AP - 13

ANNUAL MONITORING REPORT

YEAR(S): 2010

PLAINS ALL AMERICAN

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MAR 29 2011

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

March 23, 2011

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

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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 97-18

SW ¼ NE ¼ of SECTION 28, TOWNSHIP 20 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: TNM 97-18-KNOWN
NMOCD Reference AP-0013

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

March 2011

Ronald K. Rounsaville
Senior Project Manager

Brittan K. Byerly, P.G.
President

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ENCLOSED ON DATA DISK

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 97-18 Pipeline Release Site (the site), formerly the responsibility of Enron Oil Trading and Transportation (EOTT), is now the responsibility of Plains. This report is intended to be viewed as a complete document with figures, appendices, tables and text. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2010 only. Historic data is provided on the enclosed data disk. For reference, the 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 sampled as per a NMOCD directive.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The TNM 97-18 release occurred on September 10, 1997. The site is located south of Monument, New Mexico in the Southwest ¼ of the Northeast ¼ of Section 28, Township 20 South, Range 37 East. According to Form C-141, an estimated 83 barrels of crude oil was released from the 16-inch pipeline of which none was recovered. The Release Notification and Corrective Action (Form C-141) is provided as Appendix A.

A *Soil Closure Work Plan* (Work Plan) was submitted to the NMOCD in August 2006. The Work Plan proposed soil remediation activities intended to progress the site toward an NMOCD approved closure.

In February 2008, Plains received approval from the NMOCD to commence the soil remediation activities outlined in the Work Plan. Following the completion of the soil remediation activities, a *Soil Closure Request* dated August 2010 was submitted to the NMOCD for approval. On January 26, 2011, Plains received an email from the NMOCD approving the *Soil Closure Request* at the TNM 97-18 release site.

Currently, there are twenty-seven monitor wells (MW-1 through MW-30 excluding MW-13, MW-19, and MW-29 which have been plugged and abandoned) and two recovery wells (RW-1 and RW-2) onsite. A pneumatic product recovery system operated onsite incorporating three monitor wells (MW-4, MW-5 and MW-7) was discontinued at the end of 2006, due to declining PSH thicknesses on site.

FIELD ACTIVITIES

Product Recovery Efforts

A measurable thickness of PSH was detected in monitor well MW-7 during the 2010 annual reporting period. A maximum PSH thickness of 0.11 feet was recorded on November 17, 2010 and is shown on Table 1. The average thickness of PSH in monitor well MW-7 during 2010 was 0.06 feet. Approximately 2.25 gallons (0.05 barrels) of PSH was recovered from the site during the 2010 reporting period. A total of approximately 1,132 gallons (28.3 barrels) of PSH has 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 by NMOCD correspondence dated June 22, 2005.

NMOCD APPROVED SAMPLING SCHEDULE					
Location	**Schedule**	**Location**	**Schedule**	**Location**	**Schedule**
MW-1	Annually	MW-12	Annually	MW-23	Quarterly
MW-2	Quarterly	MW-13	Plugged and Abandoned	MW-24	Quarterly
MW-3	Quarterly	MW-14	Annually	MW-25	Quarterly
MW-4	Quarterly	MW-15	Annually	MW-26	Quarterly
MW-5	Quarterly	MW-16	Annually	MW-27	Quarterly
MW-6	Quarterly	MW-17	Quarterly	MW-28	Semi-Annually
MW-7	Quarterly	MW-18	Quarterly	MW-29	Plugged and Abandoned
MW-8	Annually	MW-19	Plugged and Abandoned	MW-30	Semi-Annually
MW-9	Annually	MW-20	Annually		
MW-10	Quarterly	MW-21	Annually	RW-1	Quarterly
MW-11	Annually	MW-22	Annually	RW-2	Quarterly

The site monitor wells were gauged and sampled on February 10, May 25, August 12-13 and November 17-18, 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 quarterly sampling events performed in 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 enclosed on the enclosed data disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.0073 feet/foot to the southeast as measured between MW-1 and MW-30. This

is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3,468.01 to 3474.60 feet above mean sea level, in monitor well MW-27 on August 13, 2010 and in monitor well MW-2 on August 3, 2010, respectively.

LABORATORY RESULTS

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 wells MW-2, MW-3, MW-4, MW-6, MW-10, MW-17 and MW-18 and recovery wells RW-1 and RW-2. 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-1 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below laboratory method detection limits (MDL) and the NMOCD regulatory standard of 0.01 mg/L for benzene, 0.75 mg/L for toluene, 0.75 mg/L for ethylbenzene and 0.62 mg/L for xylene, for each BTEX constituent during the 4th quarter sampling event. Monitor well MW-1 has exhibited thirty-eight consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted on samples from MW-1 during the 4th quarter sampling event.

Monitor well MW-2 is sampled on a quarterly schedule. Analytical results indicate the benzene concentration ranged from 0.0761 mg/L during the 3rd quarter to 0.7690 mg/L during the 2nd quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentration ranged from <0.001 mg/L during the 4th quarter to 0.0047 mg/L during the 3rd quarter of 2010. Toluene concentrations were below the NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0758 mg/L during the 3rd quarter to 0.2970 mg/L during the 2nd quarter of 2010. Ethylbenzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from 0.0607 mg/L during the 1st quarter to 0.1200 mg/L during the 2nd quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00164 mg/L), 1-methylnaphthalene (0.0065 mg/L), 2-methylnaphthalene (0.00198 mg/L), phenanthrene (0.00419 mg/L) and dibenzofuran (0.00219 mg/L), which are below WQCC standards.

Monitor well MW-3 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.8640 mg/L during the 3rd quarter to 1.390 mg/L during the 1st

quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.100 mg/L during the 3rd and 4th quarters to 0.1870 mg/L during the 1st quarter of 2010. Ethylbenzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.100 mg/L during the 3rd and 4th quarters to 0.1480 mg/L during the 1st quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00239 mg/L), 1-methylnaphthalene (0.00485 mg/L), 2-methylnaphthalene (0.000925 mg/L), fluorine (0.000552 mg/L), phenanthrene (0.00091 mg/L), and dibenzofuran (0.000708 mg/L), which are below WQCC standards.

Monitor well MW-4 is sampled on a quarterly schedule. Analytical results indicate benzene concentrations ranged from 1.680 mg/L during the 2nd quarter to 2.800 mg/L during the 4th quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.1570 mg/L during the 1st quarter to 0.6970 mg/L during the 4th quarter of 2010. Ethylbenzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.100 mg/L during the 4th quarter to 0.3150 mg/L during the 2nd quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0101 mg/L), 1-methylnaphthalene (0.0162 mg/L) and 2-methylnaphthalene (0.00576 mg/L). Additional PAH constituents detected above MDLs include fluorine (0.00174 mg/L), phenanthrene (0.0017 mg/L), and dibenzofuran (0.00232 mg/L), which are below WQCC standards.

Monitor well MW-5 is sampled on a quarterly schedule, but was not sampled during the 2nd, 3rd, and 4th quarter sampling events due to a lack of sufficient water volume and an obstructed well casing. Analytical results from the 1st quarter sampling event indicated a benzene concentration of 0.9970 mg/L. Benzene concentrations were above NMOCD regulatory standards during the 1st quarter of the reporting period. Toluene concentrations were below NMOCD regulatory standards during the 1st quarter of the reporting period. Analytical results indicated an ethylbenzene concentration of 0.4380 mg/L during the 1st quarter of 2010. Ethylbenzene concentrations were below NMOCD regulatory standards during the 1st quarter of the reporting period. Analytical results indicated a xylene concentration of 0.2200 mg/L during the 1st quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during the 1st quarter of the reporting period. PAH analysis was not conducted due to an obstruction in the well casing during the 4th quarter sampling event.

Monitor well MW-6 is sampled on a quarterly schedule. Analytical results indicate benzene concentrations ranged from 0.0469 mg/L during the 3rd quarter to 1.280 mg/L during the 2nd quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentration ranged from <0.001 mg/L during

the 4th quarter to 0.9420 mg/L during the 2nd quarter of 2010. Toluene concentrations were above the NMOCD regulatory standards during the 2nd quarter of the reporting period. Ethylbenzene concentrations ranged from 0.0766 mg/L during the 4th quarter to 1.310 mg/L during the 2nd quarter of 2010. Ethylbenzene concentrations were above NMOCD regulatory standards during the 2nd quarter of the reporting period. Xylene concentrations ranged from 0.0516 mg/L during the 4th quarter to 2.870 mg/L during the 2nd quarter of 2010. Xylene concentrations were above NMOCD regulatory standards during the 2nd quarter of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for 1-methylnaphthalene (0.00393 mg/L), fluorine (0.00264 mg/L), phenanthrene (0.00342 mg/L), and dibenzofuran (0.00253 mg/L), which are below WQCC standards.

Monitor well MW-7 is sampled on a quarterly schedule. Monitor well MW-7 was not sampled during the 2nd, 3rd and 4th quarters of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 0.08 feet, 0.06 feet and 0.11 feet were reported during the 1st, 2nd and 3rd quarters of 2010, respectively. Analytical results from the 1st quarter sampling event indicated a benzene concentration of 0.5410 mg/L. Benzene concentrations were above NMOCD regulatory standards during the 1st quarter of the reporting period. Toluene concentrations were below NMOCD regulatory standards during the 1st quarter of the reporting period. Analytical results indicated an ethylbenzene concentration of 0.0614 mg/L during the 1st quarter of 2010. Ethylbenzene concentrations were below NMOCD regulatory standards during the 1st quarter of the reporting period. Analytical results indicated a xylene concentration of 0.0955 mg/L during the 1st quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during the 1st quarter of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Monitor well MW-8 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. Monitor well MW-8 has exhibited twenty-six consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted on samples from MW-8 during the 4th quarter sampling event.

Monitor well MW-9 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. Monitor well MW-9 has exhibited twenty-six consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted on samples from MW-9 during the 4th quarter sampling event.

Monitor well MW-10 is sampled on a quarterly schedule. Analytical results indicate the benzene concentration ranged from 0.2250 mg/L during the 3rd quarter to 0.5640 mg/L during the 4th quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.005 mg/L during the 2nd quarter to 0.3550 mg/L during the 4th quarter of 2010. Ethylbenzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.005 mg/L during the 2nd quarter to 0.0307 mg/L during the 1st quarter of 2010. Xylene concentrations were below

NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00209 mg/L), 1-methylnaphthalene (0.0146 mg/L), 2-methylnaphthalene (0.000504 mg/L), dibenzofuran (0.00286 mg/L), fluorine (0.00245 mg/L), and phenanthrene (0.00321 mg/L), which are below WQCC standards.

Monitor well MW-11 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. Monitor well MW-11 has exhibited twenty-seven consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted on samples from MW-11 during the 4th quarter sampling event.

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 was not conducted on samples from MW-12 during the 4th quarter sampling event.

Monitor well MW-14 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. Monitor well MW-14 has exhibited twenty-seven consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted on samples from MW-14 during the 4th quarter sampling event.

Monitor well MW-15 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. Monitor well MW-15 has exhibited twenty-seven consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted on samples from MW-15 during the 4th quarter sampling event.

Monitor well MW-16 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. Monitor well MW-16 has exhibited twenty-seven consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted on samples from MW-16 during the 4th quarter sampling event.

Monitor well MW-17 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 1.850 mg/L during the 4th quarter to 2.520 mg/L during the 2nd quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from 1.580 mg/L during the 1st quarter to 2.190 mg/L during the 2nd quarter of 2010. Ethylbenzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.100 mg/L during the 4th quarter to 0.4050 mg/L during the 3rd quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking

Water Standards for naphthalene (0.0155 mg/L), 1-methylnaphthalene (0.0153 mg/L) and 2-methylnaphthalene (0.00854 mg/L). Additional PAH constituents detected above MDLs include fluorine (0.00107 mg/L), phenanthrene (0.000848 mg/L), and dibenzofuran (0.00153 mg/L), which are below WQCC standards.

Monitor well MW-18 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 2.090 mg/L during the 4th quarter to 3.070 mg/L during the 3rd quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from 1.330 mg/L during the 4th quarter to 2.020 mg/L during the 1st quarter of 2010. Ethylbenzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from 0.2630 mg/L during the 2nd quarter to 0.5560 mg/L during the 1st quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0247 mg/L), 1-methylnaphthalene (0.0191 mg/L) and 2-methylnaphthalene (0.012 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.00112 mg/L), phenanthrene (0.000842 mg/L) and dibenzofuran (0.00162 mg/L), which are below WQCC standards.

Monitor well MW-20 is sampled on an annual schedule. Analytical results from the 4th quarter sampling event indicated a benzene concentration of 0.0185 mg/L. Benzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period. Analytical results indicated Toluene, Ethyl-benzene and xylene concentrations were below the MDL and NMOCD regulatory standards during the 4th quarter sampling event. PAH analysis was not conducted on samples from MW-20 during the 4th quarter sampling event.

Monitor well MW-21 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. Monitor well MW-21 has exhibited twenty-seven consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted on samples from MW-21 during the 4th quarter sampling event.

Monitor well MW-22 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. Monitor well MW-22 has exhibited twenty-seven consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted on samples from MW-22 during the 4th quarter sampling event.

Monitor well MW-23 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.2730 mg/L during the 2nd quarter to 0.6340 mg/L during the 1st quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations ranged from <0.020 mg/L during the 1st quarter to 0.0850 mg/L during the 2nd quarter of 2010. Toluene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period.

Ethylbenzene concentrations ranged from <0.020 mg/L during the 1st quarter to 0.0820 mg/L during the 2nd quarter of 2010. Ethylbenzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.020 mg/L during the 1st quarter to 0.2550 mg/L during the 2nd quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis was not conducted on samples from MW-23 during the 4th quarter sampling event.

Monitor well MW-24 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.6930 mg/L during the 2nd quarter to 1.880 mg/L during the 4th quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations ranged from <0.020 mg/L during the 1st quarter to 0.0335 mg/L during the 2nd quarter of 2010. Toluene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.050 mg/L during the 3rd and 4th quarters to 0.0991 mg/L during the 2nd quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis was not conducted on samples from MW-24 during the 4th quarter sampling event.

