1R - 119

Annual GW Mon. REPORTS

DATE:

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2007
ANNUAL MONITORING REPORT

MONUMENT 10

SE ¼ NE ¼ SECTION 30, TOWNSHIP 19 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS EMS NUMBER: TNM MONUMENT-10
NMOCD Reference 1R-0119

PREPARED FOR:

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

NOVA
safety and environmental

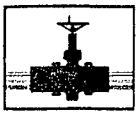
PREPARED BY:

NOVA Safety and Environmental
2057 Commerce
Midland, Texas 79703

March 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

3112 West Highway 82 • Lovington, NM 88260 • (505) 396-3341

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,

Camille Reynolds

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

TABLE OF CONTENTS

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. The Monument 10 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 2007 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 2007 to assess the extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitor event consisted of measuring static water levels in the monitor wells, checking for the presence of PSH on the water column and the purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the site is SE ¼ NE ¼ Section 30, Township 19 South, Range 37 East. No information with respect to the release date, volume of crude oil released or recovered, excavation volumes, or pipeline repair details is available. The Release Notification and Corrective Action (Form C-141) is provided as Appendix A. The initial site investigation, consisting of the installation of seven groundwater monitor wells (MW-1 through MW-7), was performed by a previous consultant.

Seven groundwater monitor wells (MW-1 through MW-7) are currently on-site. Manual product recovery is being conducted weekly at monitor wells MW-1, MW-2 and MW-3.

RECENT FIELD ACTIVITIES

During the reporting period, only monitor wells MW-1, MW-2 and MW-3 exhibited measurable thicknesses of PSH. The average PSH thickness for the year from the three monitor wells displaying PSH was 2.51 feet. The maximum measured PSH thickness was 4.53 feet observed in monitor well MW-3 on January 31, 2007. Approximately 117 gallons (approximately 2.93 barrels) of PSH were recovered from the site during the reporting period. Approximately 1,080 gallons (approximately 27 barrels) of PSH have been recovered from this site since project inception. Recovered PSH is reintroduced into the Plains transportation system at the Lea Station Facility, near Monument, New Mexico. Measurable thicknesses of PSH are recorded in Table 1 and Figures 3A-3D.

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004 and amended by NMOCD correspondences dated June 22, 2005 and January 26, 2006.

NMOCD Approved Sampling Schedule	
MW-1	Annually
MW-2	Quarterly
MW-3	Quarterly
MW-4	Annually
MW-5	Annually
MW-6	Semi-Annually
MW-7	Semi-Annually

The site monitor wells were gauged and sampled on February 22, May 17, August 21, and November 26, 2007. 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 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.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during quarterly sampling events performed in 2007, are depicted on the Inferred Groundwater Gradient Maps, Figures 2A-2D. Groundwater elevation data for 2007 is provided as Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed data disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.013 feet/foot to the southeast as measured between monitor wells MW-4 and MW-7. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3605.10 and 3609.71 feet above mean sea level, in MW-6 on August 21, 2007 and in MW-4 on February 22, 2007, respectively.

LABORATORY RESULTS

Monitor wells MW-2 and MW-3 contained measurable PSH and were not sampled during the reporting period. Monitor well MW-1 contained measurable PSH during the 1st and 2nd quarter events and was not sampled.

All groundwater samples collected during the reporting period were delivered to TraceAnalysis, Inc. in Lubbock, Texas for Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) analysis using EPA Method SW 846-8021b. Analytical results of BTEX constituent concentrations for 2007 are summarized on Table 2. Historical BTEX constituent concentrations and copies of the laboratory reports for 2007 are provided on the enclosed data disk. The quarterly groundwater analytical results are depicted on the Groundwater Concentration and Inferred PSH Extent Maps, Figures 3A-3D.

Monitor well MW-1 is sampled on an annual schedule, however Plains has voluntarily chosen to increase the sampling frequency to quarterly due to the presence of PSH observed during the

1st quarter sampling event. Analytical results indicate benzene, toluene and ethylbenzene concentrations were below the laboratory method detection limit (MDL) and the NMOCD regulatory standard during the 3rd and 4th quarter sampling events. The xylene concentrations were below the MDL and the NMOCD regulatory standard with concentrations ranging from <0.001 mg/L during the 3rd quarter to 0.0052 mg/L during the 4th quarter sampling event. Based on the laboratory analytical data from groundwater samples collected from monitor well MW-1, the measurable PSH observed in this monitor well has not resulted in the elevation of BTEX constituent concentrations above the NMOCD criteria during the 2007 reporting period.

Monitor well MW-2 is monitored on a quarterly schedule. Monitor well MW-2 was not sampled during any of the four quarters of the reporting period, due to the reported presence of PSH in the monitor well. PSH thickness of 3.05 feet, 2.51 feet, 1.79 feet and 2.14 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2007, respectively.

Monitor well MW-3 is monitored on a quarterly schedule. Monitor well MW-3 was not sampled during any of the four quarters of the reporting period, due to the reported presence of PSH in the monitor well. PSH thickness of 4.18 feet, 3.57 feet, 2.87 feet and 3.26 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2007, respectively.

Monitor well MW-4 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-4 has exhibited 26 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 MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. Monitor well MW-5 has exhibited 29 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 MDL and NMOCD regulatory standards for each BTEX constituent during the 2nd and 4th quarter sampling events. Monitor well MW-6 has exhibited 27 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 MDL and NMOCD regulatory standards for each BTEX constituent during the 2nd quarter sampling event. Analytical results indicate BTEX constituent concentrations were below MDL and NMOCD standards during the 4th quarter of the reporting period, with the exception of the benzene constituent, which indicated a concentration of 0.0031 mg/L (below NMOCD regulatory standard). Monitor well MW-7 has exhibited 29 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 monitoring activities for the 2007 annual monitoring period. Currently, there are seven groundwater monitor wells present at the site. Manual product recovery occurs from monitor wells MW-2 and MW-3 on a weekly schedule. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.013 feet/foot to the south-southeast.

Two monitor wells (MW-2 and MW-3) exhibited measurable thicknesses of PSH during each sampling event of the reporting period and were not sampled. Monitor well MW-1 exhibited measurable thicknesses of PSH during the 1st and 2nd quarters of the reporting period and was sampled during the 3rd and 4th quarters of the reporting period.

Approximately 117 gallons (approximately 2.93 barrels) of PSH were recovered from the site during the reporting period, with 1,080 gallons (approximately 27 barrels) of PSH having been recovered from this site since project inception.

Review of the laboratory analytical results of the groundwater samples obtained during the reporting period indicates BTEX constituent concentrations remain below applicable NMOCD regulatory standards in monitor wells MW-4 through MW-7. Analytical results of samples collected from monitor well MW-1 also indicate BTEX constituent concentrations are below the appropriate NMOCD regulatory standards. Based on the laboratory analytical data from groundwater samples collected from monitor well MW-1, the measurable PSH observed in this monitor well has not resulted in the elevation of BTEX constituent concentrations above the NMOCD criteria during the 2007 reporting period. The Historic BTEX Concentration Table is provided on the enclosed disk. At this time, dissolved phase impact appears to be limited to those monitor wells exhibiting measurable thicknesses of PSH.

ANTICIPATED ACTIONS

Plains plans to modify the monitor well MW-1 sampling schedule. Monitor well MW-1 is currently on an annual sampling schedule. Plains plans to place this monitor well on a quarterly groundwater sampling schedule, based on the measurable PSH thicknesses observed in the monitor well.

