

1R - 103

REPORTS

DATE:

October, 2009



GROUNDWATER CLOSURE EVALUATION REPORT

TNM LF - 59

LEA COUNTY, NEW MEXICO

NW ¼ SW ¼ SECTION 32, TOWNSHIP 19 SOUTH, RANGE 37 EAST

PLAINS SRS NUMBER: TNM LF-59

NMOCD REFERENCE NUMBER 1R-0103

RECEIVED

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Environmental Bureau
Oil Conservation Division

Prepared For:

PLAINS MARKETING, L.P.

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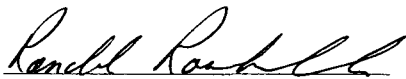
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October 2009


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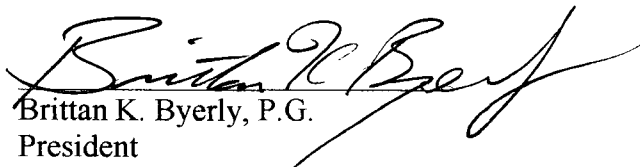

Brittan K. Byerly, P.G.
President

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1.0 INTRODUCTION

On behalf of Plains Marketing, L.P., (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this Groundwater Closure Evaluation Report for the site known as TNM-LF-59 (LF-59). The purpose of this Groundwater Closure Evaluation Report (Closure Report) is to summarize known groundwater data and to demonstrate that contaminants-of-concern (COCs) in the groundwater at the site are reducing over time and demonstrably immobile. A Site Location Map and Site Map are provided as Figure 1 and Figure 2, respectively. The site is located in the NW ¼ SW ¼ Section 32, Township 19 South, Range 37 East, Lea County, New Mexico.

2.0 SITE BACKGROUND

The release occurred from an 8-inch pipeline and was attributed to structural failure associated with internal pipeline corrosion. The site, formerly the responsibility of Enron Oil Trading and Transportation (EOTT) is now the responsibility of Plains. For reference, a site location and site map are provided as Figures 1 and 2, respectively. The Release Notification and Corrective Action (Form C-141) is included as Appendix D.

In July 2006, a Soil Closure Strategy and Site Restoration Work Plan (Work Plan) was submitted to the NMOCD. The Work Plan detailed proposed activities designed to progress the release site toward an NMOCD approved soil closure.

From October through December 2007, Plains conducted soil remediation activities at the site consisting of excavation of impacted soils, blending and mixing of impacted soil with non-impacted soils, the installation of the synthetic impermeable liner along the floor of the excavation area, and backfilling of the entire excavation area along with final contouring of the soil surface. On February 19, 2008, the NMOCD approved the closure of the soil remediation activities at the site.

3.0 REVIEW OF GROUNDWATER DATA

Review of laboratory analytical results of the groundwater samples obtained from the eight site monitoring wells since 2000 indicate that benzene and total BTEX constituent concentrations have been below NMOCD regulatory standards for a minimum of eighteen consecutive quarters in 7 of the 8 site wells. Groundwater samples collected from monitor well MW-1, located immediately downgradient of the pipeline release point, historically has exhibited BTEX concentrations above NMOCD regulatory guidelines. However, since May 2004 when benzene concentrations were highest, the benzene concentrations have demonstrated a linear decreasing trend (See Figure 3 through Figure 8, Benzene Concentration in Groundwater Distribution Maps). Furthermore, benzene concentrations in monitor well MW-1 during the last four quarters have exhibited concentrations nearing the NMOCD Regulatory Limit of 0.010 mg/L.

Benzene concentrations in the remaining seven monitor wells have not exceeded the NMOCD Regulatory limit since March of 2005.

4.0 NATURAL ATTENUATION IN GROUNDWATER

4.1 Natural Attenuation in General

Monitored Natural Attenuation (MNA) is defined by the U.S. Environmental Protection Agency (USEPA) in EPA, OSWER Directive 9200.4-17P as "reliance on natural attenuation processes (within the context of a carefully controlled and monitored site cleanup approach) to achieve site-specific remediation objectives within a time frame that is reasonable compared to that offered by other more active methods. The 'natural attenuation processes' that are at work in such a remediation approach include a variety of physical, chemical, or biological processes that, under favorable conditions, act without human intervention to reduce the mass, toxicity, mobility, volume, or concentration of contaminants in soil or groundwater. These in-situ processes include biodegradation, dispersion, dilution, sorption, volatilization, radioactive decay, and chemical or biological stabilization, transformation, or destruction of contaminants."

