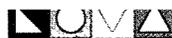


AP - 12

ANNUAL MONITORING REPORT

YEAR(S):
5A - 2007



RECEIVED

2008 APR 1 PM 2 08

2007
ANNUAL MONITORING REPORT

TNM 98-05A
NE 1/4 NW 1/4 OF SECTION 26, TOWNSHIP 21 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS EMS NUMBER: TNM-98-05A
NMOCD Reference AP-12

Prepared for:

PLAINS MARKETING L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002



Prepared By:

NOVA Safety and Environmental
2057 Commerce Street
Midland, Texas 79703

March 2008


Ronald K. Rounsaville
Project Manager


Todd K. Choban, P.G.
Vice President Technical Services



RECEIVED

2008 APR 1 PM 2 07

March 28, 2008

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

Re: Plains All American – Annual Monitoring Reports
25 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:

TNM 97-17	Section 21, Township 20 South, Range 37 East, Lea County
TNM 97-18	Section 28, Township 20 South, Range 37 East, Lea County
TNM 98-05A	Section 26, Township 21 South, Range 37 East, Lea County
TNM 98-05B	Section 26, Township 21 South, Range 37 East, Lea County
TNM 97-04	Section 11, Township 16 South, Range 35 East, Lea County
Texaco Skelly "F"	Section 21, Township 20 South, Range 37 East, Lea County
Darr Angell #2	Section 14, Township 15 South, Range 37 East, Lea County
LF-59	Section 32, Township 19 South, Range 37 East, Lea County
SPS-11	Section 18, Township 18 South, Range 36 East, Lea County
Monument #10	Section 32, Township 19 South, Range 37 East, Lea County
Monument #17	Section 29, Township 19 South, Range 37 East, Lea County
Monument #18	Section 7, Township 20 South, Range 37 East, Lea County
Lea Station to Monument 6"	Section 5, Township 20 South, Range 37 East, Lea County
34 Junction South Station	Section 2, Township 17 South, Range 36 East, Lea County
Bob Durham	Section 32, Township 19 South, Range 37 East, Lea County
Darr Angell #1	Section 11, Township 15 South, Range 37 East, Lea County
Darr Angell #4	Sections 2 and 11, Township 15 South, Range 37 East, Lea County
HDO 90-23	Section 6, Township 20 South, Range 37 East, Lea County
Junction 34 to Lea	Section 21, Township 20 South, Range 37 East, Lea County
Monument #2	Section 6, Township 20 South, Range 37 East, Lea County
Monument Barber 10" Sour	Section 32, Township 19 South, Range 37 East, Lea County
Monument #11	Section 30, Township 19 South, Range 37 East, Lea County
Red Byrd #1	Section 1, Township 20 South, Range 36 East, Lea County
South Monument Gathering	Section 5, Township 20 South, Range 37 East, Lea County
Denton Station	Section 14, Township 15 South, Range 37 East, Lea County

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 (505) 441-0965.

Sincerely,

A handwritten signature in cursive script that reads "Camille Reynolds". The signature is written in black ink and is positioned above the typed name and title.

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

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ENCLOSED ON DATA DISK

- 2007 Annual Report (Text)
- 2007 Tables
- Figures 1, 2A-2D, 3A-3D
- Electronic Copy of Laboratory Reports
- Historical Groundwater Elevation Tables
- Historical Groundwater BTEX Analytical Results

INTRODUCTION

NOVA Safety and Environmental (NOVA), on behalf of Plains Pipeline, L.P. (Plains), has prepared this 2007 Annual Groundwater 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. This report is intended to be viewed as a complete document with figures, attachments, tables, and text. The report presents the results of four quarterly groundwater monitoring/sampling events conducted at the TNM 98-05A crude oil release site (the site), located in Lea County, New Mexico. The site, formerly the responsibility of Enron Oil Trading and Transportation (EOTT) is now the responsibility of Plains. For reference, the Site Location Map is provided as Figure 1.

Groundwater gauging and sampling was conducted during each quarter of 2007 to assess the levels and extent of Phase Separated Hydrocarbons (PSH) and dissolved phase constituents. The groundwater monitoring events consisted of measuring static water levels in the monitor wells, and purging and sampling of each well exhibiting sufficient recharge. Monitor wells were not sampled if a measurable thickness of PSH were detected during gauging activities.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The site is located approximately two miles northeast of the city of Eunice, New Mexico. The legal description of the site is NE ¼, NW ¼, Section 26, Township 21 South, Range 37 East (Figure 1). On February 5, 1998, an estimated 38 barrels of crude oil were released from a six inch crude oil pipeline. Approximately four barrels of crude oil were recovered during the initial response activities. The release was attributed to internal corrosion of the pipeline. The Release Notification and Corrective Action Form (C-141) is provided as Appendix A. Approximately 3,300 cubic yards of impacted soil was excavated and applied to an on-site treatment cell. In December 2004, a Site Restoration Work Plan and Proposed Soil Closure Strategy Report was submitted to the NMOCD. The report was approved by the NMOCD in a letter dated June 2, 2005. In October 2005, additional excavation along the east sidewall was completed, the excavation was backfilled with remediated soil and the site was graded to match the surrounding topography. In December 2005, a Soil Closure Request was submitted to the NMOCD and this request was approved by the NMOCD in a letter dated January 31, 2006. Plains proposes no further action with regard to soil remediation at the TNM-98-05A site.

During the October 2005 excavation backfilling activities, monitor well MW-4 was damaged and could not be repaired. On January 9, 2006, Plains representatives requested NMOCD approval to plug and abandon monitor well MW-4. On January 19, 2006, NMOCD approved the request to plug and abandon the monitor well. On March 6, 2006, monitor well MW-4 was plugged and abandoned utilizing approved New Mexico Office of the State Engineer plugging and abandonment procedures.

Currently, there are ten monitor wells (MW-1 through MW-3 and MW-5 through MW-11) onsite. For reference, the analytical results are shown in Table 2, 2007 Concentrations of BTEX in Groundwater.

RECENT FIELD ACTIVITIES

During the reporting period, no measurable thickness of PSH was detected in any of the site monitor wells. A sheen was reported periodically in monitor wells MW-1, MW-2, MW-9 and MW-10 throughout the reporting period. Table 1 displays the groundwater gauging data for the reporting period. Historic groundwater elevation data beginning at project inception is provided on the enclosed data disk.

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004 and amended by correspondence date January 19, 2006. The table below illustrates the current groundwater sampling schedule approved by the NMOCD.

Sample Location	Sampling Schedule
MW-1	Quarterly
MW-2	Quarterly
MW-3	Quarterly
MW-4	Plugged and Abandoned March 6, 2006
MW-5	Annual
MW-6	Semi-annual
MW-7	Semi-annual
MW-8	Annual
MW-9	Quarterly
MW-10	Quarterly
MW-11	Quarterly

Quarterly sampling events for the calendar year 2007 were performed on February 20, May 15, August 9, and November 13, 2007. Each quarterly sampling event consisted of gauging all wells and purging and sampling monitor wells as per the approved sampling schedule. During each sampling event, the monitor wells were purged of a minimum of three well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos pump. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were collected in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

The most recent inferred groundwater gradient, Figure 2D, indicates a general gradient of approximately 0.004 feet/foot to the southeast as measured between monitor wells MW-5 and MW-6. This data is consistent with data presented on Figures 2A through 2C from earlier in the year. Groundwater elevation data for the calendar year 2007 is provided in Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed disk.

LABORATORY RESULTS

Groundwater samples collected during the 2007 groundwater sampling events were delivered to Trace Analysis, Inc. of Lubbock, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method SW846-8021b. A listing of BTEX constituent concentrations for 2007 is summarized in Table 2. Copies of the laboratory reports for 2007 are provided on the enclosed disk. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A-3D.