Groundwater monitoring, PSH recovery and annual reporting will continue in 2008.

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

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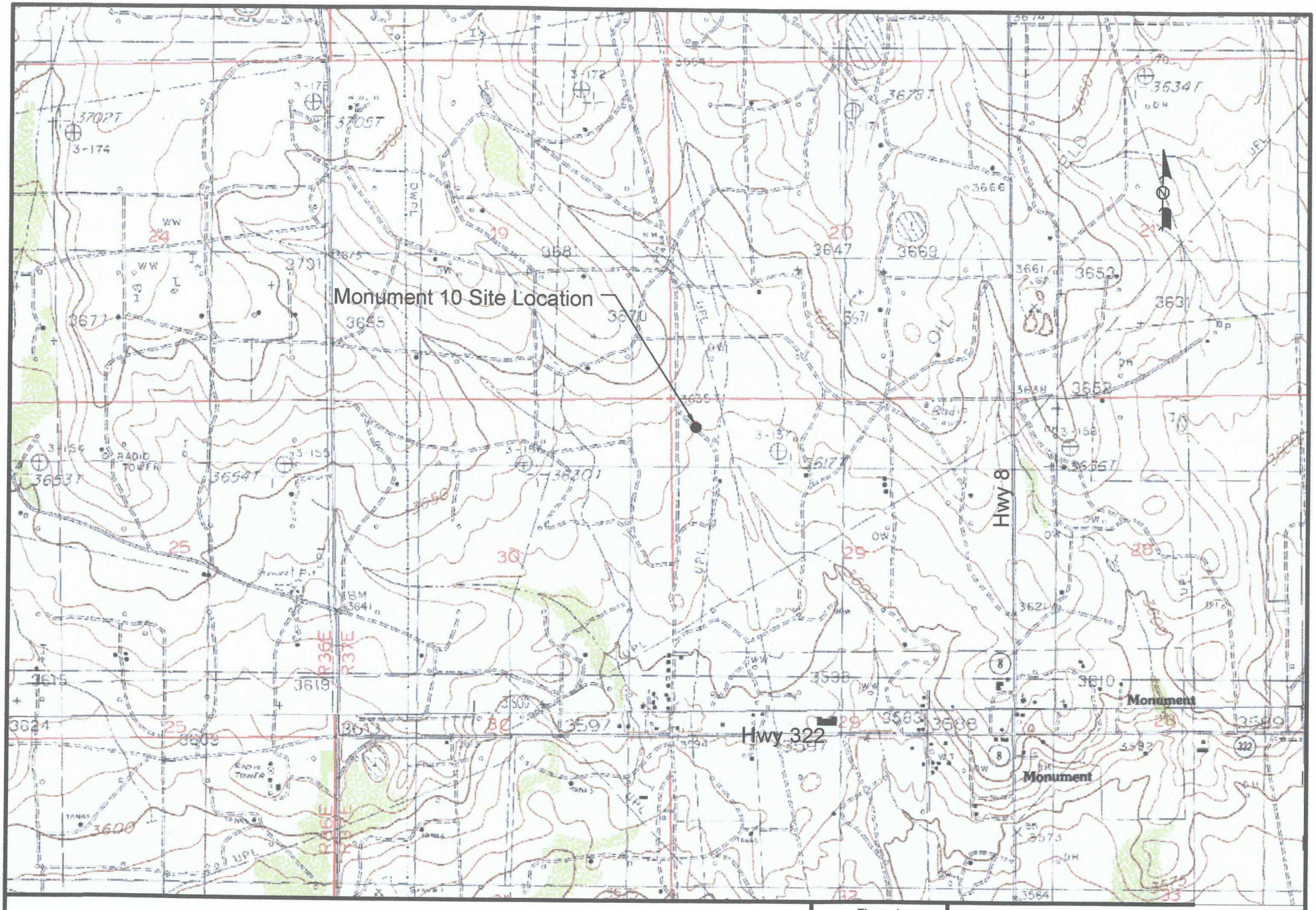
rrounsaville@novatraining.cc

Figures



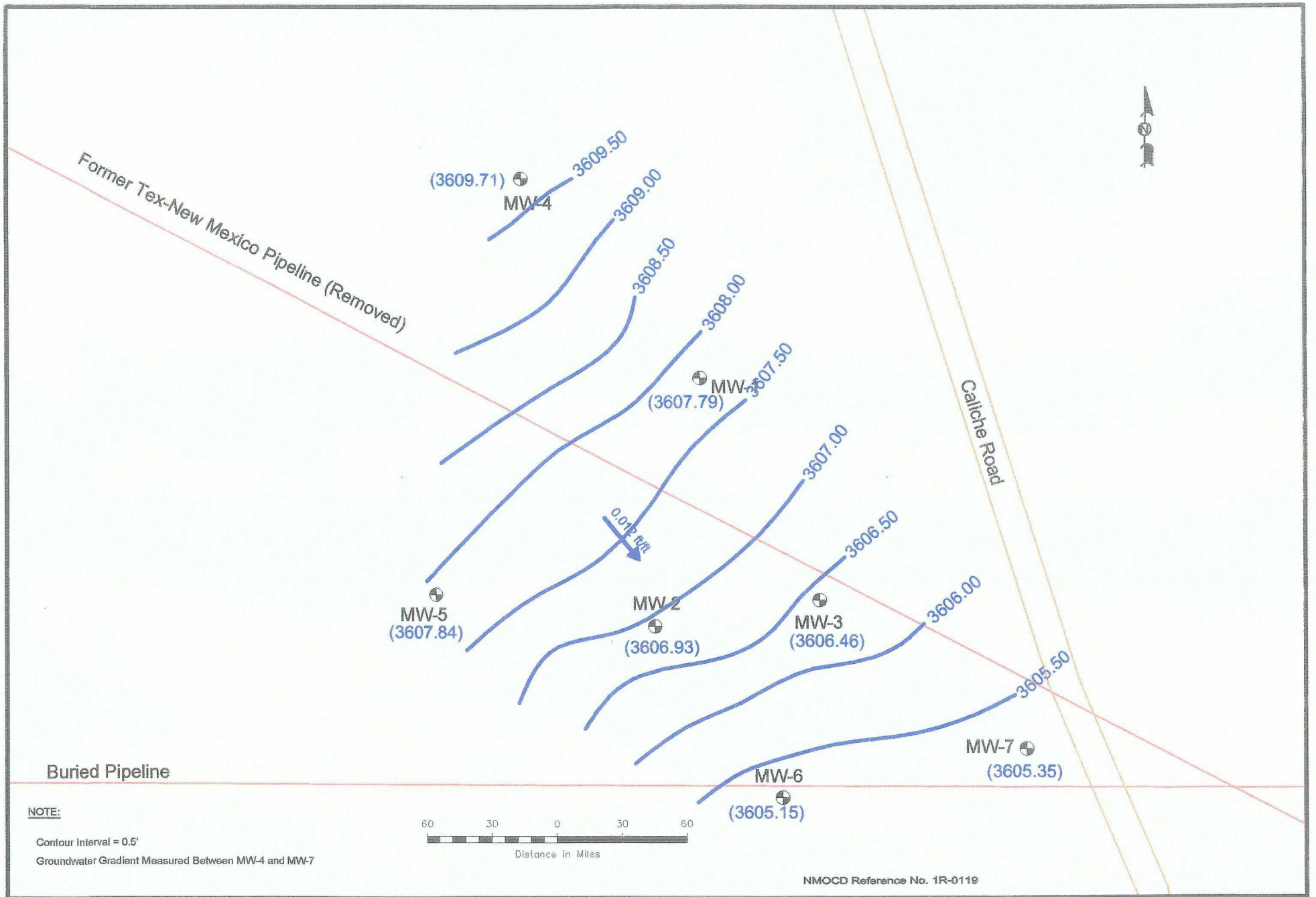
NMOCD Reference #1R-0119

Figure 1
Site Location Map

Plains Marketing, L.P.
Monument 10
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 2000'	Prep By: CDS	Checked By: MRE
February 12, 2005	SE 1/4 NE 1/4 Sec. 30 T19S R37E	
	Lat. N32° 38' 9.2" Long. W103° 17' 2.4"	



