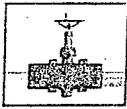


GW - 294

**MONITORING
REPORTS**

DATE:
2010



PLAINS
ALL AMERICAN

RECEIVED

March 23, 2011

MAR 29 2011

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

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Re: Plains All American – 2010 Annual Monitoring Reports
20 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 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
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



PLAINS
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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: Geoff Leking, NMOCD, Hobbs, NM

Enclosures



**2010
ANNUAL MONITORING REPORT**

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

PREPARED FOR:

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



PREPARED BY:

NOVA Safety and Environmental
2057 Commerce
Midland, Texas 79703

March 2011


Ronald K. Rounsaville
Senior Project Manager

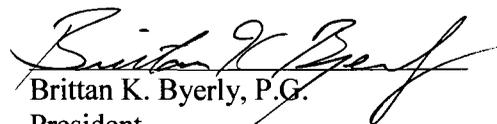

Brittan K. Byerly, P.G.
President

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Figure 1 – Site Location Map

Figure 2A – Inferred Groundwater Gradient Map – February 11, 2010
2B – Inferred Groundwater Gradient Map – May 17, 2010
2C – Inferred Groundwater Gradient Map – August 16, 2010
2D – Inferred Groundwater Gradient Map – November 10, 2010

Figure 3A – Groundwater Concentration and Inferred PSH Extent Map – February 11, 2010
3B – Groundwater Concentration and Inferred PSH Extent Map – May 17, 2010
3C – Groundwater Concentration and Inferred PSH Extent Map – August 16, 2010
3D – Groundwater Concentrations and Inferred PSH Extent Map – November 10, 2010

TABLES

Table 1 – 2010 Groundwater Elevation Data
Table 2 – 2010 Concentrations of BTEX and TPH in Groundwater
Table 3 – 2010 Concentrations of PAH in Groundwater

APPENDICES

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

ENCLOSED ON DATA DISK

2010 Annual Monitoring Report
2010 Tables 1, 2 and 3 – Groundwater Elevation, BTEX and PAH Concentration Data
2010 Figures 1, 2A-2D, and 3A-3D
Electronic Copies of Laboratory Reports
Historic Table 1, 2 and 3 – Groundwater Elevation, BTEX and PAH 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 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 2010 only. However, historic data tables as well as 2010 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 2010 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 not sampled.

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.

In October 2009, an *Enhanced Recovery System Workplan* was submitted and subsequently approved by the NMOCD. In March 2009, Plains installed eight air-sparging wells (SW-1 through SW-8) and three recovery wells (RW-2, RW-3 and RW-4) at the site as part of the Enhanced Recovery System. In April 2010, Plains completed the installation of the trailer mounted air-sparging system with ancillary air lines connected to the eight sparging wells. Four total fluid pumps were installed within the four, 4-inch diameter recovery wells.

The Enhanced Recovery System was initially started during the 3rd quarter of 2010.

There are currently fifteen monitor wells (MW-2 through MW-7, and MW-9 through MW-16 and MW-18) on site along with the eight air-sparging and four recovery wells. An infiltration gallery associated with the enhanced recovery system is located on the northwest corner of the site.

FIELD ACTIVITIES

Remediation Efforts

The enhanced recovery system utilizes compressed air to power the eight air-sparging wells along with the four total fluid pumps placed in recovery wells RW-1 through RW-4. The total fluid pumps operate at a pumping rate of approximately 2-3 gallons per minute (gpm) from each recovery well with a combined pumping rate of 8-12 gpm. Recovered oil and water is then passed through an oil-water separator with the oil transferred to a 550 gallon poly tank for staging and later transporting off site. Recovered groundwater is pumped to a large poly aeration tank to allow for volatilization of the hydrocarbons. Groundwater is then transferred through a two bag filter system prior to being pumped through two 500 lbs. carbon filtration canisters. The treated groundwater is sampled from post carbon sampling ports on a monthly basis and is then discharged under Discharge Permit GW-294 to an infiltration gallery located upgradient to the northwest of the release point.

The eight air-sparging wells were each installed to a depth of approximately 65 feet below ground surface (bgs) and operate at a pressure of approximately 5 psi per well. The air-sparging array is designed to buffer the downgradient migration of the dissolved phase hydrocarbon plume while pressing the PSH plume upgradient towards the four recovery wells.

A measurable thickness of PSH was present in five of fifteen monitor wells (MW-2, MW-3, MW-5, MW-6, and MW-9) and the recovery well (RW-1) during at least three or more quarters of the reporting period. The average thickness of PSH in monitor wells and recovery wells exhibiting PSH was 0.67 feet. The maximum thickness of PSH in monitor wells and recovery wells was 2.15 feet as recorded in monitor well MW-5 on June 28, 2010. PSH data for the 2010 gauging events can be found in Table 1. Approximately 235 gallons (approximately 5.6 barrels) of PSH was recovered from the site during the 2010 reporting period. A total of approximately 7,684 gallons (approximately 183 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-8	Plugged & Abandoned	MW-15	Quarterly
MW-2	Quarterly	MW-9	Quarterly	MW-16	Semi-Annual
MW-3	Quarterly	MW-10	Annual	MW-17	Plugged & Abandoned
MW-4	Quarterly	MW-11	Annual	MW-18	Quarterly
MW-5	Quarterly	MW-12	Annual	RW-1	Quarterly
MW-6	Quarterly	MW-13	Quarterly		
MW-7	Annual	MW-14	Quarterly		

The site monitor wells were gauged and sampled on February 11, May 17, August 16, and November 10, 2010. 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 2010, are depicted on the Inferred Groundwater Gradient Maps, Figures 2A-2D. Groundwater elevation data for 2010 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 3,920.39 and 3,923.87 feet above mean sea level, in recovery well RW-1 on May 17, 2010 and on February 25, 2010, respectively.

LABORATORY RESULTS

Monitor wells MW-2, MW-3, MW-5, MW-9 and recovery well RW-1 contained PSH throughout the reporting period and were not sampled during 1st, 2nd, 3rd and 4th quarters of 2010. Monitor well MW-6 contained PSH during the 1st, 2nd and 3rd quarters and was not sampled during those sampling events.

Groundwater samples obtained during the quarterly sampling events of 2010 were delivered to Trace Analysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021B. Polynuclear Aromatic Hydrocarbons (PAH) analysis was conducted during the 2010 calendar year on monitor well MW-4. Based upon historic PAH analytical data, only those wells exhibiting elevated constituent concentrations above WQCC standards are sampled, with the exclusion of those wells containing measurable PSH thicknesses. A listing of BTEX constituent concentrations for 2010 are summarized in Table 2 and the Historic PAH constituent concentrations are summarized in Table 3. Copies of the laboratory reports generated for 2010 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, 3rd and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.85 feet, 1.64 feet, 0.53 feet and 0.91 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2010, respectively. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-3 is monitored on a quarterly schedule. Monitor well MW-3 was not sampled during the 1st, 2nd, 3rd and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.94 feet, 1.22 feet, 0.75 feet and 1.58 feet were reported during the 1st, 2nd, 3rd

and 4th quarters of 2010, respectively. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-4 is monitored on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.583 mg/L during the 4th quarter to 2.150 mg/L during the 1st quarter. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations ranged from 0.125 mg/L during the 2nd quarter to 1.230 mg/L during the 1st quarter. Toluene concentrations were below the NMOCD regulatory standards during the 2nd, 3rd and 4th quarters and above NMOCD regulatory standards during the 1st quarter of the reporting period. Ethyl-benzene concentrations ranged from 0.335 mg/L during the 2nd quarter to 0.825 mg/L during the 1st quarter of 2010. Ethyl-benzene concentrations were below the NMOCD regulatory standards during the 2nd, 3rd and 4th quarters and above NMOCD regulatory standards during the 1st quarter of the reporting period. Xylene concentrations ranged from 0.549 mg/L during the 2nd quarter to 2.150 mg/L during the 1st quarter of 2010. Xylene concentrations were below the NMOCD regulatory standards during the 2nd and 3rd quarters and above NMOCD regulatory standards during the 1st and 4th quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0279 mg/L), 1-methylnaphthalene (0.035 mg/L) and 2-methylnaphthalene (0.0188 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.00338 mg/L), phenanthrene (0.00404 mg/L) and dibenzofuran (0.00247 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, 3rd and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.17 feet, 1.31 feet, 0.80 feet and 1.55 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2010, respectively. PAH analysis was not conducted during the 4th quarter sampling event.

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. A PSH thickness of 0.31 feet during the 1st quarter and a sheen were reported during the 2nd and 3rd quarters of 2010, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 4.04 mg/L. Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 2.830 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.494 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.710 mg/L. PAH analysis was not conducted during the 4th quarter sampling event.

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-six consecutive quarters. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-9 is monitored on a quarterly schedule. Monitor well MW-9 was not sampled during the 1st, 2nd, 3rd and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.27 feet, 0.04 feet, 0.19 feet and 0.08 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2010, respectively. PAH analysis was not conducted during the 4th quarter sampling event.

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. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twenty-four consecutive quarters. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-11 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last fifteen consecutive quarters. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-12 is sampled on an annual schedule. 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 was not conducted during the 4th quarter sampling event.

Monitor well MW-13 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.666 mg/L in the 2nd quarter to 2.040 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 2nd quarters to 0.0367 mg/L during the 3rd quarter of the reporting period. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations were below MDL and NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-14 is sampled on a quarterly schedule and was inadvertently not sampled during the 1st quarter of 2010. Analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 3rd quarter to 0.0107 mg/L during the 2nd quarter of 2010. Benzene concentrations were above the NMOCD regulatory standard during the 2nd quarter of the reporting period. Toluene concentrations ranged from <0.001 mg/L during the 2nd and 4th quarters to 0.0024 mg/L during the 3rd quarter of 2010. Toluene concentrations were below the NMOCD regulatory standard during 2nd, 3rd and 4th quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0127 mg/L during the 4th quarter to 0.0681 mg/L during the 2nd quarter of 2010. Ethylbenzene concentrations were below the NMOCD regulatory standard during 2nd, 3rd and 4th quarters of the reporting period. Xylene concentrations ranged from 0.0494 mg/L during the 4th quarter to 0.248 mg/L during the 2nd quarter of 2010. Xylene

concentrations were below the NMOCD regulatory standard during 2nd, 3rd and 4th quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-15 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0785 mg/L during the 4th quarter to 1.640 mg/L during the 1st quarter of 2010. 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 2010. Ethylbenzene concentrations ranged from <0.010 mg/L during the 4th quarter to 0.1410 mg/L during the 1st quarter of 2010. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from <0.0100 mg/L during the 4th quarter to 0.0821 mg/L during the 1st quarter of 2010. Xylene concentrations were below the NMOCD regulatory standard during the all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

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 was not conducted during the 4th quarter sampling event.

Monitor well MW-18 is sampled on a quarterly schedule. Analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Recovery well RW-1 is monitored on a quarterly schedule. Recovery well RW-1 was not sampled during the 1st, 2nd, 3rd and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.67 feet and 0.07 feet were reported during the 1st and 2nd quarters of 2010. A permanent total fluid pump was installed in RW-1 associated with the on-site remediation system and was not gauged during the 3rd and 4th quarterly sampling events. PAH analysis was not conducted during the 4th quarter sampling event.

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 2010 annual monitoring period. There are currently fifteen monitor wells (MW-2 through MW-7, and MW-9 through MW-16, and MW-18) and one recovery well (RW-1) on site. Groundwater elevation contours generated from water level measurements indicate a general gradient of approximately 0.002 feet/foot to the southeast.