Although the NMOCD has not officially adopted MNA as a remedial alternative to affected groundwater, the Texas Commission on Environmental Quality (TCEQ) considers MNA to be an effective remedial alternative to address groundwater protective concentrations level exceedence (PCLE) zones. The TCEQ has identified three lines of evidence for NA monitoring:

- **Primary lines of evidence (PLOE).** Relies on use of historical groundwater data that demonstrate a clear trend of stable or decreasing chemical of concern (COC) concentrations over time and with distance away from the source at appropriate monitoring or sampling points.
- **Secondary lines of evidence (SLOE).** Uses geotechnical indicators to document certain geochemical signatures or "footprints" in the groundwater that demonstrate (indirectly) the type of natural attenuation process(es) occurring at the affected property and the destruction of COCs; or uses distance-based / time based / biodegradation rate calculations to demonstrate attenuation.
- **Other lines of evidence.** Most often consists of predictive modeling studies and other lab/field studies that demonstrate an understanding of the natural attenuation process(es) occurring at the affected property and their effectiveness in controlling PCLE zone migration and decreasing COC concentrations.

4.2 Groundwater Plume Stability

Historical data suggests that the groundwater contaminant plume is stable and declining (Primary lines of evidence). Furthermore, data analysis over the last 12 quarters of sampling suggests that the benzene concentration as well as the aerial extent of benzene in groundwater from the vicinity of monitor well MW-1 is decreasing over time (See Figures 3 through 8). Chart 1 illustrates a classic downward trend in the benzene concentration over time. BTEX concentrations in groundwater samples collected from

the other seven wells have been below laboratory method detection limits and /or NMOCD Regulatory limits since March 2005.

5.0 CONCLUSION

The source of groundwater impact has been abated and the impacted soils have been remediated to NMOCD standards. The NMOCD has reviewed and concurred with Plains closure request for the soil portion of this request.

Based on the groundwater analytical data collected to date, the plume demonstrates a stable and declining trend in both size and concentration due to natural attenuation, Plains requests the NMOCD grant closure for the groundwater remediation activities at the TNM-LF-59 Site.