NOTE:

Contour Interval = 0.5'

Groundwater Gradient Measured Between MW-4 and MW-7

NMOCD Reference No. 1R-0119

Legend:

- Monitor Well Location
- Pipeline
- Groundwater Elevation Contour Line
- (3606.94) Groundwater Elevation (feet)
- 0.001 ft/ft Groundwater Gradient and Magnitude

Figure 2A
Inferred Groundwater Gradient Map (02/22/07)
Plains Marketing, L.P.
Monument 10
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 60'	CAD By: DGC	Checked By: CDS
February 6, 2008	NE1/4 Section 30 T19S R37E	
	Lat. N32° 38' 14" Long. W103° 17' 4"	

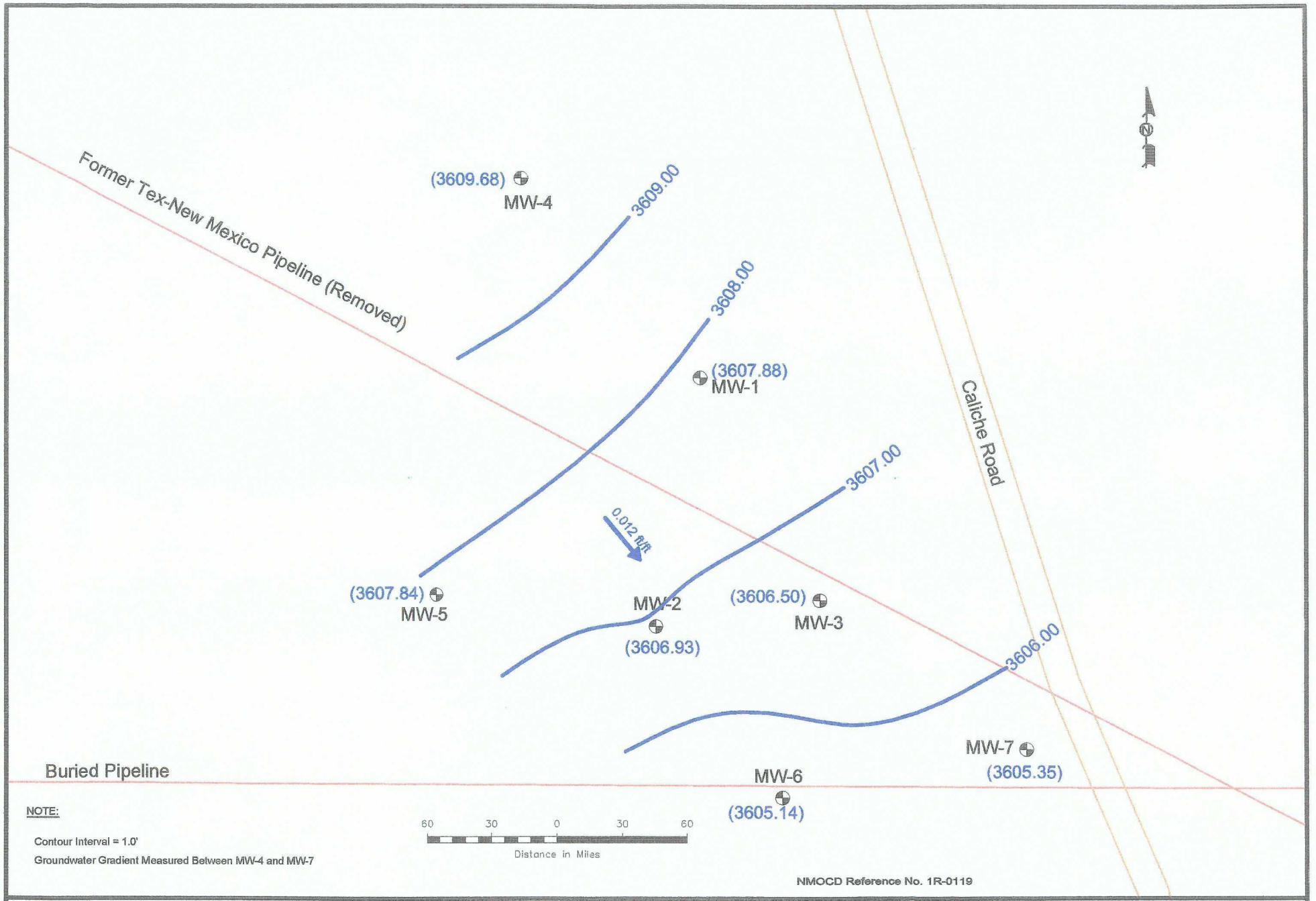


Figure 2B
Inferred Groundwater Gradient Map (05/17/07)
Plains Marketing, L.P.
Monument 10
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 60'	CAD By: DGC	Checked By: CDS
January 30, 2008	NE1/4 Section 30 T19S R37E	
	Lat. N32° 38' 14" Long. W103° 17' 4"	

