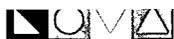


1R - 119

**Annual GW Mon.
REPORTS**

DATE:

2009



2009
ANNUAL MONITORING REPORT

RECEIVED

FEB 16 2010

Environmental Bureau
Oil Conservation Division

MONUMENT 10
SE ¼ NE¼ Section 30, Township 19 South, Range 37 East
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: TNM MONUMENT-10
NMOCD Reference Number 1R-0119

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

February 2010


Ronald K. Rounsaville
Senior Project Manager

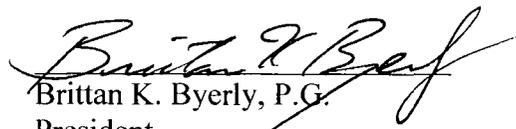

Brittan K. Byerly, P.G.
President

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3C – Groundwater Concentration and Inferred PSH Extent Map – August 15, 2009

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Table 2 – 2009 Concentrations of BTEX and TPH in Groundwater

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APPENDICES

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

ENCLOSED ON DATA DISK

2009 Annual Monitoring Report

2009 Tables 1, 2 and 3 – Groundwater Elevation, BTEX, TPH and PAH Concentration Data

2009 Figures 1, 2A-2D, and 3A-3D

Electronic Copies of Laboratory Reports

Historic Table 1 and 2 – Groundwater Elevation and BTEX, TPH, PAH Concentration Tables

Historic Table 1 and 2 – Groundwater Elevation and BTEX, TPH, PAH Concentration Tables

INTRODUCTION

On behalf of Plains Marketing, L.P., (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. Beginning on May 29, 2004, project management responsibilities were assumed by NOVA. The Monument 10 Site (the site), formally 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, attachments, tables and text. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2009 only. For reference, the Site Location Map is provided as Figure 1. Cumulative tables and laboratory data are provided on the enclosed data disk.

Groundwater monitoring was conducted each quarter of 2009 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). The groundwater monitoring events consisted of measuring static water levels in the monitor wells, checking for the presence of PSH 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 legal description of the site is SE ¼ NE¼ 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-2 and MW-3.

FIELD ACTIVITIES

Product Recovery Efforts

During the reporting period, monitor wells MW-2 and MW-3 exhibited measurable thicknesses of PSH. The average PSH thickness for the year from the two monitor wells displaying PSH was 2.05 feet. The maximum measured PSH thickness of 3.59 feet was observed in monitor well MW-3 on January, 7, 2009. Approximately 240 gallons (approximately 5.7 barrels) of PSH were recovered from the site during the reporting period. Approximately 1,640 gallons (approximately 39 barrels) of PSH have been recovered from this site since the 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.

Groundwater Monitoring

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 13, May 20, August 15, and November 6, 2009. 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 Proactive Mini-Monsoon 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 2009, are depicted on the Inferred Groundwater Gradient Maps, Figures 2A-2D. Groundwater elevation data for 2009 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 0.010 feet/foot to the southeast as measured between monitor wells MW-3 and MW-4. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3,605.03 and 3,609.59 feet above mean sea level, in monitor well MW-6 on May 20, 2009 and monitor well MW-4 on November 6, 2009, respectively.

LABORATORY RESULTS

Monitor wells MW-2 and MW-3 contained PSH during all four quarters of the reporting period. Plains, at the request of the NMOCD, collected groundwater samples below PSH levels in all monitor wells containing PSH during the 4th quarter sampling event.

Groundwater samples obtained during the quarterly sampling events of 2009 were delivered to Trace Analysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021B, and Polynuclear Aromatic Hydrocarbons (PAH) concentrations by EPA Method 8270C. Monitoring wells containing measurable amounts of PSH were analyzed for Total Petroleum Hydrocarbons (TPH) concentrations by EPA Method 8015M. A listing of BTEX and TPH constituent concentrations for 2009 are summarized in Table 2 and the PAH constituent concentrations for 2009 are

summarized in Table 3. Copies of the laboratory reports generated for 2009 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 during the 4th quarter, but was inadvertently also sampled during the 1st quarter of the reporting period. Analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 1st quarter to 0.0035 mg/L during the 4th quarter of 2009. Toluene, ethyl-benzene and xylene concentrations were below MDL and NMOCD regulatory standards during the 1st and 4th quarter sampling events. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-2 is monitored on a quarterly schedule. Monitor well MW-2 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.57 feet, 2.36 feet and 1.36 feet were reported during the 1st, 2nd and 3rd quarters of 2009, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 0.0201 mg/L. Toluene and ethyl-benzene concentrations were below MDL and NMOCD regulatory standards during the 4th quarter of 2009. Xylene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.0584 mg/L. Analytical results indicated a total TPH result of 12.0 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards of 1-methylnaphthalene (0.112 mg/L) and 2-methylnaphthalene (0.0699 mg/L). Additional PAH constituents detected above MDLs include naphthalene (0.0190 mg/L), fluorene (0.0152 mg/L), phenanthrene (0.0198 mg/L) and dibenzofuran (0.0119 mg/L), which are below the WQCC Drinking Water Standards.

Monitor well MW-3 is monitored on a quarterly schedule. Monitor well MW-3 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 2.10 feet, 3.29 feet and 2.03 feet were reported during the 1st, 2nd and 3rd quarters of 2009, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 0.0594 mg/L. Toluene and ethyl-benzene concentrations were below MDL and NMOCD regulatory standards during the 4th quarter of 2009. Xylene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.0604 mg/L. Analytical results indicated a total TPH result of 150.0 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards of 1-methylnaphthalene (0.105 mg/L) and 2-methylnaphthalene (0.0896 mg/L). Additional PAH constituents detected above MDLs include naphthalene (0.0178 mg/L), fluorene (0.0134 mg/L), phenanthrene (0.0216 mg/L) and dibenzofuran (0.0113 mg/L), which are below the WQCC Drinking Water Standards.