Monitor well MW-1 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 3.00 mg/L during the 1st quarter to 5.55 mg/L during the 4th quarter of 2007. Benzene concentrations were above the NMOCD regulatory standard of 0.01 mg/L during all four quarters of the reporting period. Toluene concentrations ranged from <0.100 mg/L during the 2nd and 3rd quarters to 0.149 mg/L during the 4th quarter of 2007. Toluene concentrations were below the NMOCD regulatory standard of 0.75 mg/L during all four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.993 mg/L during the 1st quarter to 2.20 mg/L during the 4th quarter of 2007. Ethylbenzene concentrations were above the NMOCD regulatory standard of 0.75 mg/L during all four quarters of the reporting period. Xylene concentrations ranged from 0.471 mg/L during the 3rd quarter to 0.681 mg/L during the 2nd quarter of 2007. Xylene concentrations were above the NMOCD regulatory standard of 0.62 mg/L during the 3rd quarter and below the standards during the 1st, 2nd and 4th quarters of the reporting period.

Monitor well MW-2 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 4.64 mg/L during the 2nd quarter to 8.74 mg/L during the 4th quarter of 2007. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations ranged from 0.271 mg/L during the 3rd quarter to 2.10 mg/L during the 1st quarter of 2007. Toluene concentrations were above the NMOCD regulatory standard of 0.75 mg/L during the 1st quarter and below the standards during the 2nd, 3rd and 4th quarters of the reporting period. Ethylbenzene concentrations ranged from 0.626 mg/L during the 4th quarter to 1.75 mg/L during the 2nd quarter of 2007. Ethylbenzene concentrations were above the NMOCD regulatory standard of 0.75 mg/L during the 1st, 2nd and 3rd quarters and below the standards during the 4th quarter of the reporting period. Xylene concentrations ranged from 0.98 mg/L during the 3rd quarter to 2.83 mg/L during the 4th quarter of 2007. Xylene concentrations were above the NMOCD regulatory standard of 0.62 mg/L during all four quarters of the reporting period.

Monitor well MW-3 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the method detection limit (MDL) and NMOCD regulatory standards for each constituent during each of the four quarterly sampling events. Monitor well MW-3 has exhibited 21 consecutive monitoring events below NMOCD regulatory limits.

Monitor well MW-5 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each

constituent during the 4th quarter sampling event. Monitor well MW-4 has exhibited 22 consecutive monitoring events below NMOCD regulatory limits.

Monitor well MW-6 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each constituent during the 2nd and 4th quarter sampling event. Monitor well MW-6 has exhibited 26 consecutive monitoring events below NMOCD regulatory limits.

Monitor well MW-7 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each constituent during the 2nd and 4th quarter sampling event. Monitor well MW-7 has exhibited 26 consecutive monitoring events below NMOCD regulatory limits.

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 constituent during the 4th quarter sampling event. Monitor well MW-8 has exhibited 22 consecutive monitoring events below NMOCD regulatory limits.

Monitor well MW-9 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 2nd quarter to 0.025 mg/L during the 4th quarter of 2007. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter and below the standard during the 1st, 2nd and 3rd quarters of the reporting period. Toluene concentrations ranged from <0.001 mg/L during the 1st, 2nd and 3rd quarters to 0.0092 mg/L during the 4th quarter of 2007. Toluene concentrations were below the NMOCD regulatory standard during the all four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0194 mg/L during the 2nd quarter to 0.0845 mg/L during the 4th quarter of 2007. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from 0.0164 mg/L during the 2nd quarter to 0.102 mg/L during the 4th quarter of 2007. Xylene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period.

Monitor well MW-10 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 5.40 mg/L during the 1st quarter to 13.5 mg/L during the 4th quarter of 2007. Benzene concentrations were above the NMOCD regulatory standard of 0.01 mg/L during all four quarters of the reporting period. Toluene concentrations were below the MDL of 0.100 mg/L during the reporting period of 2007. Toluene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Ethylbenzene concentrations ranged from 1.29 mg/L during the 1st quarter to 3.23 mg/L during the 2nd quarter of 2007. Ethylbenzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from 0.894 mg/L during the 1st quarter to 2.18 mg/L during the 2nd quarter of 2007. Xylene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period.

Monitor well MW-11 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each

constituent during each of the four quarterly sampling events. Monitor well MW-11 has exhibited 13 consecutive monitoring events below NMOCD regulatory limits.

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 four groundwater monitoring and sampling events for the annual monitoring period of calendar year 2007. Currently, there are ten groundwater monitor wells (MW-1 through MW-3 and MW-5 through MW-11) onsite. The most recent inferred groundwater gradient indicates a general gradient of approximately 0.004 feet/foot to the southeast.

During the reporting period, no measurable thickness of PSH was detected in any of the site monitor wells. A sheen was periodically reported in monitor wells MW-1, MW-2, MW-9 and MW-10 throughout most of the reporting period.

Benzene concentrations were above NMOCD regulatory standards for four monitor wells (monitor well MW-9 exhibited one quarter above and three quarters below NMOCD regulatory standards) during the reporting period. Benzene concentrations were below NMOCD regulatory standards for six monitor wells.

Toluene concentrations were above NMOCD regulatory standards for one monitor well during one of the four quarters of the reporting period. Toluene concentrations for nine monitor wells were below regulatory standards for the 2007 reporting period.

Ethylbenzene concentrations were above NMOCD regulatory standards for three monitor wells (monitor well MW-2 exhibited one quarter below and three quarters above NMOCD regulatory standards) during the reporting period. Ethylbenzene concentrations were below NMOCD regulatory standards for seven monitor wells for the 2007 reporting period.

Xylene concentrations were above NMOCD regulatory standards for three monitor wells (monitor well MW-1 exhibited one quarter above and three quarters below NMOCD regulatory standards). Xylene concentrations were below NMOCD regulatory standards for seven monitor wells for the 2007 reporting period.

ANTICIPATED ACTIONS

Plains proposes to modify the monitor well MW-5 sampling schedule. The monitor well is currently sampled on an annual schedule, Plains proposes to sample monitor well MW-5 on a semi-annual sampling schedule.

Plains will continue to monitor and perform quarterly groundwater sampling activities at the site. An Annual Monitoring Report will be submitted to the NMOCD by April 1, 2009. Plains will

submit a groundwater and site closure request to the NMOCD when groundwater analytical results demonstrate groundwater contaminant concentrations are below the regulatory standards for the required eight consecutive quarters.

LIMITATIONS

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

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

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

DISTRIBUTION

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

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

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jpdann@paalp.com

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rrounsaville@novatraining.cc