6.0 LIMITATIONS

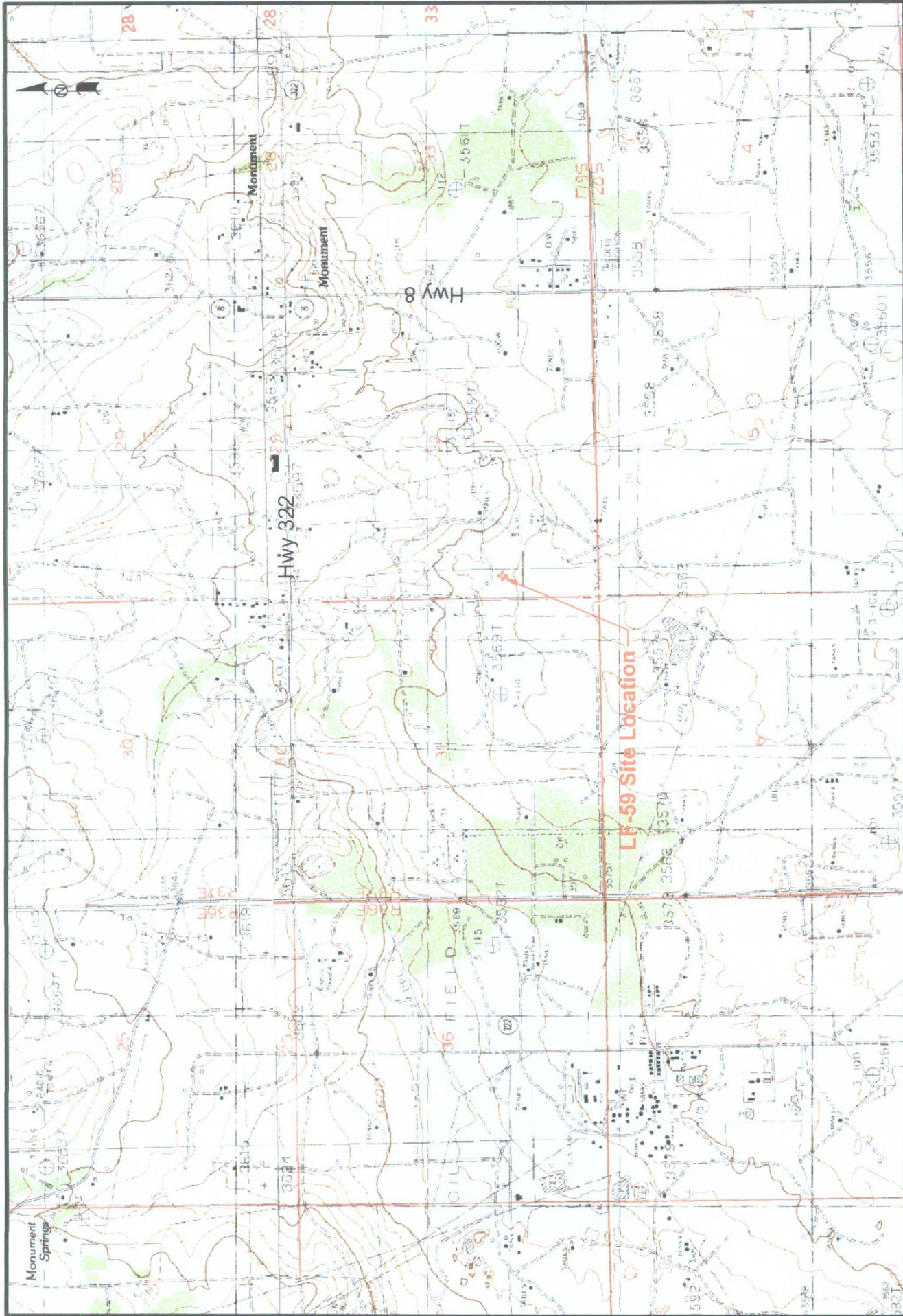
NOVA has prepared this Groundwater Closure Evaluation Report to the best of its ability. No other warranty, expressed or implied, is made or intended. NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA has not conducted 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 written consent of NOVA and/or Plains.

7.0 DISTRIBUTION

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rrounsaville@novatraining.cc

FIGURES



NW 1/4 SW 1/4 Sec 32 T19S, R37E

32° 36' 50.1" N

103° 16' 47.6" W

Figure 1

Site Location Map

Plains Marketing, L.P.