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 twenty-eight consecutive monitoring events below NMOCD regulatory limits. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

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 thirty-one consecutive monitoring events below NMOCD regulatory limits. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

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 twenty-nine consecutive monitoring events below NMOCD regulatory limits. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-7 is sampled on a semi-annual schedule. Analytical results indicate benzene concentrations ranged from 0.0013 mg/L during the 4th quarter to 0.0071 mg/L during the 2nd quarter of 2009. Toluene, ethyl-benzene and xylene concentrations were below MDL and NMOCD regulatory standards during the 2nd and 4th quarter sampling events. Monitor well MW-7 has exhibited thirty-four consecutive monitoring events below NMOCD regulatory limits. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

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 2009 annual monitoring period. Currently, there are seven groundwater monitor wells present at the site. 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 during the 1st, 2nd and 3rd quarters of the reporting period. 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 0.010 feet/foot to the southeast.

Approximately 240 gallons (approximately 5.7 barrels) of PSH were recovered from the site during the reporting period. Approximately 1,640 gallons (approximately 39 barrels) of PSH have been recovered from this site since the project inception.

Review of the laboratory analytical results of the groundwater samples obtained during the reporting period indicated BTEX constituent concentrations remain below applicable NMOCD regulatory standards in five of the seven site monitor wells. At this time, dissolved phase impact appears to be limited to monitor wells MW-2 and MW-3. Groundwater samples from monitor wells MW-2 and MW-3 exhibited elevated TPH concentrations for GRO and DRO. Review of PAH analysis indicates a decreasing trend in constituent concentrations in monitor wells MW-2 and MW-3 as compared to the 2008 PAH analytical data.

ANTICIPATED ACTIONS

Quarterly monitoring, aggressive PSH recovery and groundwater sampling will continue in 2010. Manual product recovery and gauging well be conducted on a weekly schedule and will be adjusted according to site conditions.

Based on the results of the PAH analysis over the past several years, NOVA recommends that further PAH analysis be conducted only on those monitor wells (MW-2 and MW-3) which have historically exhibited elevated constituents near or above the WQCC standards.

An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2011.

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
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Santa Fe, NM 87505

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rrounsaville@novatraining.cc

Figures



NOVA Safety and Environmental

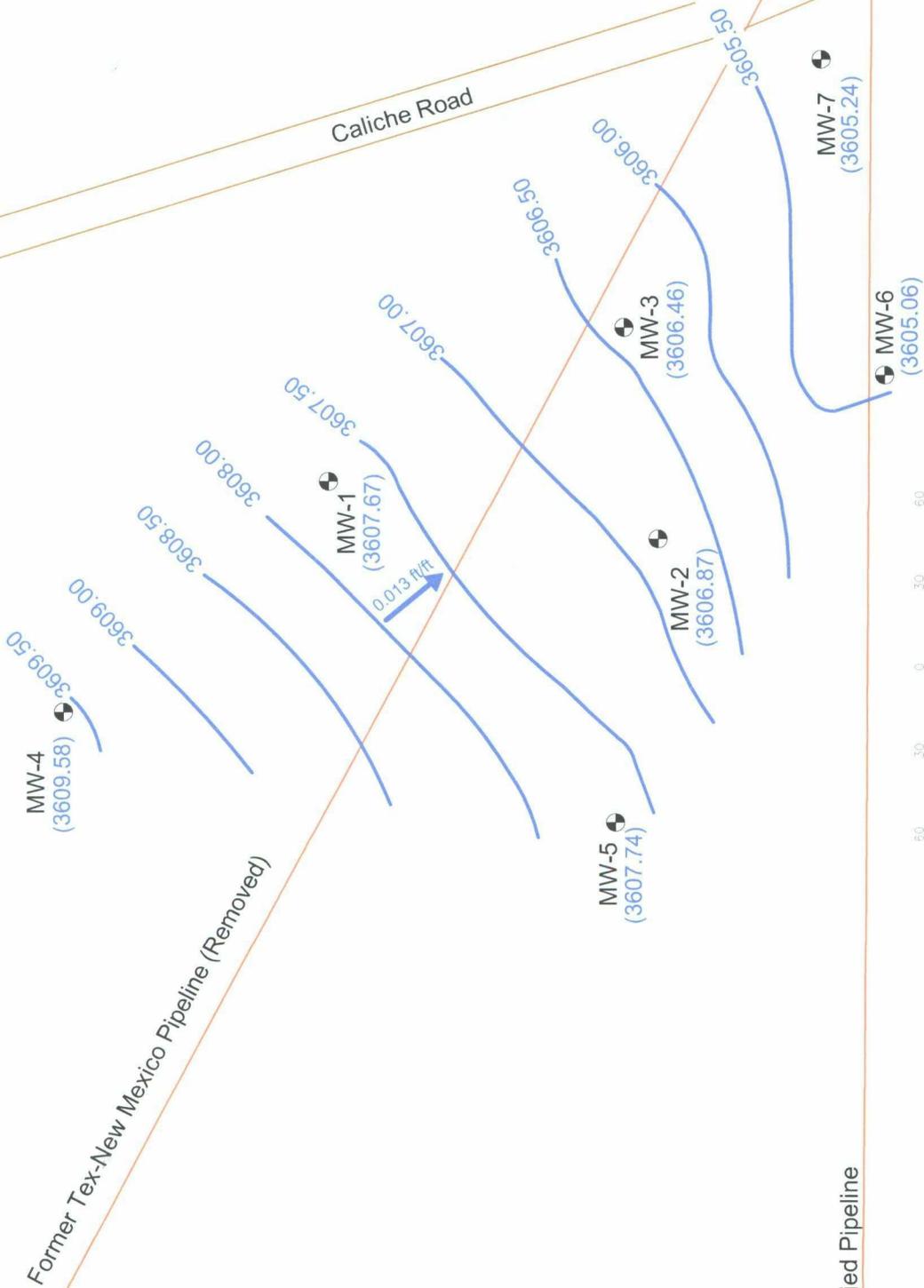
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 February 12, 2005 | SE 1/4 NE 1/4 Sec. 30 T19S R37E
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Figure 1
 Site Location Map
 Plains Marketing, L.P.
 Monument 10
 Lea County, NM

NMOC Reference #1R-0119





NOTE:
 Contour Interval = 0.5'
 Groundwater Gradient Measured Between MW-4 and MW-3

- Legend:**
- Monitor Well Location
 - Pipeline
 - Groundwater Elevation Contour Line
 - Groundwater Gradient and Magnitude

Figure 2A
 Inferred Groundwater
 Gradient Map (02/13/09)
 Plains Marketing, L.P.
 Monument 10
 Lea County, NM

NMOC Reference No. 1R-0119

NOVA Safety and Environmental

Scale: 1" = 60'
 February 23, 2009
 NE 1/4 Section 30 T19S R37E

CAD By: SAT
 Checked By: T.J.L.