Figures

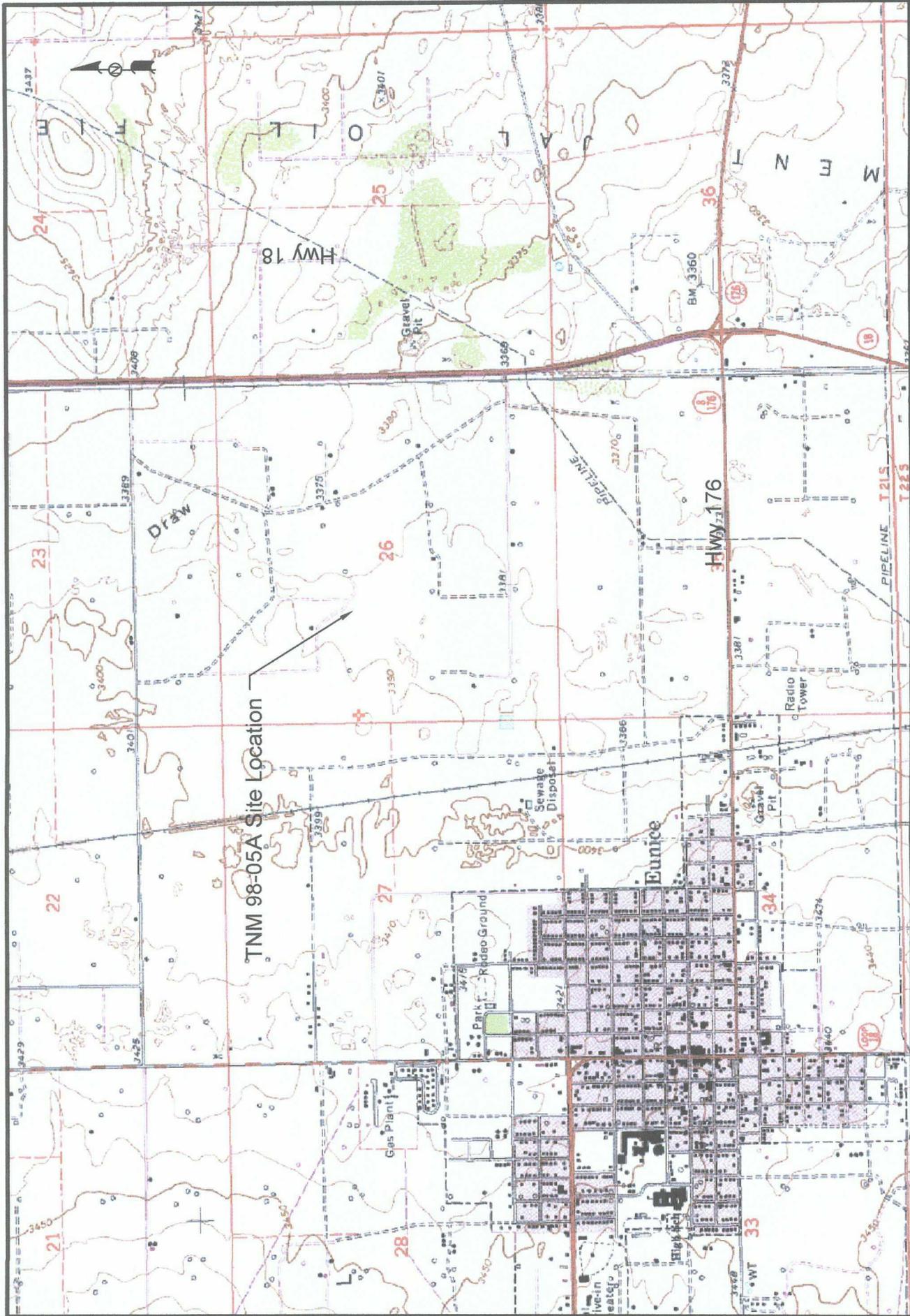
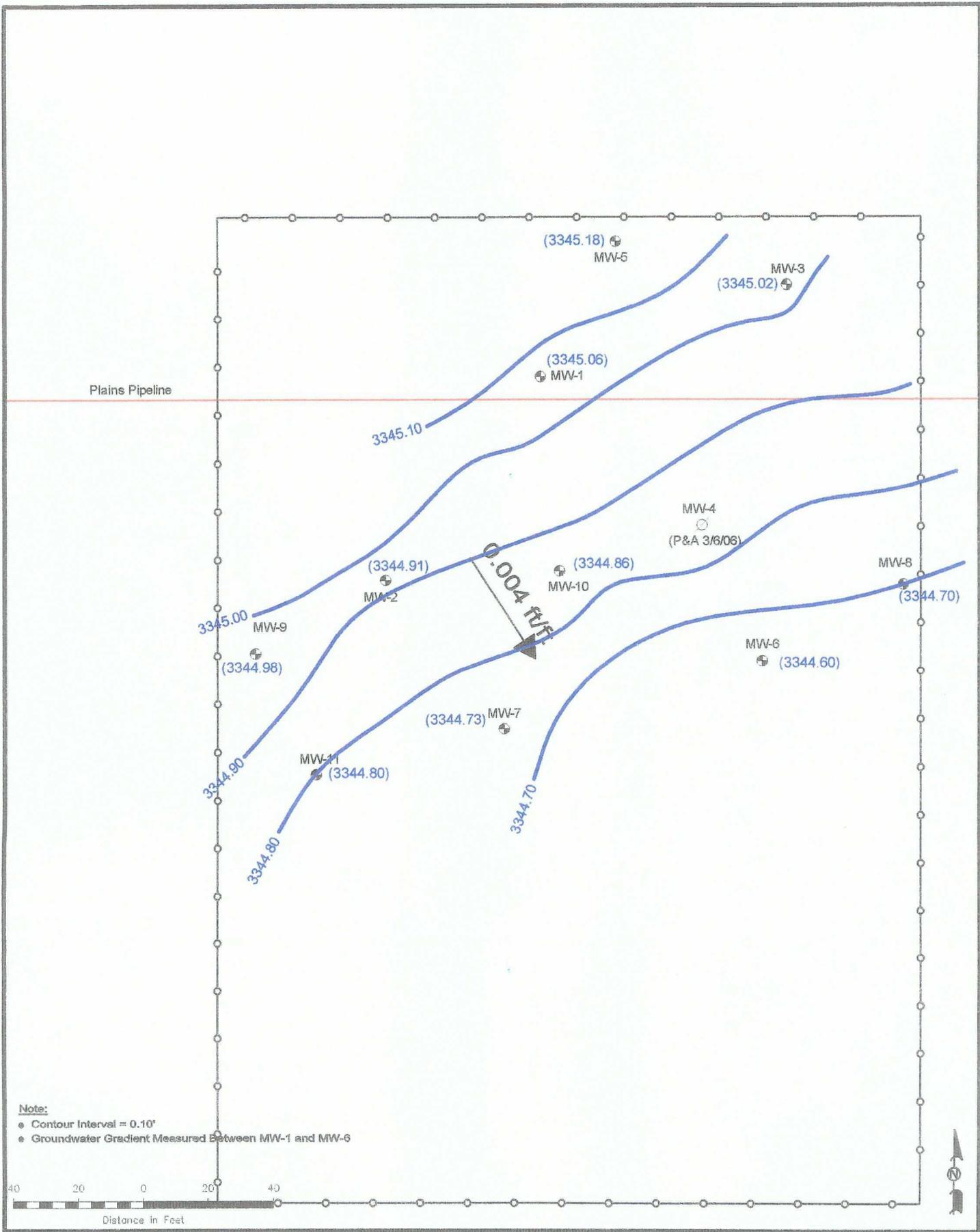


Figure 1
 Site Location Map
 Plains Marketing, L.P.
 TNM 98-05A
 Lea County, NM

NMOCOD Reference # AP-12



Note:
 ● Contour Interval = 0.10'
 ● Groundwater Gradient Measured Between MW-1 and MW-6

Legend:

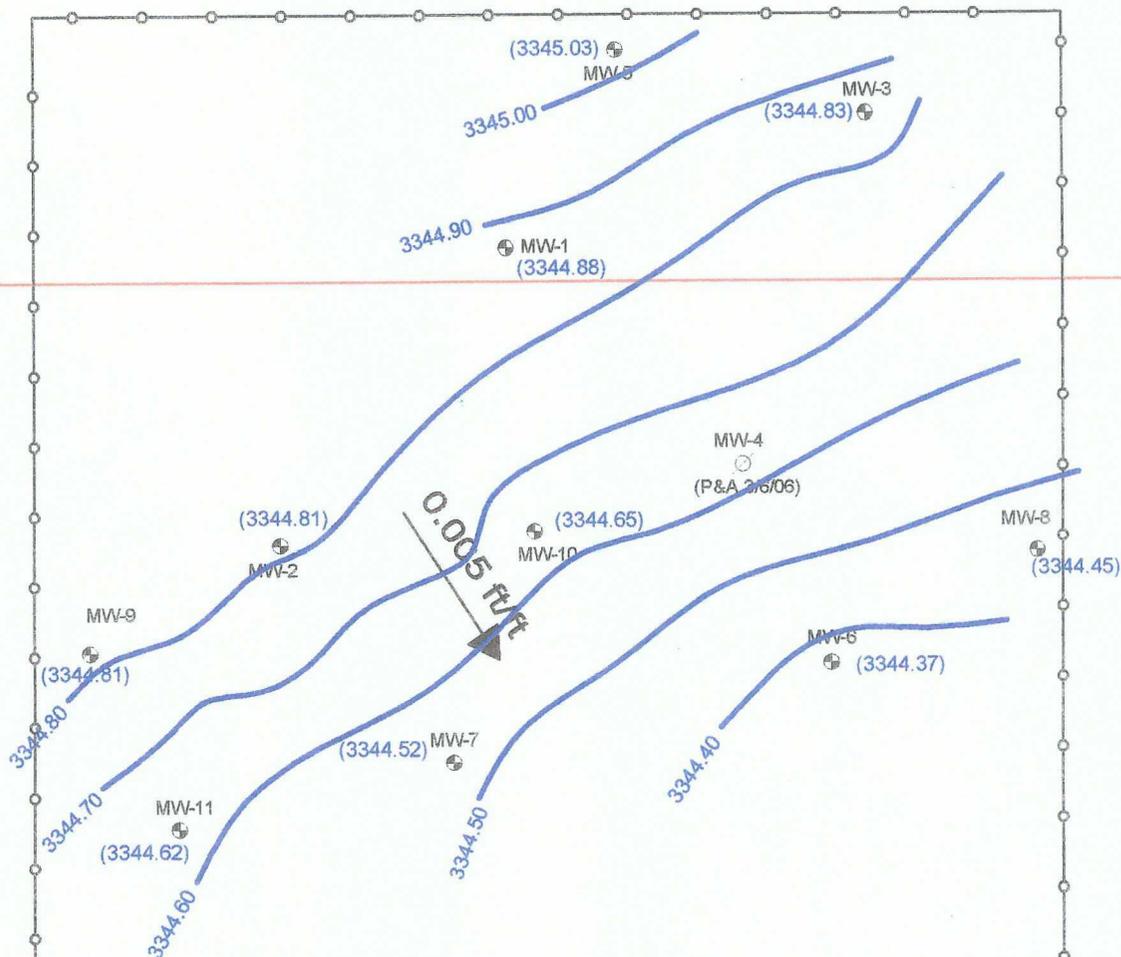
- Monitor Well Location
- Plugged and Abandoned
- NG Not Gauged
- (3342.43) Groundwater Elevation in Feet
- Groundwater Gradient Contour
- Groundwater Gradient and Magnitude