Monitor well MW-25 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.442 mg/L during the 1st quarter to 0.600 mg/L during the 3rd quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene, ethylbenzene and xylene concentrations were below MDLs and NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis was not conducted on samples from MW-25 during the 4th quarter sampling event.

Monitor well MW-26 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.0026 mg/L during the 1st quarter of 2010. Benzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 2nd and 4th quarters to 0.0053 mg/L during the 1st quarter of 2010. Ethylbenzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 1st, 2nd and 4th quarters to 0.0015 mg/L during the 3rd quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis was not conducted on samples from MW-26 during the 4th quarter sampling event.

Monitor well MW-27 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. Monitor well MW-27 has exhibited twenty-seven consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted on samples from MW-27 during the 4th quarter sampling event.

Monitor well MW-28 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during the 2nd and 4th quarters of the reporting period. Monitor well MW-28 has exhibited thirteen consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted on samples from MW-28 during the 4th quarter sampling event.

Monitor well MW-30 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during the 2nd and 4th quarters of the reporting period. Monitor well MW-30 has exhibited twenty-nine consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted on samples from MW-30 during the 4th quarter sampling event.

Recovery well RW-1 is sampled on a quarterly schedule. Analytical results indicate benzene concentrations ranged from 0.5610 mg/L during the 3rd quarter to 1.450 mg/L during the 2nd quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations ranged from <0.100 mg/L during the 3rd quarter to 0.3960 mg/L during the 4th quarter of 2010. Toluene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.200 mg/L during the 3rd quarter to 0.6510 mg/L during the 4th quarter of 2010. Ethylbenzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from 0.1100 mg/L during the 3rd quarter to 0.9500 mg/L during the 4th quarter of 2010. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter and below NMOCD regulatory standards during the 1st, 2nd and 3rd quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00745 mg/L), 1-methylnaphthalene (0.00615 mg/L), 2-methylnaphthalene (0.00481 mg/L), dibenzofuran (0.00187 mg/L), fluorine (0.00152 mg/L), and phenanthrene (0.00281 mg/L), which are below WQCC standards.

Recovery well RW-2 is sampled on a quarterly schedule. Analytical results indicate benzene concentrations ranged from 0.5140 mg/L during the 3rd quarter to 1.000 mg/L during the 4th quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.3750 mg/L during the 2nd quarter to 0.5390 mg/L during the 4th quarter of 2010. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period. Xylene concentrations ranged from <0.100 mg/L during the 4th quarter to 0.2680 mg/L during the 1st quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0114 mg/L), 1-methylnaphthalene (0.0181 mg/L) and 2-methylnaphthalene (0.00745 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.00403 mg/L), phenanthrene (0.0059 mg/L) and dibenzofuran (0.00428 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 2010 annual monitoring period. Currently, there are twenty seven groundwater monitor wells (MW-1 through MW-30, excluding MW-13, MW-19, and MW-29 which have been plugged and abandoned) and two PSH recovery wells (RW-1 and RW-2) on-site. Manual over pumping of wells exhibiting elevated hydrocarbon concentrations occurs on a weekly schedule. Groundwater elevation contours generated from water level measurements acquired indicated a general gradient of approximately 0.0073 feet/foot to the southeast.

A measurable thickness of PSH was detected in monitor well MW-7 during the 2010 annual reporting period. A maximum PSH thickness of 0.11 feet was recorded on November 17, 2010 and is shown on Table 1. The average thickness of PSH in monitor well MW-7 during 2010 was 0.06 feet. Approximately 2.25 gallons (0.05 barrels) of PSH was recovered from the site during the 2010 reporting period. A total of approximately 1,132 gallons (28.3 barrels) of PSH has been recovered since project inception.

Review of the laboratory analytical results indicates, fourteen monitor wells exhibited BTEX constituent concentrations below the NMOCD regulatory standard during the reporting period. Analytical results on groundwater samples collected indicate PAH concentrations are demonstrating an increasing trend in four monitor and recovery wells (MW-4, MW-17 and MW-18 and RW-2) and a decreasing trend in five monitor and recovery wells (MW-2, MW-3, MW-6, MW-10 and RW-1) at the site.

ANTICIPATED ACTIONS

Quarterly gauging and sampling will continue in 2010. Manual over pumping will occur weekly and will be adjusted according to site conditions. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2012.

Based on the results of the PAH analysis over the past several years, further PAH analysis be conducted only on those monitor and recovery wells (MW-2 through MW-7, MW-10, MW-17, MW-18 and RW-1 and RW-2) 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

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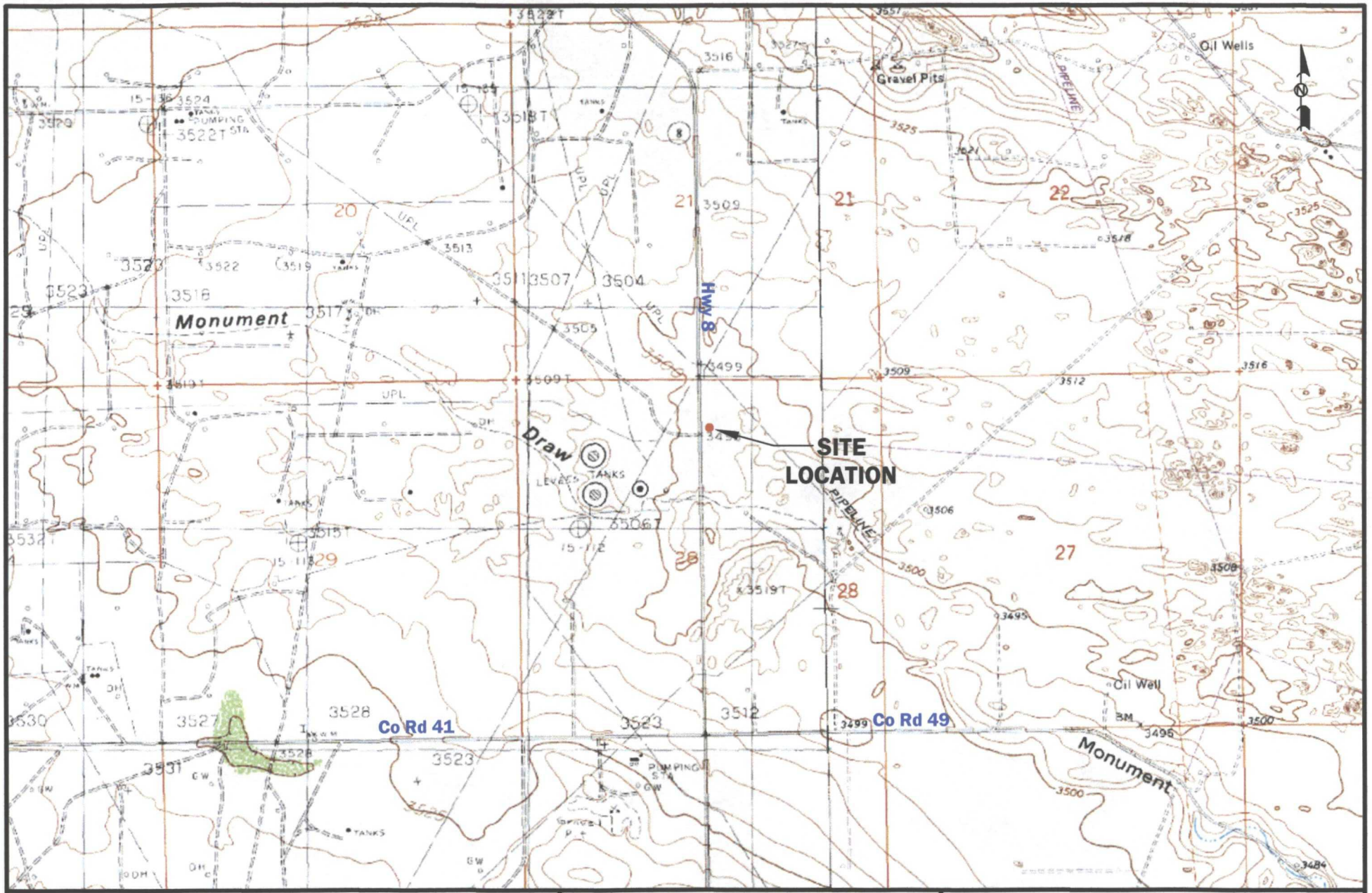
Figures



LEGEND:

2000 1000 0 1000 2000

Distance in Feet

NMOCD Reference #AP-13

Figure 1
Site Location Map
TNM 97-18
Plains Marketing, L.P.
Lea County, NM

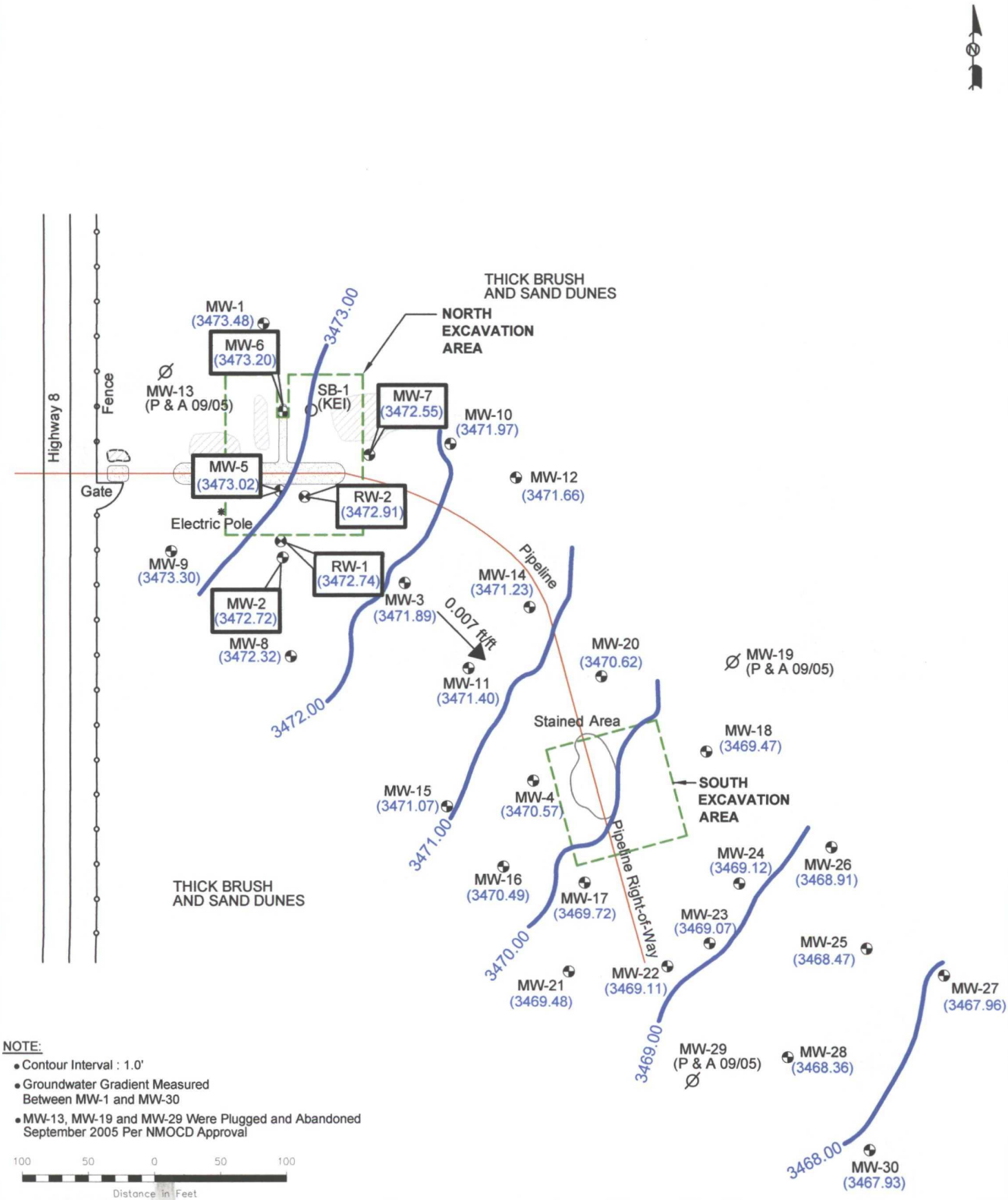
NOVA safety and environmental

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° 32' 57.00" W 103° 15' 22.00"



NOTE:

- Contour Interval : 1.0'
- Groundwater Gradient Measured Between MW-1 and MW-30
- MW-13, MW-19 and MW-29 Were Plugged and Abandoned September 2005 Per NMOCD Approval

LEGEND:

- Monitor Well
- Recovery Well
- Soil Boring
- Well Plugged and Abandoned
- Stockpile Soil
- Excavated Area
- Geoprobe Location
- NG — Not Gauged
- (3473.00) — Groundwater Elevation in Feet
- Groundwater Contour Line
- 0.001 ft/ft — Groundwater Gradient and Magnitude

Figure 2A
Inferred Groundwater Gradient Map
(02/10/2010)
NMOCD Ref # AP-0013
Plains Marketing, L.P.
TNM 97-18
Lea County, NM