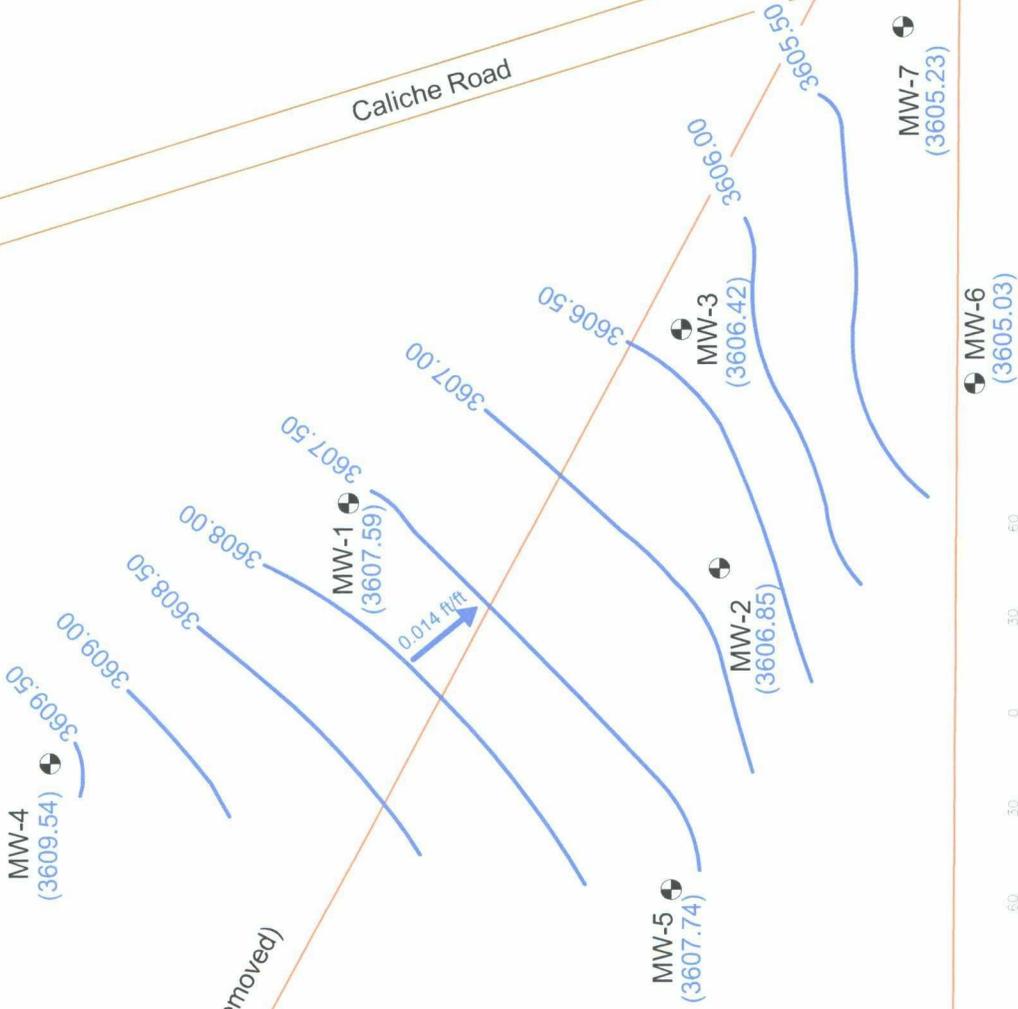
NOVA
 safety and environmental

Lat: N32° 38' 14" Long: W103° 17' 4"



Former Tex-New Mexico Pipeline (Removed)

Caliche Road



Buried Pipeline

NOTE:

Contour Interval = 0.5'