Figure 2A
 Inferred Groundwater Gradient Map (02/20/07)
 Plains Marketing, L.P.
 TNM96-06A
 Lea County, NM
 NMOCD Ref# AP-12

NOVA Safety and Environmental

NE1/4 NW1/4 Sec 26T21S R37E 32° 27' 03.9"N 103° 09' 29.2"W
 Scale: 1" = 40' CAD By: DGC Checked By: CDS
 October 25, 2007

Plains Pipeline



Note:

- Contour Interval = 0.10'
- Groundwater Gradient Measured Between MW-1 and MW-6



- Legend:
- ⊕ Monitor Well Location
 - Fence
 - (3342.43) Groundwater Elevation in Feet
 - Groundwater Gradient Contour

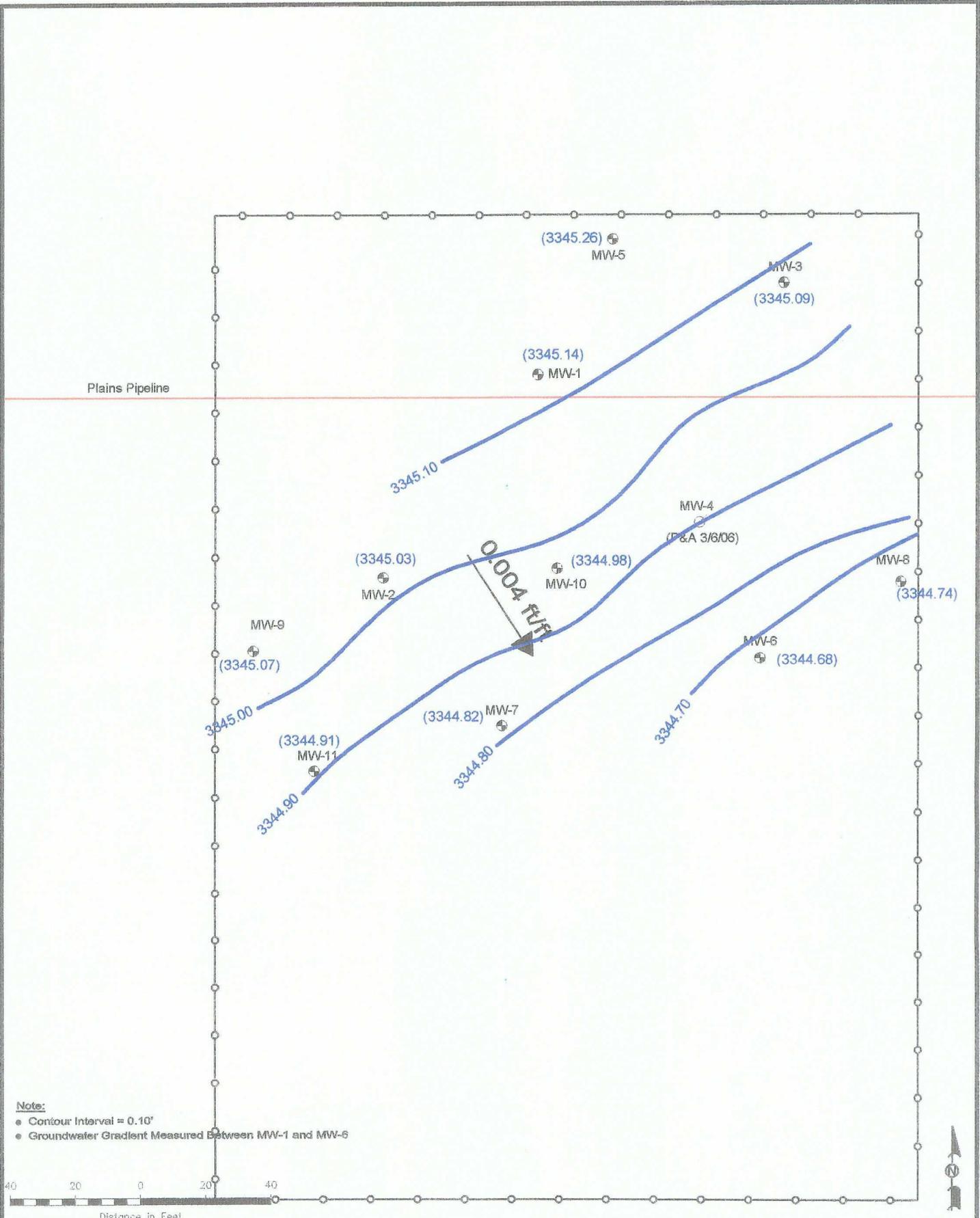
- Plugged and Abandoned
- NG Not Gauged
- 0.004 ft/ft → Groundwater Gradient and Magnitude

Figure 2B
Inferred Groundwater
Gradient Map (05/15/07)
Plains Marketing, L.P.
TNM98-05A
Lea County, NM
NMOCID Ref# AP-12

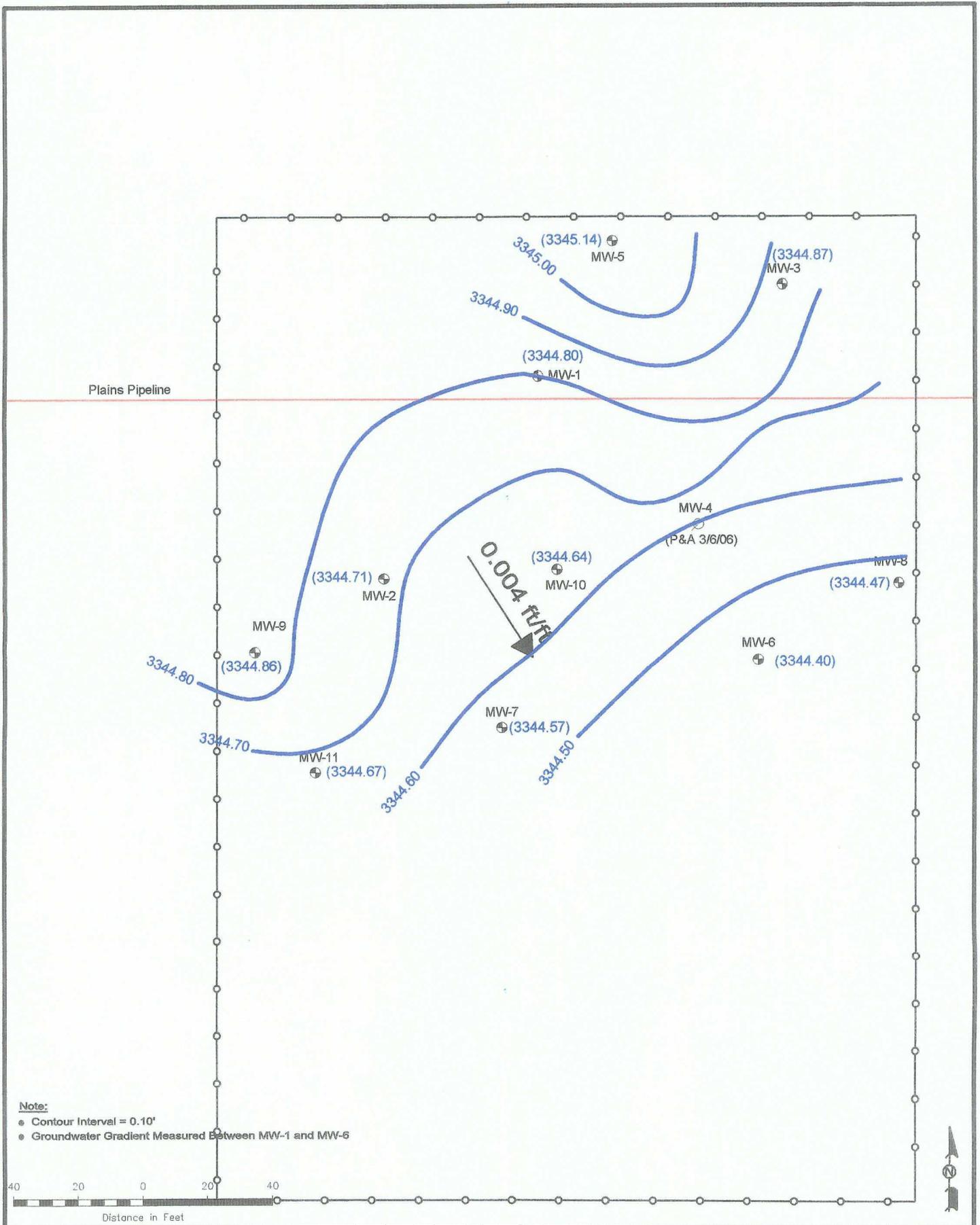
NOVA Safety and Environmental



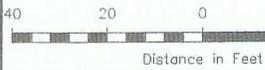
N114 NW14 Sec 20 T21S R37E		32° 27' 03.971" 103° 05' 28.214" W	
Scale: 1" = 40'	CAD By: DGC	Checked By: GDS	
October 25, 2007			



Legend: Monitor Well Location Fence (3342.43) Groundwater Elevation in Feet Groundwater Gradient Contour		Plugged and Abandoned NG Not Gauged 0.004 ft/ft Groundwater Gradient and Magnitude		Figure 2C Inferred Groundwater Gradient Map (08/09/07) Plains Marketing, L.P. TNM98-05A Lea County, NM NMOCD Ref# AP-12		NOVA Safety and Environmental 	
				NE 1/4 NW 1/4 Sec 28 T21S R37E 32° 27' 03.8" N 103° 03' 29.2" W Scale: 1" = 40' CAD By: DGC Checked By: CDS February 7, 2008			



Note:
 ● Contour Interval = 0.10'
 ● Groundwater Gradient Measured Between MW-1 and MW-6



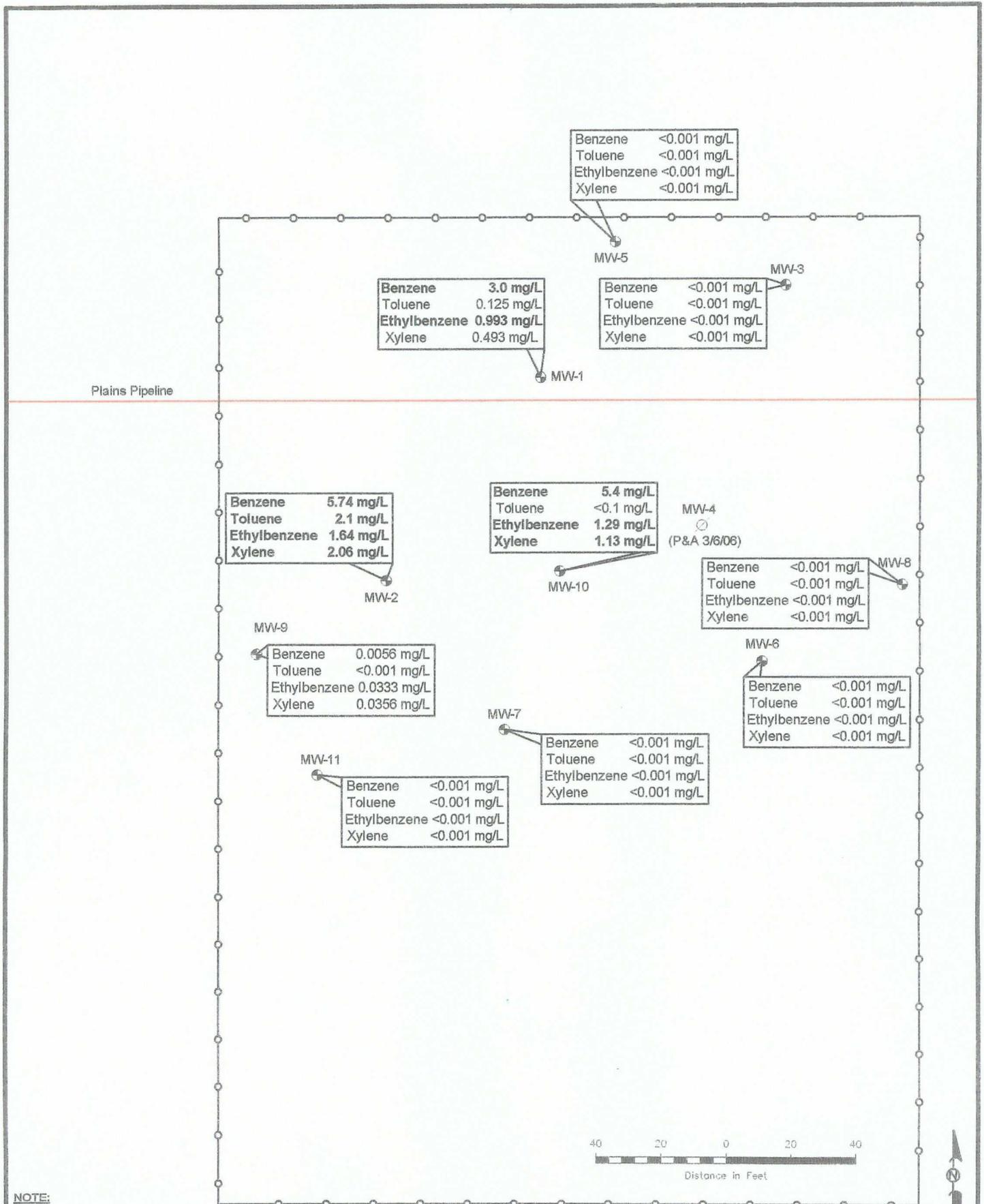
	Monitor Well Location
	Fence
(3342.43)	Groundwater Elevation in Feet
	Groundwater Gradient Contour
	Plugged and Abandoned
NG	Not Gauged
	0.004 ft/ft Groundwater Gradient and Magnitude

Figure 2D
 Inferred Groundwater Gradient Map (11/13/07)
 Plains Marketing, L.P.
 TNM98-05A
 Lea County, NM
 NMOCD Ref# AP-12

NOVA Safety and Environmental



NE1/4 NW1/4 Sec 28 T21S R37E		32° 27' 03.9"N 103° 08' 29.2"W	
Scale: 1" = 40'	CAD By: DGC	Checked By: CDS	
February 7, 2008			



NOTE:
BOLD Indicates Concentration Above the NMOCD Regulatory Standard

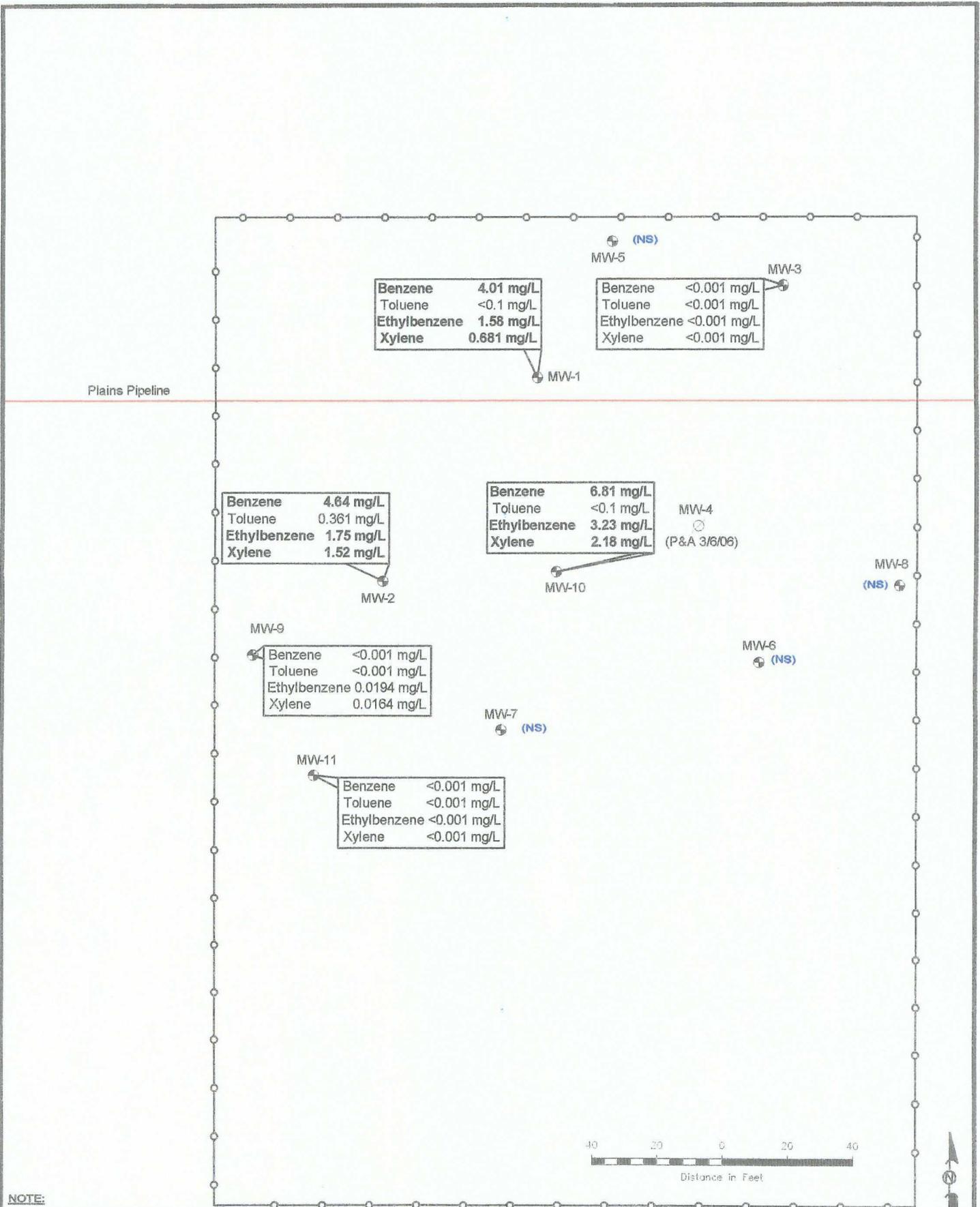
	Monitor Well Location	<0.001	Constituent Concentration in mg/L
	Fence	(NS)	Not Sampled
	Plugged and Abandoned		

Figure 3A
 Groundwater Concentration
 and Inferred PSH Extent
 (02/20/07)
 Plains Marketing, L.P.
 TNM98-05A
 Lea County, NM
 NMOCD Ref# AP-12

NOVA Safety and Environmental

safety and environmental

NE1/4 NW1/4 Sec 28 T21S R37E 32° 27' 03.9"N 103° 06' 22.2"W	
Scale: 1" = 40'	CAD By: DGC Checked By: CDS
October 4, 2007	



NOTE:
BOLD Indicates Concentration Above the NMOCD Regulatory Standard

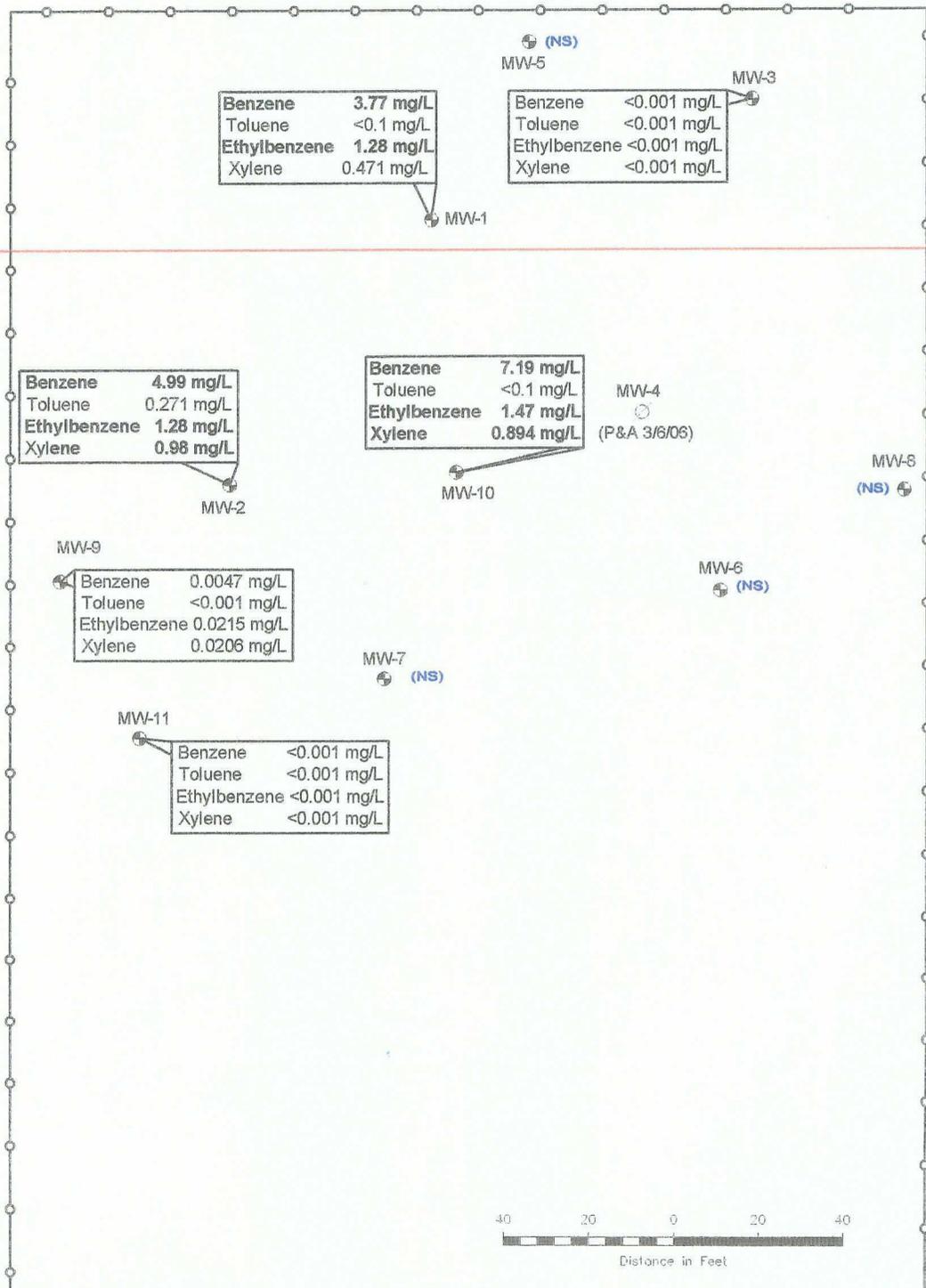
<p>Legend:</p> <ul style="list-style-type: none"> Monitor Well Location Fence Plugged and Abandoned 	<p><0.001 (NS)</p>	<p>Constituent Concentration in mg/L Not Sampled</p>
--	---------------------------	--