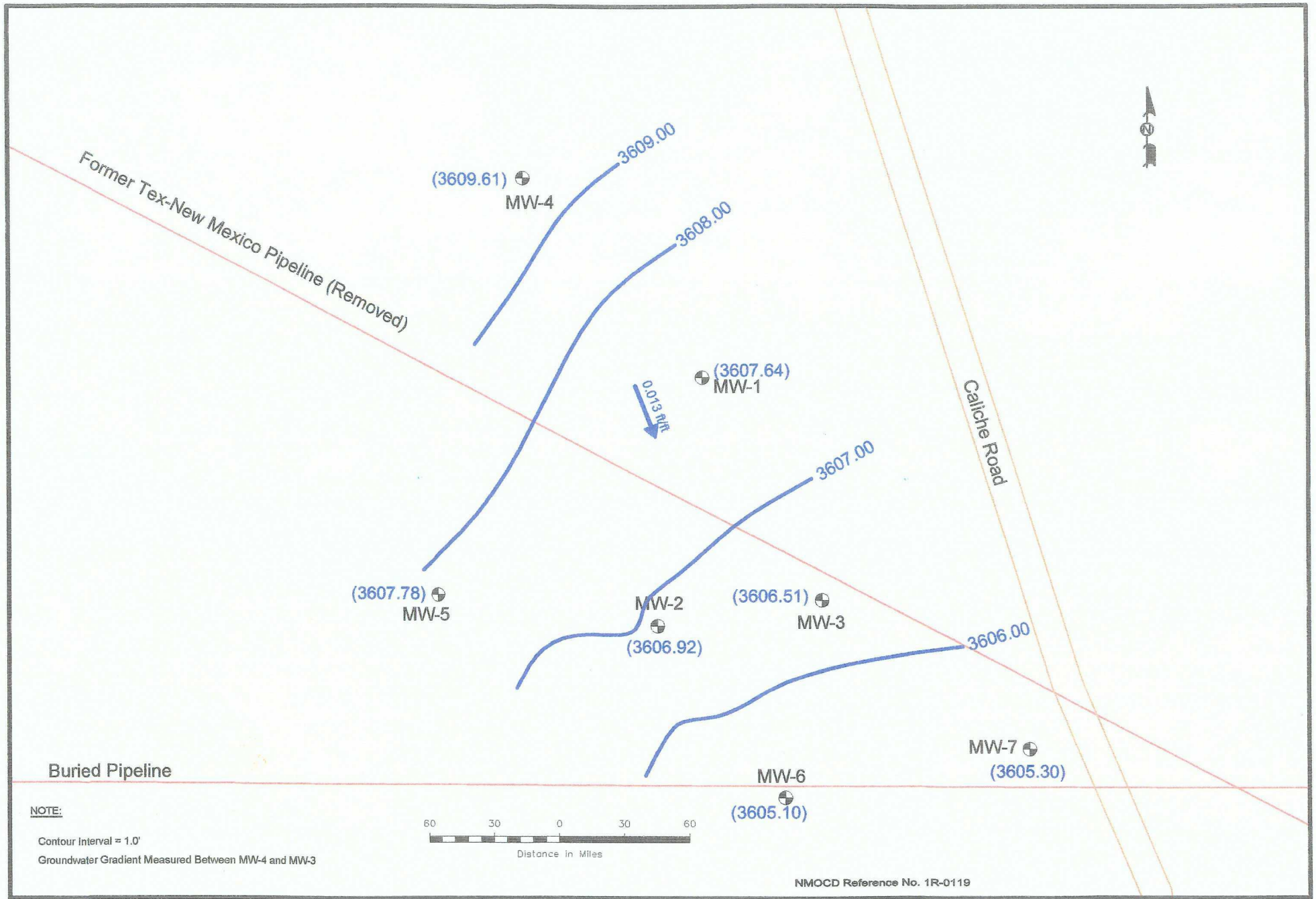
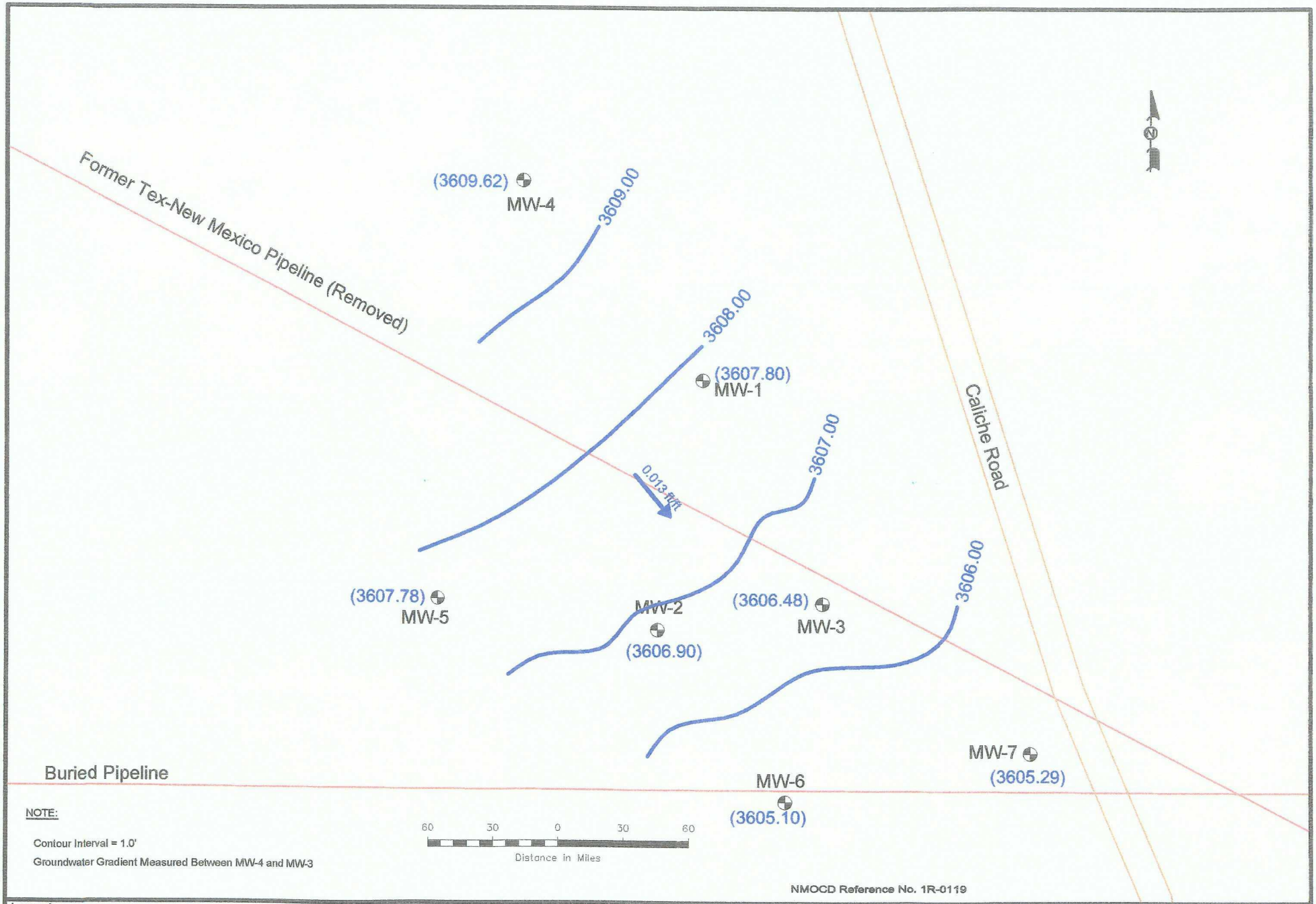
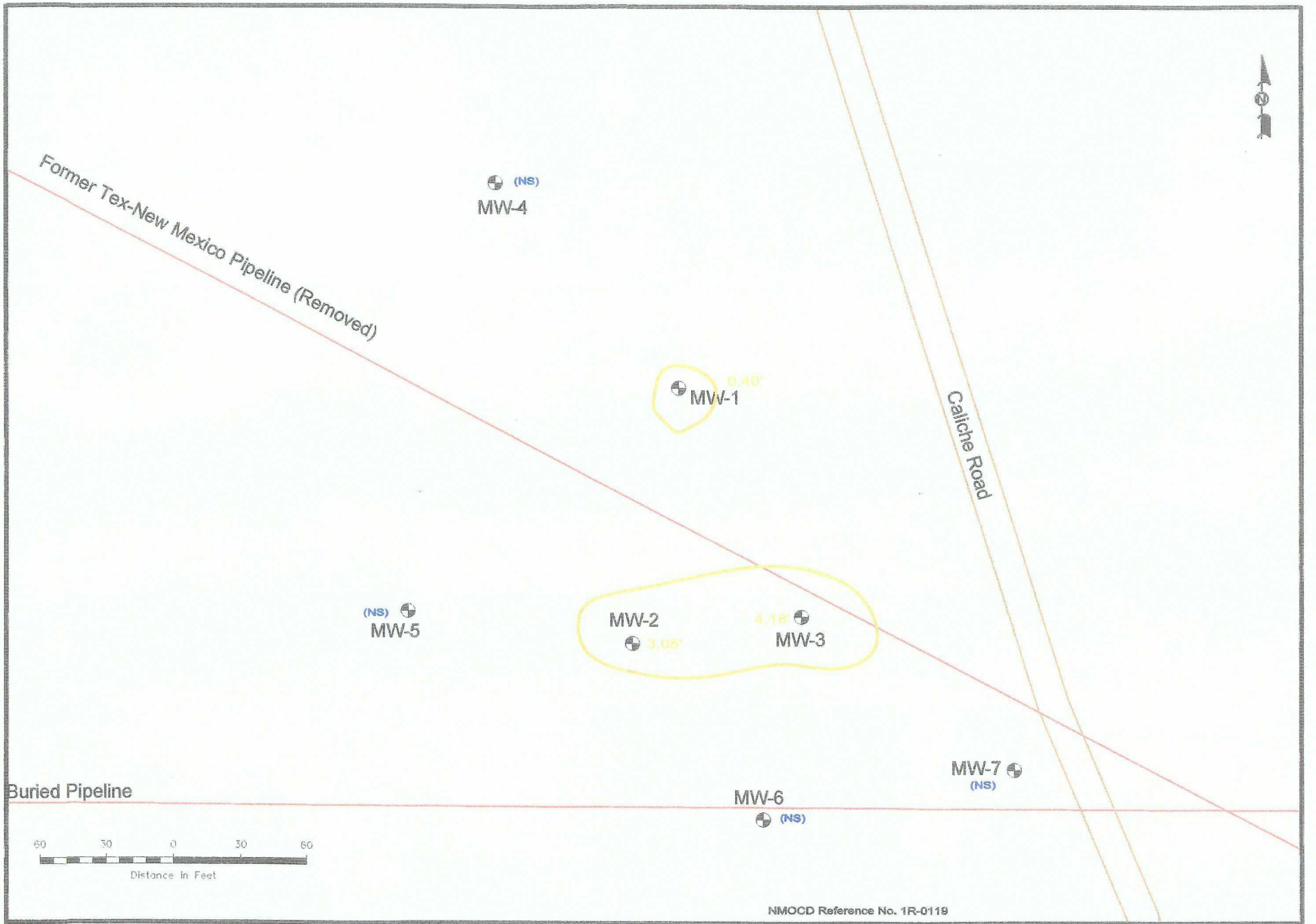