Groundwater Gradient Measured Between MW-4 and MW-6



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

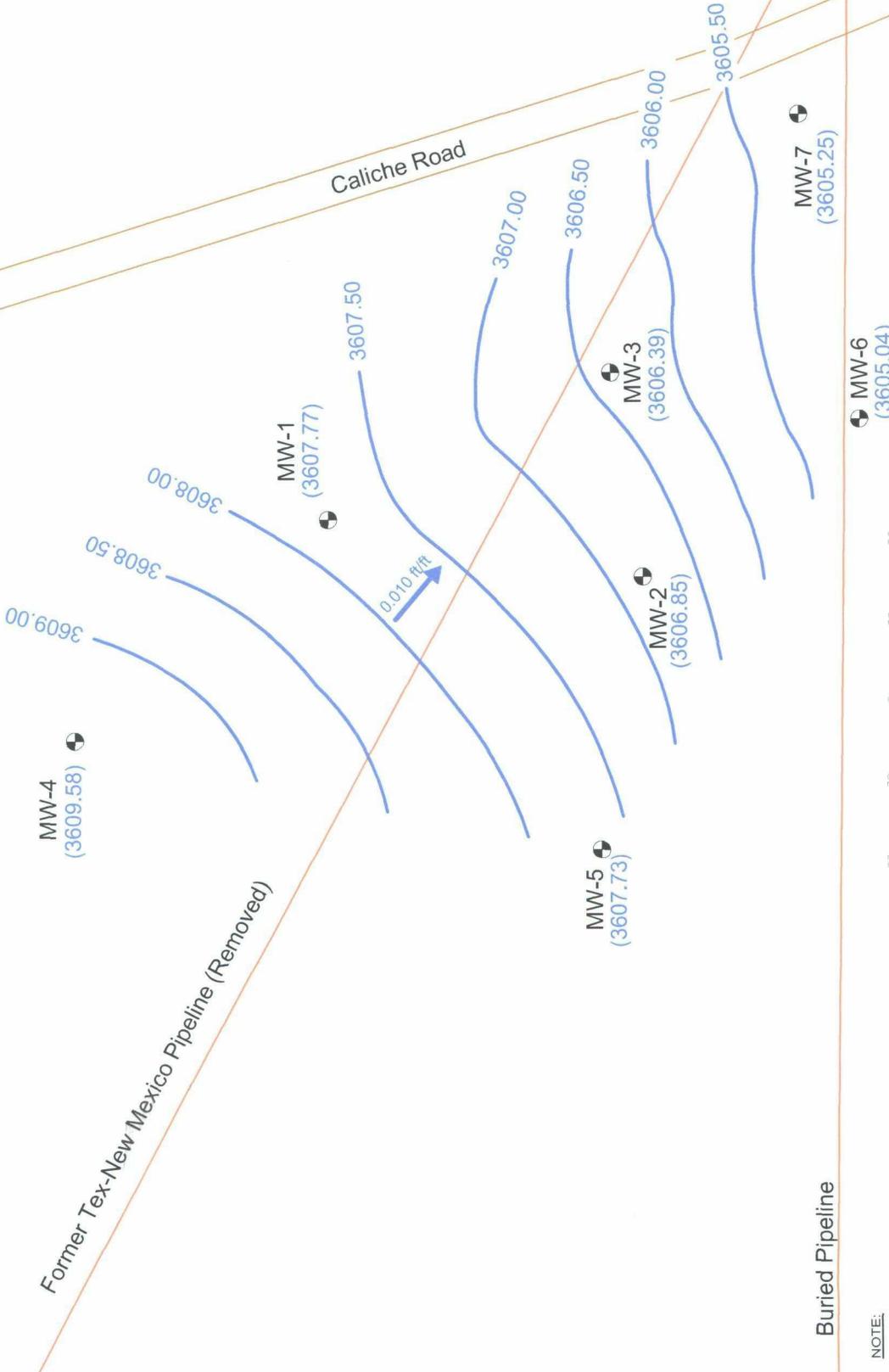
Figure 2B
 Inferred Groundwater
 Gradient Map (05/20/09)
 Plains Marketing, L.P.
 Monument 10
 Lea County, NM

NOVA Safety and Environmental

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June 10, 2009	NE 1/4 Section 30, T19S R37E	



Lat: N32° 38' 14" Long: W103° 17' 4"



Former Tex-New Mexico Pipeline (Removed)

Caliche Road

Buried Pipeline

NOTE:

Contour Interval = 0.5'

Groundwater Gradient Measured Between MW-4 and MW-3



Legend:

Monitor Well Location

Pipeline

Groundwater Elevation Contour Line

(3606.94) Groundwater Elevation (feet)

0.001 ft/ft Groundwater Gradient and Magnitude

Figure 2C
Inferred Groundwater
Gradient Map
(08/15/2009)
Plains Marketing, L.P.
Monument 10
Lea County, NM

NMOC Reference No. TR-0119

NOVA Safety and Environmental



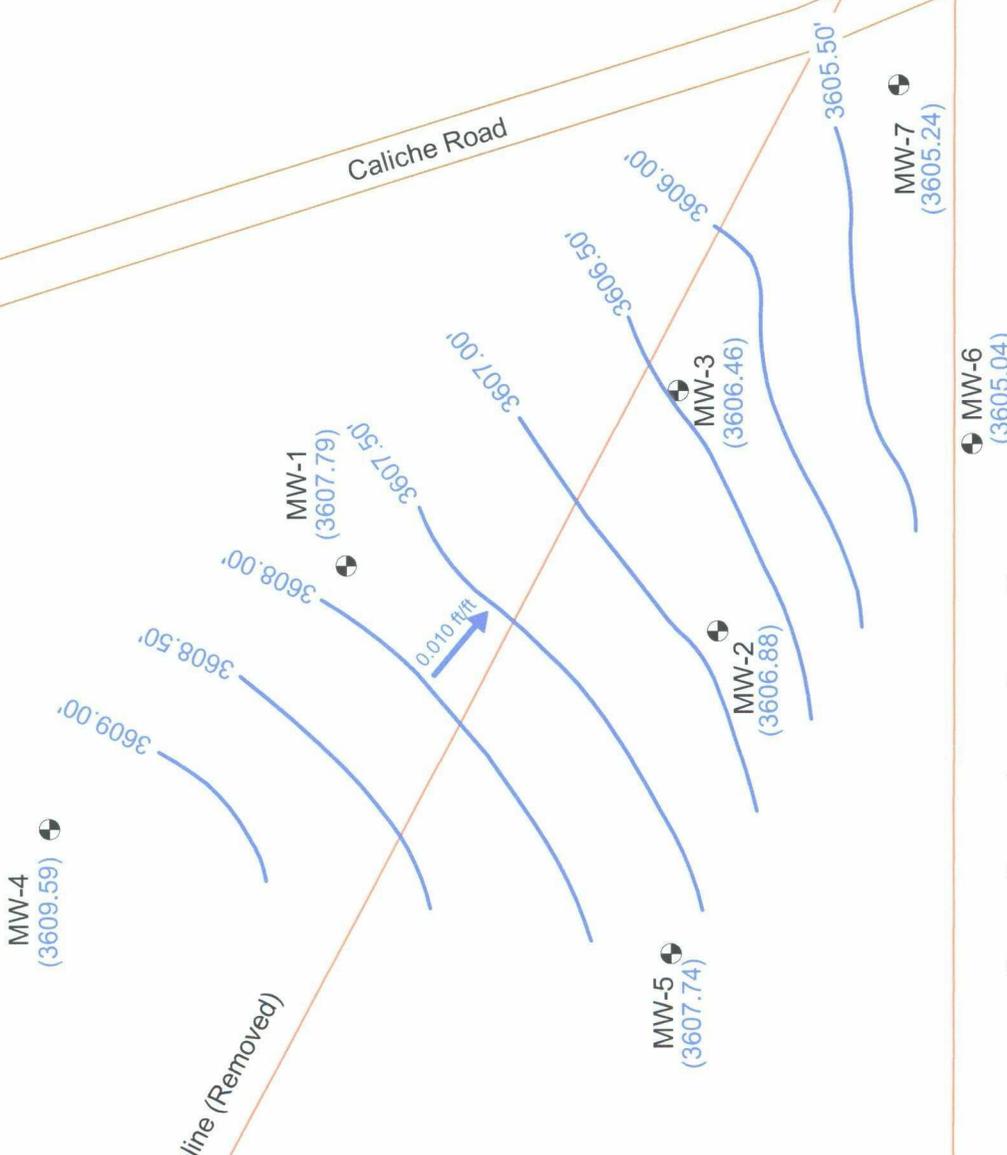
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September 22, 2009	NE 1/4 Section 30 T19S R37E
Lat. N32° 38' 14" Long. W103° 17' 4"	