NOVA safety and environmental
2057 Commerce Drive
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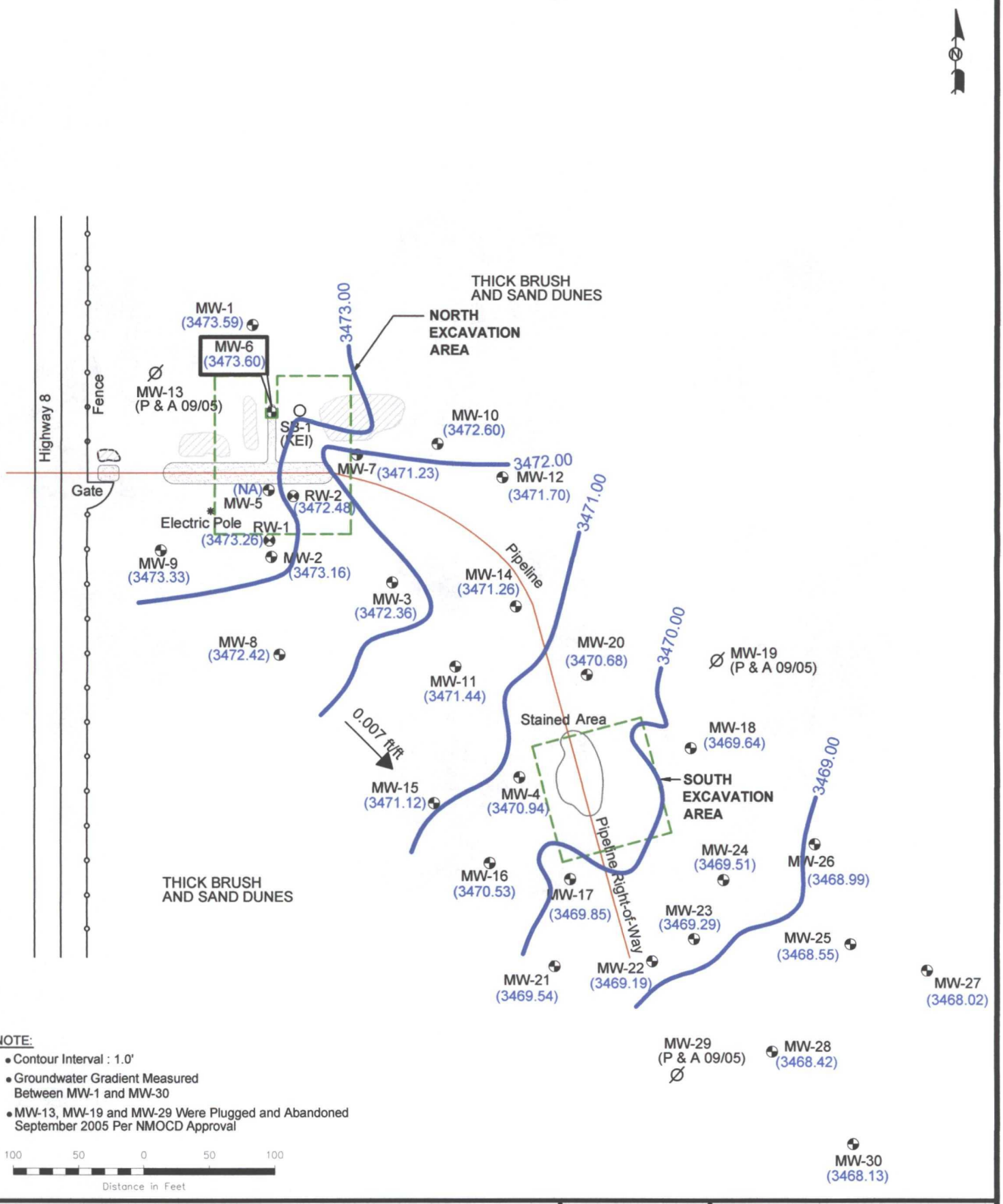
432.520.7720
www.novasafetyandenvironmental.com

Scale: 1" = 100'	CAD By: SAT	Checked By: RKR
May 18, 2010	SW1/4, NE 1/4, Section 28, T20S, R37E	



NOTE:

- Contour Interval : 1.0'
- Groundwater Gradient Measured Between MW-1 and MW-30
- MW-13, MW-19 and MW-29 Were Plugged and Abandoned September 2005 Per NMOCD Approval

LEGEND:

- Monitor Well
- Recovery Well
- Soil Boring
- Well Plugged and Abandoned
- Stockpile Soil
- Excavated Area
- Geoprobe Location
- NG — Not Gauged
- (3473.00) — Groundwater Elevation in Feet
- Groundwater Contour Line
- 0.001 ft/ft — Groundwater Gradient and Magnitude

Figure 2B
Inferred Groundwater Gradient Map
(05/25/2010)
NMOCD Ref # AP-0013
Plains Marketing, L.P.
TNM 97-18
Lea County, NM

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432.520.7720
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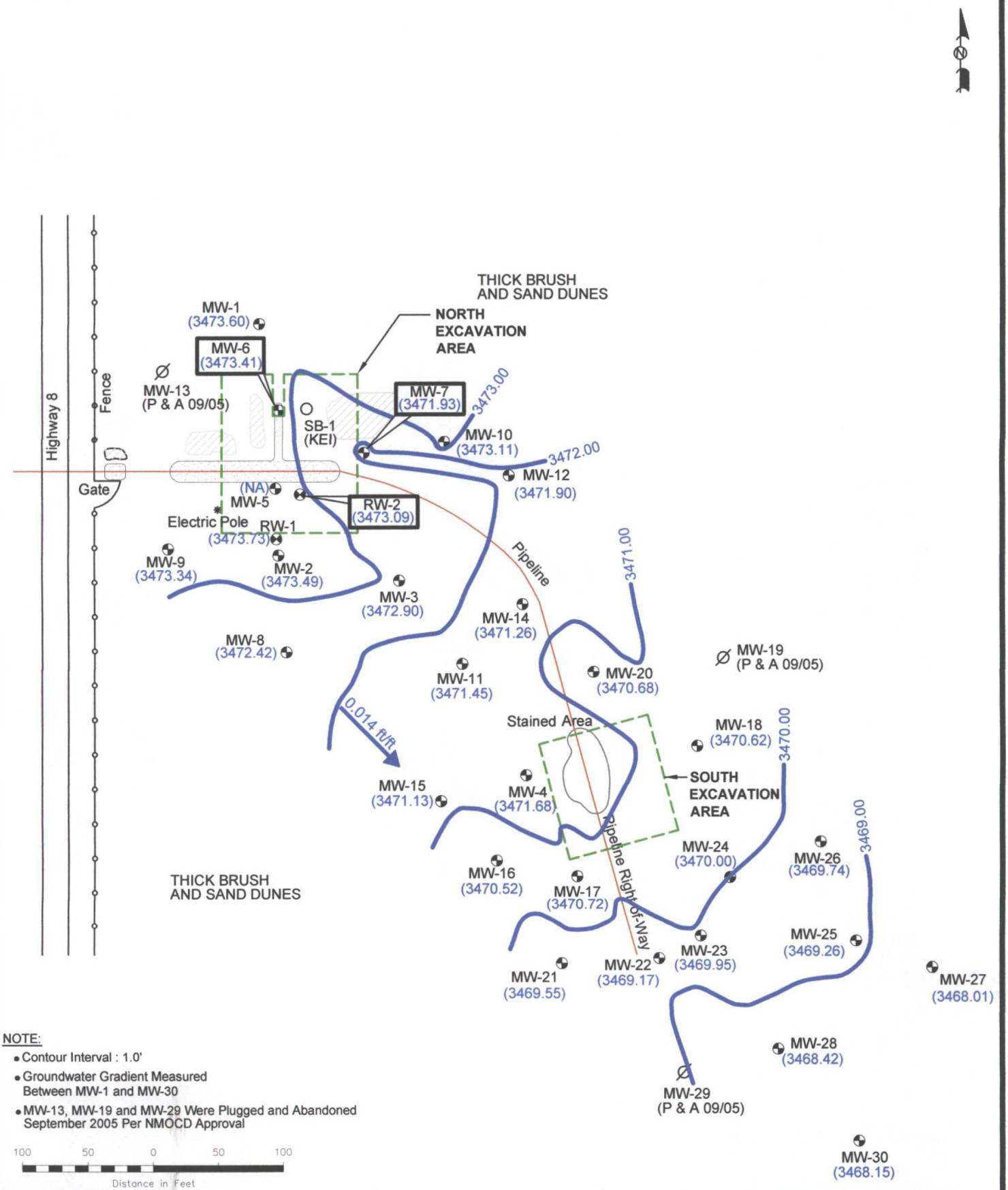
Scale: 1" = 100'	CAD By: DGC	Checked By: RKR
June 19, 2010	SW1/4, NE 1/4, Section 28, T20S, R37E	



NOTE:

- Contour Interval : 1.0'
- Groundwater Gradient Measured Between MW-1 and MW-30
- MW-13, MW-19 and MW-29 Were Plugged and Abandoned September 2005 Per NMOCD Approval

100 50 0 50 100

Distance in Feet

LEGEND:

- Monitor Well
- Recovery Well
- Soil Boring
- Well Plugged and Abandoned
- Stockpile Soil
- Excavated Area
- Geoprobe Location
- NG — Not Gauged
- (3473.00) — Groundwater Elevation in Feet
- Groundwater Contour Line
- 0.001 ft/ft — Groundwater Gradient and Magnitude

Figure 2C
Inferred Groundwater Gradient Map
(08/13/2010)
NMOCD Ref # AP-0013
Plains Marketing, L.P.
TNM 97-18
Lea County, NM

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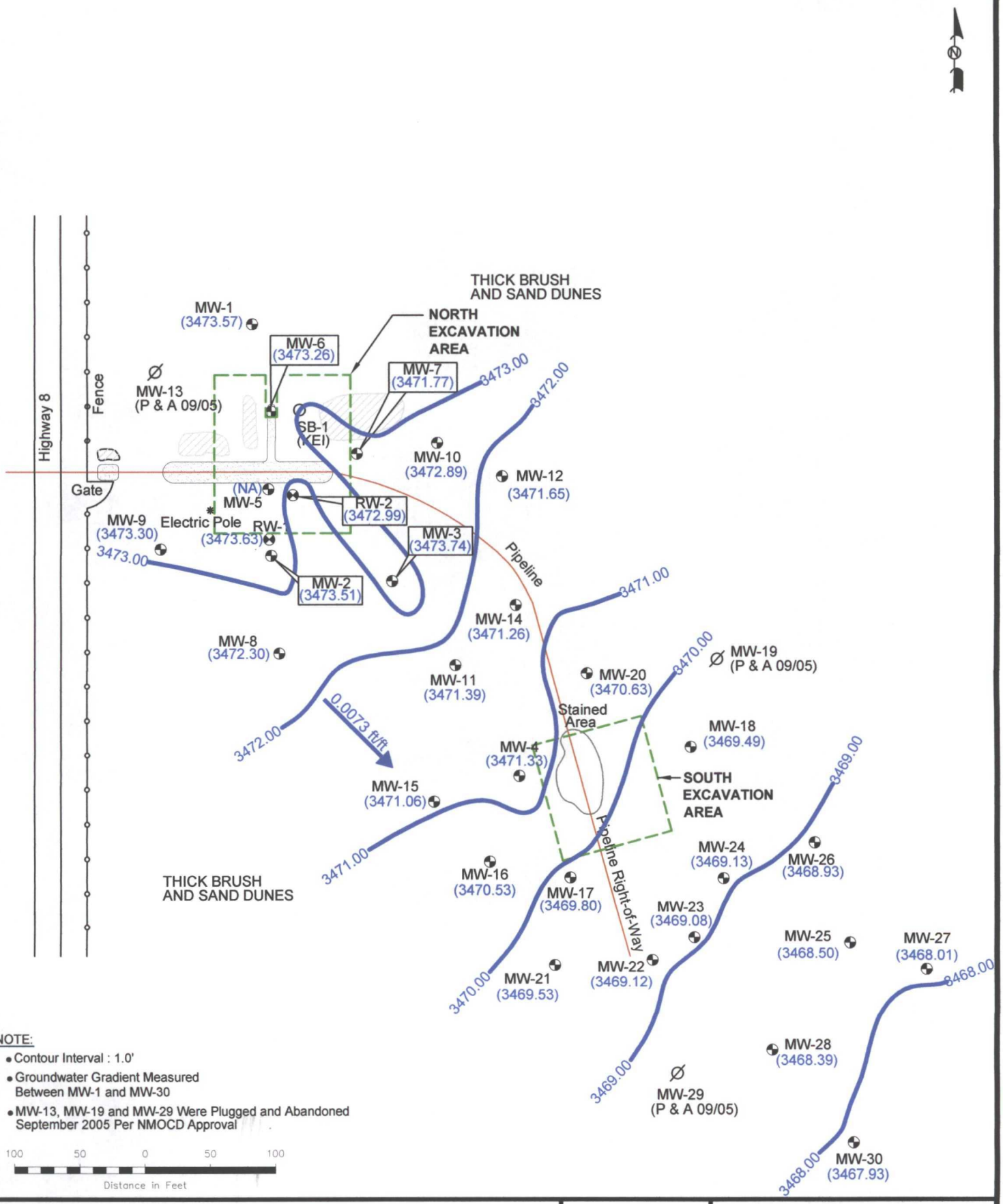
Scale: 1" = 100'	CAD By: TA	Checked By: RKR
September 28, 2010	SW1/4, NE 1/4, Section 28, T20S, R37E	



NOTE:

- Contour Interval : 1.0'
- Groundwater Gradient Measured Between MW-1 and MW-30
- MW-13, MW-19 and MW-29 Were Plugged and Abandoned September 2005 Per NMOCD Approval

LEGEND:

- Monitor Well
- Recovery Well
- Soil Boring
- Well Plugged and Abandoned
- Stockpile Soil
- Excavated Area
- Geoprobe Location
- NG — Not Gauged
- (3473.00) — Groundwater Elevation in Feet
- Groundwater Contour Line
- 0.001 ft/ft — Groundwater Gradient and Magnitude

Figure 2D
Inferred Groundwater Gradient Map
(11/17/2010)
NMOCD Ref # AP-0013
Plains Marketing, L.P.
TNM 97-18
Lea County, NM