Figure 2C
Inferred Groundwater Gradient Map (08/21/07)
Plains Marketing, L.P.
Monument 10
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 60'	CAD By: DGC	Checked By: CDS
January 30, 2008	NE1/4 Section 30 T19S R37E	
	Lat. N32° 38' 14" Long. W103° 17' 4"	


Former Tex-New Mexico Pipeline (Removed)
(3609.62)
MW-4
3609.00
3608.00
(3607.80)
MW-1
3607.00
0.013 ft/ft
Caliche Road
(3607.78)
MW-5
MW-2
(3606.90)
(3606.48)
MW-3
3606.00
MW-7
(3605.29)
Buried Pipeline
MW-6
(3605.10)
NOTE:
Contour Interval = 1.0'
Groundwater Gradient Measured Between MW-4 and MW-3
60 30 0 30 60
Distance in Miles
NMOCD Reference No. 1R-0119
Legend:
Monitor Well Location
Pipeline
Groundwater Elevation Contour Line
(3606.94) Groundwater Elevation (feet)
0.001 ft/ft Groundwater Gradient and Magnitude
Figure 2D
Inferred Groundwater Gradient Map (11/26/07)
Plains Marketing, L.P.
Monument 10
Lea County, NM
NOVA Safety and Environmental
Scale: 1" = 60'
CAD By: DGC
Checked By: CDS
January 28, 2008
NE1/4 Section 30 T19S R37E
Lat. N32° 38' 14" Long. W103° 17' 4"



NMOCD Reference No. 1R-0119

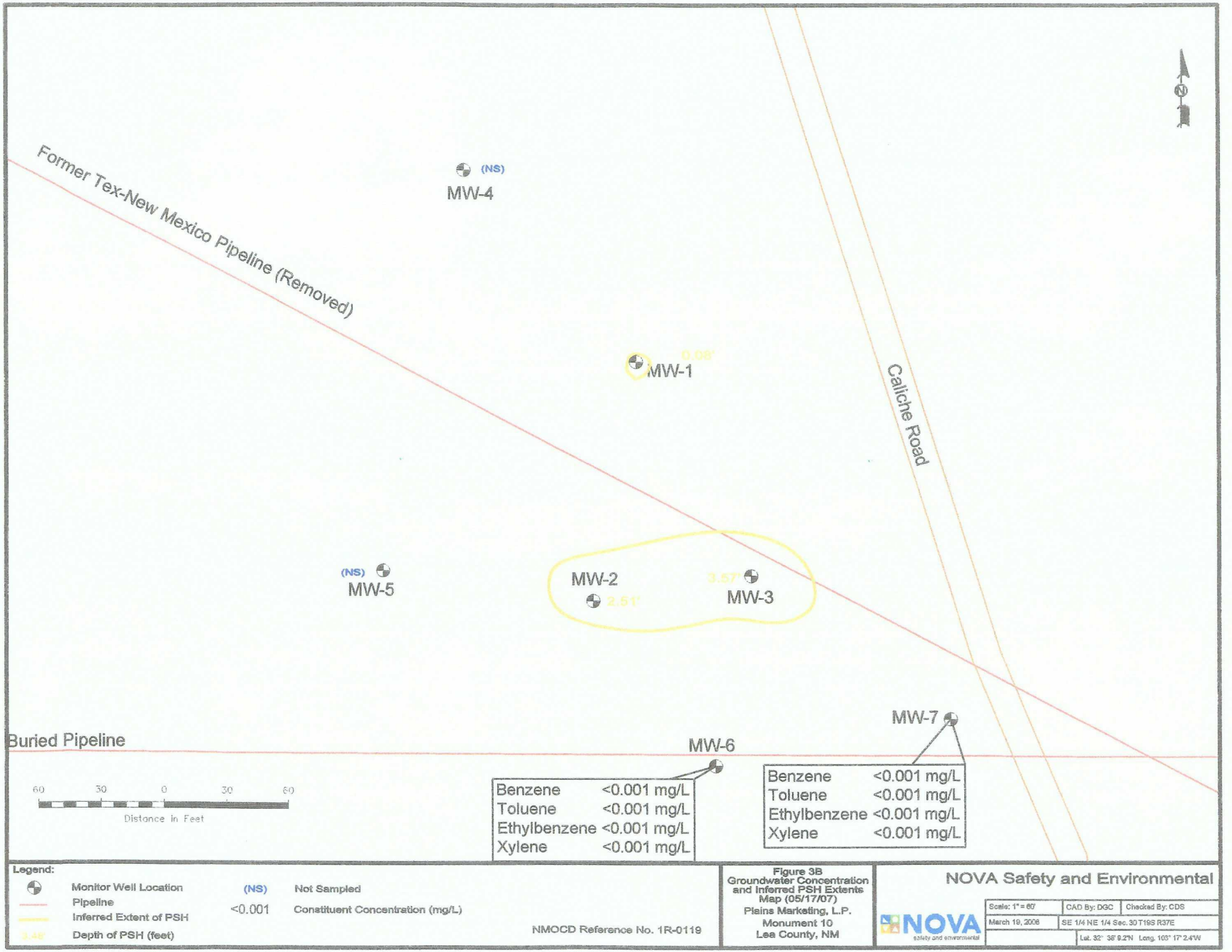
Legend:

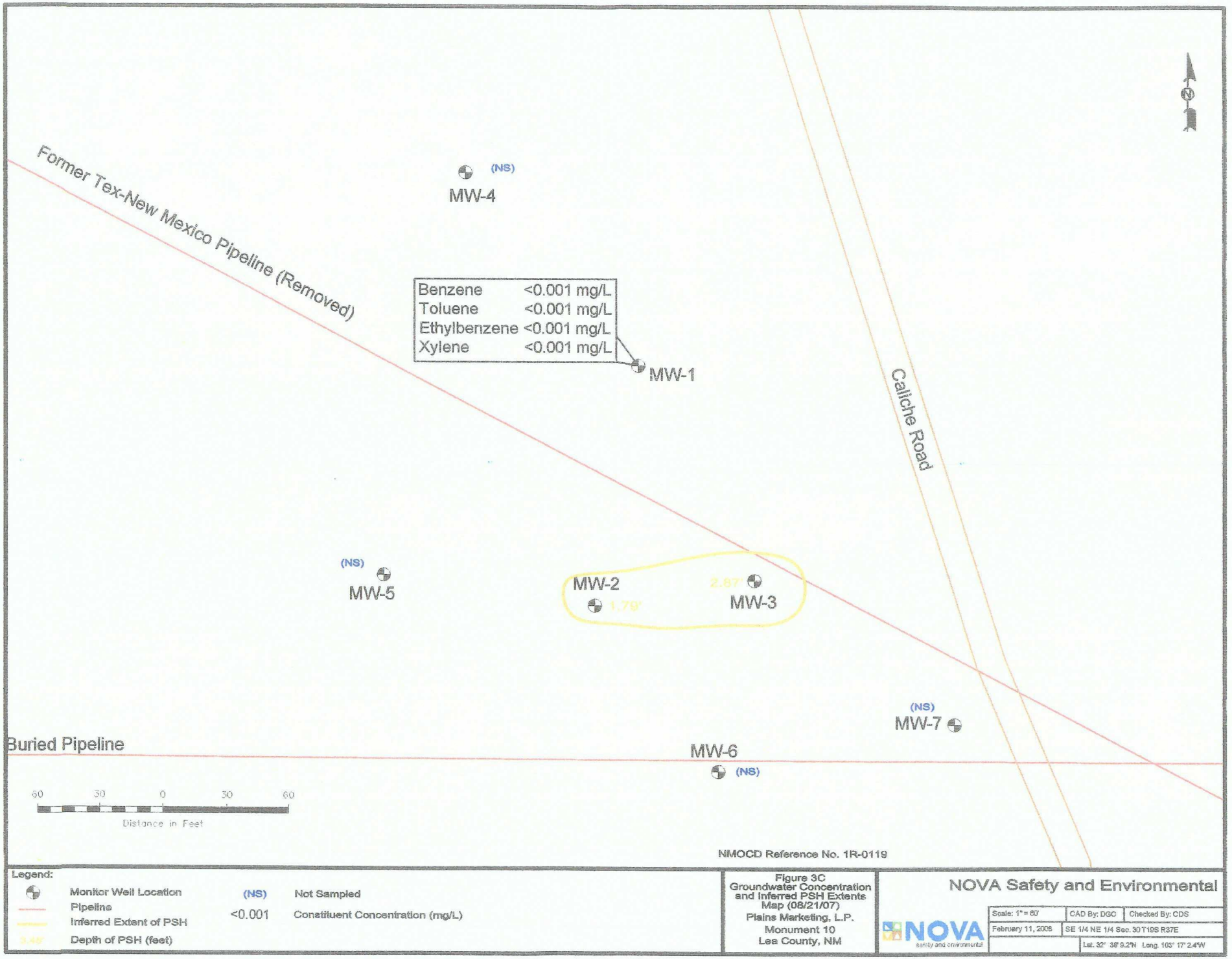
- Monitor Well Location
- Pipeline
- Inferred Extent of PSH
- 3.48' Depth of PSH (feet)
- (NS) Not Sampled
- <0.001 Constituent Concentration (mg/L)

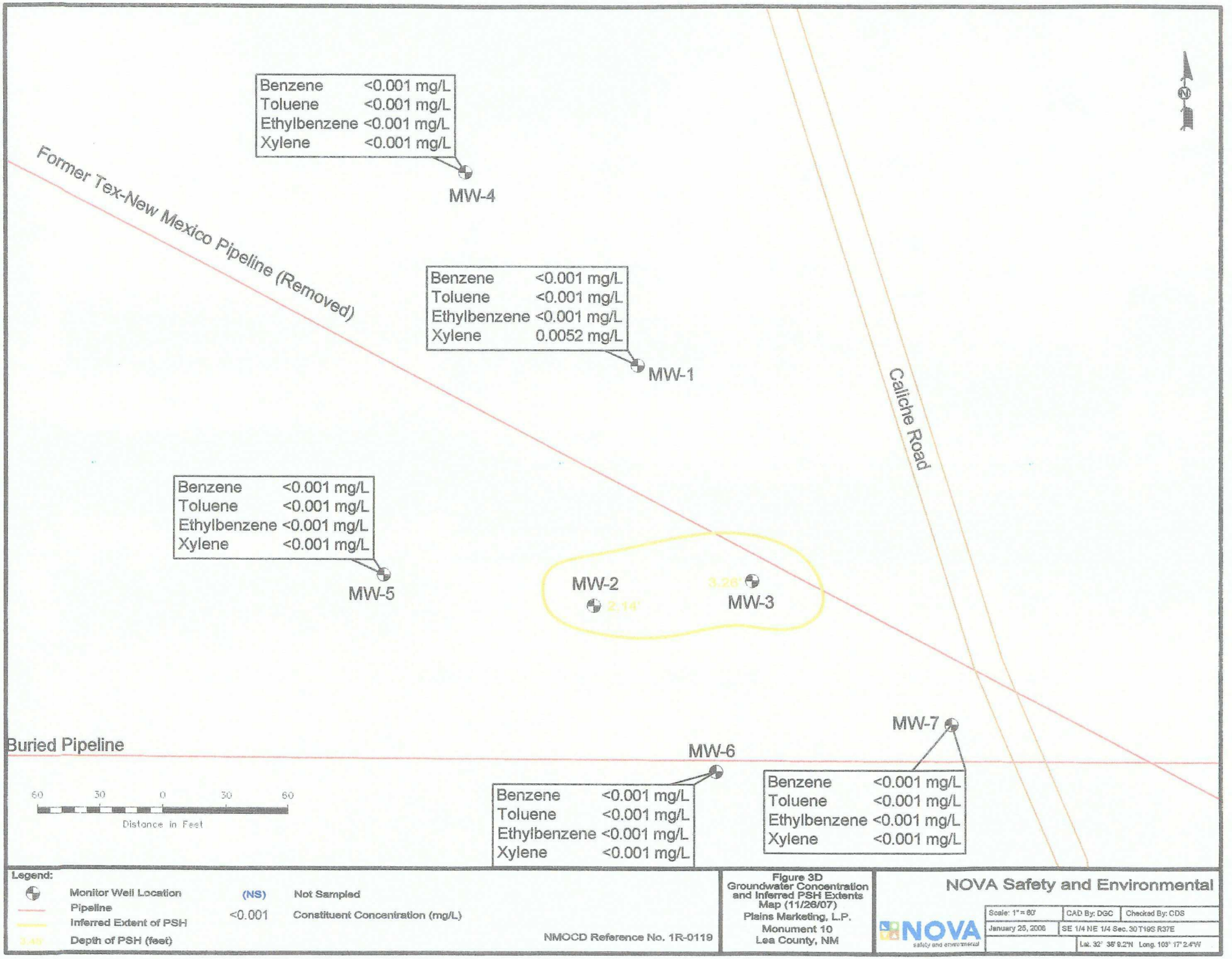
Figure 3A
Groundwater Concentration and Inferred PSH Extents Map (02/22/07)
Plains Marketing, L.P.
Monument 10
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 60'	CAD By: DGC	Checked By: CDS
February 11, 2008	SE 1/4 NE 1/4 Sec. 30 T19S R37E	
	Lat. 32° 38' 9.2"N Long. 103° 17' 2.4"W	