Former Tex-New Mexico Pipeline (Removed)

Caliche Road

Buried Pipeline



NOTE:

Contour Interval = 0.5'
 Groundwater Gradient Measured Between MW-4 and MW-3

Legend:

- Monitor Well Location
- Pipeline
- Groundwater Elevation Contour Line
- Groundwater Elevation (feet)
- Groundwater Gradient and Magnitude

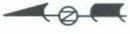
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Figure 2D
 Inferred Groundwater
 Gradient Map
 (11/06/2009)
 Plains Marketing, L.P.
 Monument 10
 Lea County, NM

NOVA Safety and Environmental



Scale: 1" = 60'	CAD By: SAT	Checked By: RKR
December 18, 2009	NE 1/4 Section 30 T19S R37E	
Lat: N32° 38' 14" Long: W103° 17' 4"		



Former Tex-New Mexico Pipeline (Removed)

Caliche Road

MW-4
(NS)

Benzene	<0.001 mg/L
Toluene	<0.001 mg/L
Ethylbenzene	<0.001 mg/L
Xylene	<0.001 mg/L

MW-1

MW-5
(NS)

MW-3
Z-1

MW-2
1-077

MW-7
(NS)

MW-6
(NS)

Buried Pipeline



Legend:

- Monitor Well Location
- Pipeline
- Inferred Extent of PSH
- Depth of PSH (feet)

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

NMOC Reference No. 1R-0119

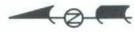
Figure 3A
Groundwater Concentration
and Inferred PSH Extents
Map (02/13/09)
Plains Marketing, L.P.
Monument 10
Lea County, NM

NOVA Safety and Environmental

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safety and environmental

Scale: 1" = 80'
February 23, 2009
SE 1/4 NE 1/4 Sec. 30 T19S R37E
Lat. 32° 35' 9.2"N Long. 103° 17' 24"W

CAD By: SAT
Checked By: TJL



Former Tex-New Mexico Pipeline (Removed)

Caliche Road

MW-4
(NS)

MW-1
(NS)

MW-5
(NS)

MW-2
(NS)

MW-3
(NS)

MW-7

MW-6

Buried Pipeline

Benzene	0.0071 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	0.0017 mg/L

3.29'

2.36'



Legend:

- Monitor Well Location
- Pipeline
- Inferred Extent of PSH
- Depth of PSH (feet)

Not Sampled
Constituent Concentration (mg/L)

(NS)
<0.001

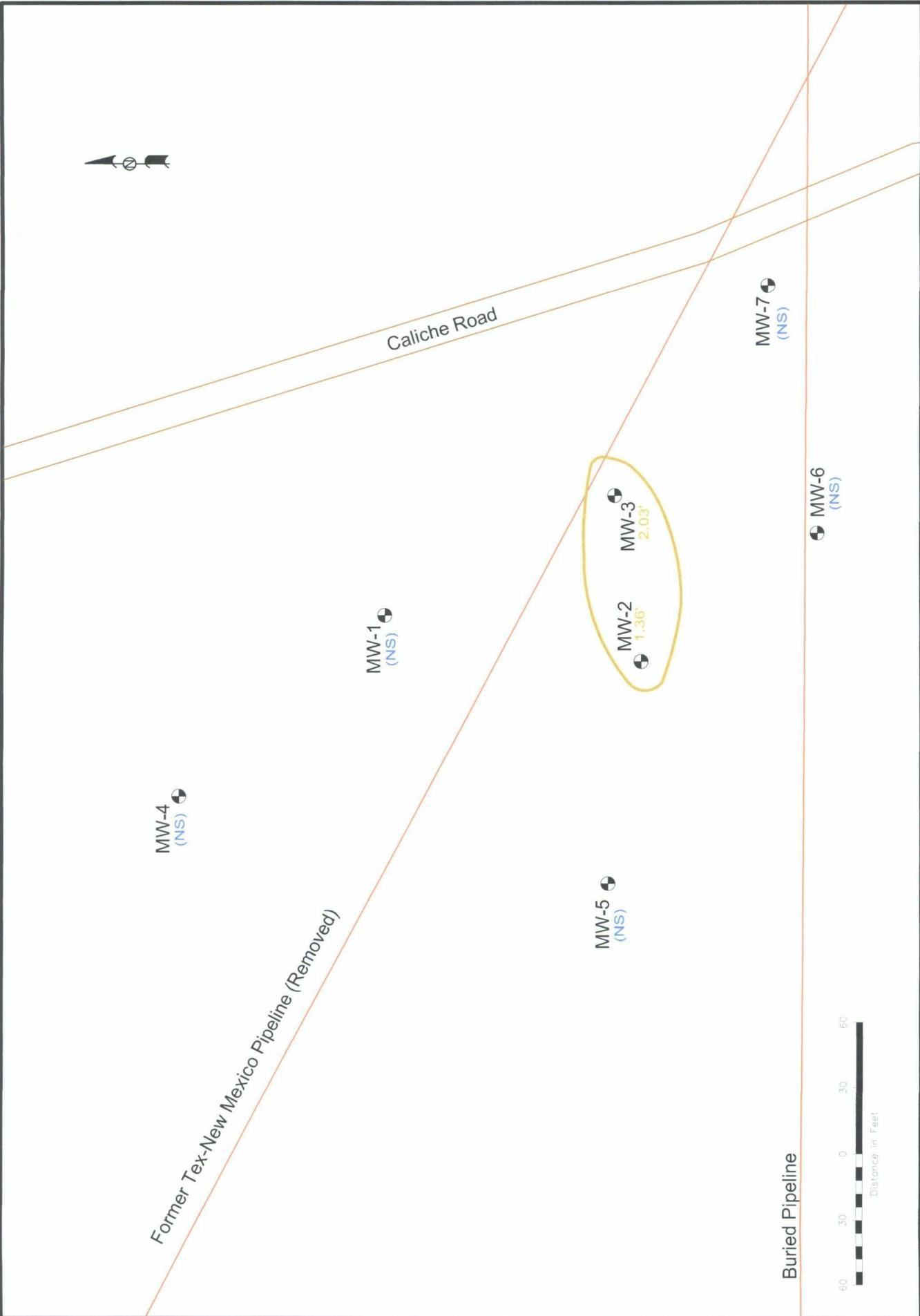
Figure 3B
Groundwater Concentration
and Inferred PSH Extents
Map (05/20/09)
Plains Marketing, L.P.
Monument 10
Lea County, NM