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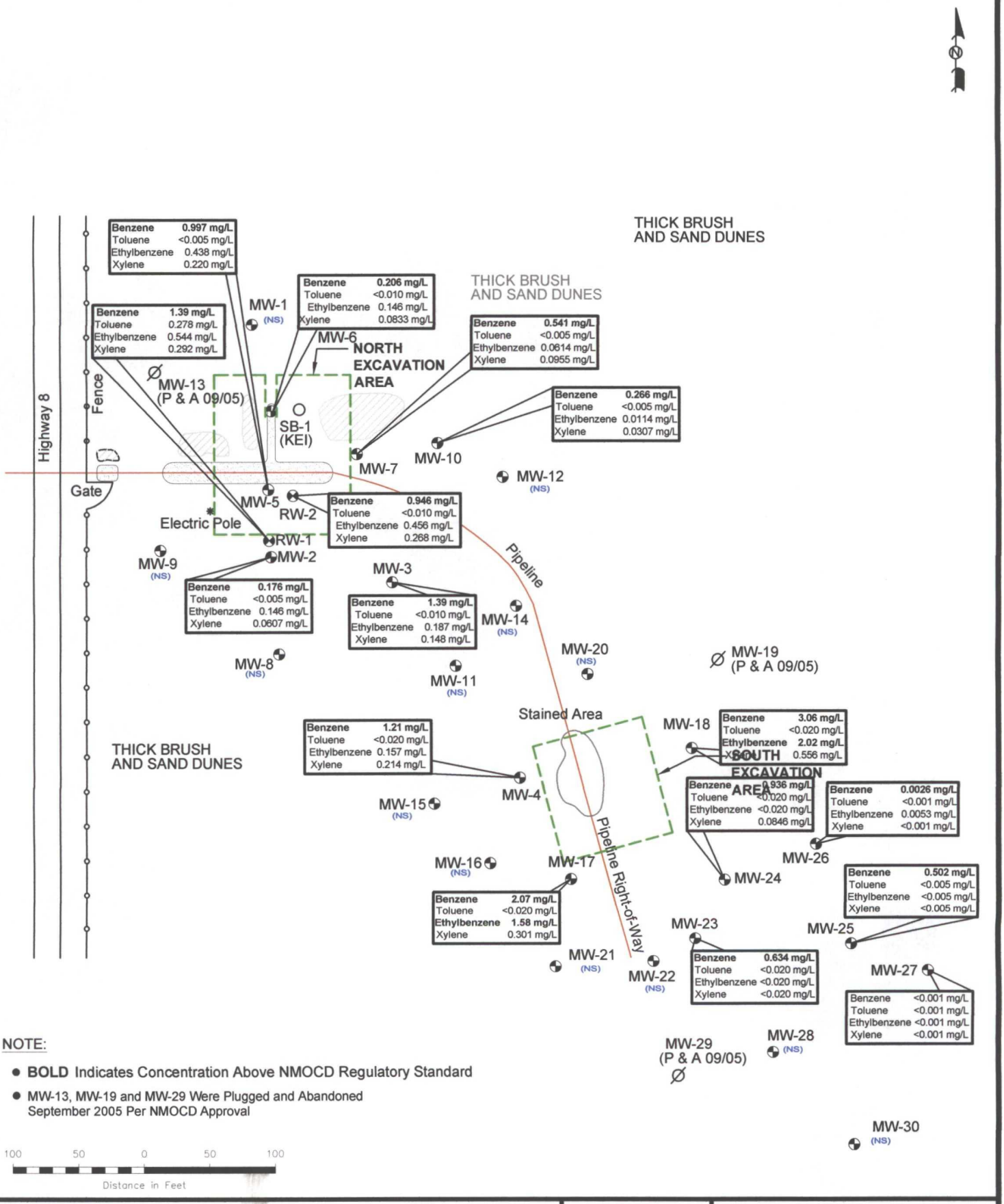
Scale: 1" = 100'	CAD By: TA	Checked By: CJB
September 28, 2010	SW1/4, NE 1/4, Section 28, T20S, R37E	



NOTE:

- **BOLD** Indicates Concentration Above NMOCD Regulatory Standard
- MW-13, MW-19 and MW-29 Were Plugged and Abandoned September 2005 Per NMOCD Approval

Legend:

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

Figure 3A
Groundwater Concentration and Inferred PSH Extent Map (02/10/10)
NMOCD Ref # AP-0013
Plains Marketing, L.P.
TNM 97-18
Lea County, NM

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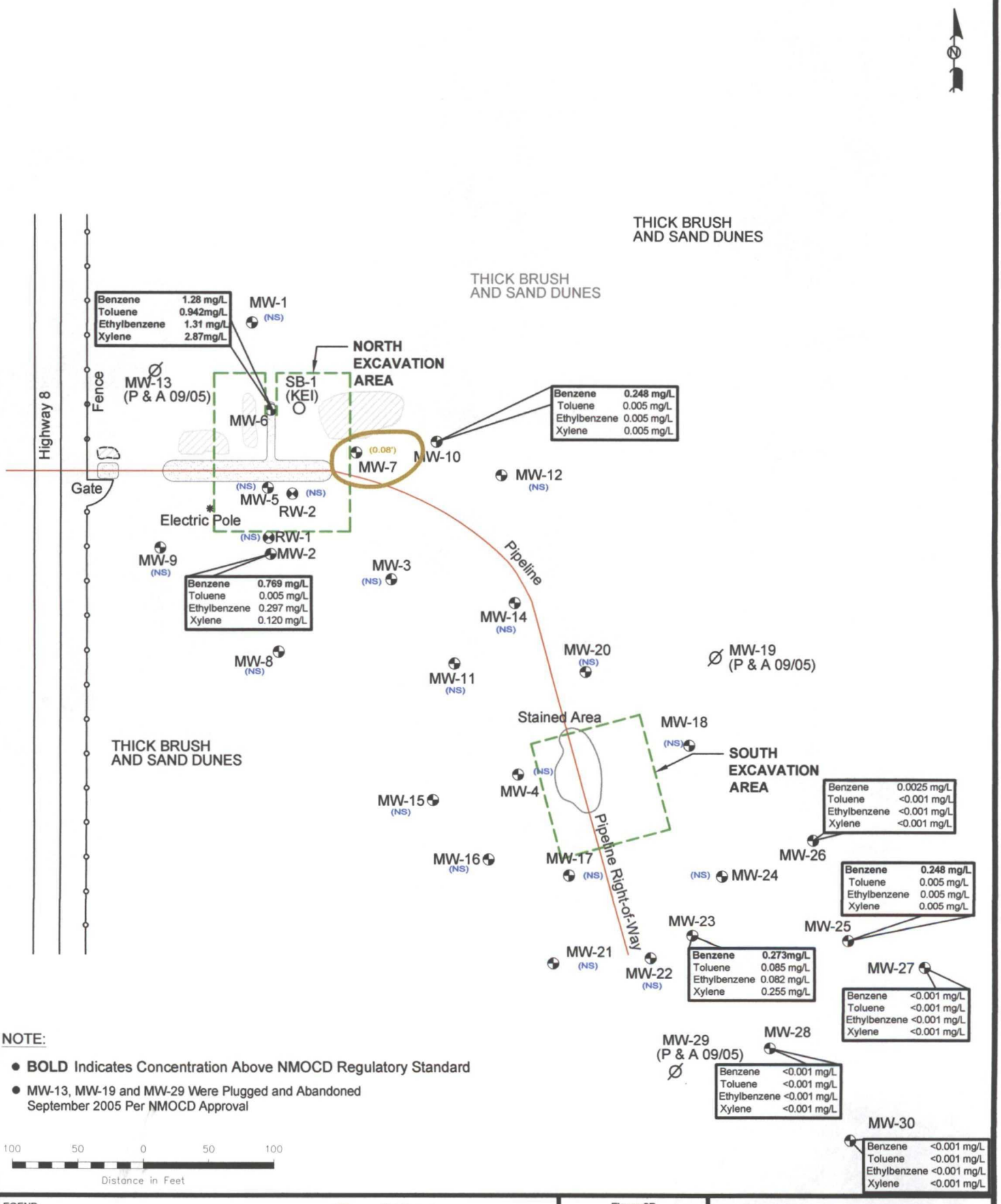
Scale: 1" = 100'	CAD By: SAT	Checked By: RKR
May 18, 2010	SW1/4, NE 1/4, Section 28, T20S, R37E	



NOTE:

- **BOLD** Indicates Concentration Above NMOCD Regulatory Standard
- MW-13, MW-19 and MW-29 Were Plugged and Abandoned September 2005 Per NMOCD Approval

LEGEND:

- Monitor Well
- Recovery Well
- Soil Boring
- Well Plugged and Abandoned
- Stockpile Soil
- Excavated Area
- Geoprobe Location
- NG — Not Gauged
- (3473.00) — Groundwater Elevation in Feet
- Groundwater Contour Line
- 0.001 ft/ft — Groundwater Gradient and Magnitude

Figure 3B
Groundwater Concentration and Inferred PSH Extent Map (05/25/10)
NMOCD Ref # AP-0013
Plains Marketing, L.P.
TNM 97-18
Lea County, NM

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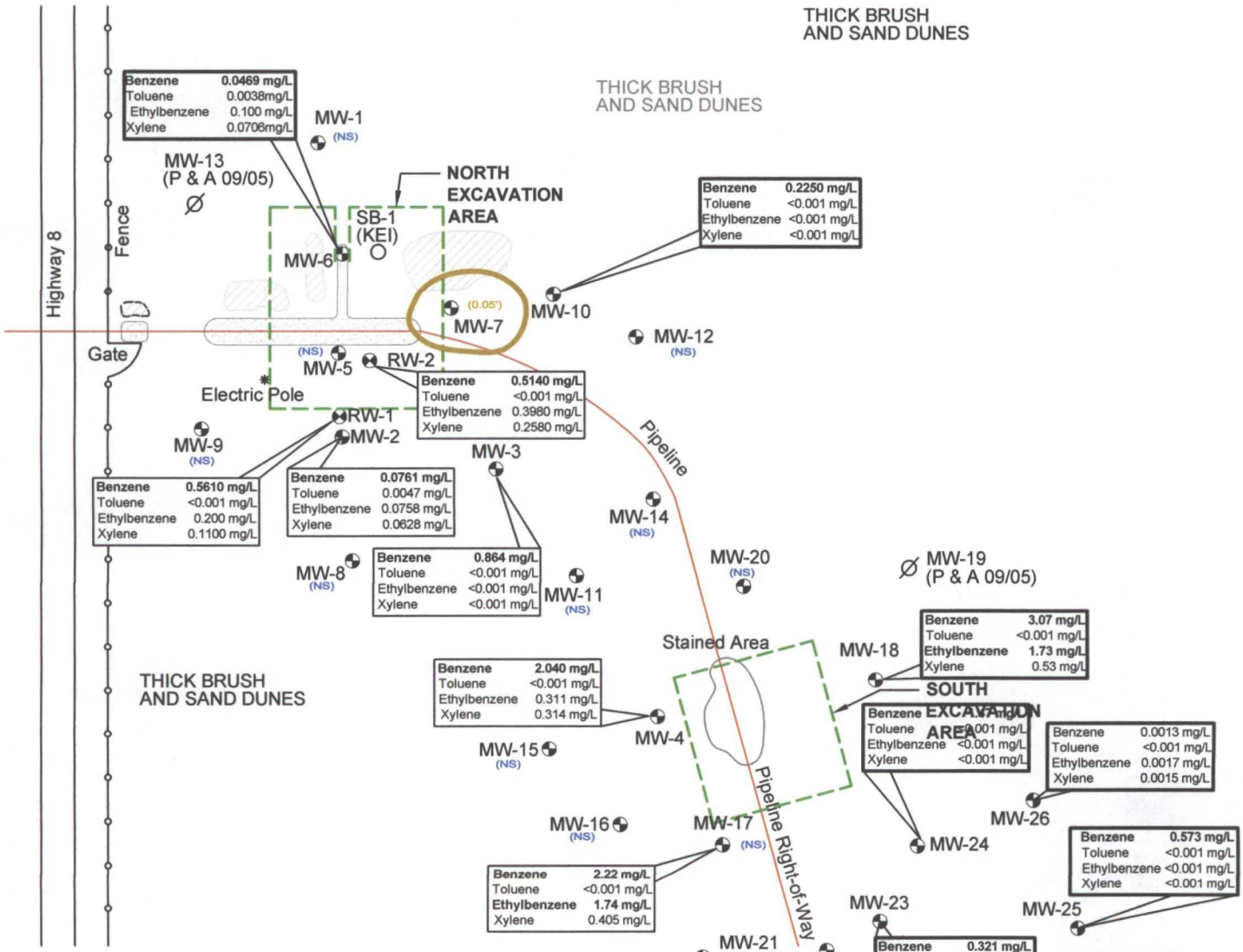
Scale: 1" = 100'	CAD By: DGC	Checked By: RKR
June 19, 2010	SW1/4, NE 1/4, Section 28, T20S, R37E	



NOTE:

- **BOLD** Indicates Concentration Above NMOCD Regulatory Standard
- MW-13, MW-19 and MW-29 Were Plugged and Abandoned September 2005 Per NMOCD Approval

Legend:

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

Figure 3C
Groundwater Concentration and Inferred PSH Extent
Map (08/13/10)
NMOCD Ref # AP-0013
Plains Marketing, L.P.
TNM 97-18
Lea County, NM

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Scale: 1" = 100'	CAD By: DGC	Checked By: RKR
June 19, 2010	SW1/4, NE 1/4, Section 28, T20S, R37E	

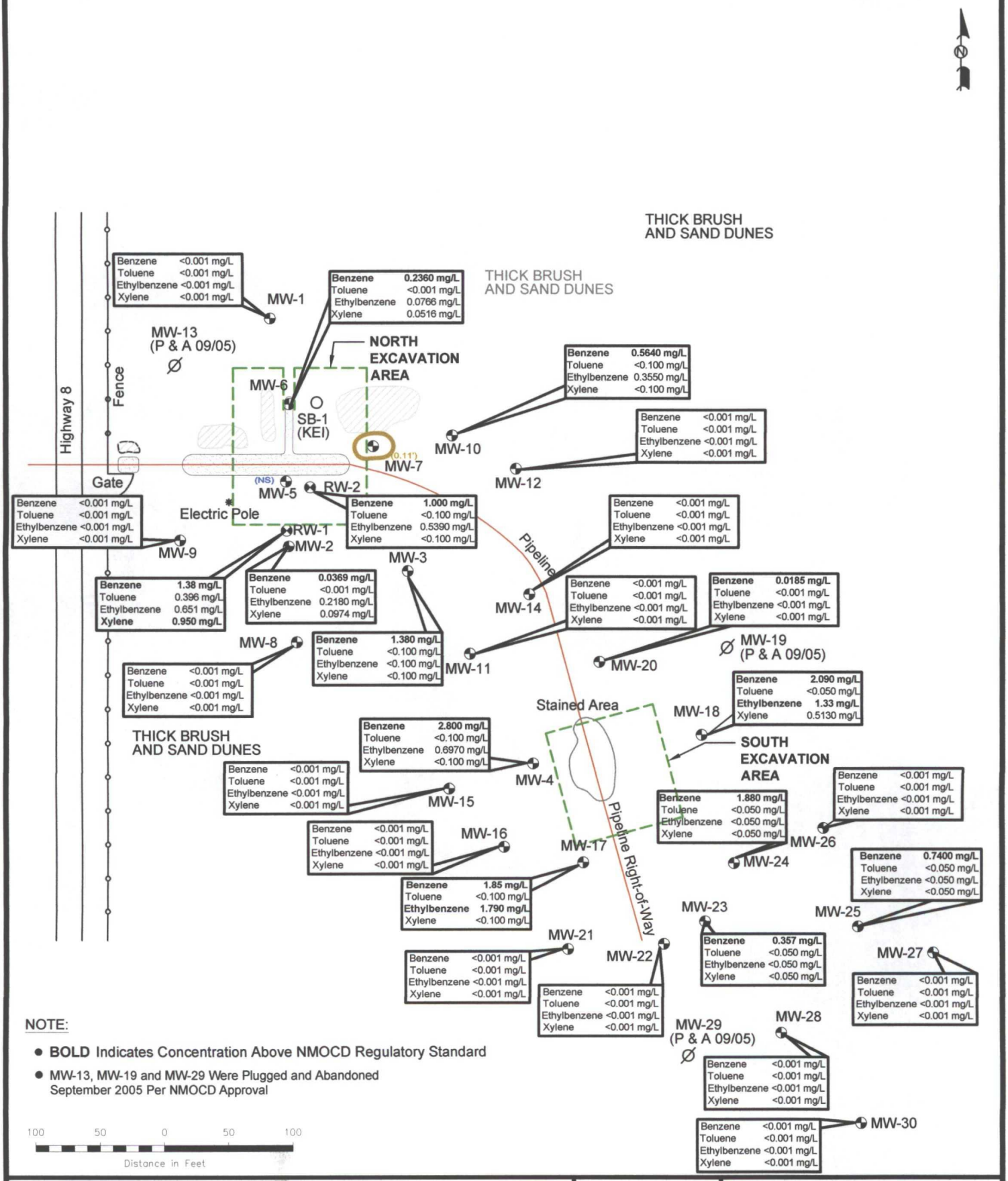

Figure 3D
Groundwater Concentration and Inferred PSH Extent Map (11/17/10)
NMOCD Ref # AP-0013
Plains Marketing, L.P.
TNM 97-18
Lea County, NM

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Scale: 1" = 100'	CAD By: DGC	Checked By: RKR
December 29, 2010	SW1/4, NE 1/4, Section 28, T20S, R37E	

Tables

TABLE 1

2009 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-0013

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	01/05/10	3500.17	-	26.63	0.00	3473.54
MW - 1	*02/10/10*	3500.17	-	26.69	0.00	3473.48
MW - 1	*05/25/10*	3500.17	-	26.58	0.00	3473.59
MW - 1	*08/13/10*	3500.17	-	26.57	0.00	3473.60
MW - 1	*11/17/10*	3500.17	-	26.60	0.00	3473.57
MW - 2	01/05/10	3499.19	-	26.41	0.00	3472.78
MW - 2	01/20/10	3499.19	-	25.27	0.00	3473.92
MW - 2	01/25/10	3499.19	-	25.25	0.00	3473.94
MW - 2	01/27/10	3499.19	-	26.45	0.00	3472.74
MW - 2	*02/10/10*	3499.19	-	26.47	0.00	3472.72
MW - 2	03/01/10	3499.19	-	25.24	0.00	3473.95
MW - 2	03/09/10	3499.19	-	26.47	0.00	3472.72
MW - 2	03/11/10	3499.19	-	26.10	0.00	3473.09
MW - 2	*05/25/10*	3499.19	-	26.03	0.00	3473.16
MW - 2	06/07/10	3499.19	-	26.28	0.00	3472.91
MW - 2	06/12/10	3499.19	-	26.43	0.00	3472.76
MW - 2	06/25/10	3499.19	-	26.51	0.00	3472.68
MW - 2	07/07/10	3499.19	-	26.23	0.00	3472.96
MW - 2	07/12/10	3499.19	-	26.91	0.00	3472.28
MW - 2	08/03/10	3499.19	-	24.56	0.00	3474.63
MW - 2	*08/13/10*	3499.19	-	25.70	0.00	3473.49
MW - 2	08/19/10	3499.19	-	25.49	0.00	3473.70
MW - 2	08/25/10	3499.19	-	25.60	0.00	3473.59
MW - 2	09/01/10	3499.19	-	25.48	0.00	3473.71
MW - 2	09/09/10	3499.19	-	25.55	0.00	3473.64
MW - 2	09/13/10	3499.19	-	25.89	0.00	3473.30
MW - 2	09/29/10	3499.19	-	25.57	0.00	3473.62
MW - 2	10/05/10	3499.19	-	25.87	0.00	3473.32
MW - 2	10/25/10	3499.19	-	25.87	0.00	3473.32
MW - 2	11/03/10	3499.19	-	25.69	0.00	3473.50
MW - 2	11/10/10	3499.19	-	25.65	0.00	3473.54
MW - 2	*11/18/10*	3499.19	-	25.65	0.00	3473.54
MW - 2	12/09/10	3499.19	-	25.66	0.00	3473.53
MW - 3	01/05/10	3500.05	-	28.09	0.00	3471.96
MW - 3	01/20/10	3500.05	-	26.63	0.00	3473.42
MW - 3	01/25/10	3500.05	-	26.63	0.00	3473.42
MW - 3	01/27/10	3500.05	-	28.15	0.00	3471.90
MW - 3	*02/10/10*	3500.05	-	28.16	0.00	3471.89
MW - 3	03/01/10	3500.05	-	26.64	0.00	3473.41
MW - 3	03/09/10	3500.05	-	28.18	0.00	3471.87
MW - 3	03/11/10	3500.05	-	28.15	0.00	3471.90
MW - 3	*05/25/10*	3500.05	-	27.69	0.00	3472.36
MW - 3	06/07/10	3500.05	-	28.00	0.00	3472.05
MW - 3	06/12/10	3500.05	-	27.72	0.00	3472.33
MW - 3	06/25/10	3500.05	-	28.18	0.00	3471.87
MW - 3	07/07/10	3500.05	-	27.75	0.00	3472.30
MW - 3	07/12/10	3500.05	-	27.96	0.00	3472.09
MW - 3	08/03/10	3500.05	-	27.14	0.00	3472.91
MW - 3	*08/13/10*	3500.05	-	27.15	0.00	3472.90
MW - 3	08/19/10	3500.05	-	27.16	0.00	3472.89
MW - 3	08/25/10	3500.05	-	27.21	0.00	3472.84
MW - 3	09/01/10	3500.05	-	27.15	0.00	3472.90
MW - 3	09/09/10	3500.05	-	27.21	0.00	3472.84
MW - 3	09/13/10	3500.05	-	27.17	0.00	3472.88
MW - 3	09/29/10	3500.05	-	27.20	0.00	3472.85
MW - 3	10/05/10	3500.05	-	27.19	0.00	3472.86
MW - 3	10/25/10	3500.05	-	27.17	0.00	3472.88
MW - 3	11/03/10	3500.05	-	27.18	0.00	3472.87
MW - 3	11/10/10	3500.05	-	26.31	0.00	3473.74
MW - 3	*11/18/10*	3500.05	-	26.31	0.00	3473.74
MW - 3	12/09/10	3500.05	-	27.17	0.00	3472.88
MW - 4	01/05/10	3498.38	-	27.76	0.00	3470.62
MW - 4	01/20/10	3498.38	-	27.26	0.00	3471.12
MW - 4	01/25/10	3498.38	-	27.24	0.00	3471.14
MW - 4	01/27/10	3498.38	-	27.80	0.00	3470.58
MW - 4	*02/10/10*	3498.38	-	27.81	0.00	3470.57
MW - 4	03/01/10	3498.38	-	27.24	0.00	3471.14

TABLE 1

2009 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-0013

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	03/09/10	3498.38	-	27.82	0.00	3470.56
MW - 4	03/11/10	3498.38	-	27.81	0.00	3470.57
MW - 4	*05/25/10*	3498.38	-	27.44	0.00	3470.94
MW - 4	06/07/10	3498.38	-	27.64	0.00	3470.74
MW - 4	06/12/10	3498.38	-	27.75	0.00	3470.63
MW - 4	06/25/10	3498.38	-	27.82	0.00	3470.56
MW - 4	07/07/10	3498.38	-	26.60	0.00	3471.78
MW - 4	07/12/10	3498.38	-	26.24	0.00	3472.14
MW - 4	08/03/10	3498.38	-	26.55	0.00	3471.83
MW - 4	*08/13/10*	3498.38	-	26.70	0.00	3471.68
MW - 4	08/19/10	3498.38	-	26.65	0.00	3471.73
MW - 4	08/25/10	3498.38	-	26.86	0.00	3471.52
MW - 4	09/01/10	3498.38	-	26.80	0.00	3471.58
MW - 4	09/09/10	3498.38	-	26.76	0.00	3471.62
MW - 4	09/13/10	3498.38	-	26.71	0.00	3471.67
MW - 4	09/29/10	3498.38	-	26.87	0.00	3471.51
MW - 4	10/05/10	3498.38	-	26.71	0.00	3471.67
MW - 4	10/25/10	3498.38	-	26.73	0.00	3471.65
MW - 4	11/03/10	3498.38	-	26.72	0.00	3471.66
MW - 4	11/10/10	3498.38	-	27.05	0.00	3471.33
MW - 4	*11/18/10*	3498.38	-	27.05	0.00	3471.33
MW - 4	12/09/10	3498.38	-	26.73	0.00	3471.65
MW - 5	01/05/10	3500.12	-	27.13	0.00	3472.99
MW - 5	01/20/10	3500.12	-	29.86	0.00	3470.26
MW - 5	01/25/10	3500.12	-	29.84	0.00	3470.28
MW - 5	01/27/10	3500.12	-	27.10	0.00	3473.02
MW - 5	*02/10/10*	3500.12	-	27.10	0.00	3473.02
MW - 5	03/01/10	3500.12	-	29.81	0.00	3470.31
MW - 5	03/09/10	3500.12	-	27.13	0.00	3472.99
MW - 5	03/11/10	3500.12	-	27.09	0.00	3473.03
MW - 5	*05/25/10*	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	06/07/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	06/25/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	07/07/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	07/12/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	08/03/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	*08/13/10*	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	08/19/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	08/25/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	09/01/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	09/09/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	09/13/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	09/29/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	10/05/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	10/25/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	11/03/10	3500.12	Well Dry, Insufficient Water Volume			
MW - 5	11/10/10	3500.12	-	25.77	0.00	3474.35
MW - 5	*11/18/10*	3500.12	-	25.77	0.00	3474.35
MW - 5	12/09/10	3500.12	-	26.70	0.00	3473.42
MW - 6	01/05/10	3499.82	-	26.59	0.00	3473.23
MW - 6	01/20/10	3499.82	-	25.39	0.00	3474.43
MW - 6	01/25/10	3499.82	-	25.40	0.00	3474.42
MW - 6	01/27/10	3499.82	-	26.61	0.00	3473.21
MW - 6	*02/10/10*	3499.82	-	26.62	0.00	3473.20
MW - 6	03/01/10	3499.82	-	25.41	0.00	3474.41
MW - 6	03/09/10	3499.82	-	26.63	0.00	3473.19
MW - 6	03/11/10	3499.82	-	26.63	0.00	3473.19
MW - 6	*05/25/10*	3499.82	-	26.22	0.00	3473.60
MW - 6	06/07/10	3499.82	-	26.43	0.00	3473.39
MW - 6	06/12/10	3499.82	-	26.54	0.00	3473.28
MW - 6	06/25/10	3499.82	-	26.63	0.00	3473.19
MW - 6	07/07/10	3499.82	-	26.32	0.00	3473.50
MW - 6	07/12/10	3499.82	-	25.95	0.00	3473.87
MW - 6	08/03/10	3499.82	-	25.66	0.00	3474.16
MW - 6	*08/13/10*	3499.82	-	26.41	0.00	3473.41
MW - 6	08/19/10	3499.82	-	25.61	0.00	3474.21
MW - 6	08/25/10	3499.82	-	25.65	0.00	3474.17
MW - 6	09/01/10	3499.82	-	25.57	0.00	3474.25