LF - 59

Monument, NM

NMOC Reference # 1R-0103

NOVA Safety and Environmental

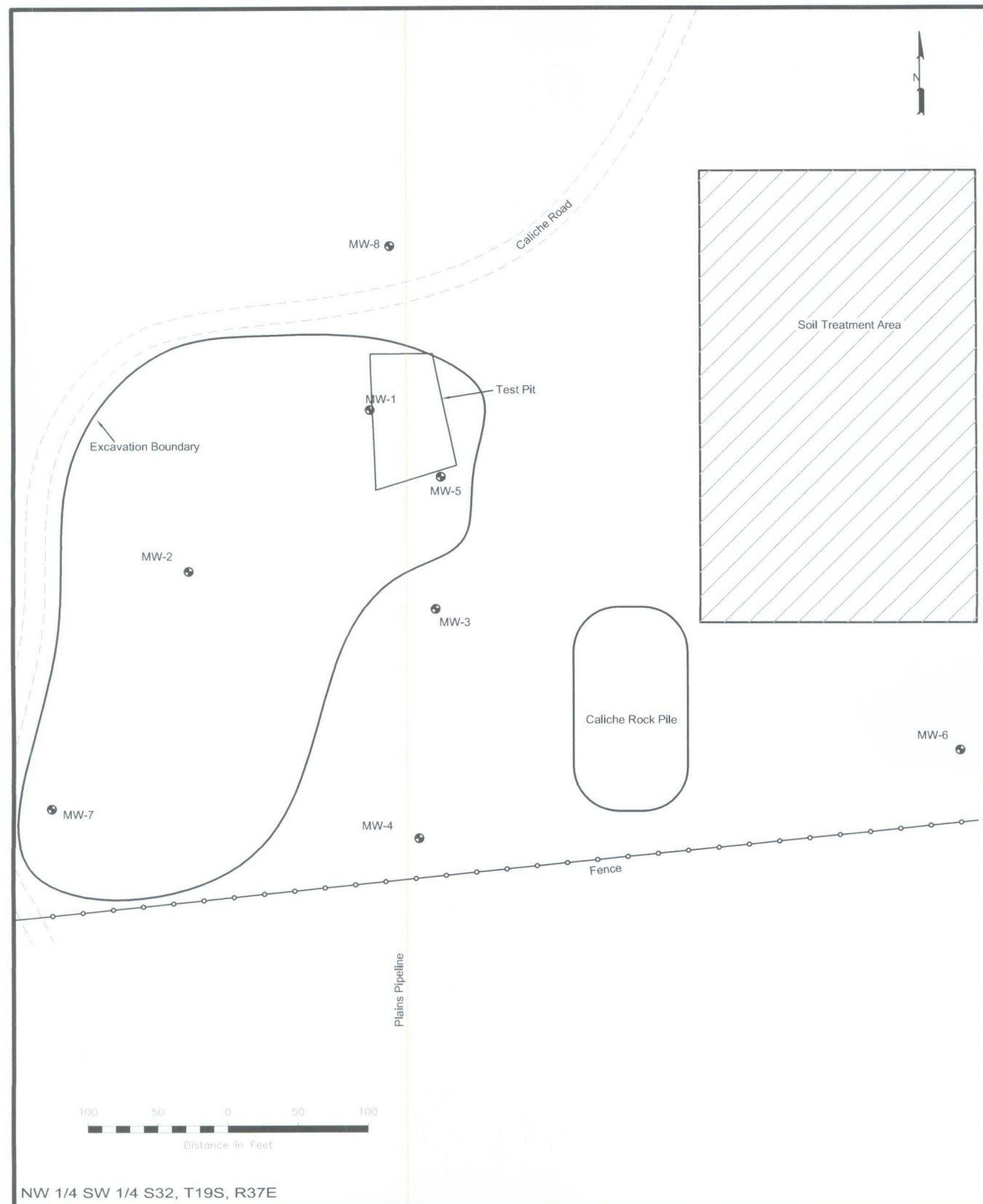


Scale: NTS

Prep By: DPM

Checked By: MRE

February 15, 2005



LEGEND:

-  Monitor Well Location
-  Pipeline

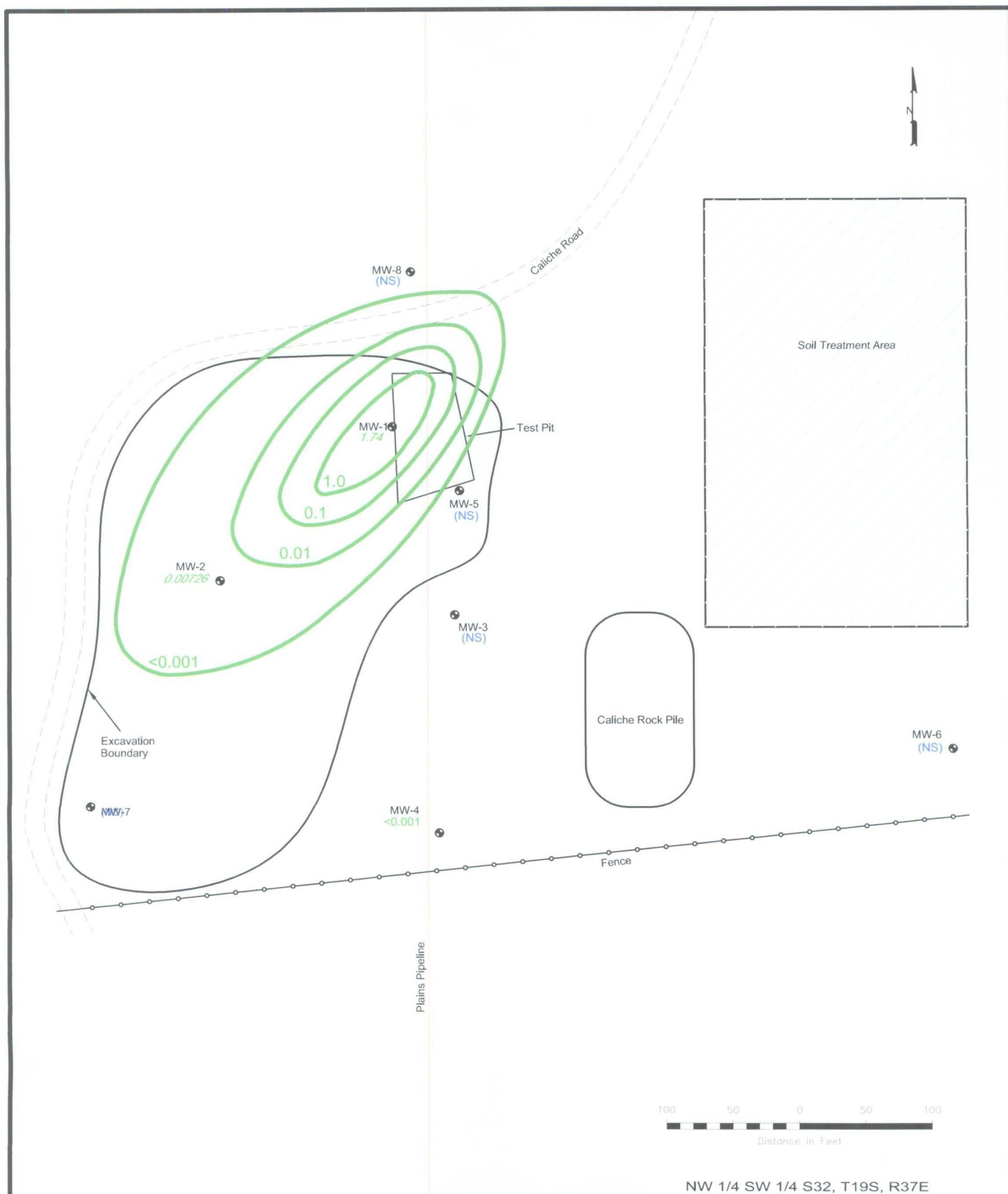
Figure 2 Site Map

Plains Marketing, L.P.
LF - 59
Monument, NM

NOVA Safety and Environmental



Lat. 32° 36' 50.1"N Long 103° 16' 49.6"W	Scale: 1"=100'
NW1/4 SW1/4 Sec32 T19S R37E	Drawn By: DPM Prepared By: MRE
January 28, 2005	



LEGEND:

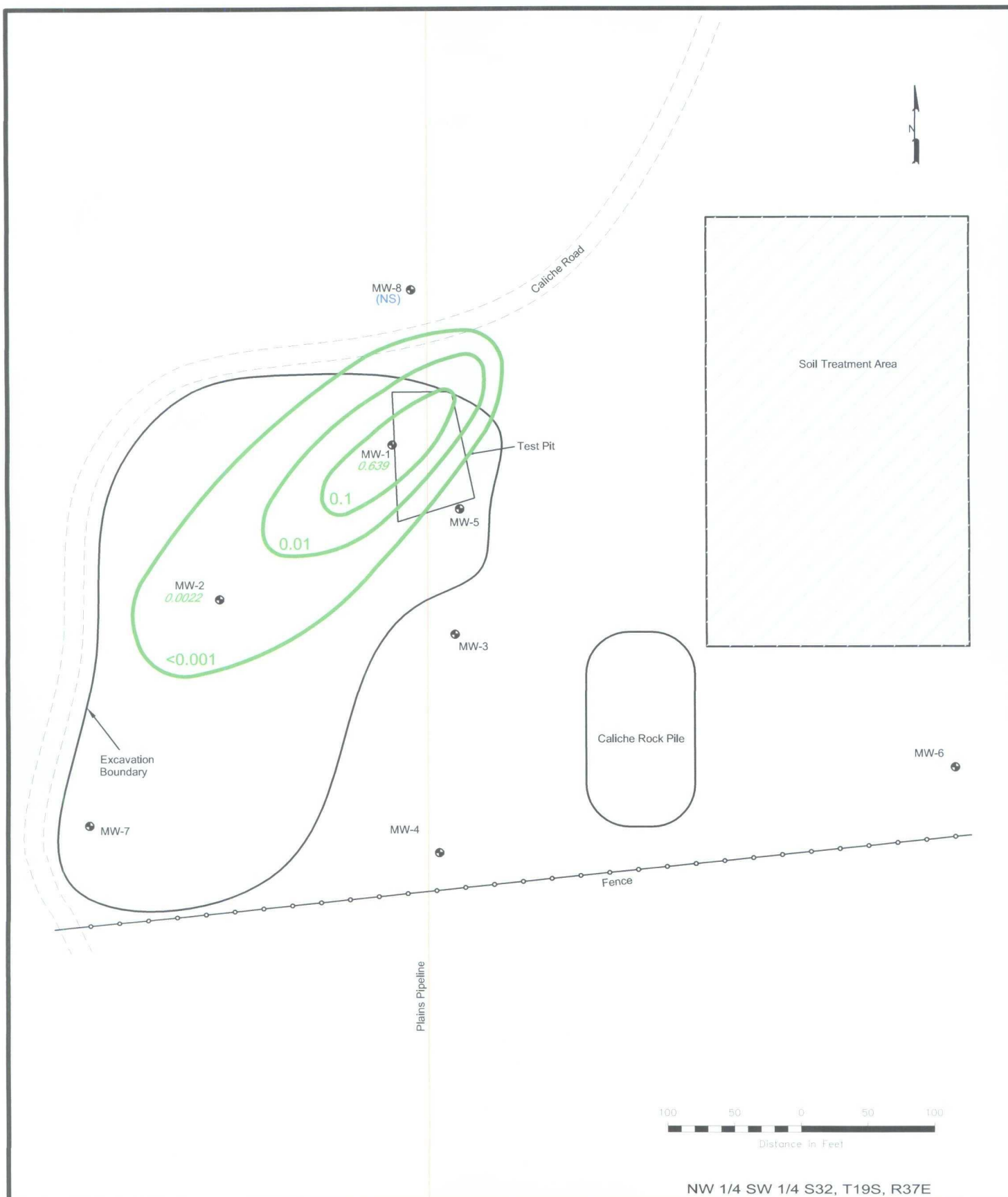
- Monitor Well Location
- Pipeline
- (NS) Not Sampled
- <0.001 Constituent Concentration (mg/L)

Figure 3
Benzene Concentration
in Groundwater
Distribution Map
 (05/18/04)
 Plains Marketing, L.P.
 LF - 59
 Monument, NM



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Lat. 32° 36' 50.1"N Long 103° 16' 49.6"W		NW1/4 SW1/4 Sec32 T19S R37E	
Scale: 1"=100'		Drawn By: SAT	Prepared By: RKR
September 30, 2009			