NMOC Reference No. 1R-0119

NOVA Safety and Environmental



Scale: 1" = 60'	CAD By: SAT	Checked By: T.J.L.
June 10, 2009	SE 1/4 NE 1/4 Sec. 30 T19S R37E	
Lat. 32° 38' 5.2"N Long. 103° 17' 2.4"W		



Legend:

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

Figure 3C
 Groundwater Concentration and Inferred PSH Extents Map (08/15/09)
 Plains Marketing, L.P.
 Monument 10
 Lea County, NM

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NOVA Safety and Environmental

Scale: 1" = 60'
 Drawn By: SAT
 Prepared By: RKR
 September 24, 2009
 NE 1/4 Section 30 T19S R37E
 Lat. N32° 38' 14" Long. W103° 17' 4"

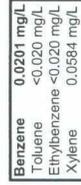
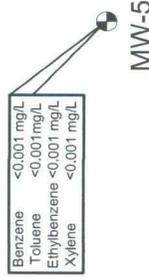
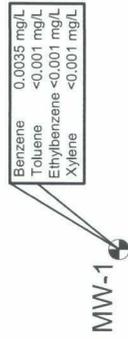
NMOCD Reference No. 1R-0119



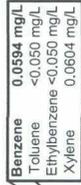
Caliche Road

Former Tex-New Mexico Pipeline (Removed)

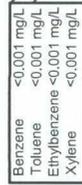
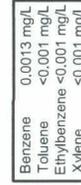
Buried Pipeline



MW-2
1.37'



MW-3
2.07'



NOVA Safety and Environmental

Figure 3D
Groundwater Concentration
and Inferred PSH Extents
Map (11/06/05)
Plains Marketing, L.P.
Monument 10
Lea County, NM

NIMOC Reference No. 1R-0119

Legend:

- Monitor Well Location (NS)
- Pipeline
- Inferred Extent of PSH
- Depth of PSH (feet)

Scale: 1" = 60'

Drawn By: SAT

Prepared By: RKR

December 18, 2008

NE1/4 Section 30 T19S R27E

Lat. N32° 38' 14" Long. W103° 17' 4"

NOVA
safety and environmental



Tables

TABLE 1

2009 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 MONUMENT 10
 LEA COUNTY, NEW MEXICO
 NMOC D 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	02/13/09	3,629.33	-	21.66		3,607.67
MW - 1	05/20/09	3,629.33	-	21.74		3,607.59
MW - 1	06/02/09	3,629.33	-	21.60		3,607.73
MW - 1	06/04/09	3,629.33	-	21.98		3,607.35
MW - 1	07/10/09	3,629.33	-	21.61		3,607.72
MW - 1	08/15/09	3,629.33	-	21.56		3,607.77
MW - 1	11/06/09	3,629.33	-	21.54		3,607.79
MW - 2	01/07/09	3,629.43	22.22	24.82	2.60	3,606.82
MW - 2	01/16/09	3,629.43	21.34	24.39	3.05	3,607.63
MW - 2	01/29/09	3,629.43	22.25	24.41	2.16	3,606.86
MW - 2	02/09/09	3,629.43	22.27	24.46	2.19	3,606.83
MW - 2	02/13/09	3,629.43	22.32	23.89	1.57	3,606.87
MW - 2	02/26/09	3,629.43	22.32	24.70	2.38	3,606.75
MW - 2	03/02/09	3,629.43	23.33	24.00	0.67	3,606.00
MW - 2	03/04/09	3,629.43	22.35	23.57	1.22	3,606.90
MW - 2	03/09/09	3,629.43	22.35	23.80	1.45	3,606.86
MW - 2	03/17/09	3,629.43	23.37	24.02	0.65	3,605.96
MW - 2	03/19/09	3,629.43	23.38	24.03	0.65	3,605.95
MW - 2	03/25/09	3,629.43	22.31	24.12	1.81	3,606.85
MW - 2	03/27/09	3,629.43	23.35	23.96	0.61	3,605.99
MW - 2	03/30/09	3,629.43	23.37	23.93	0.56	3,605.98
MW - 2	04/06/09	3,629.43	23.39	23.91	0.52	3,605.96
MW - 2	04/08/09	3,629.43	22.24	24.41	2.17	3,606.86
MW - 2	04/13/09	3,629.43	22.34	23.89	1.55	3,606.86
MW - 2	04/15/09	3,629.43	23.37	23.89	0.52	3,605.98
MW - 2	04/21/09	3,629.43	23.39	23.86	0.47	3,605.97
MW - 2	04/27/09	3,629.43	22.25	24.44	2.19	3,606.85
MW - 2	05/07/09	3,629.43	23.42	23.84	0.42	3,605.95
MW - 2	05/20/09	3,629.43	22.23	24.59	2.36	3,606.85
MW - 2	05/21/09	3,629.43	22.24	24.58	2.34	3,606.84
MW - 2	05/27/09	3,629.43	22.30	24.20	1.90	3,606.85
MW - 2	06/02/09	3,629.43	22.32	24.10	1.78	3,606.84
MW - 2	06/10/09	3,629.43	23.44	23.87	0.43	3,605.93
MW - 2	06/15/09	3,629.43	23.43	26.84	3.41	3,605.49
MW - 2	07/01/09	3,629.43	22.23	24.70	2.47	3,606.83
MW - 2	07/10/09	3,629.43	22.28	24.43	2.15	3,606.83
MW - 2	07/15/09	3,629.43	22.24	24.68	2.44	3,606.82
MW - 2	07/21/09	3,629.43	22.38	24.86	2.48	3,606.68