TABLE 1

2009 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-0013

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	09/09/10	3499.82	-	25.64	0.00	3474.18
MW - 6	09/13/10	3499.82	-	26.42	0.00	3473.40
MW - 6	09/26/10	3499.82	-	25.63	0.00	3474.19
MW - 6	10/05/10	3499.82	-	26.42	0.00	3473.40
MW - 6	10/25/10	3499.82	-	26.40	0.00	3473.42
MW - 6	11/03/10	3499.82	-	26.45	0.00	3473.37
MW - 6	11/10/10	3499.82	-	25.78	0.00	3474.04
MW - 6	*11/17/10*	3499.82	-	26.56	0.00	3473.26
MW - 6	12/09/10	3499.82	-	26.31	0.00	3473.51
MW - 7	01/05/10	3498.33	-	25.70	0.00	3472.63
MW - 7	01/20/10	3498.33	-	24.37	0.00	3473.96
MW - 7	01/25/10	3498.33	-	24.68	0.00	3473.65
MW - 7	01/27/10	3498.33	-	25.67	0.00	3472.66
MW - 7	*02/10/10*	3498.33	-	25.78	0.00	3472.55
MW - 7	03/01/10	3498.33	-	24.39	0.00	3473.94
MW - 7	03/09/10	3498.33	-	25.70	0.00	3472.63
MW - 7	03/11/10	3498.33	-	25.66	0.00	3472.67
MW - 7	*05/25/10*	3498.33	27.02	27.10	0.08	3471.30
MW - 7	06/07/10	3498.33	-	27.50	0.00	3470.83
MW - 7	06/12/10	3498.33	-	27.42	0.00	3470.91
MW - 7	06/25/10	3498.33	-	27.53	0.00	3470.80
MW - 7	07/07/10	3498.33	-	27.26	0.00	3471.07
MW - 7	07/12/10	3498.33	-	26.64	0.00	3471.69
MW - 7	08/03/10	3498.33	26.44	26.45	0.01	3471.89
MW - 7	*08/13/10*	3498.33	26.39	26.45	0.06	3471.93
MW - 7	08/19/10	3498.33	26.34	26.39	0.05	3471.98
MW - 7	08/25/10	3498.33	26.51	26.55	0.04	3471.81
MW - 7	09/01/10	3498.33	26.35	26.41	0.06	3471.97
MW - 7	09/09/10	3498.33	26.41	26.46	0.05	3471.91
MW - 7	09/13/10	3498.33	26.41	26.44	0.03	3471.92
MW - 7	09/29/10	3498.33	26.37	26.42	0.05	3471.95
MW - 7	10/05/10	3498.33	26.43	26.45	0.02	3471.90
MW - 7	10/25/10	3498.33	26.44	26.46	0.02	3471.89
MW - 7	11/03/10	3498.33	26.34	26.42	0.08	3471.98
MW - 7	11/10/10	3498.33	26.54	26.65	0.11	3471.77
MW - 7	*11/17/10*	3498.33	26.54	26.65	0.11	3471.77
MW - 7	12/09/10	3498.33	26.35	26.41	0.06	3471.97
MW - 8	01/05/10	3502.23	-	29.92	0.00	3472.31
MW - 8	*02/10/10*	3502.23	-	29.91	0.00	3472.32
MW - 8	*05/25/10*	3502.23	-	29.81	0.00	3472.42
MW - 8	*08/13/10*	3502.23	-	29.81	0.00	3472.42
MW - 8	*11/17/10*	3502.23	-	29.93	0.00	3472.30
MW - 9	*02/10/10*	3502.24	-	28.94	0.00	3473.30
MW - 9	*05/25/10*	3502.24	-	28.91	0.00	3473.33
MW - 9	*08/13/10*	3502.24	-	28.90	0.00	3473.34
MW - 9	*11/17/10*	3502.24	-	28.94	0.00	3473.30
MW - 10	01/05/10	3499.42	-	27.42	0.00	3472.00
MW - 10	01/20/10	3499.42	-	26.36	0.00	3473.06
MW - 10	01/25/10	3499.42	-	26.35	0.00	3473.07
MW - 10	01/27/10	3499.42	-	27.41	0.00	3472.01
MW - 10	*02/10/10*	3499.42	-	27.45	0.00	3471.97
MW - 10	03/01/10	3499.42	-	26.34	0.00	3473.08
MW - 10	03/09/10	3499.42	-	26.41	0.00	3473.01
MW - 10	03/11/10	3499.42	-	27.43	0.00	3471.99
MW - 10	*05/25/10*	3499.42	-	26.82	0.00	3472.60
MW - 10	06/07/10	3499.42	-	27.26	0.00	3472.16
MW - 10	06/12/10	3499.42	-	27.32	0.00	3472.10
MW - 10	06/25/10	3499.42	-	27.32	0.00	3472.10
MW - 10	07/07/10	3499.42	-	27.08	0.00	3472.34
MW - 10	07/12/10	3499.42	-	25.59	0.00	3473.83
MW - 10	08/03/10	3499.42	-	26.32	0.00	3473.10
MW - 10	*08/13/10*	3499.42	-	26.31	0.00	3473.11
MW - 10	08/19/10	3499.42	-	26.26	0.00	3473.16
MW - 10	08/25/10	3499.42	-	26.31	0.00	3473.11
MW - 10	09/01/10	3499.42	-	26.24	0.00	3473.18
MW - 10	09/09/10	3499.42	-	26.23	0.00	3473.19

TABLE 1

2009 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-0013

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	09/13/10	3499.42	-	26.31	0.00	3473.11
MW - 10	09/29/10	3499.42	-	26.28	0.00	3473.14
MW - 10	10/05/10	3499.42	-	26.32	0.00	3473.10
MW - 10	10/25/10	3499.42	-	26.34	0.00	3473.08
MW - 10	11/03/10	3499.42	-	26.30	0.00	3473.12
MW - 10	11/10/10	3499.42	-	26.53	0.00	3472.89
MW - 10	*11/18/10*	3499.42	-	26.53	0.00	3472.89
MW - 10	12/09/10	3499.42	-	26.36	0.00	3473.06
MW - 11	01/05/10	3498.18	-	26.65	0.00	3471.53
MW - 11	*02/10/10*	3498.18	-	26.78	0.00	3471.40
MW - 11	*05/25/10*	3498.18	-	26.74	0.00	3471.44
MW - 11	*08/13/10*	3498.18	-	26.73	0.00	3471.45
MW - 11	*11/17/10*	3498.18	-	26.79	0.00	3471.39
MW - 12	01/05/10	3499.66	-	27.84	0.00	3471.82
MW - 12	*02/10/10*	3499.66	-	28.00	0.00	3471.66
MW - 12	*05/25/10*	3499.66	-	27.96	0.00	3471.70
MW - 12	*08/13/10*	3499.66	-	27.76	0.00	3471.90
MW - 12	*11/17/10*	3499.66	-	28.01	0.00	3471.65
MW - 14	*02/10/10*	3498.54	-	27.31	0.00	3471.23
MW - 14	*05/25/10*	3498.54	-	27.28	0.00	3471.26
MW - 14	*08/13/10*	3498.54	-	27.28	0.00	3471.26
MW - 14	*11/17/10*	3498.54	-	27.28	0.00	3471.26
MW - 15	01/05/10	3500.65	-	29.41	0.00	3471.24
MW - 15	*02/10/10*	3500.65	-	29.58	0.00	3471.07
MW - 15	*05/25/10*	3500.65	-	29.53	0.00	3471.12
MW - 15	*08/13/10*	3500.65	-	29.52	0.00	3471.13
MW - 15	*11/17/10*	3500.65	-	29.59	0.00	3471.06
MW - 16	01/05/10	3501.45	-	30.86	0.00	3470.59
MW - 16	*02/10/10*	3501.45	-	30.96	0.00	3470.49
MW - 16	*05/25/10*	3501.45	-	30.92	0.00	3470.53
MW - 16	*08/13/10*	3501.45	-	30.93	0.00	3470.52
MW - 16	*11/17/10*	3501.45	-	30.92	0.00	3470.53
MW - 17	01/05/10	3498.32	-	28.55	0.00	3469.77
MW - 17	01/20/10	3498.32	-	28.12	0.00	3470.20
MW - 17	01/25/10	3498.32	-	28.13	0.00	3470.19
MW - 17	*02/10/10*	3498.32	-	28.60	0.00	3469.72
MW - 17	03/01/10	3498.32		28.15	0.00	3470.17
MW - 17	*05/25/10*	3498.32	-	28.47	0.00	3469.85
MW - 17	06/07/10	3498.32	-	28.46	0.00	3469.86
MW - 17	06/12/10	3498.32	-	28.56	0.00	3469.76
MW - 17	06/25/10	3498.32	-	28.93	0.00	3469.39
MW - 17	07/07/10	3498.32	-	28.26	0.00	3470.06
MW - 17	07/12/10	3498.32	-	27.78	0.00	3470.54
MW - 17	08/03/10	3498.32	-	27.61	0.00	3470.71
MW - 17	*08/13/10*	3498.32	-	27.60	0.00	3470.72
MW - 17	08/19/10	3498.32	-	27.66	0.00	3470.66
MW - 17	08/25/10	3498.32	-	27.77	0.00	3470.55
MW - 17	09/01/10	3498.32	-	27.67	0.00	3470.65
MW - 17	09/09/10	3498.32	-	27.73	0.00	3470.59
MW - 17	09/29/10	3498.32	-	27.73	0.00	3470.59
MW - 17	11/03/10	3498.32	-	27.57	0.00	3470.75
MW - 17	11/10/10	3498.32	-	28.91	0.00	3469.41
MW - 17	*11/18/10*	3498.32	-	28.52	0.00	3469.80
MW - 17	12/09/10	3498.32	-	27.64	0.00	3470.68
MW - 18	01/05/10	3497.25	-	27.71	0.00	3469.54
MW - 18	01/20/10	3497.25	-	27.30	0.00	3469.95
MW - 18	01/25/10	3497.25	-	27.30	0.00	3469.95
MW - 18	*02/10/10*	3497.25	-	27.78	0.00	3469.47
MW - 18	03/01/10	3497.25		27.30	0.00	3469.95
MW - 18	*05/25/10*	3497.25	-	27.61	0.00	3469.64
MW - 18	06/07/10	3497.25	-	27.62	0.00	3469.63
MW - 18	06/12/10	3497.25	-	27.68	0.00	3469.57
MW - 18	06/25/10	3497.25	-	27.88	0.00	3469.37
MW - 18	07/07/10	3497.25	-	26.74	0.00	3470.51

TABLE 1

2009 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-0013

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 18	07/12/10	3597.25	-	26.32	0.00	3570.93
MW - 18	08/03/10	3597.25	-	26.58	0.00	3570.67
MW - 18	*08/13/10*	3597.25	-	26.63	0.00	3570.62
MW - 18	08/19/10	3597.25	-	26.70	0.00	3570.55
MW - 18	08/25/10	3597.25	-	26.82	0.00	3570.43
MW - 18	09/01/10	3597.25	-	28.87	0.00	3568.38
MW - 18	09/09/10	3597.25	-	26.83	0.00	3570.42
MW - 18	09/29/10	3597.25	-	26.81	0.00	3570.44
MW - 18	11/03/10	3597.25	-	26.60	0.00	3570.65
MW - 18	*11/10/10*	3597.25	-	27.00	0.00	3570.25
MW - 18	*11/17/10*	3597.25	-	27.76	0.00	3569.49
MW - 18	12/09/10	3597.25	-	26.68	0.00	3570.57
MW - 20	01/05/10	3496.59	-	25.93	0.00	3470.66
MW - 20	*02/10/10*	3496.59	-	25.97	0.00	3470.62
MW - 20	*05/25/10*	3496.59	-	25.91	0.00	3470.68
MW - 20	*08/13/10*	3496.59	-	25.91	0.00	3470.68
MW - 20	*11/17/10*	3496.59	-	25.96	0.00	3470.63
MW - 21	01/05/10	3503.03	-	34.01	0.00	3469.02
MW - 21	*02/10/10*	3503.03	-	33.55	0.00	3469.48
MW - 21	*05/25/10*	3503.03	-	33.49	0.00	3469.54
MW - 21	*08/13/10*	3503.03	-	33.48	0.00	3469.55
MW - 21	*11/17/10*	3503.03	-	33.50	0.00	3469.53
MW - 22	01/05/10	3500.05	-	30.72	0.00	3469.33
MW - 22	*02/10/10*	3500.05	-	30.94	0.00	3469.11
MW - 22	*05/25/10*	3500.05	-	30.86	0.00	3469.19
MW - 22	*08/13/10*	3500.05	-	30.88	0.00	3469.17
MW - 22	*11/17/10*	3500.05	-	30.93	0.00	3469.12
MW -23	01/05/10	3498.88	-	29.79	0.00	3469.09
MW -23	01/20/10	3498.88	-	29.31	0.00	3469.57
MW -23	01/25/10	3498.88	-	29.33	0.00	3469.55
MW -23	*02/10/10*	3498.88	-	29.81	0.00	3469.07
MW -23	03/01/10	3498.88	-	29.36	0.00	3469.52
MW -23	*05/25/10*	3498.88	-	29.59	0.00	3469.29
MW -23	06/25/10	3498.88	-	29.83	0.00	3469.05
MW -23	07/07/10	3498.88	-	29.61	0.00	3469.27
MW -23	07/12/10	3498.88	-	29.22	0.00	3469.66
MW -23	08/03/10	3498.88	-	28.97	0.00	3469.91
MW -23	*08/13/10*	3498.88	-	28.93	0.00	3469.95
MW -23	08/19/10	3498.88	-	28.95	0.00	3469.93
MW -23	08/25/10	3498.88	-	29.02	0.00	3469.86
MW -23	09/01/10	3498.88	-	28.95	0.00	3469.93
MW -23	09/09/10	3498.88	-	29.00	0.00	3469.88
MW -23	09/29/10	3498.88	-	28.99	0.00	3469.89
MW -23	11/03/10	3498.88	-	28.91	0.00	3469.97
MW -23	11/10/10	3498.88	-	29.16	0.00	3469.72
MW -23	*11/18/10*	3498.88	-	29.80	0.00	3469.08
MW -23	12/09/10	3498.88	-	28.96	0.00	3469.92
MW - 24	01/05/10	3498.79		29.66	0.00	3469.13
MW - 24	01/20/10	3498.79	-	29.22	0.00	3469.57
MW - 24	01/25/10	3498.79	-	29.24	0.00	3469.55
MW - 24	*02/10/10*	3498.79	-	29.67	0.00	3469.12
MW - 24	03/01/10	3498.79		29.27	0.00	3469.52
MW - 24	*05/25/10*	3498.79	-	29.28	0.00	3469.51
MW - 24	06/07/10	3498.79	-	29.50	0.00	3469.29
MW - 24	*06/12/10*	3498.79	-	29.62	0.00	3469.17
MW - 24	06/25/10	3498.79	-	29.57	0.00	3469.22
MW - 24	07/07/10	3498.79	-	29.42	0.00	3469.37
MW - 24	07/12/10	3498.79	-	29.02	0.00	3469.77
MW - 24	08/03/10	3498.79	-	28.84	0.00	3469.95
MW - 24	*08/13/10*	3498.79	-	28.79	0.00	3470.00
MW - 24	08/19/10	3498.79	-	28.82	0.00	3469.97
MW - 24	08/25/10	3498.79	-	28.87	0.00	3469.92
MW - 24	09/01/10	3498.79	-	28.81	0.00	3469.98
MW - 24	09/09/10	3498.79	-	28.86	0.00	3469.93
MW - 24	09/29/10	3498.79	-	28.90	0.00	3469.89

TABLE 1

2009 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-0013

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 24	11/03/10	3498.79	-	28.82	0.00	3469.97
MW - 24	11/10/10	3498.79	-	28.99	0.00	3469.80
MW - 24	*11/18/10*	3498.79	-	29.66	0.00	3469.13
MW - 24	12/09/10	3498.79	-	28.73	0.00	3470.06
MW - 25	01/05/10	3498.08	-	29.63	0.00	3468.45
MW - 25	01/20/10	3498.08	-	29.12	0.00	3468.96
MW - 25	01/25/10	3498.08	-	29.12	0.00	3468.96
MW - 25	*02/10/10*	3498.08	-	29.61	0.00	3468.47
MW - 25	03/01/10	3498.08	-	29.10	0.00	3468.98
MW - 25	*05/25/10*	3498.08	-	29.53	0.00	3468.55
MW - 25	06/07/10	3498.08	-	29.41	0.00	3468.67
MW - 25	06/12/10	3498.08	-	29.45	0.00	3468.63
MW - 25	06/25/10	3498.08	-	29.51	0.00	3468.57
MW - 25	07/07/10	3498.08	-	29.49	0.00	3468.59
MW - 25	07/12/10	3498.08	-	29.11	0.00	3468.97
MW - 25	08/03/10	3498.08	-	28.88	0.00	3469.20
MW - 25	*08/13/10*	3498.08	-	28.82	0.00	3469.26
MW - 25	08/19/10	3498.08	-	28.82	0.00	3469.26
MW - 25	08/25/10	3498.08	-	28.87	0.00	3469.21
MW - 25	09/01/10	3498.08	-	28.81	0.00	3469.27
MW - 25	09/09/10	3498.08	-	28.86	0.00	3469.22
MW - 25	09/29/10	3498.08	-	28.90	0.00	3469.18
MW - 25	11/03/10	3498.08	-	28.78	0.00	3469.30
MW - 25	11/10/10	3498.08	-	28.99	0.00	3469.09
MW - 25	*11/18/10*	3498.08	-	29.58	0.00	3468.50
MW - 25	12/09/10	3498.08	-	28.76	0.00	3469.32
MW - 26	01/05/10	3499.18		30.18	0.00	3469.00
MW - 26	01/20/10	3499.18	-	29.70	0.00	3469.48
MW - 26	01/25/10	3499.18	-	29.69	0.00	3469.49
MW - 26	*02/10/10*	3499.18		30.27	0.00	3468.91
MW - 26	03/01/10	3499.18		29.67	0.00	3469.51
MW - 26	*05/25/10*	3499.18		30.19	0.00	3468.99
MW - 26	06/07/10	3499.18	-	30.06	0.00	3469.12
MW - 26	06/12/10	3499.18	-	30.11	0.00	3469.07
MW - 26	06/25/10	3499.18	-	30.15	0.00	3469.03
MW - 26	07/07/10	3499.18	-	30.02	0.00	3469.16
MW - 26	07/12/10	3499.18	-	29.66	0.00	3469.52
MW - 26	08/03/10	3499.18	-	29.47	0.00	3469.71
MW - 26	*08/13/10*	3499.18	-	29.44	0.00	3469.74
MW - 26	08/19/10	3499.18	-	29.44	0.00	3469.74
MW - 26	08/25/10	3499.18	-	29.50	0.00	3469.68
MW - 26	09/01/10	3499.18	-	29.43	0.00	3469.75
MW - 26	09/09/10	3499.18	-	29.49	0.00	3469.69
MW - 26	09/29/10	3499.18	-	29.49	0.00	3469.69
MW - 26	11/03/10	3499.18	-	29.41	0.00	3469.77
MW - 26	11/10/10	3499.18	-	29.64	0.00	3469.54
MW - 26	*11/18/10*	3499.18	-	30.25	0.00	3468.93
MW - 26	12/09/10	3499.18	-	29.44	0.00	3469.74
MW - 27	01/05/10	3498.03	-	29.98	0.00	3468.05
MW - 27	*02/10/10*	3498.03	-	30.07	0.00	3467.96
MW - 27	*05/25/10*	3498.03	-	30.01	0.00	3468.02
MW - 27	*08/13/10*	3498.03	-	30.02	0.00	3468.01
MW - 27	*11/17/10*	3498.03	-	30.02	0.00	3468.01
MW - 28	01/05/10	3498.69	-	30.20	0.00	3468.49
MW - 28	*02/10/10*	3498.69	-	30.33	0.00	3468.36
MW - 28	*05/25/10*	3498.69	-	30.27	0.00	3468.42
MW - 28	*08/13/10*	3498.69	-	30.27	0.00	3468.42
MW - 28	*11/17/10*	3498.69	-	30.30	0.00	3468.39
MW - 30	01/05/10	3498.65	-	30.61	0.00	3468.04
MW - 30	*02/10/10*	3498.65	-	30.72	0.00	3467.93
MW - 30	*05/25/10*	3498.65	-	30.52	0.00	3468.13
MW - 30	*08/13/10*	3498.65	-	30.50	0.00	3468.15
MW - 30	*11/17/10*	3498.65	-	30.72	0.00	3467.93

TABLE 1

2009 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-0013

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	01/05/10	3498.89	-	26.08	0.00	3472.81
RW - 1	01/20/10	3498.89	-	24.88	0.00	3474.01
RW - 1	01/25/10	3498.89	-	24.87	0.00	3474.02
RW - 1	01/27/10	3498.89	-	26.15	0.00	3472.74
RW - 1	*02/10/10*	3498.89	-	26.15	0.00	3472.74
RW - 1	03/01/10	3498.89	-	24.86	0.00	3474.03
RW - 1	03/09/10	3498.89	-	26.11	0.00	3472.78
RW - 1	03/11/10	3498.89	-	26.17	0.00	3472.72
RW - 1	*05/25/10*	3498.89	-	25.63	0.00	3473.26
RW - 1	06/07/10	3498.89	-	25.96	0.00	3472.93
RW - 1	06/12/10	3498.89	-	26.05	0.00	3472.84
RW - 1	06/25/10	3498.89	-	26.16	0.00	3472.73
RW - 1	07/07/10	3498.89	-	25.90	0.00	3472.99
RW - 1	07/12/10	3498.89	-	25.51	0.00	3473.38
RW - 1	08/03/10	3498.89	-	25.20	0.00	3473.69
RW - 1	*08/13/10*	3498.89	-	25.16	0.00	3473.73
RW - 1	08/19/10	3498.89	-	25.15	0.00	3473.74
RW - 1	08/25/10	3498.89	-	25.20	0.00	3473.69
RW - 1	*09/01/10*	3498.89	-	25.77	0.00	3473.12
RW - 1	09/09/10	3498.89	-	25.17	0.00	3473.72
RW - 1	09/13/10	3498.89	-	25.15	0.00	3473.74
RW - 1	09/29/10	3498.89	-	25.21	0.00	3473.68
RW - 1	10/05/10	3498.89	-	25.16	0.00	3473.73
RW - 1	10/25/10	3498.89	-	25.15	0.00	3473.74
RW - 1	11/03/10	3498.89	-	25.17	0.00	3473.72
RW - 1	11/10/10	3498.89	-	25.26	0.00	3473.63
RW - 1	*11/18/10*	3498.89	-	25.26	0.00	3473.63
RW - 1	12/09/10	3498.89	-	25.10	0.00	3473.79
RW - 2	01/05/10	3498.99	-	26.07	0.00	3472.92
RW - 2	01/20/10	3498.99	-	24.83	0.00	3474.16
RW - 2	01/25/10	3498.99	-	24.81	0.00	3474.18
RW - 2	01/27/10	3498.99	-	26.10	0.00	3472.89
RW - 2	*02/10/10*	3498.99	-	26.08	0.00	3472.91
RW - 2	03/01/10	3498.99	-	24.80	0.00	3474.19
RW - 2	03/09/10	3498.99	-	26.06	0.00	3472.93
RW - 2	03/11/10	3498.99	-	26.13	0.00	3472.86
RW - 2	*05/25/10*	3498.99	-	26.51	0.00	3472.48
RW - 2	06/07/10	3498.99	-	26.63	0.00	3472.36
RW - 2	06/12/10	3498.99	-	26.73	0.00	3472.26
RW - 2	06/25/10	3498.99	-	26.86	0.00	3472.13
RW - 2	07/07/10	3498.99	-	26.60	0.00	3472.39
RW - 2	07/12/10	3498.99	-	26.20	0.00	3472.79
RW - 2	08/03/10	3498.99	-	25.95	0.00	3473.04
RW - 2	*08/13/10*	3498.99	-	25.90	0.00	3473.09
RW - 2	08/19/10	3498.99	-	25.87	0.00	3473.12
RW - 2	08/25/10	3498.99	-	25.87	0.00	3473.12
RW - 2	09/01/10	3498.99	-	25.11	0.00	3473.88
RW - 2	09/09/10	3498.99	-	25.86	0.00	3473.13
RW - 2	09/13/10	3498.99	-	25.91	0.00	3473.08
RW - 2	09/29/10	3498.99	-	25.87	0.00	3473.12
RW - 2	10/05/10	3498.99	-	25.90	0.00	3473.09
RW - 2	10/25/10	3498.99	-	25.91	0.00	3473.08
RW - 2	11/03/10	3498.99	-	25.91	0.00	3473.08
RW - 2	11/10/10	3498.99	-	26.00	0.00	3472.99
RW - 2	*11/18/10*	3498.99	-	26.00	0.00	3472.99
RW - 2	12/09/10	3498.99	-	25.95	0.00	3473.04

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

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER - 2010

PLAINS MARKETING, L.P.
TNM 97-18
LEA COUNTY, NM
NMOCD REFERENCE NUMBER AP-0013

All concentrations are reported in mg/L

		SW 846-8012B, 5030				
SAMPLE LOCATION	**SAMPLE DATE**	**BENZENE**	**TOLUENE**	**ETHYL-BENZENE**	**m, p - XYLENES**	**o - XYLENE**
NMOCD REGULARY LIMIT		**0.010**	**0.750**	**0.750**	**0.620**	
MW - 1	02/10/10	Not Sampled on Current Sample Schedule				
MW - 1	05/25/10	Not Sampled on Current Sample Schedule				
MW - 1	08/12/10	Not Sampled on Current Sample Schedule				
MW - 1	11/17/10	<0.001	<0.001	<0.001	<0.001	
MW - 2	02/10/10	**0.1760**	<0.005	0.1460	0.0607	
MW - 2	05/25/10	**0.7690**	<0.005	0.2970	0.1200	
MW - 2	08/12/10	**0.0761**	0.0047	0.0758	0.0628	
MW - 2	11/17/10	**0.3690**	<0.001	0.2180	0.0974	
MW - 3	02/10/10	**1.3900**	<0.010	0.1870	0.1480	
MW - 3	05/25/10	**1.3400**	<0.010	0.1380	0.1270	
MW - 3	08/12/10	**0.8640**	<0.100	<0.100	<0.100	
MW - 3	11/17/10	**1.3800**	<0.100	<0.100	<0.100	
MW - 4	02/10/10	**1.2100**	<0.020	0.1570	0.2140	
MW - 4	05/25/10	**1.6800**	<0.020	0.1770	0.3150	
MW - 4	08/13/10	**2.0400**	<0.100	0.3110	0.3140	
MW - 4	11/17/10	**2.8000**	<0.100	0.6970	<0.100	
MW - 5	02/10/10	**0.9970**	<0.005	0.4380	0.2200	
MW - 5	05/25/10	Well Dry - Did Not Sample				
MW - 5	08/13/10	Well Dry - Did Not Sample				
MW - 5	11/17/10	Well Obstructed - Did Not Sample				
MW - 6	02/10/10	**0.2060**	<0.0100	0.1460	0.0833	
MW - 6	05/25/10	**1.2800**	**0.9420**	**1.3100**	**2.8700**	
MW - 6	08/12/10	**0.0469**	0.0038	0.1000	0.0706	
MW - 6	11/17/10	**0.2360**	<0.001	0.0766	0.0516	
MW - 7	02/10/10	**0.5410**	<0.005	0.0614	0.0955	
MW - 7	05/25/10	Not Sampled due to PSH in Well				
MW - 7	08/13/10	Not Sampled due to PSH in Well				
MW - 7	11/17/10	Not Sampled due to PSH in Well				
MW - 8	02/10/10	Not Sampled on Current Sample Schedule				
MW - 8	05/25/10	Not Sampled on Current Sample Schedule				
MW - 8	08/12/10	Not Sampled on Current Sample Schedule				
MW - 8	11/17/10	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER - 2010

PLAINS MARKETING, L.P.
TNM 97-18
LEA COUNTY, NM
NMOCD REFERENCE NUMBER AP-0013

All concentrations are reported in mg/L

		SW 846-8012B, 5030				
SAMPLE LOCATION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULARY LIMIT		0.010	0.750	0.750	0.620	
MW - 9	02/10/10	Not Sampled on Current Sample Schedule				
MW - 9	05/25/10	Not Sampled on Current Sample Schedule				
MW - 9	08/12/10	Not Sampled on Current Sample Schedule				
MW - 9	11/17/10	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/10/10	**0.2660**	<0.005	0.0114	0.0307	
MW - 10	05/25/10	**0.2480**	<0.005	<0.005	<0.005	
MW - 10	08/12/10	**0.2250**	<0.100	<0.100	<0.100	
MW - 10	11/17/10	**0.5640**	<0.100	0.3550	<0.100	
MW - 11	02/10/10	Not Sampled on Current Sample Schedule				
MW - 11	05/25/10	Not Sampled on Current Sample Schedule				
MW - 11	08/12/10	Not Sampled on Current Sample Schedule				
MW - 11	11/17/10	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/10/10	Not Sampled on Current Sample Schedule				
MW - 12	05/25/10	Not Sampled on Current Sample Schedule				
MW - 12	08/12/10	Not Sampled on Current Sample Schedule				
MW - 12	11/17/10	<0.001	<0.001	<0.001	<0.001	
MW - 14	02/10/10	Not Sampled on Current Sample Schedule				
MW - 14	05/25/10	Not Sampled on Current Sample Schedule				
MW - 14	08/12/10	Not Sampled on Current Sample Schedule				
MW - 14	11/17/10	<0.001	<0.001	<0.001	<0.001	
MW - 15	02/10/10	Not Sampled on Current Sample Schedule				
MW - 15	05/25/10	Not Sampled on Current Sample Schedule				
MW - 15	08/12/10	Not Sampled on Current Sample Schedule				
MW - 15	11/17/10	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/10/10	Not Sampled on Current Sample Schedule				
MW - 16	05/25/10	Not Sampled on Current Sample Schedule				
MW - 16	08/12/10	Not Sampled on Current Sample Schedule				
MW - 16	11/17/10	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/10/10	**2.0700**	<0.020	**1.5800**	0.3010	
MW - 17	05/25/10	**2.5200**	<0.020	**2.1900**	0.3220	
MW - 17	08/12/10	**2.2200**	<0.100	**1.7400**	0.4050	
MW - 17	11/17/10	**1.8500**	<0.100	**1.7900**	<0.100	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER - 2010

PLAINS MARKETING, L.P.
TNM 97-18
LEA COUNTY, NM
NMOCD REFERENCE NUMBER AP-0013

All concentrations are reported in mg/L

		SW 846-8012B, 5030				
SAMPLE LOCATION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULARY LIMIT		0.010	0.750	0.750	0.620	
MW - 18	02/10/10	**3.0600**	<0.020	**2.0200**	0.5560	
MW - 18	05/25/10	**2.7300**	<0.020	**1.4800**	0.2630	
MW - 18	08/12/10	**3.0700**	<0.050	**1.7300**	0.5300	
MW - 18	11/17/10	**2.0900**	<0.050	**1.3300**	0.5130	
MW - 20	02/10/10	Not Sampled on Current Sample Schedule				
MW - 20	05/25/10	Not Sampled on Current Sample Schedule				
MW - 20	08/12/10	Not Sampled on Current Sample Schedule				
MW - 20	11/17/10	**0.0185**	<0.001	<0.001	<0.001	
MW - 21	02/10/10	Not Sampled on Current Sample Schedule				
MW - 21	05/25/10	Not Sampled on Current Sample Schedule				
MW - 21	08/12/10	Not Sampled on Current Sample Schedule				
MW - 21	11/17/10	<0.001	<0.001	<0.001	<0.001	
MW - 22	02/10/10	Not Sampled on Current Sample Schedule				
MW - 22	05/25/10	Not Sampled on Current Sample Schedule				
MW - 22	08/12/10	Not Sampled on Current Sample Schedule				
MW - 22	11/17/10	<0.001	<0.001	<0.001	<0.001	
MW - 23	02/10/10	**0.6340**	<0.020	<0.020	<0.020	
MW - 23	05/25/10	**0.2730**	0.0850	0.0820	0.2550	
MW - 23	08/12/10	**0.3210**	<0.050	<0.050	<0.050	
MW - 23	11/17/10	**0.3570**	<0.050	<0.050	<0.050	
MW - 24	02/10/10	**0.9360**	<0.020	<0.020	0.0846	
MW - 24	05/25/10	**0.6930**	0.0335	<0.02	0.0991	
MW - 24	08/12/10	**1.4700**	<0.050	<0.050	<0.050	
MW - 24	11/17/10	**1.8800**	<0.050	<0.050	<0.050	
MW - 25	02/10/10	**0.5020**	<0.005	<0.005	<0.005	
MW - 25	05/25/10	**0.2480**	<0.005	<0.005	<0.005	
MW - 25	08/12/10	**0.5730**	<0.050	<0.050	<0.005	
MW - 25	11/17/10	**0.7400**	<0.050	<0.050	<0.050	
MW - 26	02/10/10	0.0026	<0.001	0.0053	<0.001	
MW - 26	05/25/10	0.0025	<0.001	<0.001	<0.001	
MW - 26	08/12/10	0.0013	<0.001	0.0017	0.0015	
MW - 26	11/17/10	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER - 2010

PLAINS MARKETING, L.P.
TNM 97-18
LEA COUNTY, NM
NMOCD REFERENCE NUMBER AP-0013

All concentrations are reported in mg/L

		SW 846-8012B, 5030				
SAMPLE LOCATION	**SAMPLE DATE**	**BENZENE**	**TOLUENE**	**ETHYL-BENZENE**	**m, p - XYLENES**	**o - XYLENE**
NMOCD REGULARY LIMIT		**0.010**	**0.750**	**0.750**	**0.620**	
MW - 27	02/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 27	05/25/10	<0.001	<0.001	<0.001	<0.001	
MW - 27	08/12/10	<0.001	<0.001	<0.001	0.0018	
MW - 27	11/17/10	<0.001	<0.001	<0.001	<0.001	
MW - 28	02/10/10	Not Sampled on Current Sample Schedule				
MW - 28	05/25/10	<0.001	<0.001	<0.001	<0.001	
MW - 28	08/12/10	Not Sampled on Current Sample Schedule				
MW - 28	11/17/10	<0.001	<0.001	<0.001	<0.001	
MW - 30	02/10/10	Not Sampled on Current Sample Schedule				
MW - 30	05/25/10	<0.001	<0.001	<0.001	<0.001	
MW - 30	08/12/10	Not Sampled on Current Sample Schedule				
MW - 30	11/17/10	<0.001	<0.001	<0.001	<0.001	
RW - 1	02/10/10	**1.3900**	0.2780	0.5440	0.2920	
RW - 1	05/25/10	**1.4500**	0.2650	0.5110	0.2720	
RW - 1	08/12/10	**0.5610**	<0.100	0.2000	0.1100	
RW - 1	11/17/10	**1.3800**	0.3960	0.6510	**0.9500**	
RW - 2	02/10/10	**0.9460**	<0.100	0.4560	0.2680	
RW - 2	05/25/10	**0.9600**	<0.100	0.3750	0.2200	
RW - 2	08/12/10	**0.5140**	<0.100	0.3980	0.2580	
RW - 2	11/17/10	**1.0000**	<0.100	0.5390	<0.100	

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

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-18
MONUMENT, NEW MEXICO
NMOCD REFERENCE NUMBER AP-0013

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	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.		—	—	—	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			—
MW-1	11/13/08	<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
	11/23/09	<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	<0.000184	<0.000184	<0.000184	<0.000184
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/13/08	<0.00917	<0.00917	0.0389	<0.00917	<0.00917	<0.00917	<0.00917	<0.00917	<0.00917	<0.00917	<0.00917	0.0256	<0.00917	0.0385	<0.00917	**0.0778**	**0.179**	**0.180**	0.028
	11/23/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.00451	<0.000922	0.00667	<0.000922	0.0133	**0.0304**	**0.0217**	0.00353
	11/18/10	<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	0.00419	<0.000184	0.00164	0.0065	0.00198	0.00219
MW-3	11/13/08	<0.000184	0.000464	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00202	<0.000184	0.00241	<0.000184	0.00606	0.0137	0.00483	0.00215
	11/23/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.00996	<0.000922	0.0108	<0.000922	0.0294	**0.0707**	**0.0332**	0.00908
	11/18/10	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000552	<0.000183	0.00091	<0.000183	0.00239	0.00485	0.000925	0.000708
MW-4	11/13/08	<0.00463	<0.00463	<0.00463	<0.00463	<0.00463	<0.00463	<0.00463	<0.00463	**0.00752**	<0.00463	<0.00463	<0.00463	<0.00463	0.0307	<0.00463	0.0292	**0.164**	**0.0532**	0.024
	11/23/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00166	<0.000184	0.00161	<0.000184	**0.0107**	**0.0229**	**0.00588**	0.00198
	11/18/10	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00174	<0.000184	0.0017	<0.000184	**0.0101**	**0.0162**	**0.00576**	0.00232
MW-5	11/13/08	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	0.00478	<0.00183	0.00528	<0.00183	**0.0309**	**0.0417**	**0.0354**	0.00485
	11/23/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00201	<0.000184	0.00176	<0.000184	0.0216	**0.0285**	**0.023**	0.00268
	11/18/10	Not Sampled due to well obstruction.																		
MW-6	11/13/08	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	0.00723	<0.00185	0.00814	<0.00185	0.0282	**0.0434**	**0.0336**	0.00709
	11/23/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.00759	<0.000922	0.0116	<0.000922	0.00817	**0.0327**	**0.00836**	0.00702
	11/18/10	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.00264	<0.000183	0.00342	<0.000183	<0.000183	0.00393	<0.000183	0.00253
MW-7	11/13/08	<0.00922	<0.00922	0.0744	<0.00922	<0.00922	<0.00922	<0.00922	<0.00922	**0.0189**	<0.00922	<0.00922	0.0648	<0.00922	0.0735	<0.00922	**0.058**	**0.267**	**0.236**	<0.00922
	11/23/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.0136	<0.000917	0.0184	<0.000917	**0.0245**	**0.102**	**0.0863**	0.0100
	11/18/10	Not Sampled due to the presence of PSH.																		
MW-8	11/13/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/23/09	<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	<0.000184	<0.000184	<0.000184	<0.000184
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-18
MONUMENT, NEW MEXICO
NMOCD REFERENCE NUMBER AP-0013

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	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.		—	—	—	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			—
MW-9	11/13/08	<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
	11/23/09	<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	<0.000184	<0.000184	<0.000184	<0.000184
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/13/08	<0.000184	<0.000184	0.0108	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.0096	<0.000184	0.0107	<0.000184	0.00225	0.0289	<0.000184	0.00764
	11/23/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.00664	<0.000922	0.00726	<0.000922	0.00304	0.0277	<0.000922	0.00522
	11/18/10	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.00245	<0.000186	0.00321	<0.000186	0.00209	0.0146	0.000504	0.00286
MW-11	11/13/08	<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
	11/23/09	<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	<0.000184	<0.000184	<0.000184	<0.000184
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/13/08	<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	0.000345
	11/23/09	<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	<0.000184	<0.000184	<0.000184	<0.000184
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/13/08	<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
	11/23/09	<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	<0.000184	<0.000184	<0.000184	<0.000184
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/13/08	<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
	11/23/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/13/08	<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
	11/23/09	<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	<0.000184	<0.000184	<0.000184	<0.000184
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/13/08	<0.000184	0.00022	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.000306**	<0.000184	<0.000184	0.00266	<0.000184	0.0023	<0.000184	**0.0322**	**0.0261**	**0.0203**	0.00292
	11/23/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00162	<0.000184	0.00138	<0.000184	**0.0371**	**0.0300**	**0.0229**	0.00205
	11/18/10	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.00107	<0.000186	0.000848	<0.000186	**0.0155**	**0.0153**	**0.00854**	0.00153

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-18
MONUMENT, NEW MEXICO
NMOCD REFERENCE NUMBER AP-0013

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	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.		—	—	—	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			—
MW-18	11/13/08	<0.000183	0.000247	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.00205	<0.000183	0.00123	<0.000183	**0.0422**	**0.0326**	**0.021**	0.00262
	11/23/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00163	<0.000184	0.00166	<0.000184	**0.0328**	**0.0282**	**0.0192**	0.00186
	11/18/10	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.00112	<0.000186	0.000842	<0.000186	**0.0247**	**0.0191**	**0.012**	0.00162
MW-20	11/13/08	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	0.000303
	11/23/09	<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	<0.000184	<0.000184	<0.000184	<0.000184
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-21	11/13/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/23/09	<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	<0.000184	<0.000184	<0.000184	<0.000184
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-22	11/13/08	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187
	11/23/09	<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	<0.000184	<0.000184	<0.000184	<0.000184
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-23	11/13/08	<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	0.000404	<0.000184	0.000367	0.00169	<0.000184	0.000831
	11/23/09	<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
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-24	11/13/08	<0.000184	<0.000184	0.000461	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000601	<0.000184	0.000453	<0.000184	0.00391	0.00634	0.00168	0.000818
	11/23/09	<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	<0.000184	<0.000184	<0.000184	<0.000184
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-25	11/13/08	<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	0.000236
	11/23/09	<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	0.000488	<0.000184	<0.000184	0.00226	<0.000184	<0.000184
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	11/13/08	<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	0.000315	<0.000184	0.000323	0.0015	<0.000184	0.00135
	11/23/09	<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	0.000766	<0.000184	<0.000184	<0.000184	<0.000184	0.00135
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-18
MONUMENT, NEW MEXICO
NMOCD REFERENCE NUMBER AP-0013

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	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.					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			
MW-27	11/13/08	<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
	11/23/09	<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
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	11/13/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/23/09	<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	<0.000184	<0.000184	<0.000184	<0.000184
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-30	11/13/08	<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
	11/23/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/18/10	Not Sampled as part of Quarterly Monitoring Event.																		
RW-1	11/13/08	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	0.0156	<0.00459	0.0224	<0.00459	**0.058**	**0.100**	**0.0979**	0.0141
	11/23/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00328	<0.000184	0.00392	<0.000184	**0.0327**	**0.0366**	**0.0296**	0.00341
	11/18/10	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00152	<0.000184	0.00281	<0.000184	0.00745	0.00615	0.00481	0.00187
RW-2	11/13/08	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	0.0194	<0.00461	0.0243	<0.00461	**0.0508**	**0.118**	**0.106**	0.0182
	11/23/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.00385	<0.000183	0.00386	<0.000183	**0.0206**	**0.0413**	**0.0227**	0.00346
	11/18/10	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	0.00403	<0.000188	0.0059	<0.000188	**0.0114**	**0.0181**	**0.00745**	0.00428

Appendices

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

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

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

Form C-141
Originated 2/13/97

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

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

Name	Contact
Texas-New Mexico Pipe Line Company	Edwin H. Gripp
Address	**Telephone No.**
Box 60028, San Angelo, TX 76906	(915) 947-9000
Facility Name	**Facility Type**
16" main line	pipe line

Surface Owner	Mineral Owner	Lease No.
Millard Deck Estate		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	28	20S	37E					Lea

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Sour crude	83 barrels	none
Source of Release	**Date and Hour of Occurrence**	**Date and Hour of Discovery**
16" main line	Unknown	9-10-97 4:30pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom?**	
	Elizabeth	
By Whom?	**Date and Hour**	
Mike Pearce	9-11-97 1:30 pm	
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.*

Internal Corrosion
Leak successfully clamped off.

Describe Area Affected and Cleanup Action Taken.*

3600 sq. ft. pasture land.
Contaminated soil will be excavated.

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

95° Cloudy

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

Printed Name: Edwin H. Gripp
Title: District Manager
Date: 9-11-97 Phone: 915-947-9001

OIL CONSERVATION DIVISION

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

* Attach Additional Sheets If Necessary

State Corp. Commission
Pipe Line Division

Hazardous Waste Section
NM Environmental Improvement Div.

TNM-97-18 JWC JAS