A measurable thickness of PSH was present in five monitor wells (MW-2, MW-3, MW-5, MW-6, and MW-9) and the recovery well (RW-1) during each quarter of the reporting period.

Monitor well MW-4 exhibited measurable PSH during at least three quarters of the reporting period. Approximately 235 gallons (approximately 5.6 barrels) of PSH was recovered from the site during the 2010 reporting period. A total of approximately 7,684 gallons (approximately 183 barrels) of PSH have been recovered since project inception. The average thickness of PSH in monitor wells and recovery wells displaying PSH was 0.67 feet. Generally, 2010 PSH thickness data indicates declining PSH thicknesses in the affected monitor and recovery wells.

Review of laboratory analytical results of groundwater samples collected during the 2010 reporting period indicates BTEX constituent concentrations are below NMOCD regulatory standards in six of the fifteen on site monitor wells and recovery well. The remaining nine monitor wells either contained measurable thicknesses of PSH and were not sampled during the four quarterly events or exhibited analytical results above the NMOCD regulatory standard during the reporting period of 2010. Review of PAH analysis indicates a decreasing trend in monitor well MW-4.

ANTICIPATED ACTIONS

PSH recovery, quarterly groundwater monitoring and sampling will continue in 2011. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2012. In October 2008, an *Enhanced Recovery System Workplan* was submitted and subsequently approved by the NMOCD. The automated system started up during the 3rd quarter of 2010. The Initial System Start up Report will be submitted following complete system operational start up.

Based on the results of the PAH analysis over the past several years, further PAH analysis will be conducted only on monitor well MW-4. As the PSH plume diminishes, other wells will be sampled for PAH as necessary, which have historically exhibited elevated constituents near or above the WQCC standards.

LIMITATIONS

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

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

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

DISTRIBUTION

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

Copy 2: Geoffrey R. Leking
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1625 French Drive
Hobbs, NM 88240

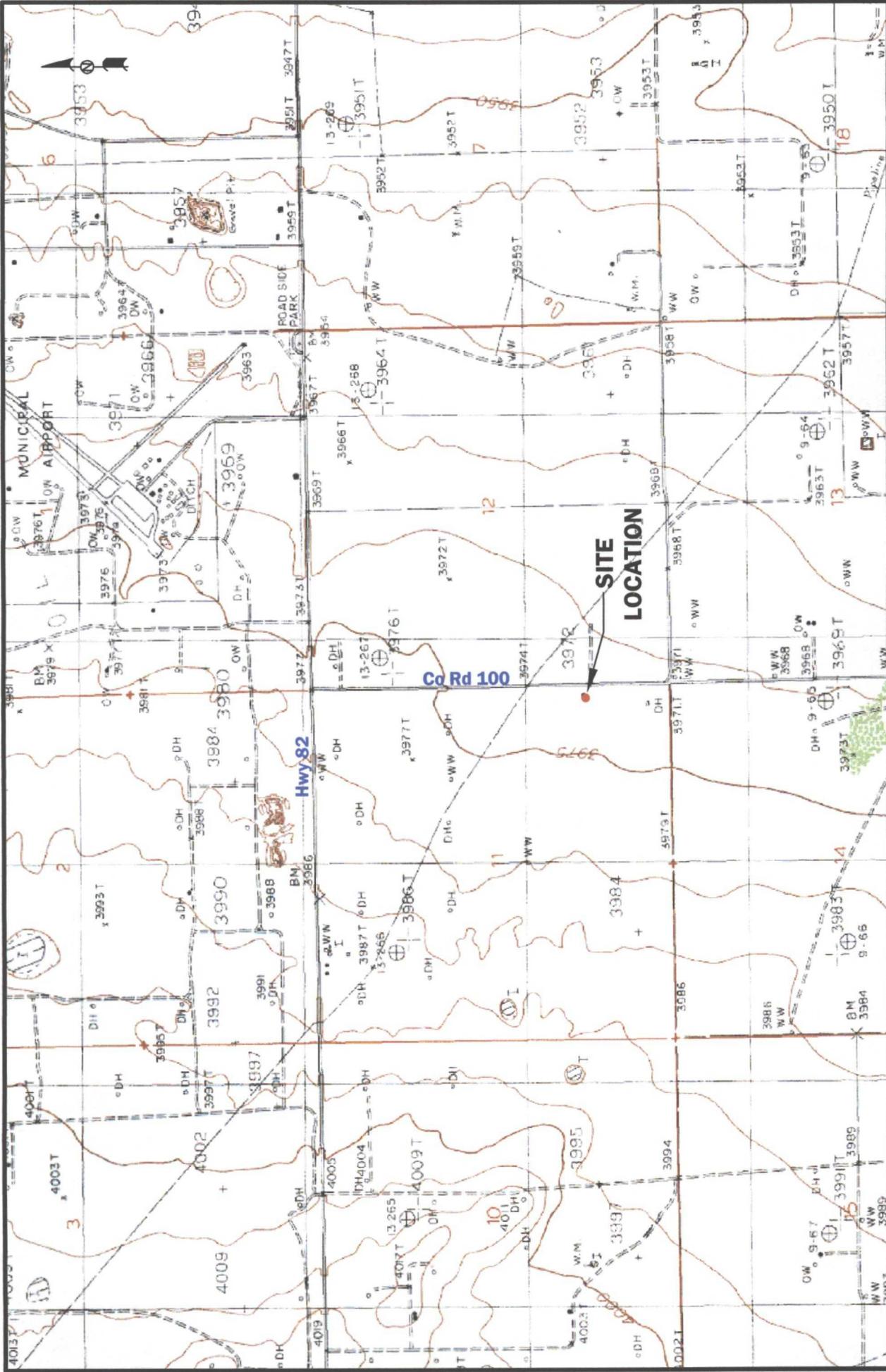
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2530 State Highway 214
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jhenry@paalp.com

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333 Clay Street
Suite 1600
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jpdann@paalp.com

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



Figures



LEGEND:



Distance in Feet

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

NMCOG Reference #GW-0294

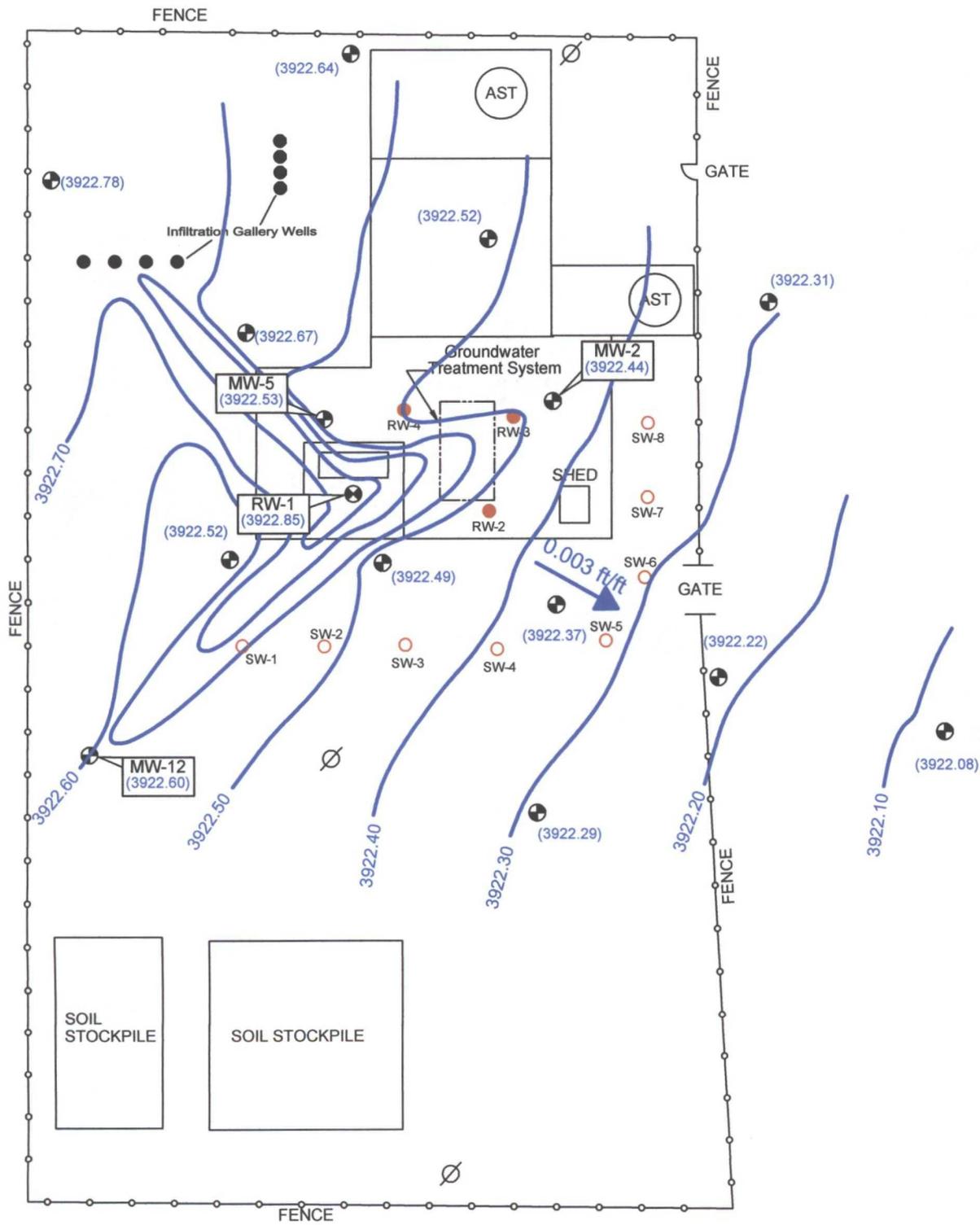


2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720

www.novasafetyandenvironmental.com

March 3, 2011 Scale: 1" = 2000' CAD By: TA Checked By: RKR

LATITUDE & LONGITUDE COORDINATES: N 32° 55' 57.1" W 103° 25' 12.3"



NOTES:

Contour Interval = 0.10'

Groundwater Gradient Measured Between MW-10 and MW-13

LEGEND:

- Monitoring Well Location
- Recovery Well Location (3921.20)
- Sparging Well Location (NA)
- Infiltration Gallery Well Location
- Groundwater Contour Lines
- Groundwater Elevation in Feet
- Not Available

Figure 2A
 Inferred Groundwater
 Gradient Map
 (02/11/10)
 NMOCD Reference # GW-0294
 Plains Marketing, L.P.
 TNM 97-04
 Lea County, NM



2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720
 www.novasafetyandenvironmental.com

May 04, 2010

Scale: 1" = 40'