TABLE 1

2009 - GROUNDWATER ELEVATION DATA

PLAINS 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	07/23/09	3,629.43	22.40	23.33	0.93	3,606.89
MW - 2	07/28/09	3,629.43	22.41	23.35	0.94	3,606.88
MW - 2	07/30/09	3,629.43	22.32	23.96	1.64	3,606.86
MW - 2	08/05/09	3,629.43	22.33	23.97	1.64	3,606.85
MW - 2	08/07/09	3,629.43	22.26	23.31	1.05	3,607.01
MW - 2	08/10/09	3,629.43	22.36	23.75	1.39	3,606.86
MW - 2	08/15/09	3,629.43	22.38	23.74	1.36	3,606.85
MW - 2	08/17/09	3,629.43	22.33	23.93	1.60	3,606.86
MW - 2	08/27/09	3,629.43	22.27	24.17	1.90	3,606.88
MW - 2	08/31/09	3,629.43	22.24	24.13	1.89	3,606.91
MW - 2	09/11/09	3,629.43	22.29	24.12	1.83	3,606.87
MW - 2	09/17/09	3,629.43	22.32	23.98	1.66	3,606.86
MW - 2	09/24/09	3,629.43	22.27	24.26	1.99	3,606.86
MW - 2	09/29/09	3,629.43	22.35	23.85	1.50	3,606.86
MW - 2	09/30/09	3,629.43	22.39	23.45	1.06	3,606.88
MW - 2	10/06/09	3,629.43	22.39	23.71	1.32	3,606.84
MW - 2	10/20/09	3,629.43	22.32	23.82	1.50	3,606.89
MW - 2	10/27/09	3,629.43	22.36	23.87	1.51	3,606.84
MW - 2	11/05/09	3,629.43	22.34	23.71	1.37	3,606.88
MW - 2	11/06/09	3,629.43	22.34	23.71	1.37	3,606.88
MW - 3	01/07/09	3,628.90	21.93	25.52	3.59	3,606.43
MW - 3	01/16/09	3,628.90	21.91	25.15	3.24	3,606.50
MW - 3	01/29/09	3,628.90	22.08	24.79	2.71	3,606.41
MW - 3	02/09/09	3,628.90	22.01	24.99	2.98	3,606.44
MW - 3	02/13/09	3,628.90	22.13	24.23	2.10	3,606.46
MW - 3	02/26/09	3,628.90	22.08	25.25	3.17	3,606.34
MW - 3	03/02/09	3,628.90	22.12	25.38	3.26	3,606.29
MW - 3	03/04/09	3,628.90	22.17	23.87	1.70	3,606.48
MW - 3	03/09/09	3,628.90	22.10	24.38	2.28	3,606.46
MW - 3	03/17/09	3,628.90	22.15	25.40	3.25	3,606.26
MW - 3	03/19/09	3,628.90	22.17	25.42	3.25	3,606.24
MW - 3	03/25/09	3,628.90	22.05	24.82	2.77	3,606.43
MW - 3	03/27/09	3,628.90	22.23	25.35	3.12	3,606.20
MW - 3	03/30/09	3,628.90	22.24	25.29	3.05	3,606.20
MW - 3	04/06/09	3,628.90	22.22	25.21	2.99	3,606.23
MW - 3	04/08/09	3,628.90	22.00	25.21	3.21	3,606.42
MW - 3	04/13/09	3,628.90	22.17	24.22	2.05	3,606.42
MW - 3	04/15/09	3,628.90	22.20	25.19	2.99	3,606.25
MW - 3	04/21/09	3,628.90	22.21	25.16	2.95	3,606.25
MW - 3	04/27/09	3,628.90	22.04	25.05	3.01	3,606.41

TABLE 1

2009 - GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 MONUMENT 10
 LEA COUNTY, NEW MEXICO
 NMCD 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 - 3	05/07/09	3,628.90	22.24	25.16	2.92	3,606.22
MW - 3	05/20/09	3,628.90	21.99	25.28	3.29	3,606.42
MW - 3	05/21/09	3,628.90	22.00	25.33	3.33	3,606.40
MW - 3	05/27/09	3,628.90	22.08	24.85	2.77	3,606.40
MW - 3	06/02/09	3,628.90	22.06	24.88	2.82	3,606.42
MW - 3	06/10/09	3,628.90	22.27	25.14	2.87	3,606.20
MW - 3	06/15/09	3,628.90	22.25	25.12	2.87	3,606.22
MW - 3	07/01/09	3,628.90	21.93	25.45	3.52	3,606.44
MW - 3	07/10/09	3,628.90	22.02	25.00	2.98	3,606.43
MW - 3	07/15/09	3,628.90	21.94	25.36	3.42	3,606.45
MW - 3	07/21/09	3,628.90	22.16	24.38	2.22	3,606.41
MW - 3	07/23/09	3,628.90	22.26	23.31	1.05	3,606.48
MW - 3	07/28/09	3,628.90	22.25	23.33	1.08	3,606.49
MW - 3	07/30/09	3,628.90	22.16	24.21	2.05	3,606.43
MW - 3	08/05/09	3,628.90	22.15	23.98	1.83	3,606.48
MW - 3	08/07/09	3,628.90	22.42	23.36	0.94	3,606.34
MW - 3	08/10/09	3,628.90	22.16	24.05	1.89	3,606.46
MW - 3	08/15/09	3,628.90	22.21	24.24	2.03	3,606.39
MW - 3	08/17/09	3,628.90	22.17	24.24	2.07	3,606.42
MW - 3	08/27/09	3,628.90	22.10	24.53	2.43	3,606.44
MW - 3	08/31/09	3,628.90	22.09	24.47	2.38	3,606.45
MW - 3	09/11/09	3,628.90	22.24	24.85	2.61	3,606.27
MW - 3	09/17/09	3,628.90	22.19	24.42	2.23	3,606.38
MW - 3	09/24/09	3,628.90	22.03	24.08	2.05	3,606.56
MW - 3	09/29/09	3,628.90	22.19	24.01	1.82	3,606.44
MW - 3	09/30/09	3,628.90	22.20	23.53	1.33	3,606.50
MW - 3	10/06/09	3,628.90	22.21	23.99	1.78	3,606.42
MW - 3	10/20/09	3,628.90	22.15	24.17	2.02	3,606.45
MW - 3	10/27/09	3,628.90	22.18	24.09	1.91	3,606.43
MW - 3	11/05/09	3,628.90	22.13	24.20	2.07	3,606.46
MW - 3	11/06/09	3,628.90	22.13	24.20	2.07	3,606.46
MW - 4	02/13/09	3,629.97	-	20.39	0.00	3,609.58
MW - 4	05/20/09	3,629.97	-	20.43	0.00	3,609.54
MW - 4	08/15/09	3,629.97	-	20.39	0.00	3,609.58
MW - 4	11/06/09	3,629.97	-	20.38	0.00	3,609.59
MW - 5	02/13/09	3,629.36	-	21.62	0.00	3,607.74
MW - 5	05/20/09	3,629.36	-	21.62	0.00	3,607.74
MW - 5	08/15/09	3,629.36	-	21.63	0.00	3,607.73
MW - 5	11/06/09	3,629.36	-	21.62	0.00	3,607.74