Former Tex-New Mexico Pipeline (Removed)
Caliche Road
Buried Pipeline
(NS)
MW-4
MW-1
0.08'
(NS)
MW-5
MW-2
2.51'
3.57'
MW-3
MW-6
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-7
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
60 30 0 30 60
Distance in Feet
Legend:
Monitor Well Location
Pipeline
Inferred Extent of PSH
Depth of PSH (feet)
(NS) Not Sampled
<0.001 Constituent Concentration (mg/L)
NMOCD Reference No. 1R-0119
Figure 3B
Groundwater Concentration and Inferred PSH Extents Map (05/17/07)
Plains Marketing, L.P.
Monument 10
Lea County, NM
NOVA Safety and Environmental
Scale: 1" = 60'
CAD By: DGC
Checked By: CDS
March 19, 2008
SE 1/4 NE 1/4 Sec. 30 T19S R37E
Lat. 32° 38' 9.2"N Long. 103° 17' 2.4"W


Former Tex-New Mexico Pipeline (Removed)
Caliche Road
Buried Pipeline
MW-4
(NS)
MW-1
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-5
(NS)
MW-2
1.78'
MW-3
2.87'
MW-6
(NS)
MW-7
(NS)
60 30 0 30 60
Distance in Feet
NMOCD Reference No. 1R-0119
Legend:
Monitor Well Location
Pipeline
Inferred Extent of PSH
Depth of PSH (feet)
(NS) Not Sampled
<0.001 Constituent Concentration (mg/L)
Figure 3C
Groundwater Concentration and Inferred PSH Extents Map (08/21/07)
Plains Marketing, L.P.
Monument 10
Lea County, NM
NOVA Safety and Environmental
Scale: 1" = 60'
CAD By: DGC
Checked By: CDS
February 11, 2008
SE 1/4 NE 1/4 Sec. 30 T19S R37E
Lat. 32° 38' 9.2"N Long. 103° 17' 2.4"W


Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-4
Former Tex-New Mexico Pipeline (Removed)
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene 0.0052 mg/L
MW-1
Caliche Road
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-5
MW-2
2.14'
3.26'
MW-3
Buried Pipeline
MW-7
MW-6
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
60 30 0 30 60
Distance in Feet
Legend:
Monitor Well Location
Pipeline
Inferred Extent of PSH
3.45' Depth of PSH (feet)
(NS) Not Sampled
<0.001 Constituent Concentration (mg/L)
NMOCD Reference No. 1R-0119
Figure 3D
Groundwater Concentration and Inferred PSH Extents Map (11/26/07)
Plains Marketing, L.P.
Monument 10
Lea County, NM
NOVA Safety and Environmental
NOVA safety and environmental
Scale: 1" = 60'
CAD By: DGC
Checked By: CDS
January 25, 2008
SE 1/4 NE 1/4 Sec. 30 T19S R37E
Lat. 32° 38' 9.2"N Long. 103° 17' 2.4"W

Tables

TABLE 1

2007 GROUNDWATER ELEVATION DATA

PLAIN MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-1	01/31/07	3,629.33	21.35	21.80	0.45	3,607.91
	02/07/07	3,629.33	21.41	21.49	0.08	3,607.91
	02/22/07	3,629.33	21.48	21.88	0.40	3,607.79
	03/07/07	3,629.33	21.39	21.54	0.15	3,607.92
	03/29/07	3,629.33	21.44	21.47	0.03	3,607.89
	04/02/07	3,629.33	21.68	21.74	0.06	3,607.64
	04/30/07	3,629.33	21.41	21.45	0.04	3,607.91
	05/17/07	3,629.33	21.44	21.52	0.08	3,607.88
	06/20/07	3,629.33	21.47	21.54	0.07	3,607.85
	06/29/07	3,629.33	sheen	21.71	0.00	3,607.62
	07/02/07	3,629.33	sheen	21.59	0.00	3,607.74
	08/01/07	3,629.33	sheen	21.63	0.00	3,607.70
	08/09/07	3,629.33	sheen	21.66	0.00	3,607.67
	08/21/07	3,629.33	sheen	21.69	0.00	3,607.64
	09/18/07	3,629.33	sheen	21.73	0.00	3,607.60
	10/03/07	3,629.33	sheen	21.65	0.00	3,607.68
	10/10/07	3,629.33	sheen	21.62	0.00	3,607.71
	10/17/07	3,629.33	sheen	21.58	0.00	3,607.75
	11/26/07	3,629.33	sheen	21.53	0.00	3,607.80
MW-2	01/31/07	3,629.43	21.88	25.56	3.68	3,607.00
	02/07/07	3,629.43	21.99	24.93	2.94	3,607.00
	02/22/07	3,629.43	22.04	25.09	3.05	3,606.93
	03/07/07	3,629.43	21.56	25.36	3.80	3,607.30
	03/27/07	3,629.43	22.10	24.53	2.43	3,606.97
	04/02/07	3,629.43	22.18	24.38	2.20	3,606.92
	04/11/07	3,629.43	22.11	24.55	2.44	3,606.95
	04/16/07	3,629.43	22.12	24.17	2.05	3,607.00
	04/23/07	3,629.43	22.15	24.29	2.14	3,606.96
	04/27/07	3,629.43	22.21	23.92	1.71	3,606.96
	04/30/07	3,629.43	22.23	23.60	1.37	3,606.99
	05/17/07	3,629.43	22.12	24.63	2.51	3,606.93
	05/18/07	3,629.43	21.07	24.69	3.62	3,607.82
	06/07/07	3,629.43	22.07	24.90	2.83	3,606.94
	06/12/07	3,629.43	22.17	24.20	2.03	3,606.96
	06/20/07	3,629.43	22.19	24.33	2.14	3,606.92
	06/29/07	3,629.43	22.17	24.34	2.17	3,606.93
	07/02/07	3,629.43	22.24	23.94	1.70	3,606.94
	07/11/07	3,629.43	22.19	24.24	2.05	3,606.93
	07/18/07	3,629.43	22.21	24.16	1.95	3,606.93
	07/24/07	3,629.43	22.25	23.87	1.62	3,606.94
	08/01/07	3,629.43	22.24	24.12	1.88	3,606.91
	08/09/07	3,629.43	22.22	24.11	1.89	3,606.93
	08/14/07	3,629.43	22.26	23.83	1.57	3,606.93
	08/21/07	3,629.43	22.24	24.03	1.79	3,606.92
	08/25/07	3,629.43	22.21	24.34	2.13	3,606.90
	08/29/07	3,629.43	22.29	23.75	1.46	3,606.92
	09/05/07	3,629.43	22.26	23.93	1.67	3,606.92
	09/18/07	3,629.43	22.19	24.44	2.25	3,606.90
	09/26/07	3,629.43	22.21	24.22	2.01	3,606.92
	10/03/07	3,629.43	22.22	24.32	2.10	3,606.90
	10/10/07	3,629.43	22.20	24.10	1.90	3,606.95
	10/17/07	3,629.43	22.18	24.31	2.13	3,606.93
	11/07/07	3,629.43	22.10	24.76	2.66	3,606.93
	11/16/07	3,629.43	22.17	24.44	2.27	3,606.92

TABLE 1

2007 GROUNDWATER ELEVATION DATA

PLAIN MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-2	*11/26/07*	3,629.43	22.21	24.35	2.14	3,606.90
	11/30/07	3,629.43	22.15	24.59	2.44	3,606.91
	12/07/07	3,629.43	22.19	24.22	2.03	3,606.94
	12/18/07	3,629.43	22.19	24.43	2.24	3,606.90
MW-3	01/31/07	3,628.90	21.64	26.17	4.53	3,606.58
	02/07/07	3,628.90	21.70	25.80	4.10	3,606.59
	02/22/07	3,628.90	21.81	25.99	4.18	3,606.46
	03/07/07	3,628.90	21.64	26.00	4.36	3,606.61
	03/27/07	3,628.90	21.82	25.59	3.77	3,606.51
	04/02/07	3,628.90	21.83	25.73	3.90	3,606.49
	04/11/07	3,628.90	21.82	25.62	3.80	3,606.51
	04/16/07	3,628.90	21.87	25.21	3.34	3,606.53
	04/23/07	3,628.90	21.87	25.30	3.43	3,606.52
	04/27/07	3,628.90	21.92	24.87	2.95	3,606.54
	04/30/07	3,628.90	21.93	24.51	2.58	3,606.58
	05/17/07	3,628.90	21.86	25.43	3.57	3,606.50
	05/18/07	3,628.90	21.82	24.45	2.63	3,606.69
	06/07/07	3,628.90	21.83	25.66	3.83	3,606.50
	06/12/07	3,628.90	21.88	25.16	3.28	3,606.53
	06/20/07	3,628.90	21.89	25.21	3.32	3,606.51
	06/29/07	3,628.90	21.86	25.34	3.48	3,606.52
	07/02/07	3,628.90	21.94	24.77	2.83	3,606.54
	07/11/07	3,628.90	21.89	25.25	3.36	3,606.51
	07/18/07	3,628.90	21.94	25.08	3.14	3,606.49
	07/24/07	3,628.90	21.96	24.96	3.00	3,606.49
	08/01/07	3,628.90	21.96	25.02	3.06	3,606.48
	08/09/07	3,628.90	21.96	25.05	3.09	3,606.48
	08/14/07	3,628.90	22.00	24.74	2.74	3,606.49
	08/21/07	3,628.90	21.96	24.83	2.87	3,606.51
	08/25/07	3,628.90	21.96	25.14	3.18	3,606.46
	08/29/07	3,628.90	22.02	24.63	2.61	3,606.49
	09/05/07	3,628.90	21.98	24.76	2.78	3,606.50
	09/18/07	3,628.90	21.93	25.18	3.25	3,606.48
	09/26/07	3,628.90	21.96	25.06	3.10	3,606.48
	10/03/07	3,628.90	21.93	25.12	3.19	3,606.49
	10/10/07	3,628.90	21.91	25.09	3.18	3,606.51
	10/17/07	3,628.90	21.90	25.14	3.24	3,606.51
	11/07/07	3,628.90	21.90	25.26	3.36	3,606.50
	11/16/07	3,628.90	21.90	25.21	3.31	3,606.50
	11/26/07	3,628.90	21.93	25.19	3.26	3,606.48
	11/30/07	3,628.90	21.90	25.36	3.46	3,606.48
	12/07/07	3,628.90	21.93	25.11	3.18	3,606.49
	12/18/07	3,628.90	21.92	25.92	4.00	3,606.38
MW-4	*02/22/07*	3,629.97	-	20.26	0.00	3,609.71
	05/17/07	3,629.97	-	20.29	0.00	3,609.68
	08/21/07	3,629.97	-	20.36	0.00	3,609.61
	11/26/07	3,629.97	-	20.35	0.00	3,609.62
MW-5	*02/22/07*	3,629.36	-	21.52	0.00	3,607.84
	05/17/07	3,629.36	-	21.52	0.00	3,607.84
	08/21/07	3,629.36	-	21.58	0.00	3,607.78
	11/26/07	3,629.36	-	21.58	0.00	3,607.78

TABLE 1

2007 GROUNDWATER ELEVATION DATA

PLAIN MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-6	*02/22/07*	3,629.17	-	24.02	0.00	3,605.15
	05/17/07	3,629.17	-	24.03	0.00	3,605.14
	08/21/07	3,629.17	-	24.07	0.00	3,605.10
	11/26/07	3,629.17	-	24.07	0.00	3,605.10
MW-7	*02/22/07*	3,628.07	-	22.74	0.00	3,605.33
	05/17/07	3,628.07	-	22.72	0.00	3,605.35
	08/21/07	3,628.07	-	22.77	0.00	3,605.30
	11/26/07	3,628.07	-	22.78	0.00	3,605.29

TABLE 2

2007 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62	
MW-1	02/22/07	Not sampled Due to PSH in Well				
	05/17/07	Not Sampled on Current Sample Schedule				
	08/21/07	<0.001	<0.001	<0.001	<0.001	
	11/26/07	<0.001	<0.001	<0.001	0.0052	
MW-2	02/22/07	Not sampled Due to PSH in Well				
	05/17/07	Not sampled Due to PSH in Well				
	08/21/07	Not sampled Due to PSH in Well				
	11/26/07	Not sampled Due to PSH in Well				
MW-3	02/22/07	Not sampled Due to PSH in Well				
	05/17/07	Not sampled Due to PSH in Well				
	08/21/07	Not sampled Due to PSH in Well				
	11/26/07	Not sampled Due to PSH in Well				
MW-4	02/22/07	Not Sampled on Current Sample Schedule				
	05/17/07	Not Sampled on Current Sample Schedule				
	08/21/07	Not Sampled on Current Sample Schedule				
	11/26/07	<0.001	<0.001	<0.001	<0.001	
MW-5	02/22/07	Not Sampled on Current Sample Schedule				
	05/17/07	Not Sampled on Current Sample Schedule				
	08/21/07	Not Sampled on Current Sample Schedule				
	11/26/07	<0.001	<0.001	<0.001	<0.001	
MW-6	02/22/07	Not Sampled on Current Sample Schedule				
	05/17/07	<0.001	<0.001	<0.001	<0.001	
	08/21/07	Not Sampled on Current Sample Schedule				
	11/26/07	<0.001	<0.001	<0.001	<0.001	
MW-7	02/22/07	Not Sampled on Current Sample Schedule				
	05/17/07	<0.001	<0.001	<0.001	<0.001	
	08/21/07	Not Sampled on Current Sample Schedule				
	11/26/07	0.0031	<0.001	<0.001	<0.001	

Appendices

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

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company	Plains Pipeline, LP	Contact:	Camille Reynolds
Address:	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	505-441-0965
Facility Name	Monument #10	Facility Type:	Steel Pipeline

Surface Owner: New Mexico State Land	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
H	30	19S	37E					Lea

Latitude 32 degrees 38' 9.2" **Longitude** 103 degrees 17' 2.4"

NATURE OF RELEASE

Type of Release:	Volume of Release:	Volume Recovered
Source of Release:	Date and Hour of Occurrence Unknown	Date and Hour of Discovery
Was Immediate Notice Given? Yes ☐ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.*

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

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

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

* Attach Additional Sheets If Necessary