CAD By: SAT

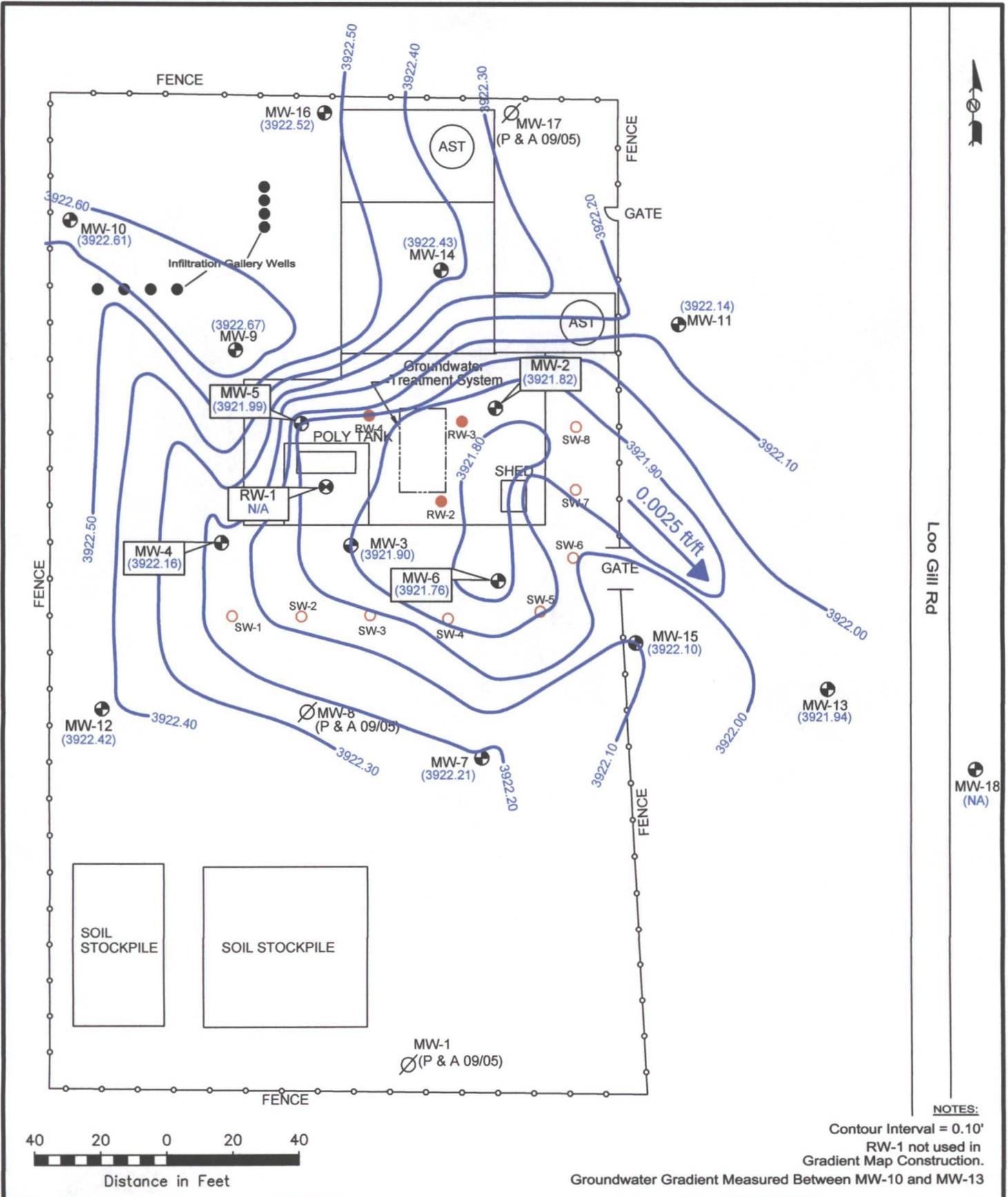
Checked By: RKR

Lat. N32° 44' 50.3" Long. W103° 23' 38.5"

NW1/4 SE1/4 Sec 18 T18S R36E

Loo Gill Rd

(NA)



NOTES:
 Contour Interval = 0.10'
 RW-1 not used in
 Gradient Map Construction.

Groundwater Gradient Measured Between MW-10 and MW-13

LEGEND:

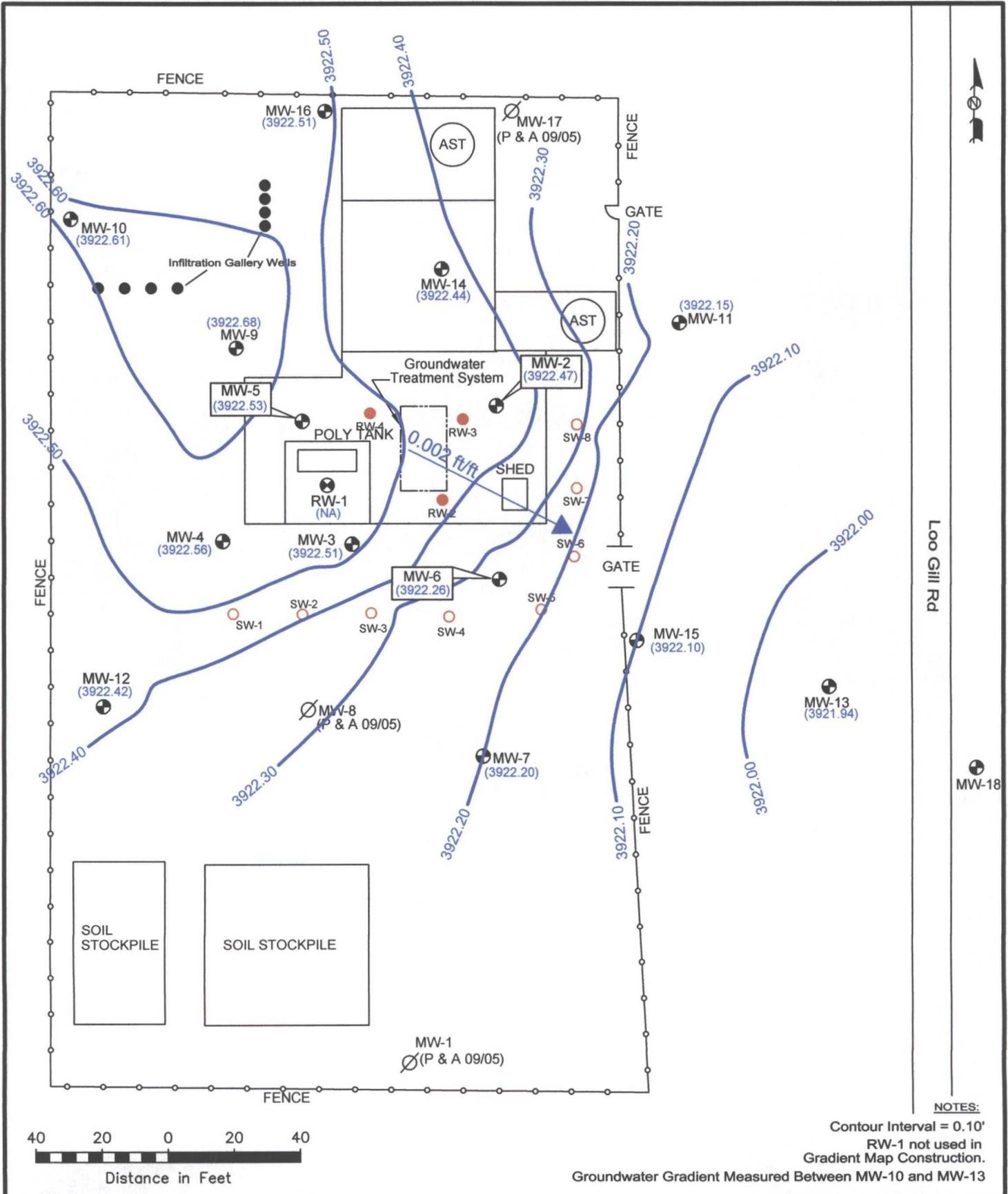
- Monitoring Well Location
- Recovery Well Location (3921.20)
- Sparging Well Location (NA)
- Infiltration Gallery Well Location
- Groundwater Contour Lines
- Groundwater Elevation in Feet
- Not Available

Figure 2B
Inferred Groundwater
Gradient Map
 (05/17/10)
 NMOCD Reference # GW-0294
 Plains Marketing, L.P.
 TNM 97-04
 Lea County, NM

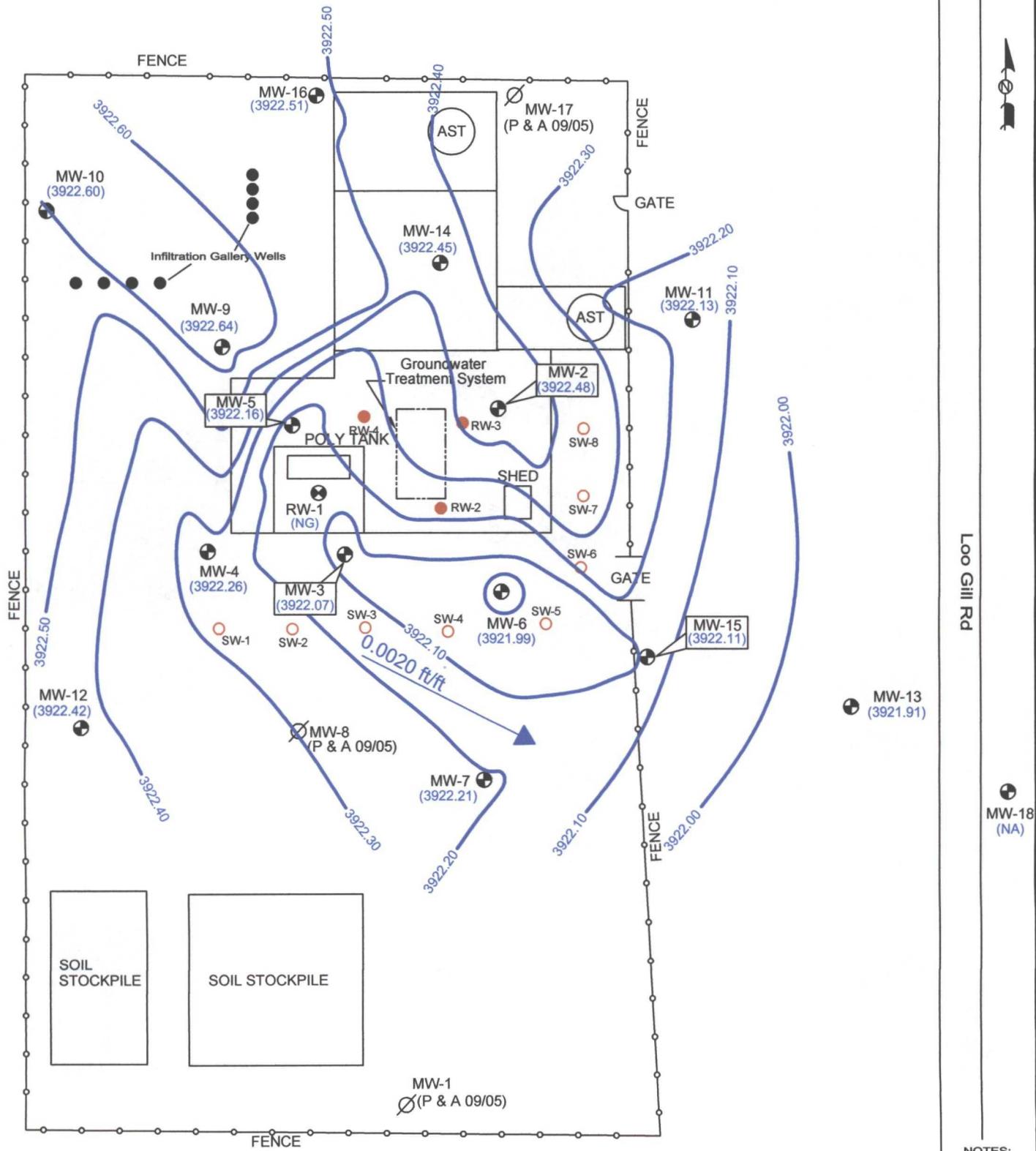
NOVA
 safety and environmental

2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720
 www.novasafetyandenvironmental.com

May 27, 2010	Scale: 1" = 40'	CAD By: SAT	Checked By: RKR
Lat. N32° 44' 50.3" Long. W103° 23' 38.5"		NW1/4 SE1/4 Sec 18 T18S R36E	



<p>NOVA safety and environmental</p> <p>2057 Commerce Drive Midland, Texas 79703 432.520.7720 www.novasafetyandenvironmental.com</p>			
September 20, 2010	Scale: 1" = 40'	CAD By: TA	Checked By: RKR
Lat. N32° 44' 50.3" Long. W103° 23' 38.5"		NW1/4 SE1/4 Sec 18 T18S R36E	



NOTES:
 Contour Interval = 0.10'
 RW-1 not used in Gradient Map Construction.