TABLE 1

2009 - GROUNDWATER ELEVATION DATA

**PLAINS 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	02/13/09	3,629.17	-	24.11	0.00	3,605.06
MW - 6	05/20/09	3,629.17	-	24.14	0.00	3,605.03
MW - 6	08/15/09	3,629.17	-	24.13	0.00	3,605.04
MW - 6	11/06/09	3,629.17	-	24.13	0.00	3,605.04
MW - 7	02/13/09	3,628.07	-	22.83	0.00	3,605.24
MW - 7	05/20/09	3,628.07	-	22.84	0.00	3,605.23
MW - 7	08/15/09	3,628.07	-	22.82	0.00	3,605.25
MW - 7	11/06/09	3,628.07	-	22.83	0.00	3,605.24

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

TABLE 2

2009 - 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	EPA SW 846-8015M		Methods: EPA SW 846-8021, 5030				
		TPH GRO C ₆ -C ₁₂	TPH DRO >C ₁₂ -C ₃₅	BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY LIMIT				0.01	0.75	0.75	0.62	
MW - 1	02/13/09			<0.001	<0.001	<0.001	<0.001	
MW - 1	05/20/09			Not Sampled on Current Sample Schedule				
MW - 1	08/15/09			Not Sampled on Current Sample Schedule				
MW - 1	11/06/09			0.0035	<0.001	<0.001	<0.001	
MW - 2	02/13/09			Not sampled Due to PSH in Well				
MW - 2	05/20/09			Not sampled Due to PSH in Well				
MW - 2	08/15/09			Not sampled Due to PSH in Well				
MW - 2	11/06/09	<2.00	12.0	0.0201	<0.020	<0.020	0.0584	
MW - 3	02/13/09			Not sampled Due to PSH in Well				
MW - 3	05/20/09			Not sampled Due to PSH in Well				
MW - 3	08/15/09			Not sampled Due to PSH in Well				
MW - 3	11/06/09	<5.00	150.0	0.0594	<0.050	<0.050	0.0604	
MW - 4	02/13/09			Not Sampled on Current Sample Schedule				
MW - 4	05/20/09			Not Sampled on Current Sample Schedule				
MW - 4	08/15/09			Not Sampled on Current Sample Schedule				
MW - 4	11/06/09			<0.001	<0.001	<0.001	<0.001	
MW - 5	02/13/09			Not Sampled on Current Sample Schedule				
MW - 5	05/20/09			Not Sampled on Current Sample Schedule				
MW - 5	08/15/09			Not Sampled on Current Sample Schedule				
MW - 5	11/06/09			<0.001	<0.001	<0.001	<0.001	
MW - 6	02/13/09			Not Sampled on Current Sample Schedule				
MW - 6	05/20/09			<0.001	<0.001	<0.001	<0.001	
MW - 6	08/15/09			Not Sampled on Current Sample Schedule				
MW - 6	11/06/09			<0.001	<0.001	<0.001	<0.001	
MW - 7	02/13/09			Not Sampled on Current Sample Schedule				
MW - 7	05/20/09			0.0071	<0.001	<0.001	<0.001	
MW - 7	08/15/09			Not Sampled on Current Sample Schedule				
MW - 7	11/06/09			0.0013	<0.001	<0.001	<0.001	

* Complete Historical Tables are presented on the attached CD.

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
 MONUMENT 10
 LEA COUNTY, NEW MEXICO
 NMOCID REFERENCE NUMBER R1-0119

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[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
MW-1	11/19/08	<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
	11/06/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922
MW-2	11/19/08	<0.0229	<0.0229	0.115	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	0.786	<0.0229	0.0899	0.114	<0.0229	<0.0229	0.429	0.337	0.0612
	11/06/09	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	0.0152	<0.00184	0.0190	0.0198	<0.00184	<0.00184	0.112	0.0699	0.0119
MW-3	11/19/08	<0.0917	<0.0917	<0.0917	<0.0917	<0.0917	<0.0917	<0.0917	<0.0917	<0.0917	0.373	<0.0917	0.468	0.473	<0.0917	<0.0917	1.85	1.79	0.269
	11/06/09	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	0.0134	<0.000926	0.0178	0.0216	<0.000926	<0.000926	0.105	0.0896	0.0113
MW-4	11/19/08	<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
	11/06/09	<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
MW-5	11/19/08	<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
	11/06/09	<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
MW-6	11/19/08	<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
	11/06/09	<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
MW-7	11/19/08	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186
	11/06/09	<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



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 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 <input type="checkbox"/> No <input type="checkbox"/> Not Required <input type="checkbox"/>	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:	
Date: 3/21/2005 Phone: (505)441-0965	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary