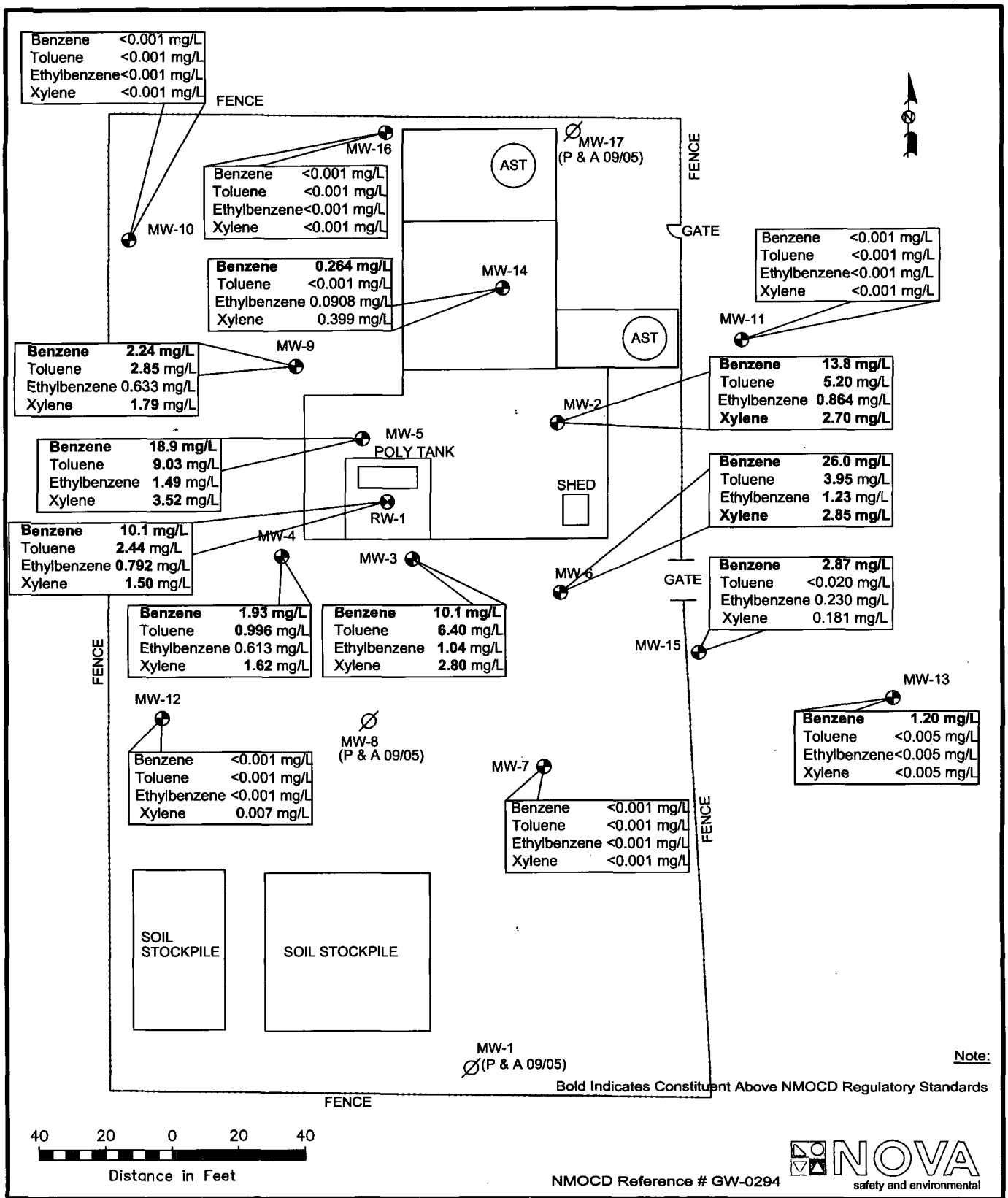


Figure 3C
Groundwater Concentration and Inferred PSH Extent Map (09/03/08)
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	CAD By: MWG	Checked By: RKR
January 01, 2008	NW1/4 SE1/4 Sec 18 T18S R36E	
	Lat. N32° 44' 50.3" Long. W103° 23' 38.5"	



LEGEND:

- Monitor Well Location
- Inferred PSH Extent
- <0.001 Constituent Concentration (mg/L)
- 2.42' Thickness of PSH (feet)
- (NS) Not Sampled
- * = <0.001 mg/L

Figure 3D
Groundwater Concentration and Inferred PSH Extent Map (12/08/08)
Plains Marketing, L.P.
TNM 97-04
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 40'	CAD By: MWG	Checked By: RKR
January 01, 2008	NW1/4 SE1/4 Sec 18 T18S R36E	
	Lat. N32° 44' 50.3" Long. W103° 23' 38.5"	

TABLES

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	01/10/08	3974.62	52.08	53.79	1.71	3922.28
MW - 2	01/17/08	3974.62	52.10	53.79	1.69	3922.27
MW - 2	01/22/08	3974.62	52.08	53.74	1.66	3922.29
MW - 2	02/06/08 #1	3974.62	52.10	53.71	1.61	3922.28
MW - 2	02/06/08 #2	3974.62	52.32	52.79	0.47	3922.23
MW - 2	02/12/08#1	3974.62	52.11	53.72	1.61	3922.27
MW - 2	02/12/08#2	3974.62	52.34	52.68	0.34	3922.23
MW - 2	02/20/08 #1	3974.62	52.11	53.70	1.59	3922.27
MW - 2	02/20/08 #2	3974.62	52.30	52.78	0.48	3922.25
MW - 2	02/27/08 #1	3974.62	52.11	53.67	1.56	3922.28
MW - 2	02/27/08 #2	3974.62	52.28	52.87	0.59	3922.25
MW - 2	*03/07/08*	3974.62	52.10	53.66	1.56	3922.29
MW - 2	03/12/08 #1	3974.62	52.10	53.66	1.56	3922.29
MW - 2	03/12/08 #2	3974.62	52.29	52.30	0.01	3922.33
MW - 2	03/20/08 #1	3974.62	52.10	53.65	1.55	3922.29
MW - 2	03/20/08#2	3974.62	52.29	52.76	0.47	3922.26
MW - 2	03/23/08 #1	3974.62	52.09	53.64	1.55	3922.30
MW - 2	03/23/08 #2	3974.62	52.30	52.31	0.01	3922.32
MW - 2	04/2/08 #1	3974.62	52.09	53.60	1.51	3922.30
MW - 2	04/2/08 #2	3974.62	52.23	52.89	0.66	3922.29
MW - 2	04/9/08 #1	3974.62	52.09	53.59	1.50	3922.31
MW - 2	04/9/08 #2	3974.62	52.23	52.92	0.69	3922.29
MW - 2	04/16/08	3974.62	52.06	53.57	1.51	3922.33
MW - 2	04/23/08	3974.62	52.08	53.57	1.49	3922.32
MW - 2	04/30/08	3974.62	52.08	53.55	1.47	3922.32
MW - 2	05/29/08	3974.62	52.07	53.50	1.43	3922.34
MW - 2	*06/02/08*	3974.62	52.07	53.45	1.38	3922.34
MW - 2	06/03/08	3974.62	52.07	53.45	1.38	3922.34
MW - 2	06/11/08	3974.62	52.07	53.52	1.45	3922.33
MW - 2	06/18/08	3974.62	52.07	53.52	1.45	3922.33
MW - 2	06/23/08	3974.62	52.08	53.48	1.40	3922.33
MW - 2	07/01/08	3974.62	52.09	53.51	1.42	3922.32
MW - 2	07/09/08	3974.62	52.09	53.51	1.42	3922.32
MW - 2	07/15/08	3974.62	52.08	53.45	1.37	3922.33
MW - 2	07/22/08	3974.62	52.08	53.48	1.40	3922.33
MW - 2	08/02/08	3974.62	52.08	53.38	1.30	3922.35
MW - 2	08/13/08	3974.62	52.08	53.46	1.38	3922.33
MW - 2	*09/03/08*	3974.62	52.04	53.44	1.40	3922.37
MW - 2	09/11/08	3974.62	52.07	53.45	1.38	3922.34
MW - 2	09/19/08	3974.62	52.05	53.41	1.36	3922.37
MW - 2	09/26/08	3974.62	52.06	53.41	1.35	3922.36
MW - 2	10/10/08	3974.62	52.06	53.41	1.35	3922.36
MW - 2	10/17/08	3974.62	52.08	53.37	1.29	3922.35
MW - 2	10/21/08	3974.62	52.17	53.35	1.18	3922.27

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	10/30/08	3974.62	52.05	53.36	1.31	3922.37
MW - 2	11/04/08	3974.62	52.08	53.36	1.28	3922.35
MW - 2	11/18/08	3974.62	52.08	53.36	1.28	3922.35
MW - 2	11/25/08	3974.62	52.08	53.35	1.27	3922.35
MW - 2	11/25/08	3974.62	52.71	52.72	0.01	3921.91
MW - 2	*12/10/08*	3974.62	52.09	53.44	1.35	3922.33
MW - 2	12/18/08	3974.62	52.05	53.34	1.29	3922.38
MW - 3	*03/07/08*	3974.60	52.06	53.62	1.56	3922.31
MW - 3	05/29/08	3974.60	52.04	53.41	1.37	3922.35
MW - 3	*06/02/08*	3974.60	52.04	53.35	1.31	3922.36
MW - 3	06/03/08	3974.60	52.04	53.35	1.31	3922.36
MW - 3	08/02/08	3974.60	52.05	53.45	1.40	3922.34
MW - 3	*09/03/08*	3974.60	52.01	53.42	1.41	3922.38
MW - 3	09/19/08	3974.60	52.13	53.38	1.25	3922.28
MW - 3	09/26/08	3974.60	52.08	53.38	1.30	3922.33
MW - 3	10/10/08	3974.60	52.01	53.34	1.33	3922.39
MW - 3	10/17/08	3974.60	52.04	53.32	1.28	3922.37
MW - 3	10/21/08	3974.60	52.06	53.33	1.27	3922.35
MW - 3	10/30/08	3974.60	52.03	53.30	1.27	3922.38
MW - 3	11/04/08	3974.60	52.03	53.26	1.23	3922.39
MW - 3	11/18/08	3974.60	52.03	53.30	1.27	3922.38
MW - 3	11/25/08	3974.60	52.06	53.33	1.27	3922.35
MW - 3	*12/10/08*	3974.60	52.04	53.29	1.25	3922.37
MW - 3	12/18/08	3974.60	52.02	53.31	1.29	3922.39
MW - 4	01/10/08	3974.53	52.05	52.60	0.55	3922.40
MW - 4	01/17/08	3974.53	52.09	52.60	0.51	3922.36
MW - 4	01/22/08	3974.53	52.08	52.58	0.50	3922.38
MW - 4	02/06/08 #1	3974.53	52.09	52.55	0.46	3922.37
MW - 4	02/06/08 #2	3974.53	52.15	52.25	0.10	3922.37
MW - 4	2/12/08 #1	3974.53	52.09	52.56	0.47	3922.37
MW - 4	2/12/08 #2	3974.53	52.16	52.24	0.08	3922.36
MW - 4	2/20/08 #1	3974.53	52.07	52.25	0.18	3922.43
MW - 4	2/20/08 #2	3974.53	52.14	52.25	0.11	3922.37
MW - 4	2/27/08 #1	3974.53	52.08	52.51	0.43	3922.39
MW - 4	2/27/08 #2	3974.53	52.12	52.25	0.13	3922.39
MW - 4	*03/07/08*	3974.53	52.05	52.48	0.43	3922.42
MW - 4	03/12/08 #1	3974.53	52.05	52.48	0.43	3922.42
MW - 4	03/12/08 #2	3974.53	52.11	52.21	0.10	3922.41
MW - 4	03/20/08 #1	3974.53	52.06	52.47	0.41	3922.41
MW - 4	03/20/08 #2	3974.53	52.11	52.13	0.02	3922.42
MW - 4	03/23/08 #1	3974.53	52.06	52.47	0.41	3922.41
MW - 4	03/23/08 #2	3974.53	52.11	52.22	0.11	3922.40

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	04/2/08 #1	3974.53	52.07	52.45	0.38	3922.40
MW - 4	04/2/08 #2	3974.53	52.09	52.26	0.17	3922.41
MW - 4	04/9/08 #1	3974.53	52.05	52.45	0.40	3922.42
MW - 4	04/9/08 #2	3974.53	52.09	52.26	0.17	3922.41
MW - 4	04/16/08	3974.53	52.06	52.42	0.36	3922.42
MW - 4	04/23/08	3974.53	52.05	52.45	0.40	3922.42
MW - 4	04/30/08	3974.53	52.05	52.41	0.36	3922.43
MW - 4	05/29/08	3974.53	52.05	52.38	0.33	3922.43
MW - 4	*06/02/08*	3974.53	52.03	52.35	0.32	3922.45
MW - 4	06/03/08	3974.53	52.03	52.35	0.32	3922.45
MW - 4	06/11/08	3974.53	52.03	52.38	0.35	3922.45
MW - 4	06/18/08	3974.53	52.04	52.38	0.34	3922.44
MW - 4	06/23/08	3974.53	52.03	52.36	0.33	3922.45
MW - 4	07/01/08	3974.53	52.05	52.38	0.33	3922.43
MW - 4	07/09/08	3974.53	52.05	52.39	0.34	3922.43
MW - 4	07/15/08	3974.53	52.03	52.37	0.34	3922.45
MW - 4	07/22/08	3974.53	52.03	52.35	0.32	3922.45
MW - 4	08/02/08	3974.53	52.02	52.38	0.36	3922.46
MW - 4	08/13/08	3974.53	52.02	52.55	0.53	3922.43
MW - 4	*09/03/08*	3974.53	52.02	52.38	0.36	3922.46
MW - 4	09/11/08	3974.53	52.03	52.38	0.35	3922.45
MW - 4	09/19/08	3974.53	52.01	52.33	0.32	3922.47
MW - 4	09/26/08	3974.53	52.02	52.33	0.31	3922.46
MW - 4	10/10/08	3974.53	52.02	52.33	0.31	3922.46
MW - 4	10/17/08	3974.53	52.02	52.29	0.27	3922.47
MW - 4	10/21/08	3974.53	52.04	52.30	0.26	3922.45
MW - 4	10/30/08	3974.53	52.02	52.30	0.28	3922.47
MW - 4	11/04/08	3974.53	52.02	52.32	0.30	3922.47
MW - 4	11/18/08	3974.53	52.04	52.30	0.26	3922.45
MW - 4	11/25/08	3974.53	52.05	52.29	0.24	3922.44
MW - 4	*12/10/08*	3974.53	52.03	52.32	0.29	3922.46
MW - 4	12/18/08	3974.53	52.03	52.30	0.27	3922.46
MW - 5	*03/07/08*	3974.27	51.77	52.82	1.05	3922.34
MW - 5	03/12/08 #1	3974.27	51.77	52.82	1.05	3922.34
MW - 5	03/12/08 #2	3974.27	51.82	52.50	0.68	3922.35
MW - 5	03/20/08 #1	3974.27	51.78	52.83	1.05	3922.33
MW - 5	03/20/08 #2	3974.27	51.81	52.57	0.76	3922.35
MW - 5	03/23/08 #1	3974.27	51.84	52.88	1.04	3922.27
MW - 5	03/23/08 #2	3974.27	51.82	52.39	0.57	3922.36
MW - 5	04/2/08 #1	3974.27	51.79	52.99	1.20	3922.30
MW - 5	04/2/08 #2	3974.27	51.76	52.62	0.86	3922.38
MW - 5	04/9/08 #1	3974.27	51.71	53.11	1.40	3922.35
MW - 5	04/9/08 #2	3974.27	51.79	52.65	0.86	3922.35

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	04/16/08	3974.27	51.73	52.82	1.09	3922.38
MW - 5	04/30/08	3974.27	51.78	52.97	1.19	3922.31
MW - 5	05/29/08	3974.27	51.63	53.27	1.64	3922.39
MW - 5	*06/02/08*	3974.27	51.63	53.22	1.59	3922.40
MW - 5	06/03/08	3974.27	51.63	53.22	1.59	3922.40
MW - 5	06/11/08	3974.27	51.62	53.25	1.63	3922.41
MW - 5	06/18/08	3974.27	51.62	53.26	1.64	3922.40
MW - 5	06/23/08	3974.27	51.63	53.23	1.60	3922.40
MW - 5	07/01/08	3974.27	51.61	53.22	1.61	3922.42
MW - 5	07/09/08	3974.27	51.65	53.26	1.61	3922.38
MW - 5	07/15/08	3974.27	51.60	53.22	1.62	3922.43
MW - 5	07/22/08	3974.27	51.63	53.21	1.58	3922.40
MW - 5	08/02/08	3974.27	51.62	53.22	1.60	3922.41
MW - 5	08/13/08	3974.27	51.62	53.21	1.59	3922.41
MW - 5	*09/03/08*	3974.27	51.61	53.21	1.60	3922.42
MW - 5	09/11/08	3974.27	51.61	53.20	1.59	3922.42
MW - 5	09/19/08	3974.27	51.60	53.16	1.56	3922.44
MW - 5	09/26/08	3974.27	51.60	53.16	1.56	3922.44
MW - 5	10/10/08	3974.27	51.61	53.18	1.57	3922.42
MW - 5	10/17/08	3974.27	51.61	53.13	1.52	3922.43
MW - 5	10/21/08	3974.27	51.89	53.26	1.37	3922.17
MW - 5	10/30/08	3974.27	51.60	53.11	1.51	3922.44
MW - 5	11/04/08	3974.27	51.61	53.13	1.52	3922.43
MW - 5	11/18/08	3974.27	51.61	53.10	1.49	3922.44
MW - 5	11/25/08	3974.27	51.61	53.12	1.51	3922.43
MW - 5	*12/10/08*	3974.27	51.59	53.13	1.54	3922.45
MW - 5	12/18/08	3974.27	51.60	53.11	1.51	3922.44
MW - 6	*03/07/08*	3974.72	52.36	53.65	1.29	3922.17
MW - 6	03/12/08 #1	3974.72	52.36	53.65	1.29	3922.17
MW - 6	03/12/08#2	3974.72	52.50	52.67	0.17	3922.19
MW - 6	03/20/08 #1	3974.72	52.45	53.09	0.64	3922.17
MW - 6	03/20/08#2	3974.72	52.42	53.12	0.70	3922.20
MW - 6	03/23/08 #1	3974.72	52.43	53.02	0.59	3922.20
MW - 6	03/23/08 #2	3974.72	52.51	52.61	0.10	3922.20
MW - 6	04/2/08 #1	3974.72	52.50	52.98	0.48	3922.15
MW - 6	04/2/08 #2	3974.72	52.49	52.72	0.23	3922.20
MW - 6	04/9/08 #1	3974.72	52.41	52.95	0.54	3922.23
MW - 6	04/9/08 #2	3974.72	52.48	52.65	0.17	3922.21
MW - 6	04/16/08	3974.72	52.42	52.97	0.55	3922.22
MW - 6	04/23/08	3974.72	52.44	52.91	0.47	3922.21
MW - 6	04/30/08	3974.72	52.42	52.93	0.51	3922.22
MW - 6	05/29/08	3974.72	52.39	52.96	0.57	3922.24
MW - 6	*06/02/08*	3974.72	52.42	52.82	0.40	3922.24

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	06/03/08	3974.72	52.42	52.82	0.40	3922.24
MW - 6	06/11/08	3974.72	52.40	52.99	0.59	3922.23
MW - 6	06/18/08	3974.72	52.43	52.89	0.46	3922.22
MW - 6	06/23/08	3974.72	52.42	52.79	0.37	3922.24
MW - 6	07/01/08	3974.72	52.41	52.97	0.56	3922.23
MW - 6	07/09/08	3974.72	52.42	52.95	0.53	3922.22
MW - 6	07/15/08	3974.72	52.42	52.85	0.43	3922.24
MW - 6	07/22/08	3974.72	52.38	53.00	0.62	3922.25
MW - 6	08/02/08	3974.72	52.36	53.10	0.74	3922.25
MW - 6	08/13/08	3974.72	52.36	53.18	0.82	3922.24
MW - 6	*09/03/08*	3974.72	52.29	53.47	1.18	3922.25
MW - 6	09/11/08	3974.72	52.41	52.91	0.50	3922.24
MW - 6	09/19/08	3974.72	52.40	52.89	0.49	3922.25
MW - 6	09/26/08	3974.72	52.38	52.92	0.54	3922.26
MW - 6	10/10/08	3974.72	52.39	52.91	0.52	3922.25
MW - 6	10/17/08	3974.72	52.41	52.81	0.40	3922.25
MW - 6	10/21/08	3974.72	52.42	52.74	0.32	3922.25
MW - 6	10/30/08	3974.72	52.38	52.90	0.52	3922.26
MW - 6	11/04/08	3974.72	52.42	52.78	0.36	3922.25
MW - 6	11/18/08	3974.72	52.37	53.05	0.68	3922.25
MW - 6	11/25/08	3974.72	52.40	52.87	0.47	3922.25
MW - 6	*12/10/08*	3974.72	52.33	53.09	0.76	3922.28
MW - 6	12/18/08	3974.72	52.31	53.19	0.88	3922.28
MW - 7	*03/07/08*	3974.60	-	52.49	0.00	3922.11
MW - 7	*06/02/08*	3974.60	-	52.43	0.00	3922.17
MW - 7	*09/03/08*	3974.60	-	52.44	0.00	3922.16
MW - 7	*12/08/08*	3974.60	-	52.41	0.00	3922.19
MW - 9	01/10/08	3975.06	52.49	53.18	0.69	3922.47
MW - 9	01/17/08	3975.06	52.50	53.13	0.63	3922.47
MW - 9	01/22/08	3975.06	52.49	53.12	0.63	3922.48
MW - 9	02/06/08 #1	3975.06	52.53	52.97	0.44	3922.46
MW - 9	02/06/08 #2	3975.06	52.50	52.66	0.16	3922.54
MW - 9	02/12/08 #1	3975.06	52.54	52.90	0.36	3922.47
MW - 9	02/12/08 #2	3975.06	52.60	52.63	0.03	3922.46
MW - 9	02/20/08 #1	3975.06	52.52	52.93	0.41	3922.48
MW - 9	02/20/08 #2	3975.06	52.58	52.68	0.10	3922.47
MW - 9	02/27/08 #1	3975.06	52.52	52.91	0.39	3922.48
MW - 9	02/27/08 #2	3975.06	52.57	52.66	0.09	3922.48
MW - 9	*03/07/08*	3975.06	52.52	53.00	0.48	3922.47
MW - 9	03/12/08 #1	3975.06	52.52	53.00	0.48	3922.47
MW - 9	03/12/08 #2	3975.06	52.56	52.66	0.10	3922.49
MW - 9	03/20/08 #1	3975.06	52.50	52.92	0.42	3922.50

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	03/20/08#2	3975.06	52.54	52.70	0.16	3922.50
MW - 9	03/23/08 #1	3975.06	52.49	52.89	0.40	3922.51
MW - 9	03/23/08 #2	3975.06	52.55	52.63	0.08	3922.50
MW - 9	04/2/08 #1	3975.06	52.51	52.86	0.35	3922.50
MW - 9	04/2/08 #2	3975.06	52.54	52.68	0.14	3922.50
MW - 9	04/9/08 #1	3975.06	52.48	52.87	0.39	3922.52
MW - 9	04/9/08 #2	3975.06	52.53	52.72	0.19	3922.50
MW - 9	04/16/08	3975.06	52.48	52.89	0.41	3922.52
MW - 9	04/23/08	3975.06	52.49	52.86	0.37	3922.51
MW - 9	04/30/08	3975.06	52.47	52.90	0.43	3922.53
MW - 9	05/29/08	3975.06	52.48	52.85	0.37	3922.52
MW - 9	*06/02/08*	3975.06	52.48	52.77	0.29	3922.54
MW - 9	06/03/08	3975.06	52.48	52.77	0.29	3922.54
MW - 9	06/11/08	3975.06	52.47	52.87	0.40	3922.53
MW - 9	06/18/08	3975.06	52.47	52.89	0.42	3922.53
MW - 9	06/23/08	3975.06	52.49	52.78	0.29	3922.53
MW - 9	07/01/08	3975.06	52.48	52.86	0.38	3922.52
MW - 9	07/09/08	3975.06	52.59	52.86	0.27	3922.43
MW - 9	07/15/08	3975.06	52.48	52.80	0.32	3922.53
MW - 9	07/22/08	3975.06	52.47	52.85	0.38	3922.53
MW - 9	08/02/08	3975.06	52.46	52.90	0.44	3922.53
MW - 9	08/13/08	3975.06	52.45	52.88	0.43	3922.55
MW - 9	*09/03/08*	3975.06	52.42	52.98	0.56	3922.56
MW - 9	09/11/08	3975.06	52.46	52.85	0.39	3922.54
MW - 9	09/19/08	3975.06	52.44	52.82	0.38	3922.56
MW - 9	09/26/08	3975.06	52.46	52.81	0.35	3922.55
MW - 9	10/10/08	3975.06	52.44	52.81	0.37	3922.56
MW - 9	10/17/08	3975.06	52.47	52.78	0.31	3922.54
MW - 9	10/21/08	3975.06	52.46	52.70	0.24	3922.56
MW - 9	10/30/08	3975.06	52.45	52.78	0.33	3922.56
MW - 9	11/04/08	3975.06	52.46	52.75	0.29	3922.56
MW - 9	11/18/08	3975.06	52.46	52.84	0.38	3922.54
MW - 9	11/25/08	3975.06	52.46	52.76	0.30	3922.56
MW - 9	*12/10/08*	3975.06	52.42	52.84	0.42	3922.58
MW - 9	12/18/08	3975.06	52.43	52.80	0.37	3922.57
MW - 10	*03/07/08*	3975.02	-	52.41	0.00	3922.61
MW - 10	*06/02/08*	3975.02	-	52.34	0.00	3922.68
MW - 10	*09/03/08*	3975.02	-	52.38	0.00	3922.64
MW - 10	*12/08/08*	3975.02	-	52.33	0.00	3922.69
MW - 11	*03/07/08*	3975.30	-	53.17	0.00	3922.13
MW - 11	*06/02/08*	3975.30	-	53.12	0.00	3922.18
MW - 11	*09/03/08*	3975.30	-	53.12	0.00	3922.18

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 11	*12/08/08*	3975.30	-	53.10	0.00	3922.20
MW - 12	*03/07/08*	3974.55	-	52.12	0.00	3922.43
MW - 12	*06/02/08*	3974.55	-	52.05	0.00	3922.50
MW - 12	*09/03/08*	3974.55	-	52.07	0.00	3922.48
MW - 12	*12/08/08*	3974.55	-	52.05	0.00	3922.50
MW - 13	*03/07/08*	3975.00	-	53.13	0.00	3921.87
MW - 13	*06/02/08*	3975.00	-	53.07	0.00	3921.93
MW - 13	*09/03/08*	3975.00	-	53.07	0.00	3921.93
MW - 13	*12/08/08*	3975.00	-	53.05	0.00	3921.95
MW - 14	*03/07/08*	3976.15	-	53.81	0.00	3922.34
MW - 14	*06/02/08*	3976.15	-	53.75	0.00	3922.40
MW - 14	*09/03/08*	3976.15	-	53.75	0.00	3922.40
MW - 14	*12/08/08*	3976.15	-	53.70	0.00	3922.45
MW - 15	*03/07/08*	3974.69	-	52.66	0.00	3922.03
MW - 15	*06/02/08*	3974.69	-	52.60	0.00	3922.09
MW - 15	*09/03/08*	3974.69	-	52.62	0.00	3922.07
MW - 15	*12/08/08*	3974.69	-	52.62	0.00	3922.07
MW - 16	*03/07/08*	3975.12	-	52.66	0.00	3922.46
MW - 16	*06/02/08*	3975.12	-	52.62	0.00	3922.50
MW - 16	*09/03/08*	3975.12	-	52.63	0.00	3922.49
MW - 16	*12/08/08*	3975.12	-	52.57	0.00	3922.55
RW - 1	01/10/08	3970.79	47.90	49.50	1.60	3922.65
RW - 1	01/17/08	3970.79	47.92	49.37	1.45	3922.65
RW - 1	01/22/08	3970.79	47.90	49.43	1.53	3922.66
RW - 1	02/06/08	3970.79	47.90	49.05	1.15	3922.72
RW - 1	02/12/08 #1	3970.79	48.01	48.91	0.90	3922.65
RW - 1	02/12/08 #2	3970.79	48.19	48.21	0.02	3922.60
RW - 1	02/27/08 #1	3970.79	48.00	48.98	0.98	3922.64
RW - 1	02/27/08 #2	3970.79	48.15	48.21	0.06	3922.63
RW - 1	*03/07/08*	3970.79	47.92	49.21	1.29	3922.68
RW - 1	03/12/08 #1	3970.79	47.92	49.21	1.29	3922.68
RW - 1	03/12/08 #2	3970.79	48.04	48.31	0.27	3922.71
RW - 1	03/20/08#1	3970.79	48.23	48.50	0.27	3922.52
RW - 1	03/20/08#2	3970.79	48.10	48.45	0.35	3922.64
RW - 1	03/23/08 #1	3970.79	47.99	48.99	1.00	3922.65
RW - 1	03/23/08 #2	3970.79	48.17	48.21	0.04	3922.61
RW - 1	04/2/08 #1	3970.79	47.98	48.92	0.94	3922.67
RW - 1	04/2/08 #2	3970.79	48.09	48.42	0.33	3922.65

TABLE 1

2008 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	04/9/08 #1	3970.79	47.95	48.98	1.03	3922.69
RW - 1	04/9/08 #2	3970.79	48.12	48.15	0.03	3922.67
RW - 1	04/16/08	3970.79	47.98	48.87	0.89	3922.68
RW - 1	04/23/08	3970.79	47.98	48.91	0.93	3922.67
RW - 1	04/30/08	3970.79	47.92	49.07	1.15	3922.70
RW - 1	05/29/08	3970.79	47.97	48.85	0.88	3922.69
RW - 1	*06/02/08*	3970.79	47.99	48.70	0.71	3922.69
RW - 1	06/03/08	3970.79	47.99	48.70	0.71	3922.69
RW - 1	06/11/08	3970.79	47.91	48.99	1.08	3922.72
RW - 1	06/18/08	3970.79	47.96	48.84	0.88	3922.70
RW - 1	06/23/08	3970.79	47.99	48.70	0.71	3922.69
RW - 1	07/01/08	3970.79	47.94	49.02	1.08	3922.69
RW - 1	07/09/08	3970.79	47.95	48.91	0.96	3922.70
RW - 1	07/15/08	3970.79	47.98	48.76	0.78	3922.69
RW - 1	07/22/08	3970.79	47.94	49.00	1.06	3922.69
RW - 1	08/02/08	3970.79	47.92	48.96	1.04	3922.71
RW - 1	08/13/08	3970.79	47.90	49.03	1.13	3922.72
RW - 1	*09/03/08*	3970.79	47.83	49.22	1.39	3922.75
RW - 1	09/11/08	3970.79	47.94	48.86	0.92	3922.71
RW - 1	09/19/08	3970.79	47.91	48.85	0.94	3922.74
RW - 1	09/26/08	3970.79	47.89	49.00	1.11	3922.73
RW - 1	10/10/08	3970.79	47.91	48.84	0.93	3922.74
RW - 1	10/17/08	3970.79	47.74	47.93	0.19	3923.02
RW - 1	10/21/08	3970.79	47.95	48.52	0.57	3922.75
RW - 1	10/30/08	3970.79	47.89	48.95	1.06	3922.74
RW - 1	11/04/08	3970.79	48.00	48.61	0.61	3922.70
RW - 1	11/18/08	3970.79	47.91	49.03	1.12	3922.71
RW - 1	11/25/08	3970.79	47.90	49.12	1.22	3922.71
RW - 1	11/25/08	3970.79	48.70	48.72	0.02	3922.09
RW - 1	*12/10/08*	3970.79	47.87	49.05	1.18	3922.74
RW - 1	12/18/08	3970.79	47.84	49.10	1.26	3922.76

** Complete Historical Tables are presented on the attached CD.*

TABLE 2

2008 - CONCENTRATIONS OF BTEX AND TPH IN GROUNDWATER

PLAINS PIPELINE, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8015M		EPA SW 846-8021B, 5030				
		GRO C6-C12 mg/L	DRO C12-C35 mg/L	BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD Regulatory Limit				0.0100	0.75	0.75	Total XYLENES 0.62	
MW - 2	03/07/08			Not Sampled Due to PSH in Well				
MW - 2	06/02/08			Not Sampled Due to PSH in Well				
MW - 2	09/03/08			Not Sampled Due to PSH in Well				
MW - 2	12/10/08	54.40	213.00	**13.80**	**5.20**	**0.864**	**2.70**	
MW - 3	03/07/08			Not Sampled Due to PSH in Well				
MW - 3	06/02/08			Not Sampled Due to PSH in Well				
MW - 3	09/03/08			Not Sampled Due to PSH in Well				
MW - 3	12/10/08	51.00	474.00	**10.10**	**6.40**	**1.040**	**2.80**	
MW - 4	03/07/08			Not Sampled Due to PSH in Well				
MW - 4	06/02/08			Not Sampled Due to PSH in Well				
MW - 4	09/03/08			Not Sampled Due to PSH in Well				
MW - 4	12/10/08	12.10	104.00	**1.930**	**0.996**	0.613	**1.62**	
MW - 5	03/07/08			Not Sampled Due to PSH in Well				
MW - 5	06/02/08			Not Sampled Due to PSH in Well				
MW - 5	09/03/08			Not Sampled Due to PSH in Well				
MW - 5	12/10/08	82.60	56.40	**18.90**	**9.030**	**1.490**	**3.52**	
MW - 6	03/07/08			Not Sampled Due to PSH in Well				
MW - 6	06/02/08			Not Sampled Due to PSH in Well				
MW - 6	09/03/08			Not Sampled Due to PSH in Well				
MW - 6	12/10/08	81.80	36.60	**26.00**	**3.950**	**1.230**	**2.85**	
MW - 7	03/07/08			Not Sampled Due to Sample Reduction				
MW - 7	06/02/08			Not Sampled Due to Sample Reduction				
MW - 7	09/03/08			Not Sampled Due to Sample Reduction				
MW - 7	12/08/08			<0.001	<0.001	<0.001	<0.001	
MW - 9	03/07/08			Not Sampled Due to PSH in Well				
MW - 9	06/02/08			Not Sampled Due to PSH in Well				
MW - 9	09/03/08			Not Sampled Due to PSH in Well				
MW - 9	12/10/08	20.80	181.00	**2.240**	**2.850**	0.633	**1.79**	
MW - 10	03/07/08			Not Sampled Due to Sample Reduction				
MW - 10	06/02/08			Not Sampled Due to Sample Reduction				
MW - 10	09/03/08			Not Sampled Due to Sample Reduction				
MW - 10	12/08/08			<0.001	<0.001	<0.001	<0.001	
MW - 11	03/07/08			Not Sampled Due to Sample Reduction				
MW - 11	06/02/08			Not Sampled Due to Sample Reduction				
MW - 11	09/03/08			Not Sampled Due to Sample Reduction				
MW - 11	12/08/08			<0.001	<0.001	<0.001	<0.001	

TABLE 2

2008 - CONCENTRATIONS OF BTEX AND TPH IN GROUNDWATER

PLAINS PIPELINE, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8015M		EPA SW 846-8021B, 5030				
		GRO C6-C12 mg/L	DRO C12-C35 mg/L	BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD Regulatory Limit				**0.0100**	**0.75**	**0.75**	**Total XYLENES**	**0.62**
MW - 12	03/07/08			Not Sampled Due to Sample Reduction				
MW - 12	06/02/08			Not Sampled Due to Sample Reduction				
MW - 12	09/03/08			Not Sampled Due to Sample Reduction				
MW - 12	12/08/08			<0.001	<0.001	<0.001	0.007	
MW - 13	03/07/08			**0.0279**	<0.005	<0.005	<0.005	
MW - 13	06/02/08			**0.6620**	<0.010	0.0173	<0.010	
MW - 13	09/03/08			**0.9740**	<0.005	0.0143	0.0206	
MW - 13	12/08/08			**1.200**	<0.005	<0.005	<0.005	
MW - 14	03/07/08			**0.0338**	<0.001	0.0609	0.464	
MW - 14	06/02/08			**0.0920**	0.0310	0.1470	0.480	
MW - 14	09/03/08			**0.0933**	0.0025	0.2080	**0.787**	
MW - 14	12/08/08			**0.0264**	<0.001	0.0908	0.399	
MW - 15	03/07/08			**0.556**	<0.05	<0.05	0.135	
MW - 15	06/02/08			**1.880**	<0.010	0.164	0.210	
MW - 15	09/03/08			**4.310**	<0.020	0.348	0.387	
MW - 15	12/08/08			**2.870**	<0.020	0.230	0.181	
MW - 16	03/07/08			Not Sampled Due to Sample Reduction				
MW - 16	06/02/08			Not Sampled Due to Sample Reduction				
MW - 16	09/03/08			<0.001	<0.001	<0.001	<0.001	
MW - 16	12/08/08			<0.001	<0.001	<0.001	<0.001	
RW - 1	03/07/08			Not Sampled Due to PSH in Well				
RW - 1	06/02/08			Not Sampled Due to PSH in Well				
RW - 1	09/03/08			Not Sampled Due to PSH in Well				
RW - 1	12/10/08	38.20	32.10	**10.10**	**2.440**	**0.792**	**1.50**	

* Complete Historical Tables are provided on the attached CD.

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER - 2008

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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-2	12/10/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0109**	<0.000922	<0.000922	0.0429	<0.000922	**0.232**	0.0587	<0.000922	**0.354**	**0.417**	0.0377
MW-3	12/10/08	<0.000184	0.00934	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00578**	<0.000184	<0.000184	0.024	<0.000184	**0.192**	0.0368	<0.000184	**0.348**	**0.409**	0.0228
MW-4	12/10/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.0039	<0.000184	**0.0668**	0.00376	<0.000184	**0.0435**	**0.0423**	0.00414
MW-5	12/10/08	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	**0.192**	0.0424	<0.000935	**0.301**	**0.346**	0.0316
MW-6	12/10/08	<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	**0.0921**	0.00706	<0.000184	**0.0687**	**0.0744**	0.00635
MW-7	12/08/08	<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	0.0002	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-9	12/10/08	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	0.0134	<0.000926	**0.102**	0.016	<0.000926	**0.122**	**0.138**	0.0127
MW-10	12/08/08	<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-11	12/08/08	<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 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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	12/08/08	<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-13	12/08/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000294	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00116
MW-14	12/08/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000417	<0.000185	0.00328	0.000311	<0.000185	0.00314	0.00298	0.000355
MW-15	12/08/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000558	<0.000184	0.00993	0.000384	<0.000184	0.00525	0.00386	0.000687
MW-16	12/08/08	<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	12/10/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.0085	<0.000184	**0.075**	0.0104	<0.000184	**0.0857**	**0.0912**	0.00817

APPENDICES

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

DISTRICT I
P.O. BOX 1980, HOBBS, NM 88241-1980

DISTRICT II
P.O. DRAWER DD, ARTESIA, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 2 COPIES TO APPROPRIATE DISTRICT OFFICE IN ACCORDANCE WITH RULE 116 PRINTED ON BACK SIDE OF FORM

TNM-97-04

Initial Report

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

OPERATOR	ADDRESS	TELEPHONE
Texas-New Mexico Pipe Line Company	P. O. Box 60028, San Angelo, TX 76906	(915) 947-9000

REPORT OF	FIRE	BREAK	SPILL	LEAK	BLOWOUT	OTHER*	
				X			
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTRY	PIPE LINE X	GASO PLANT	OIL RFY	OTHER*

FACILITY NAME: 4" gathering line

LOCATION OF FACILITY	SEC.	TWP.	RGE.	COUNTY
Qtr/Qtr Sec. or Footage. SW/4 SW/4 ~~SE/4~~ SE/4	~~16~~ 11	~~11S~~ 16S	38E	Lea

DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 2 miles west of Lovington

DATE AND HOUR OF OCCURRENCE	DATE AND HOUR OF DISCOVERY
Unknown	April 16, 1997 4:00 p.m.

WAS IMMEDIATE NOTICE GIVEN?	YES	NO	NOT REQUIRED	IF YES, TO WHOM
			X	Wayne Price

BY WHOM	DATE AND HOUR
B. D. Chapman (reported that quantity may be more than 10 barrels)	April 25, 1997 9:00 a.m.

TYPE OF FLUID LOST	QUANTITY OF LOSS	VOLUME RECOVERED
Sweet Crude	Unknown (*see note below)	None

DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO	QUANTITY
		X	

IF YES, DESCRIBE FULLY**

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

External Corrosion. Leak successfully clamped off.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

Approximately 1500 sq.ft. pasture land. Will remediate on site.

*Originally estimated at 10 barrels. Under investigation. An amended report will be issued when quantity is determined.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER*			
		X					
SURFACE CONDITION	SANDY	SANDY LOAM	CLAY	ROCKY	WET	DRY	SNOW
				X		X	

[illegible] CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

75 degrees, clear

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED [signature] PRINTED NAME AND TITLE Edwin H. Gripp, District Manager DATE April 25, 1997

[illegible]ECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

State Corp. Commission
Pipe Line Division

Hazardous Waste Section
NM Environmental Improvement Div.

TNM-97-04 BDC

08/02/2005 09:03 4326825715 ENRGENERGY PAGE 03

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

TNM-97-04

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**
4"gathering line	pipeline

Surface Owner	Mineral Owner	Lease No.
Larry Megert		

LOCATION OF RELEASE
(corrected location)

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	11	16S	35E					Lea

NATURE OF RELEASE

Type of Release	Volume of Release (revised)	Volume Recovered
Sweet Crude	488 barrels	5 barrels
Source of Release	**Date and Hour of Occurrence**	**Date and Hour of Discovery**
4" gathering line	Unknown	4/16/97 4:00 p.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom?**	
	Wayne Price	
By Whom?	**Date and Hour**	
Billy D. Chapman	4/25/97 9:00 a.m.	
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 1500 sq.ft. pasture land. Will remediate on site.

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

75 degrees; clear

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed Name: Edwin H. Gripp

Title: District Manager

Date: August 12, 1997 Phone: 915-947-9001

OIL CONSERVATION DIVISION

Approved by District Supervisor:

Approval Date	Expiration Date
Conditions of Approval:	Attached ☐

* Attach Additional Sheets If Necessary

BDC JAS

State Corp. Commission
Pipe Line Division

Hazardous Waste Section
NM Environmental Improvement Div.

TNM-97-04