Figure 3B
 Groundwater Concentration
 and Inferred PSH Extent
 (05/15/07)
 Plains Marketing, L.P.
 TNM98-05A
 Lea County, NM
 NMOCD Ref# AP-12

NOVA Safety and Environmental

NE1/4 NW1/4 Sec 26 T21S R37E	32° 27' 03.9"N 103° 08' 29.2"W
Scale: 1" = 40'	CAD By: DGC
October 4, 2007	Checked By: CDS

Plains Pipeline



NOTE:
BOLD indicates Concentration Above the NMOCD Regulatory Standard

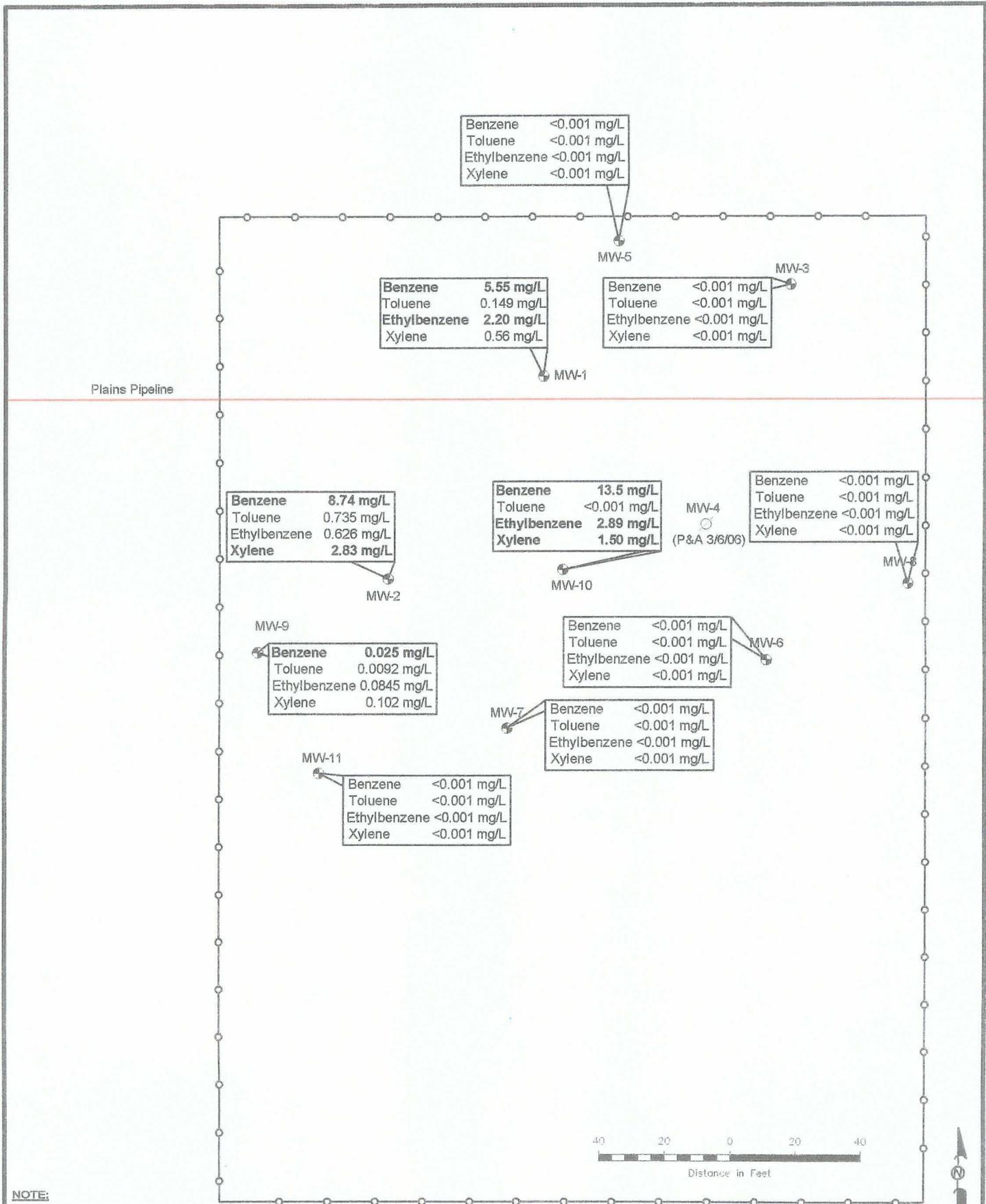
Legend:	<0.001	Constituent Concentration in mg/L
	(NS)	Not Sampled

Figure 3C
 Groundwater Concentration
 and Inferred PSH Extent
 (03/09/07)
 Plains Marketing, L.P.
 TNM98-05A
 Lea County, NM
 NMOCD Ref# AP-12

NOVA Safety and Environmental



NE1/4 NW1/4 Sec 28 T21S R37E	32° 27' 03.9"N 103° 06' 29.2"W
Scale: 1" = 40'	CAD By: DGC
Checked By: CDS	October 4, 2007



Legend: Monitor Well Location Fence Plugged and Abandoned	<0.001 (NS)	Constituent Concentration in mg/L Not Sampled	Figure 3D Groundwater Concentration and Inferred PSH Extent (11/13/07) Plains Marketing, L.P. TNM98-05A Lea County, NM NMOCED Ref# AP-12	NOVA Safety and Environmental 	NE1/4 NW1/4 Sec 28 T21S R37E 32° 27' 03.9"N 103° 08' 29.2"W
	Scale: 1" = 40'	CAD By: DGC			Checked By: CDS



Tables

TABLE 1

2007 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
 TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOCD Reference AP-12

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-1	01/26/07	3391.62	sheen	46.66	0.00	3,344.96
	01/31/07	3391.62	sheen	46.53	0.00	3,345.09
	02/15/07	3391.62		46.61	0.00	3,345.01
	02/20/07	3391.62		46.56	0.00	3,345.06
	05/15/07	3391.62		46.74	0.00	3,344.88
	08/09/07	3391.62		46.48	0.00	3,345.14
	10/01/07	3391.62	sheen	46.73	0.00	3,344.89
	10/12/07	3391.62	sheen	46.73	0.00	3,344.89
	11/13/07	3391.62		46.82	0.00	3,344.80
MW-2	01/26/07	3390.85	sheen	46.02	0.00	3,344.83
	01/31/07	3390.85	sheen	45.91	0.00	3,344.94
	02/15/07	3390.85		45.96	0.00	3,344.89
	02/20/07	3390.85	sheen	45.94	0.00	3,344.91
	05/15/07	3390.85	sheen	46.04	0.00	3,344.81
	08/09/07	3390.85	sheen	45.82	0.00	3,345.03
	10/01/07	3390.85	sheen	46.11	0.00	3,344.74
	10/12/07	3390.85	sheen	46.11	0.00	3,344.74
	11/13/07	3390.85	sheen	46.14	0.00	3,344.71
MW-3	02/20/07	3391.08		46.06	0.00	3,345.02
	05/15/07	3391.08		46.25	0.00	3,344.83
	08/09/07	3391.08	-	45.99	0.00	3,345.09
	11/13/07	3391.08	-	46.21	0.00	3,344.87
MW-5	02/20/07	3391.53		46.35	0.00	3,345.18
	05/15/07	3391.53		46.50	0.00	3,345.03
	08/09/07	3391.53		46.27	0.00	3,345.26
	11/13/07	3391.53		46.39	0.00	3,345.14
MW-6	02/20/07	3391.14		46.54	0.00	3,344.60
	05/15/07	3391.14		46.77	0.00	3,344.37
	06/21/07	3391.14		46.74	0.00	3,344.40
	08/09/07	3391.14		46.46	0.00	3,344.68
	11/13/07	3391.14		46.74	0.00	3,344.40
MW-7	02/20/07	3391.21		46.48	0.00	3,344.73
	05/15/07	3391.21		46.69	0.00	3,344.52
	06/21/07	3391.21		46.71	0.00	3,344.50
	08/09/07	3391.21		46.39	0.00	3,344.82
	11/13/07	3391.21		46.64	0.00	3,344.57

TABLE 1

2007 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
 TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOCD Reference AP-12

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-8	02/20/07	3391.14		46.44	0.00	3,344.70
	05/15/07	3391.14		46.69	0.00	3,344.45
	08/09/07	3391.14		46.40	0.00	3,344.74
	11/13/07	3391.14		46.67	0.00	3,344.47
MW-9	01/26/07	3391.47	sheen	46.58	0.00	3,344.89
	01/31/07	3391.47	sheen	46.47	0.00	3,345.00
	02/15/07	3391.47		46.54	0.00	3,344.93
	02/20/07	3391.47		46.49	0.00	3,344.98
	05/15/07	3391.47		46.66	0.00	3,344.81
	08/09/07	3391.47		46.40	0.00	3,345.07
	11/13/07	3391.47		46.61	0.00	3,344.86
MW-10	01/26/07	3391.26	sheen	46.45	0.00	3,344.81
	01/31/07	3391.26	sheen	46.34	0.00	3,344.92
	02/15/07	3391.26		46.39	0.00	3,344.87
	02/20/07	3391.26		46.40	0.00	3,344.86
	05/15/07	3391.26	sheen	46.61	0.00	3,344.65
	08/09/07	3391.26	sheen	46.28	0.00	3,344.98
	10/01/07	3391.26	sheen	46.58	0.00	3,344.68
	10/12/07	3391.26	sheen	46.55	0.00	3,344.71
	11/13/07	3391.26	sheen	46.62	0.00	3,344.64
MW-11	02/20/07	3390.73		45.93	0.00	3,344.80
	05/15/07	3390.73	-	46.11	0.00	3,344.62
	08/09/07	3390.73	-	45.82	0.00	3,344.91
	11/13/07	3390.73	-	46.06	0.00	3,344.67

TABLE 2

2007 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 98-05 A
 LEA COUNTY, NEW MEXICO
 NMOCD Reference No. AP-12
 All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62
MW-1	02/20/07	3.00	0.125	0.993	0.493
	05/15/07	4.01	<0.100	1.58	0.681
	08/09/07	3.77	<0.100	1.28	0.471
	11/13/07	5.55	0.149	2.20	0.560
MW-2	02/20/07	5.74	2.1	1.64	2.06
	05/15/07	4.64	0.361	1.75	1.52
	08/09/07	4.99	0.271	1.28	0.98
	11/13/07	8.74	0.735	0.626	2.83
MW-3	02/20/07	<0.001	<0.001	<0.001	<0.001
	05/15/07	<0.001	<0.001	<0.001	<0.001
	08/09/07	<0.001	<0.001	<0.001	<0.001
	11/13/07	<0.001	<0.001	<0.001	<0.001
MW-5	02/20/07	<0.001	<0.001	<0.001	<0.001
	05/15/07	Not Sampled on Current Sampling Schedule			
	08/09/07	Not Sampled on Current Sampling Schedule			
	11/13/07	<0.001	<0.001	<0.001	<0.001
MW-6	02/20/07	<0.001	<0.001	<0.001	<0.001
	05/15/07	Not Sampled on Current Sampling Schedule			
	06/21/07	<0.001	<0.001	<0.001	<0.001
	08/09/07	Not Sampled on Current Sampling Schedule			
	11/13/07	<0.001	<0.001	<0.001	<0.001
MW-7	02/20/07	<0.001	<0.001	<0.001	<0.001
	05/15/07	Not Sampled on Current Sampling Schedule			
	06/21/07	<0.001	<0.001	<0.001	<0.001
	08/09/07	Not Sampled on Current Sampling Schedule			
	11/13/07	<0.001	<0.001	<0.001	<0.001
MW-8	02/20/07	<0.001	<0.001	<0.001	<0.001
	05/15/07	Not Sampled on Current Sampling Schedule			
	06/21/07	<0.001	<0.001	<0.001	<0.001
	08/09/07	Not Sampled on Current Sampling Schedule			
	11/13/07	<0.001	<0.001	<0.001	<0.001

TABLE 2

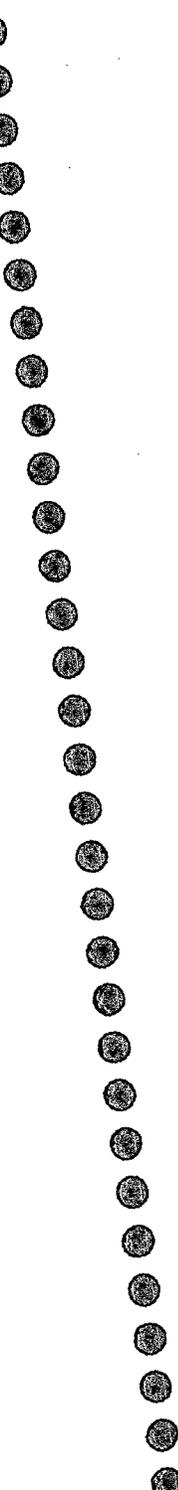
2007 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 98-05 A
 LEA COUNTY, NEW MEXICO
 NMOCD Reference No. AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62
MW-9	02/20/07	0.0056	<0.001	0.0333	0.0356
	05/15/07	<0.001	<0.001	0.0194	0.0164
	08/09/07	0.0047	<0.001	0.0215	0.0206
	11/13/07	0.025	0.0092	0.0845	0.102
MW-10	02/20/07	5.4	<0.1	1.29	1.13
	05/15/07	6.81	<0.100	3.23	2.18
	08/09/07	7.19	<0.100	1.47	0.894
	11/13/07	13.5	<0.100	2.89	1.50
MW-11	02/20/07	<0.001	<0.001	<0.001	<0.001
	05/15/07	<0.001	<0.001	<0.001	<0.001
	08/09/07	<0.001	<0.001	<0.001	<0.001
	11/13/07	<0.001	<0.001	<0.001	<0.001

Concentrations in bold exceed NMOCD Groundwater Cleanup Limits



Appendices

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

District I - (505) 393-8181
 P.O. Box 1940
 Hobbs, NM 88241-1980
 District II - (505) 748-1283
 111 South First
 Lordsburg, NM 88310
 District III - (505) 394-6178
 400 Rio Brazos Road
 Lordsburg, NM 87410
 District IV - (505) 827-7191

State of New Mexico
 Energy - Minerals and Natural Resources Department
 Oil Conservation Division
 2040 South Pacheco Street
 Santa Fe, New Mexico 87505
 (505) 827-7191

Form C-141
 Originated 2/13/97

98-05A

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 Texas-New Mexico Pipe Line Company		Contact Edwin H. Gripp
Address Box 60028		Telephone No. 915-947-9000
Facility Name San Angelo, TX 76906		Facility Type pipe line
Surface Owner Nadine Owen	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	26	21S	37E					Lara

NATURE OF RELEASE

Type of Release Sour Crude	Volume of Release 38 barrels	Volume Recovered 4 barrels
Source of Release 6" gathering line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 2/5/98; 10:25 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Linda Williams (Clerk #4)	
By Whom? Johnny W. Chapman	Date and Hour 2/5/98; 3:00 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse N/A	
If a Watercourse was Impacted, Describe Fully N/A		

Describe Cause of Problem and Remedial Action Taken.

Internal Corrosion
 Leak successfully clamped off.

Describe Area Affected and Cleanup Action Taken.

Approximately 1260 sq.ft. pasture land.
 Contaminated soil will be excavated and put on plastic.

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

Cloudy; 60 degrees

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: 2/12/98 Phone: 915-947-9000

OIL CONSERVATION DIVISION

Approved by
 District Supervisor

Approval Date

Expiration Date

Conditions of Approval

Attached

* Attach Additional Sheets If Necessary

State Oil Conservation

Hazardous Waste Section