Groundwater Gradient Measured Between MW-10 and MW-13

LEGEND:

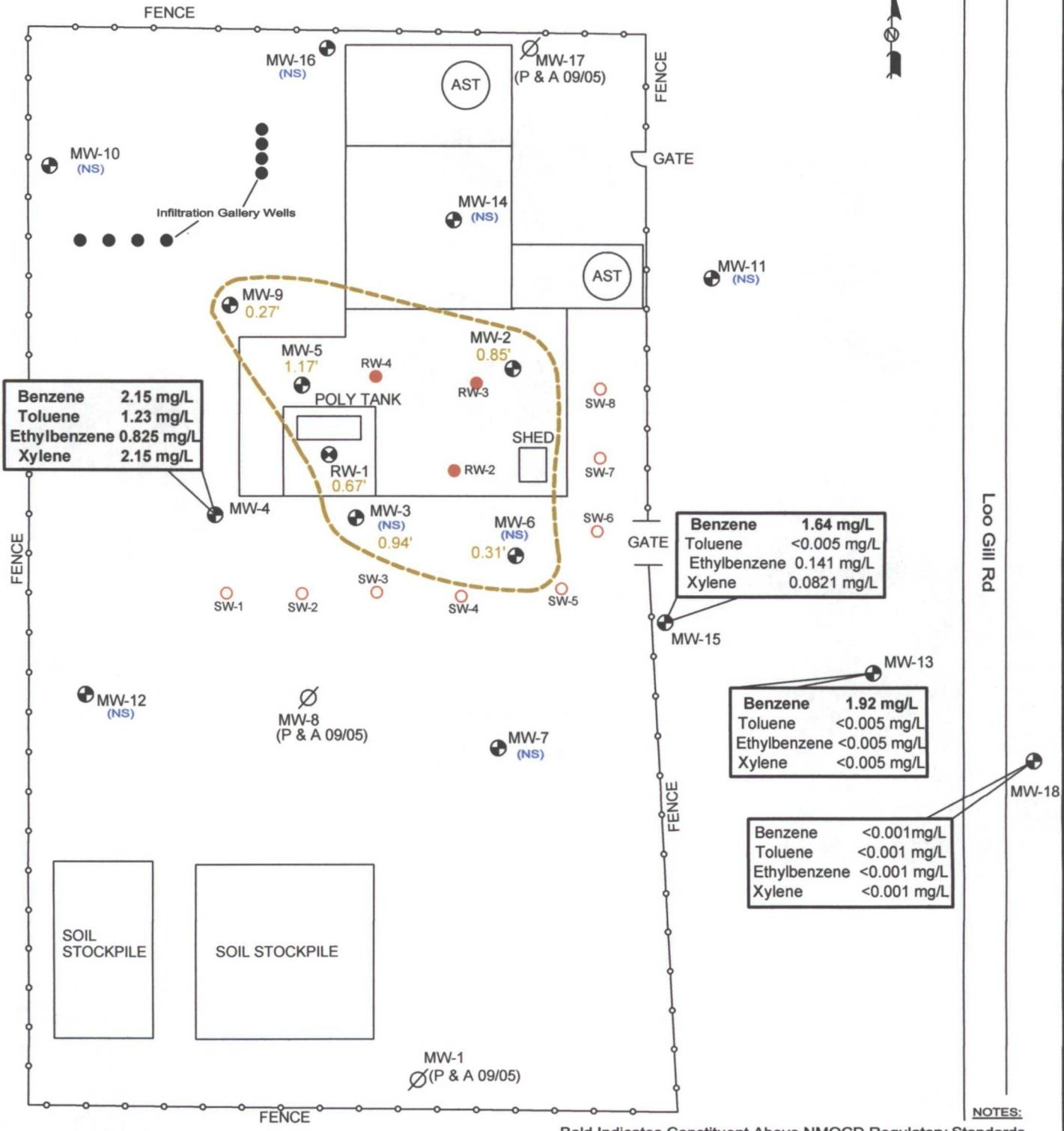
	Monitoring Well Location		Groundwater Contour Lines
	Recovery Well Location (3921.20)		Groundwater Elevation in Feet
	Sparging Well Location (NA)		Not Available
	Infiltration Gallery Well Location		

Figure 2D
Inferred Groundwater Gradient Map
 (11/10/10)
 NMOCD Reference # GW-0294
 Plains Marketing, L.P.
 TNM 97-04
 Lea County, NM



2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720
 www.novasafetyandenvironmental.com

December 14, 2010	Scale: 1" = 40'	CAD By: SAT	Checked By: RKR
Lat. N32° 44' 50.3" Long. W103° 23' 38.5"		NW1/4 SE1/4 Sec 18 T18S R36E	



Loo Gill Rd

NOTES:

Bold Indicates Constituent Above NMOCD Regulatory Standards



LEGEND:

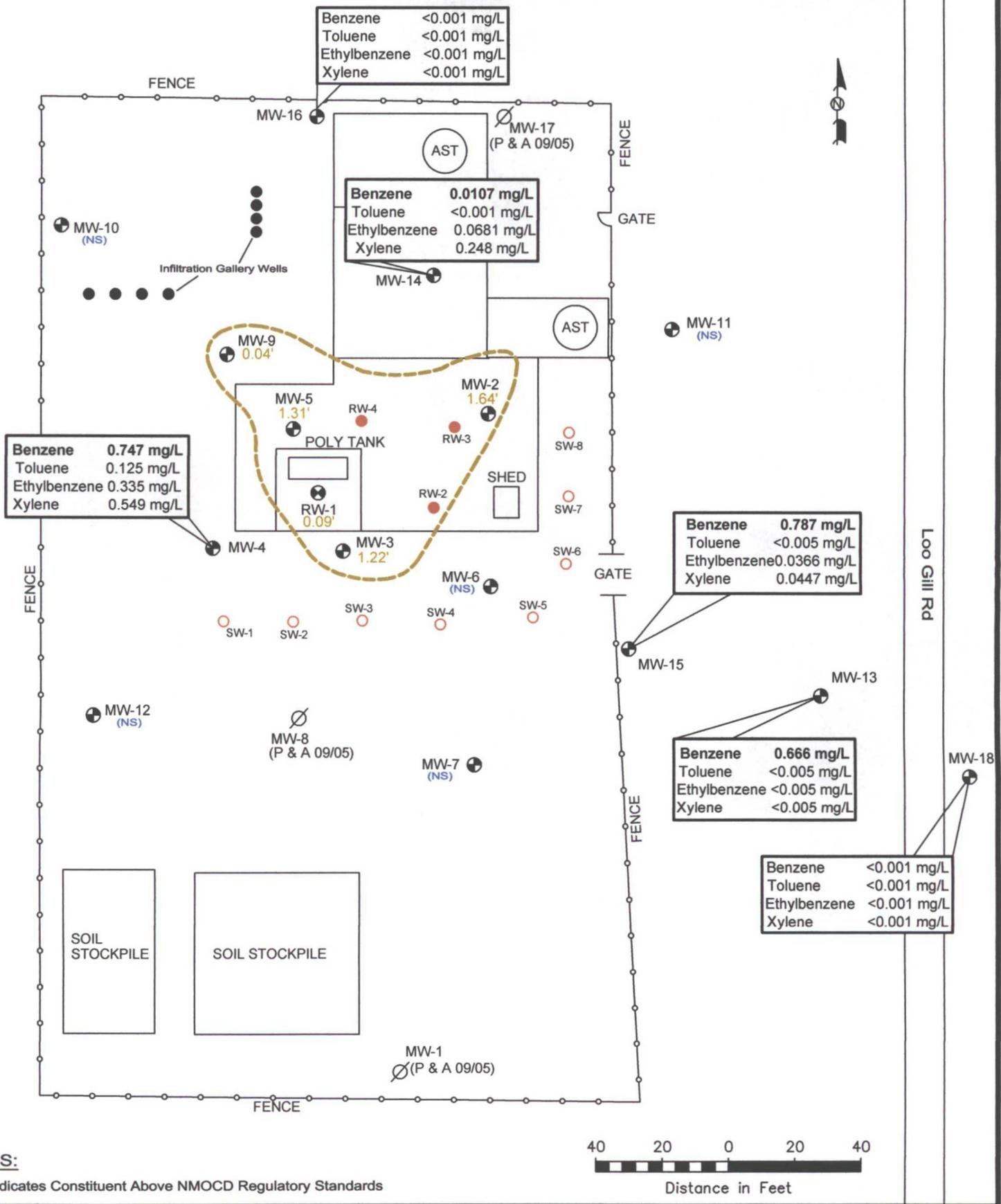
- Monitor Well Location
- Recovery Well Location
- Sparging Well Location
- Infiltration Gallery Well Location
- Inferred PSH Extent
- <0.001** Constituent Concentration (mg/L)
- 2.42'** Thickness of PSH (feet)
- (NS)** Not Sampled

Figure 3A
 Groundwater Concentration
 and Inferred PSH Extent Map
 (02/11/10)
 NMOCD Reference # GW-0294
 Plains Marketing, L.P.
 TNM 97-04
 Lea County, NM



2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720
 www.novasafetyandenvironmental.com

May 04, 2010	Scale: 1" = 40'	CAD By: SAT	Checked By: RKR
Lat. N32° 44' 50.3" Long. W103° 23' 38.5"		NW1/4 SE1/4 Sec 18 T18S R36E	



NOTES:

BOLD Indicates Constituent Above NMOCD Regulatory Standards

LEGEND:

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

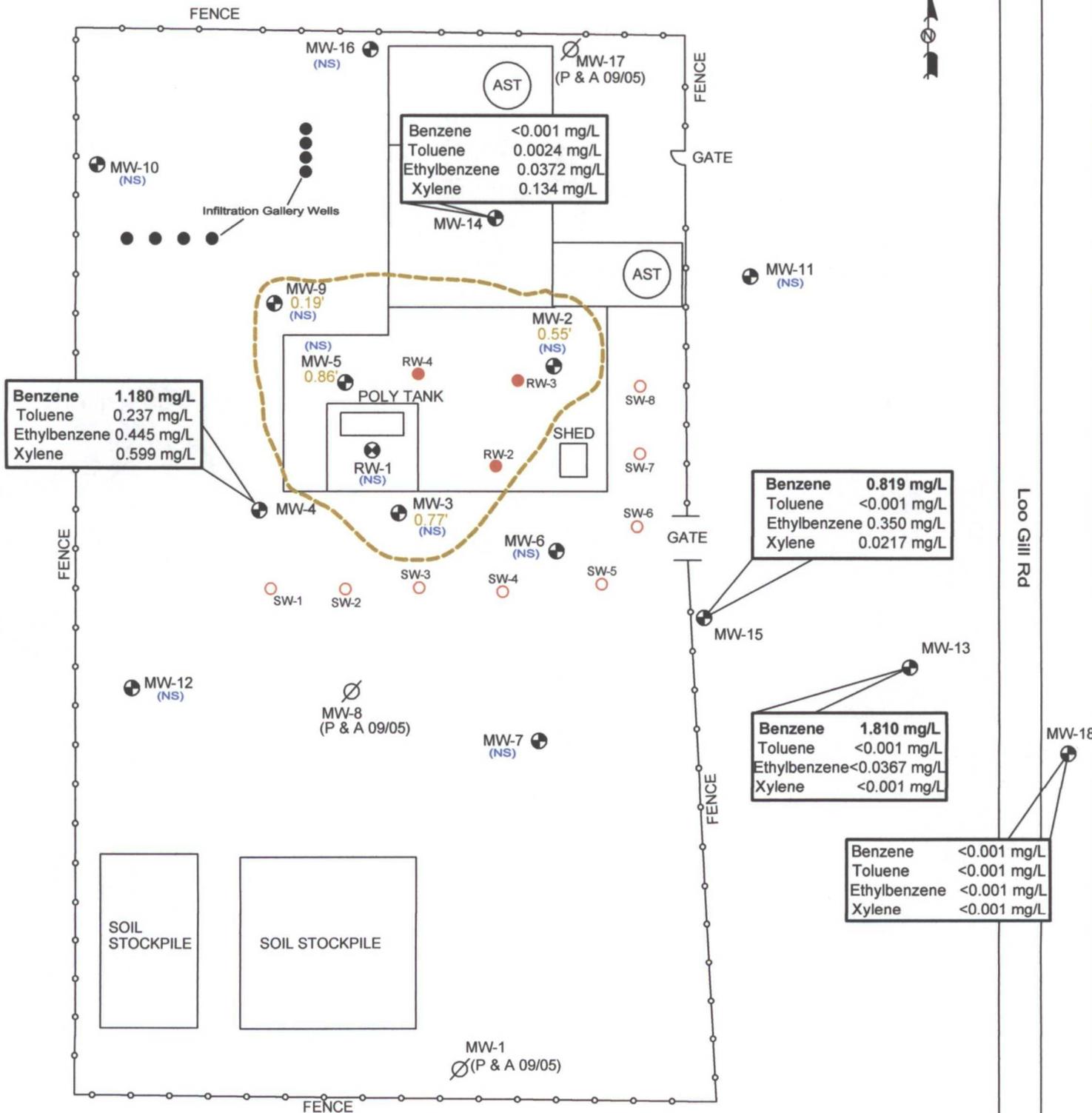
Figure 3B
Groundwater Concentration and Inferred PSH Extent Map
 (05/17/2010)
 NMOCD Reference # GW-0294
 Plains Marketing, L.P.
 TNM 97-04
 Lea County, NM



2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720
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May 27, 2010	Scale: 1" = 40'	CAD By: SAT	Checked By: RKR
Lat. N32° 44' 50.3" Long. W103° 23' 38.5"		NW1/4 SE1/4 Sec 18 T18S R36E	





NOTES:

BOLD Indicates Constituent Above NMOCD Regulatory Standards

LEGEND:

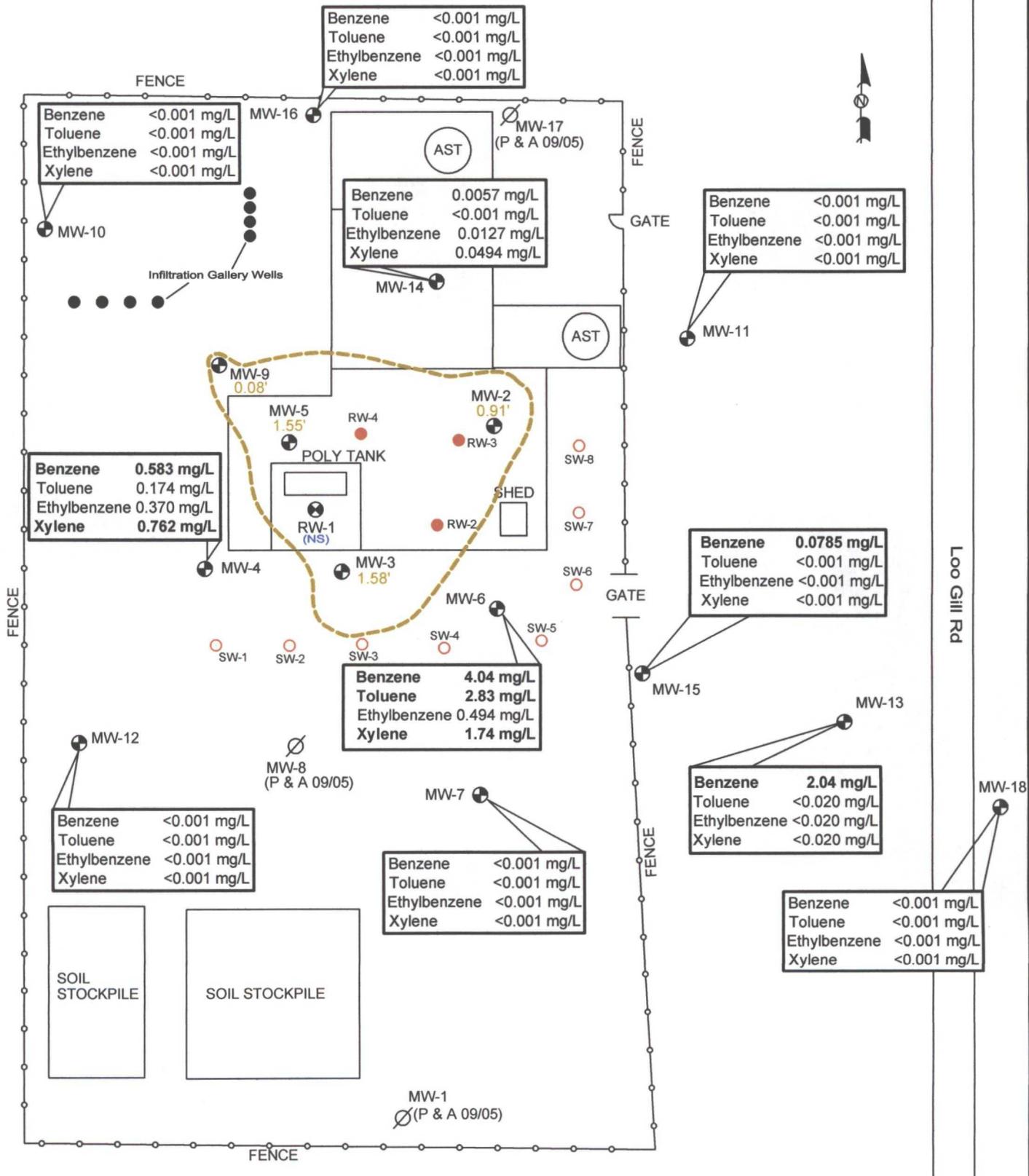
- Monitor Well Location
- Recovery Well Location
- Sparging Well Location
- Infiltration Gallery Well Location
- Inferred PSH Extent
- <0.001 Constituent Concentration (mg/L)
- 2.42' Thickness of PSH (feet)
- (NS) Not Sampled

Figure 3C
Groundwater Concentration and Inferred PSH Extent Map
 (08/16/2010)
 NMOCD Reference # GW-0294
 Plains Marketing, L.P.
 TNM 97-04
 Lea County, NM



2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720
 www.novasafetyandenvironmental.com

September 20, 2010	Scale: 1" = 40'	CAD By: TA	Checked By: RKR
Lat. N32° 44' 50.3" Long. W103° 23' 38.5"		NW1/4 SE1/4 Sec 18 T18S R36E	



MW-10
 Benzene <0.001 mg/L
 Toluene <0.001 mg/L
 Ethylbenzene <0.001 mg/L
 Xylene <0.001 mg/L

MW-16
 Benzene <0.001 mg/L
 Toluene <0.001 mg/L
 Ethylbenzene <0.001 mg/L
 Xylene <0.001 mg/L

MW-14
 Benzene 0.0057 mg/L
 Toluene <0.001 mg/L
 Ethylbenzene 0.0127 mg/L
 Xylene 0.0494 mg/L

MW-11
 Benzene <0.001 mg/L
 Toluene <0.001 mg/L
 Ethylbenzene <0.001 mg/L
 Xylene <0.001 mg/L

MW-4
 Benzene **0.583 mg/L**
 Toluene 0.174 mg/L
 Ethylbenzene 0.370 mg/L
 Xylene **0.762 mg/L**

MW-6
 Benzene **4.04 mg/L**
 Toluene **2.83 mg/L**
 Ethylbenzene 0.494 mg/L
 Xylene **1.74 mg/L**

MW-15
 Benzene **0.0785 mg/L**
 Toluene <0.001 mg/L
 Ethylbenzene <0.001 mg/L
 Xylene <0.001 mg/L

MW-12
 Benzene <0.001 mg/L
 Toluene <0.001 mg/L
 Ethylbenzene <0.001 mg/L
 Xylene <0.001 mg/L

MW-7
 Benzene <0.001 mg/L
 Toluene <0.001 mg/L
 Ethylbenzene <0.001 mg/L
 Xylene <0.001 mg/L

MW-13
 Benzene **2.04 mg/L**
 Toluene <0.020 mg/L
 Ethylbenzene <0.020 mg/L
 Xylene <0.020 mg/L

MW-18
 Benzene <0.001 mg/L
 Toluene <0.001 mg/L
 Ethylbenzene <0.001 mg/L
 Xylene <0.001 mg/L

NOTES:

BOLD Indicates Constituent Above NMOCD Regulatory Standards

LEGEND:

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

Figure 3D
 Groundwater Concentration
 and Inferred PSH Extent Map
 (11/10/2010)
 NMOCD Reference # GW-0294
 Plains Marketing, L.P.
 TNM 97-04
 Lea County, NM



2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720
 www.novasafetyandenvironmental.com

December 14, 2010	Scale: 1" = 40'	CAD By: TA	Checked By: RKR
Lat. N32° 44' 50.3" Long. W103° 23' 38.5"		NW1/4 SE1/4 Sec 18 T18S R36E	





Tables

TABLE 1

GROUNDWATER ELEVATION DATA - 2010

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	01/07/10	3974.62	52.09	52.85	0.76	3922.42
MW - 2	01/18/10	3974.62	52.04	52.92	0.88	3922.45
MW - 2	02/11/10	3974.62	52.05	52.90	0.85	3922.44
MW - 2	02/18/10	3974.62	52.04	52.90	0.86	3922.45
MW - 2	02/25/10	3974.62	52.08	52.95	0.87	3922.41
MW - 2	03/02/10	3974.62	52.11	52.92	0.81	3922.39
MW - 2	03/04/10	3974.62	52.09	52.83	0.74	3922.42
MW - 2	03/10/10	3974.62	52.08	52.93	0.85	3922.41
MW - 2	03/12/10	3974.62	52.15	52.86	0.71	3922.36
MW - 2	03/15/10	3974.62	52.09	52.74	0.65	3922.43
MW - 2	03/18/10	3974.62	52.10	52.69	0.59	3922.43
MW - 2	03/22/10	3974.62	52.18	52.74	0.56	3922.36
MW - 2	03/24/10	3974.62	52.17	52.68	0.51	3922.37
MW - 2	03/30/10	3974.62	52.15	52.65	0.50	3922.40
MW - 2	04/07/10	3974.62	52.18	52.63	0.45	3922.37
MW - 2	04/12/10	3974.62	52.03	52.81	0.78	3922.47
MW - 2	04/16/10	3974.62	52.69	54.59	1.90	3921.65
MW - 2	04/20/10	3974.62	52.55	54.31	1.76	3921.81
MW - 2	04/27/10	3974.62	52.54	54.40	1.86	3921.80
MW - 2	04/30/10	3974.62	52.58	54.08	1.50	3921.82
MW - 2	05/12/10	3974.62	52.52	54.20	1.68	3921.85
MW - 2	05/14/10	3974.62	52.54	54.39	1.85	3921.80
MW - 2	05/17/10	3974.62	52.55	54.19	1.64	3921.82
MW - 2	05/20/10	3974.62	52.50	54.19	1.69	3921.87
MW - 2	05/25/10	3974.62	52.38	53.90	1.52	3922.01
MW - 2	06/01/10	3974.62	52.39	53.89	1.50	3922.01
MW - 2	06/09/10	3974.62	52.37	53.86	1.49	3922.03
MW - 2	06/16/10	3974.62	52.43	53.11	0.68	3922.09
MW - 2	06/28/10	3974.62	52.36	53.47	1.11	3922.09
MW - 2	07/09/10	3974.62	52.44	53.12	0.68	3922.08
MW - 2	07/14/10	3974.62	52.06	52.58	0.52	3922.48
MW - 2	07/23/10	3974.62	52.09	52.60	0.51	3922.45
MW - 2	07/29/10	3974.62	52.07	52.60	0.53	3922.47
MW - 2	08/05/10	3974.62	52.08	52.60	0.52	3922.46
MW - 2	08/12/10	3974.62	52.07	52.60	0.53	3922.47
MW - 2	08/16/10	3974.62	52.07	52.60	0.53	3922.47
MW - 2	08/18/10	3974.62	52.07	52.62	0.55	3922.47
MW - 2	08/26/10	3974.62	52.34	53.05	0.71	3922.17
MW - 2	09/02/10	3974.62	52.41	53.40	0.99	3922.06
MW - 2	09/09/10	3974.62	52.09	52.59	0.50	3922.46
MW - 2	09/30/10	3974.62	52.09	52.61	0.52	3922.45
MW - 2	10/07/10	3974.62	52.09	52.72	0.63	3922.44
MW - 2	10/14/10	3974.62	52.48	53.43	0.95	3922.00
MW - 2	10/21/10	3974.62	52.51	53.42	0.91	3921.97
MW - 2	11/04/10	3974.62	52.08	52.71	0.63	3922.45

TABLE 1

GROUNDWATER ELEVATION DATA - 2010

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	11/10/10	3974.62	52.51	53.42	0.91	3921.97
MW - 2	12/01/10	3974.62	52.02	52.85	0.83	3922.48
MW - 2	12/08/10	3974.62	52.39	53.22	0.83	3922.11
MW - 3	01/07/10	3974.6	52.06	52.72	0.66	3922.44
MW - 3	01/18/10	3974.6	52.08	52.64	0.56	3922.44
MW - 3	02/11/10	3974.6	51.97	52.91	0.94	3922.49
MW - 3	02/18/10	3974.6	51.98	51.99	0.01	3922.62
MW - 3	02/25/10	3974.6	52.04	53.00	0.96	3922.42
MW - 3	03/02/10	3974.6	52.05	52.95	0.90	3922.42
MW - 3	03/04/10	3974.6	52.00	52.83	0.83	3922.48
MW - 3	03/10/10	3974.6	51.98	52.93	0.95	3922.48
MW - 3	03/12/10	3974.6	52.07	52.84	0.77	3922.41
MW - 3	03/15/10	3974.6	52.03	52.77	0.74	3922.46
MW - 3	03/18/10	3974.6	52.06	52.77	0.71	3922.43
MW - 3	03/22/10	3974.6	52.10	52.80	0.70	3922.40
MW - 3	03/24/10	3974.6	52.12	52.73	0.61	3922.39
MW - 3	03/30/10	3974.6	52.08	52.74	0.66	3922.42
MW - 3	04/07/10	3974.6	52.10	52.74	0.64	3922.40
MW - 3	04/12/10	3974.6	52.00	52.72	0.72	3922.49
MW - 3	04/16/10	3974.6	52.39	54.08	1.69	3921.96
MW - 3	04/20/10	3974.6	52.34	53.61	1.27	3922.07
MW - 3	04/27/10	3974.6	52.42	53.74	1.32	3921.98
MW - 3	04/30/10	3974.6	52.32	53.31	0.99	3922.13
MW - 3	05/12/10	3974.6	52.36	53.78	1.42	3922.03
MW - 3	05/14/10	3974.6	52.33	53.33	1.00	3922.12
MW - 3	05/17/10	3974.6	52.52	53.74	1.22	3921.90
MW - 3	05/20/10	3974.6	52.37	53.78	1.41	3922.02
MW - 3	05/25/10	3974.6	52.26	53.13	0.87	3922.21
MW - 3	06/01/10	3974.6	52.25	53.14	0.89	3922.22
MW - 3	06/09/10	3974.6	52.27	53.11	0.84	3922.20
MW - 3	06/16/10	3974.6	52.28	52.96	0.68	3922.22
MW - 3	06/28/10	3974.6	52.32	53.37	1.05	3922.12
MW - 3	07/09/10	3974.6	52.29	52.94	0.65	3922.21
MW - 3	07/23/10	3974.6	51.99	52.67	0.68	3922.51
MW - 3	07/29/10	3974.6	51.99	52.68	0.69	3922.51
MW - 3	08/05/10	3974.6	51.98	52.70	0.72	3922.51
MW - 3	08/12/10	3974.6	51.98	52.73	0.75	3922.51
MW - 3	08/16/10	3974.6	51.98	52.73	0.75	3922.51
MW - 3	08/18/10	3974.6	51.98	52.75	0.77	3922.50
MW - 3	08/26/10	3974.6	52.11	53.04	0.93	3922.35
MW - 3	09/02/10	3974.6	52.19	53.40	1.21	3922.23
MW - 3	09/09/10	3974.6	51.96	52.71	0.75	3922.53
MW - 3	09/30/10	3974.6	52.04	52.58	0.54	3922.48
MW - 3	10/07/10	3974.6	52.04	52.65	0.61	3922.47
MW - 3	10/14/10	3974.6	52.30	53.90	1.60	3922.06

TABLE 1

GROUNDWATER ELEVATION DATA - 2010

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 - 3	10/21/10	3974.6	52.28	53.89	1.61	3922.08
MW - 3	11/04/10	3974.6	52.18	53.24	1.06	3922.26
MW - 3	11/10/10	3974.6	52.29	53.87	1.58	3922.07
MW - 3	12/01/10	3974.6	51.96	52.81	0.85	3922.51
MW - 3	12/08/10	3974.6	52.09	53.16	1.07	3922.35
MW - 4	01/07/10	3974.53	-	52.00	0.00	3922.53
MW - 4	01/18/10	3974.53	-	52.02	0.00	3922.51
MW - 4	02/11/10	3974.53	-	52.01	0.00	3922.52
MW - 4	02/18/10	3974.53	-	51.99	0.00	3922.54
MW - 4	02/25/10	3974.53	-	52.02	0.00	3922.51
MW - 4	03/02/10	3974.53	-	52.09	0.00	3922.44
MW - 4	03/04/10	3974.53	-	51.92	0.00	3922.61
MW - 4	03/10/10	3974.53	-	51.99	0.00	3922.54
MW - 4	03/12/10	3974.53	-	52.05	0.00	3922.48
MW - 4	03/15/10	3974.53	-	51.99	0.00	3922.54
MW - 4	03/18/10	3974.53	-	52.00	0.00	3922.53
MW - 4	03/22/10	3974.53	-	52.05	0.00	3922.48
MW - 4	03/24/10	3974.53	-	52.08	0.00	3922.45
MW - 4	03/30/10	3974.53	-	52.04	0.00	3922.49
MW - 4	04/07/10	3974.53	-	52.07	0.00	3922.46
MW - 4	04/12/10	3974.53	-	51.98	0.00	3922.55
MW - 4	04/16/10	3974.53	-	52.29	0.00	3922.24
MW - 4	04/20/10	3974.53	-	52.18	0.00	3922.35
MW - 4	04/27/10	3974.53	-	52.24	0.00	3922.29
MW - 4	04/30/10	3974.53	-	52.17	0.00	3922.36
MW - 4	05/12/10	3974.53	-	52.23	0.00	3922.30
MW - 4	05/14/10	3974.53	-	52.18	0.00	3922.35
MW - 4	05/17/10	3974.53	-	52.37	0.00	3922.16
MW - 4	05/20/10	3974.53	-	52.25	0.00	3922.28
MW - 4	05/25/10	3974.53	-	52.10	0.00	3922.43
MW - 4	06/01/10	3974.53	-	52.09	0.00	3922.44
MW - 4	06/09/10	3974.53	-	52.07	0.00	3922.46
MW - 4	06/16/10	3974.53	-	52.05	0.00	3922.48
MW - 4	06/28/10	3974.53	52.15	52.16	0.01	3922.38
MW - 4	07/09/10	3974.53	-	52.07	0.00	3922.46
MW - 4	07/14/10	3974.53	-	51.96	0.00	3922.57
MW - 4	07/23/10	3974.53	-	51.95	0.00	3922.58
MW - 4	07/29/10	3974.53	-	51.94	0.00	3922.59
MW - 4	08/05/10	3974.53	-	51.95	0.00	3922.58
MW - 4	08/12/10	3974.53	-	51.97	0.00	3922.56
MW - 4	08/16/10	3974.53	-	51.97	0.00	3922.56
MW - 4	08/18/10	3974.53	-	51.95	0.00	3922.58
MW - 4	08/25/10	3974.53	-	52.03	0.00	3922.50
MW - 4	09/09/10	3974.53	-	51.95	0.00	3922.58
MW - 4	09/30/10	3974.53	-	51.95	0.00	3922.58
MW - 4	10/07/10	3974.53	-	52.00	0.00	3922.53
MW - 4	10/14/10	3974.53	-	52.19	0.00	3922.34
MW - 4	10/21/10	3974.53	-	52.21	0.00	3922.32

TABLE 1

GROUNDWATER ELEVATION DATA - 2010

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	11/04/10	3974.53	-	52.02	0.00	3922.51
MW - 4	11/10/10	3974.53	-	52.27	0.00	3922.26
MW - 4	12/01/10	3974.53	-	51.99	0.00	3922.54
MW - 4	12/08/10	3974.53	-	52.13	0.00	3922.40
MW - 5	01/07/10	3974.27	51.65	52.66	1.01	3922.47
MW - 5	01/18/10	3974.27	51.57	52.66	1.09	3922.54
MW - 5	02/11/10	3974.27	51.56	52.73	1.17	3922.53
MW - 5	02/18/10	3974.27	51.55	52.74	1.19	3922.54
MW - 5	02/25/10	3974.27	51.60	52.80	1.20	3922.49
MW - 5	03/02/10	3974.27	51.64	52.82	1.18	3922.45
MW - 5	03/04/10	3974.27	51.57	52.09	0.52	3922.62
MW - 5	03/10/10	3974.27	51.59	52.78	1.19	3922.50
MW - 5	03/12/10	3974.27	51.61	52.86	1.25	3922.47
MW - 5	03/15/10	3974.27	51.60	52.73	1.13	3922.50
MW - 5	03/18/10	3974.27	51.59	52.73	1.14	3922.51
MW - 5	03/22/10	3974.27	51.62	52.78	1.16	3922.48
MW - 5	03/24/10	3974.27	51.63	52.76	1.13	3922.47
MW - 5	03/30/10	3974.27	51.61	52.79	1.18	3922.48
MW - 5	04/07/10	3974.27	51.64	52.79	1.15	3922.46
MW - 5	04/12/10	3974.27	51.53	52.70	1.17	3922.56
MW - 5	04/16/10	3974.27	51.96	53.95	1.99	3922.01
MW - 5	04/20/10	3974.27	51.85	53.52	1.67	3922.17
MW - 5	04/27/10	3974.27	51.98	53.60	1.62	3922.05
MW - 5	04/30/10	3974.27	51.91	53.39	1.48	3922.14
MW - 5	05/12/10	3974.27	51.91	53.50	1.59	3922.12
MW - 5	05/14/10	3974.27	51.93	53.38	1.45	3922.12
MW - 5	05/17/10	3974.27	52.08	53.39	1.31	3921.99
MW - 5	05/20/10	3974.27	51.90	53.51	1.61	3922.13
MW - 5	05/25/10	3974.27	51.86	53.12	1.26	3922.22
MW - 5	06/01/10	3974.27	51.88	53.11	1.23	3922.21
MW - 5	06/09/10	3974.27	51.88	53.12	1.24	3922.20
MW - 5	06/16/10	3974.27	51.85	52.92	1.07	3922.26
MW - 5	06/28/10	3974.27	51.63	53.78	2.15	3922.32
MW - 5	07/09/10	3974.27	51.87	52.91	1.04	3922.24
MW - 5	07/14/10	3974.27	51.58	52.40	0.82	3922.57
MW - 5	07/23/10	3974.27	51.60	52.49	0.89	3922.54
MW - 5	07/29/10	3974.27	51.59	52.40	0.81	3922.56
MW - 5	08/05/10	3974.27	51.61	52.40	0.79	3922.54
MW - 5	08/12/10	3974.27	51.62	52.42	0.80	3922.53
MW - 5	08/16/10	3974.27	51.62	52.42	0.80	3922.53
MW - 5	08/18/10	3974.27	51.59	52.45	0.86	3922.55
MW - 5	08/25/10	3974.27	51.81	52.84	1.03	3922.31
MW - 5	09/02/10	3974.27	51.81	52.88	1.07	3922.30
MW - 5	09/09/10	3974.27	51.62	52.41	0.79	3922.53
MW - 5	09/30/10	3974.27	51.61	52.36	0.75	3922.55
MW - 5	10/07/10	3974.27	51.64	52.35	0.71	3922.52
MW - 5	10/14/10	3974.27	51.88	53.49	1.61	3922.15
MW - 5	10/21/10	3974.27	51.88	53.46	1.58	3922.15

TABLE 1

GROUNDWATER ELEVATION DATA - 2010

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	11/04/10	3974.27	51.86	52.77	0.91	3922.27
MW - 5	11/10/10	3974.27	51.88	53.43	1.55	3922.16
MW - 5	12/01/10	3974.27	51.70	52.44	0.74	3922.46
MW - 5	12/08/10	3974.27	51.85	52.77	0.92	3922.28
MW - 6	01/07/10	3974.72	52.35	52.55	0.20	3922.34
MW - 6	01/18/10	3974.72	52.4	52.52	0.12	3922.30
MW - 6	02/11/10	3974.72	52.3	52.61	0.31	3922.37
MW - 6	02/18/10	3974.72	52.3	52.68	0.38	3922.36
MW - 6	02/25/10	3974.72	52.41	52.61	0.20	3922.28
MW - 6	03/02/10	3974.72	52.43	52.58	0.15	3922.27
MW - 6	03/04/10	3974.72	52.46	52.56	0.10	3922.25
MW - 6	03/10/10	3974.72	52.37	52.53	0.16	3922.33
MW - 6	03/12/10	3974.72	52.43	52.56	0.13	3922.27
MW - 6	03/15/10	3974.72	52.36	52.50	0.14	3922.34
MW - 6	03/18/10	3974.72	52.35	52.46	0.11	3922.35
MW - 6	03/22/10	3974.72	52.41	52.54	0.13	3922.29
MW - 6	03/24/10	3974.72	52.48	52.54	0.06	3922.23
MW - 6	03/30/10	3974.72	52.49	52.55	0.06	3922.22
MW - 6	04/07/10	3974.72	52.50	52.53	0.03	3922.22
MW - 6	04/12/10	3974.72	52.40	52.41	0.01	3922.32
MW - 6	04/16/10	3974.72	52.87	52.89	0.02	3921.85
MW - 6	04/20/10	3974.72	52.98	53.00	0.02	3921.74
MW - 6	04/27/10	3974.72	52.83	52.84	0.01	3921.89
MW - 6	04/30/10	3974.72	52.80	52.82	0.02	3921.92
MW - 6	05/12/10	3974.72	sheen	52.74	0.00	3921.98
MW - 6	05/14/10	3974.72	sheen	52.84	0.00	3921.88
MW - 6	05/17/10	3974.72	sheen	52.96	0.00	3921.76
MW - 6	05/20/10	3974.72	52.72	52.73	0.00	3921.99
MW - 6	05/25/10	3974.72	sheen	52.57	0.00	3922.15
MW - 6	06/01/10	3974.72	52.26	52.28	0.02	3922.46
MW - 6	06/09/10	3974.72	52.59	52.60	0.01	3922.13
MW - 6	06/16/10	3974.72	52.55	52.56	0.01	3922.17
MW - 6	06/28/10	3974.72	52.60	52.63	0.03	3922.12
MW - 6	07/09/10	3974.72	52.53	52.54	0.01	3922.19
MW - 6	07/14/10	3974.72	52.35	52.36	0.01	3922.37
MW - 6	07/23/10	3974.72	52.40	52.42	0.02	3922.32
MW - 6	07/29/10	3974.72	52.40	52.43	0.03	3922.32
MW - 6	08/05/10	3974.72	sheen	52.40	0.00	3922.32
MW - 6	08/12/10	3974.72	sheen	52.46	0.00	3922.26
MW - 6	08/16/10	3974.72	sheen	52.46	0.00	3922.26
MW - 6	08/18/10	3974.72	sheen	52.35	0.00	3922.37
MW - 6	08/25/10	3974.72	52.41	52.42	0.01	3922.31
MW - 6	09/02/10	3974.72	52.27	52.29	0.02	3922.45
MW - 6	09/08/10	3974.72	52.45	52.46	0.01	3922.27
MW - 6	09/30/10	3974.72	52.33	52.37	0.04	3922.38
MW - 6	10/07/10	3974.72	52.41	52.45	0.04	3922.30
MW - 6	10/14/10	3974.72	52.74	52.75	0.01	3921.98
MW - 6	10/21/10	3974.72	sheen	52.73	0.00	3921.99

TABLE 1

GROUNDWATER ELEVATION DATA - 2010

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	11/04/10	3974.72	sheen	52.35	0.00	3922.37
MW - 6	11/10/10	3974.72	sheen	52.73	0.00	3921.99
MW - 6	12/01/10	3974.72	sheen	52.41	0.00	3922.31
MW - 6	12/08/10	3974.72	sheen	52.44	0.00	3922.28
MW - 7	01/07/10	3974.6	-	52.33	0.00	3922.27
MW - 7	02/11/10	3974.6	-	52.31	0.00	3922.29
MW - 7	05/17/10	3974.6	-	52.39	0.00	3922.21
MW - 7	08/16/10	3974.6	-	52.40	0.00	3922.20
MW - 7	11/10/10	3974.6	-	52.39	0.00	3922.21
MW - 9	01/07/10	3975.06	52.39	52.61	0.22	3922.64
MW - 9	01/18/10	3975.06	52.36	52.69	0.33	3922.65
MW - 9	02/11/10	3975.06	52.35	52.62	0.27	3922.67
MW - 9	02/18/10	3975.06	52.34	52.66	0.32	3922.67
MW - 9	02/25/10	3975.06	52.44	52.70	0.26	3922.58
MW - 9	03/02/10	3975.06	52.45	52.68	0.23	3922.58
MW - 9	03/04/10	3975.06	52.34	52.58	0.24	3922.68
MW - 9	03/10/10	3975.06	52.36	52.60	0.24	3922.66
MW - 9	03/12/10	3975.06	52.48	52.64	0.16	3922.56
MW - 9	03/15/10	3975.06	52.38	52.58	0.20	3922.65
MW - 9	03/18/10	3975.06	52.37	52.56	0.19	3922.66
MW - 9	03/22/10	3975.06	52.43	52.64	0.21	3922.60
MW - 9	03/24/10	3975.06	52.47	52.60	0.13	3922.57
MW - 9	03/30/10	3975.06	52.44	52.64	0.20	3922.59
MW - 9	04/07/10	3975.06	52.45	52.71	0.26	3922.57
MW - 9	04/12/10	3975.06	52.34	52.52	0.18	3922.69
MW - 9	04/16/10	3975.06	52.51	52.69	0.18	3922.52
MW - 9	04/20/10	3975.06	52.41	52.53	0.12	3922.63
MW - 9	04/27/10	3975.06	52.41	52.50	0.09	3922.64
MW - 9	04/30/10	3975.06	52.39	52.49	0.10	3922.66
MW - 9	05/12/10	3975.06	52.27	52.33	0.06	3922.78
MW - 9	05/14/10	3975.06	52.41	52.51	0.10	3922.64
MW - 9	05/17/10	3975.06	52.38	52.42	0.04	3922.67
MW - 9	05/20/10	3975.06	52.29	52.32	0.03	3922.77
MW - 9	05/25/10	3975.06	52.27	52.34	0.07	3922.78
MW - 9	06/01/10	3975.06	52.28	52.33	0.05	3922.77
MW - 9	06/09/10	3975.06	52.3	52.34	0.04	3922.75
MW - 9	06/16/10	3975.06	52.4	52.50	0.10	3922.65
MW - 9	06/28/10	3975.06	52.39	52.49	0.10	3922.66
MW - 9	07/09/10	3975.06	52.42	52.50	0.08	3922.63

TABLE 1

GROUNDWATER ELEVATION DATA - 2010

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	07/14/10	3975.06	52.34	52.50	0.16	3922.70
MW - 9	07/23/10	3975.06	52.35	52.51	0.16	3922.69
MW - 9	07/29/10	3975.06	52.35	52.52	0.17	3922.68
MW - 9	08/05/10	3975.06	52.35	52.60	0.25	3922.67
MW - 9	08/12/10	3975.06	52.35	52.54	0.19	3922.68
MW - 9	08/16/10	3975.06	52.35	52.54	0.19	3922.68
MW - 9	08/18/10	3975.06	52.35	52.54	0.19	3922.68
MW - 9	08/25/10	3975.06	52.41	52.63	0.22	3922.62
MW - 9	09/02/10	3975.06	52.35	52.51	0.16	3922.69
MW - 9	09/08/10	3975.06	52.37	52.52	0.15	3922.67
MW - 9	09/30/10	3975.06	52.35	52.53	0.18	3922.68
MW - 9	10/07/10	3975.06	52.36	52.52	0.16	3922.68
MW - 9	10/14/10	3975.06	52.37	52.54	0.17	3922.66
MW - 9	10/21/10	3975.06	52.39	52.52	0.13	3922.65
MW - 9	11/04/10	3975.06	52.35	52.53	0.18	3922.68
MW - 9	11/10/10	3975.06	52.41	52.49	0.08	3922.64
MW - 9	12/01/10	3975.06	52.31	52.56	0.25	3922.71
MW - 9	12/08/10	3975.06	52.39	52.54	0.15	3922.65
MW - 10	01/07/10	3975.02	-	52.25	0.00	3922.77
MW - 10	02/11/10	3975.02	-	52.24	0.00	3922.78
MW - 10	05/17/10	3975.02	-	52.41	0.00	3922.61
MW - 10	08/16/10	3975.02	-	52.41	0.00	3922.61
MW - 10	11/10/10	3975.02	-	52.42	0.00	3922.60
MW - 11	01/07/10	3975.3	-	53.02	0.00	3922.28
MW - 11	02/11/10	3975.3	-	52.99	0.00	3922.31
MW - 11	05/17/10	3975.3	-	53.16	0.00	3922.14
MW - 11	08/16/10	3975.3	-	53.15	0.00	3922.15
MW - 11	11/10/10	3975.3	-	53.17	0.00	3922.13
MW - 12	01/07/10	3974.55	-	51.95	0.00	3922.60
MW - 12	02/11/10	3974.55	-	51.95	0.00	3922.60
MW - 12	05/17/10	3974.55	-	52.13	0.00	3922.42
MW - 12	08/16/10	3974.55	-	52.13	0.00	3922.42
MW - 12	11/10/10	3974.55	-	52.13	0.00	3922.42
MW - 13	01/07/10	3975	-	52.94	0.00	3922.06
MW - 13	02/11/10	3975	-	52.92	0.00	3922.08
MW - 13	05/17/10	3975	-	53.06	0.00	3921.94
MW - 13	08/16/10	3975	-	53.06	0.00	3921.94
MW - 13	11/10/10	3975	-	53.09	0.00	3921.91
MW - 14	01/07/10	3976.15	-	53.64	0.00	3922.51
MW - 14	02/11/10	3976.15	-	53.63	0.00	3922.52
MW - 14	05/17/10	3976.15	-	53.72	0.00	3922.43

TABLE 1

GROUNDWATER ELEVATION DATA - 2010

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 - 14	08/16/10	3976.15	-	53.71	0.00	3922.44
MW - 14	11/10/10	3976.15	-	53.70	0.00	3922.45
MW - 15	01/07/10	3974.69	-	52.50	0.00	3922.19
MW - 15	02/11/10	3974.69	-	52.47	0.00	3922.22
MW - 15	05/17/10	3974.69	-	52.59	0.00	3922.10
MW - 15	08/16/10	3974.69	-	52.59	0.00	3922.10
MW - 15	11/10/10	3974.69	-	52.58	0.00	3922.11
MW - 16	01/07/10	3975.12	-	52.51	0.00	3922.61
MW - 16	02/11/10	3975.12	-	52.48	0.00	3922.64
MW - 16	05/17/10	3975.12	-	52.60	0.00	3922.52
MW - 16	08/16/10	3975.12	-	52.61	0.00	3922.51
MW - 16	11/10/10	3975.12	-	52.61	0.00	3922.51
MW - 18	01/07/10		-	53.70	0.00	-53.70
MW - 18	02/11/10		-	53.67	0.00	-53.67
MW - 18	05/17/10		-	53.79	0.00	-53.79
MW - 18	08/16/10		-	53.79	0.00	-53.79
MW - 18	11/10/10		-	53.80	0.00	-53.80
RW - 1	01/07/10	3970.79	47.95	48.20	0.25	3922.80
RW - 1	01/18/10	3970.79	47.91	48.28	0.37	3922.82
RW - 1	02/02/10	3970.79	47.88	48.55	0.67	3922.81
RW - 1	02/11/10	3970.79	47.84	48.51	0.67	3922.85
RW - 1	02/18/10	3970.79	47.82	48.60	0.67	3922.76
RW - 1	02/25/10	3970.79	47.99	48.34	1.67	3923.87
RW - 1	03/02/10	3970.79	48.05	48.28	0.23	3922.71
RW - 1	03/04/10	3970.79	47.97	48.10	0.13	3922.80
RW - 1	03/10/10	3970.79	47.93	48.26	0.33	3922.81
RW - 1	03/12/10	3970.79	47.98	48.37	0.39	3922.75
RW - 1	03/15/10	3970.79	48.00	48.10	0.10	3922.78
RW - 1	03/18/10	3970.79	47.88	48.42	0.54	3922.83
RW - 1	03/22/10	3970.79	48.00	48.23	0.23	3922.76
RW - 1	05/17/10	3970.79	50.39	50.48	0.09	3920.39
RW - 1	05/20/10	3970.79	50.08	50.39	0.31	3920.66
RW - 2	05/20/10	-	-	54.42	0	-54.42
RW - 3	05/20/10	-	54.73	58.8	4.07	-55.34
RW - 4	05/20/10	-	55.62	59.23	3.61	-56.16

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

TABLE 2

CONCENTRATIONS OF BTEX 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 LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62	
MW - 2	02/11/10	Not Sampled Due to PSH in Well				
MW - 2	05/17/10	Not Sampled Due to PSH in Well				
MW - 2	08/16/10	Not Sampled Due to PSH in Well				
MW - 2	11/10/10	Not Sampled Due to PSH in Well				
MW - 3	02/11/10	Not Sampled Due to PSH in Well				
MW - 3	05/17/10	Not Sampled Due to PSH in Well				
MW - 3	08/16/10	Not Sampled Due to PSH in Well				
MW - 3	11/10/10	Not Sampled Due to PSH in Well				
MW - 4	02/11/10	2.150	1.230	0.825	2.150	
MW - 4	05/17/10	0.747	0.125	0.335	0.549	
MW - 4	08/16/10	1.180	0.237	0.445	0.599	
MW - 4	11/10/10	0.583	0.174	0.370	0.762	
MW - 5	02/11/10	Not Sampled Due to PSH in Well				
MW - 5	05/17/10	Not Sampled Due to PSH in Well				
MW - 5	08/16/10	Not Sampled Due to PSH in Well				
MW - 5	11/10/10	Not Sampled Due to PSH in Well				
MW - 6	02/11/10	Not Sampled Due to PSH in Well				
MW - 6	05/17/10	Not Sampled Due to PSH in Well				
MW - 6	08/16/10	Not Sampled Due to PSH in Well				
MW - 6	11/10/10	4.04	2.830	0.494	1.710	
MW - 7	02/11/10	Not Sampled Due to Sample Reduction				
MW - 7	05/17/10	Not Sampled Due to Sample Reduction				
MW - 7	08/16/10	Not Sampled Due to Sample Reduction				
MW - 7	11/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/11/10	Not Sampled Due to PSH in Well				
MW - 9	05/17/10	Not Sampled Due to PSH in Well				
MW - 9	08/16/10	Not Sampled Due to PSH in Well				
MW - 9	11/10/10	Not Sampled Due to PSH in Well				
MW - 10	02/11/10	Not Sampled Due to Sample Reduction				
MW - 10	05/17/10	Not Sampled Due to Sample Reduction				
MW - 10	08/16/10	Not Sampled Due to Sample Reduction				
MW - 10	11/10/10	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX 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 LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62	
MW - 11	02/11/10	Not Sampled Due to Sample Reduction				
MW - 11	05/17/10	Not Sampled Due to Sample Reduction				
MW - 11	08/16/10	Not Sampled Due to Sample Reduction				
MW - 11	11/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/11/10	Not Sampled Due to Sample Reduction				
MW - 12	05/17/10	Not Sampled Due to Sample Reduction				
MW - 12	08/16/10	Not Sampled Due to Sample Reduction				
MW - 12	11/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/11/10	1.920	<0.005	<0.005	<0.005	
MW - 13	05/17/10	0.666	<0.005	<0.005	<0.005	
MW - 13	08/16/10	1.810	<0.020	0.0367	<0.020	
MW - 13	11/10/10	2.040	<0.020	<0.020	<0.020	
MW - 14	02/11/10	Not Sampled				
MW - 14	05/17/10	0.0107	<0.001	0.0681	0.248	
MW - 14	08/16/10	<0.001	0.0024	0.0372	0.134	
MW - 14	11/10/10	0.0057	<0.001	0.0127	0.0494	
MW - 15	02/11/10	1.640	<0.005	0.1410	0.0821	
MW - 15	05/21/10	0.787	<0.005	0.0366	0.0447	
MW - 15	08/16/10	0.819	<0.010	0.0350	0.0217	
MW - 15	11/10/10	0.0785	<0.010	<0.010	<0.010	
MW - 16	02/11/10	Not Sampled Due to Sample Reduction				
MW - 16	05/21/10	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/16/10	Not Sampled Due to Sample Reduction				
MW - 16	11/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 18	05/17/10	<0.001	<0.001	<0.001	<0.001	
MW - 18	08/16/10	<0.001	<0.001	<0.001	<0.001	
MW - 18	11/10/10	<0.001	<0.001	<0.001	<0.001	
RW - 1	02/11/10	Not Sampled Due to PSH in Well				
RW - 1	05/17/10	Not Sampled Due to PSH in Well				
RW - 1	08/16/10	Not Sampled Due to PSH in Well				
RW - 1	11/10/10	Not Sampled Due to PSH in Well				

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

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

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	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benz[a]pyrene	Benz[b]fluoranthene	Benz[e,h,i]perylene	Benz[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran	
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.	MW-15	<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	0.000993	0.00525	0.00386	0.000687	
		<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	0.00209	0.00101	<0.000184	<0.000184	
					Not Sampled as part of Quarterly Monitoring Event.																
	MW-16	<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	
		<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	<0.000184
					Not Sampled as part of Quarterly Monitoring Event.																
	MW-18	<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	<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	<0.000184	<0.000184
				Not Sampled as part of Quarterly Monitoring Event.																	
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	<0.000184	<0.000184	<0.000184	<0.000184	0.075	0.0857	0.0912	0.00817	
	11/25/09	<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	0.0961	0.113	0.126	0.0100	
	11/10/10				Not Sampled as part of Quarterly Monitoring Event.																



Appendices



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

DISTRICT I
P.O. BOX 1990, HOBBS, NM 88241-1990

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

OIL CONSERVATION DIVISION

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

TNM-97-04

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

Initial Report

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

OPERATOR Texas-New Mexico Pipe Line Company			ADDRESS P.O. Box 60028, San Angelo, TX 76906			TELEPHONE (915) 947-9000	
REPORT OF	FIRE	BREAK	SPILL	LEAK X	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRUG WELL	PROD WELL	TANK BTRY	PIPE LINE X	GASO PLANT	OIL RFY	OTHER*
FACILITY NAME: 4" gathering line							
LOCATION OF FACILITY Qtr/Qtr Sec. or Footage: SW/4 SW/4 SE/4 SE/4			SEC. TO: 11	TWP. 11S	RGE. 35E	COUNTY Lea	
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK: 2 miles west of Lovington							
DATE AND HOUR OF OCCURRENCE: Unknown				DATE AND HOUR OF DISCOVERY: April 16, 1997 4:00 p.m.			
WAS IMMEDIATE NOTICE GIVEN?		YES	NO	NOT REQUIRED X	IF YES, TO WHOM: Wayne Price		
BY WHOM: B. D. Chapman (reported that quantity may be more than 10 barrels)				DATE AND HOUR: April 25, 1997 9:00 a.m.			
TYPE OF FLUID LOST: Sweet Crude		QUANTITY OF LOSS: Unknown (*see note below)		VOLUME RECOVERED: None			
DID ANY FLUIDS REACH A WATERCOURSE?		YES	NO X	QUANTITY			
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 X	URBAN	OTHER*			
SURFACE CONDITION	SANDY	SANDY LOAM	CLAY	ROCKY X	WET	DRY X	SNOW
GENERAL 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: <i>[Signature]</i>		PRINTED NAME AND TITLE Edwin H. Gripp, District Manager			DATE: April 25, 1997		

SPECIFY

State Corp. Commission
Pipe Line Division

**ATTACH ADDITIONAL SHEETS IF NECESSARY

Hazardous Waste Section
NM Environmental Improvement Div.

TNM-97-04

BDC