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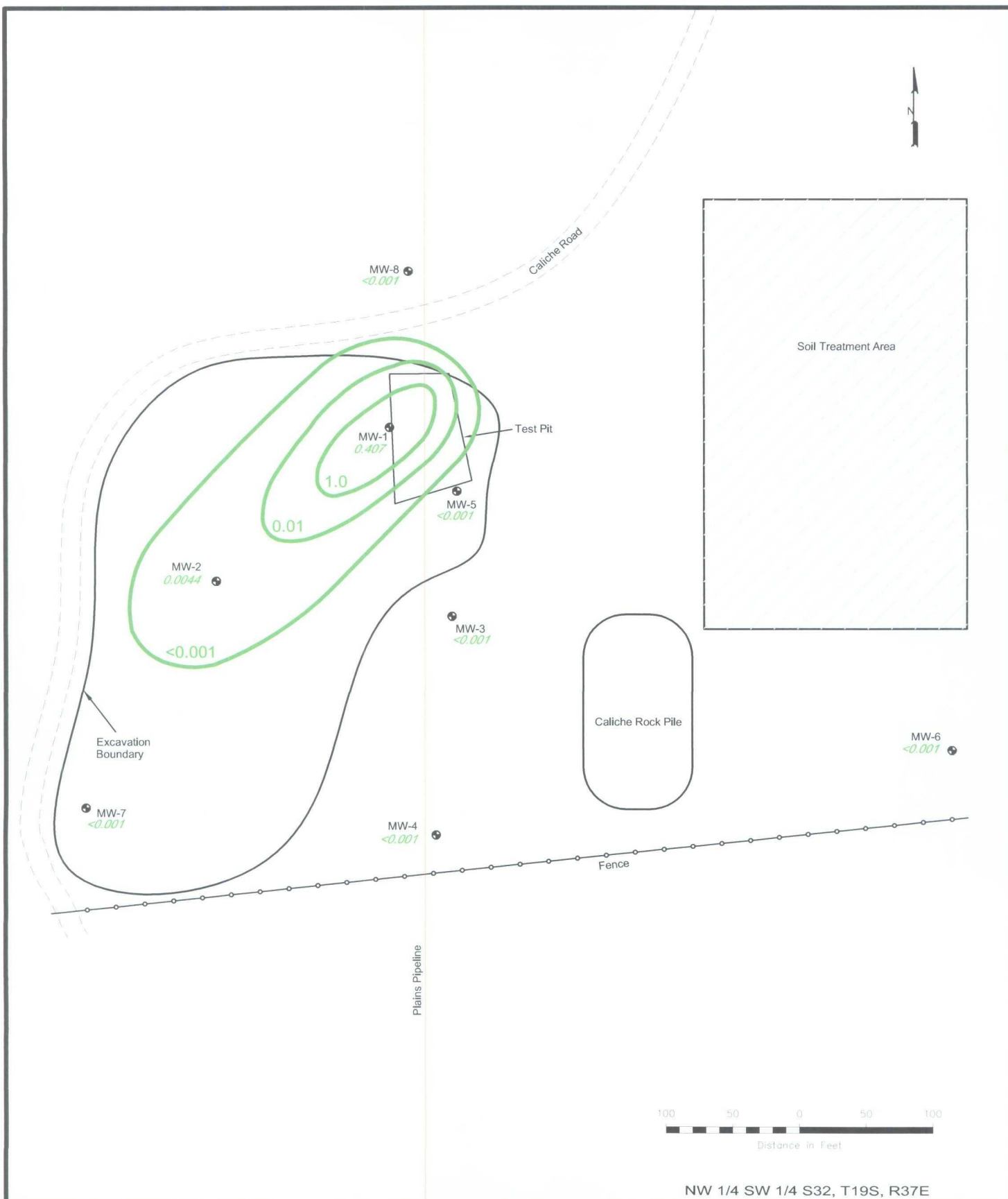
- Monitor Well Location
- Pipeline
- (NS) Not Sampled
- <0.001 Constituent Concentration (mg/L)

Figure 4
Benzene Concentration
in Groundwater
Distribution Map
(09/07/05)
Plains Marketing, L.P.
LF - 59
Monument, NM



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Lat. 32° 36' 50.1"N Long 103° 16' 49.6"W	NW1/4 SW1/4 Sec32 T19S R37E
Scale: 1"=100'	Drawn By: SAT Prepared By: RKR
September 30, 2009	



NW 1/4 SW 1/4 S32, T19S, R37E

LEGEND:

- Monitor Well Location
- Pipeline
- Not Sampled
- Constituent Concentration (mg/L)

Figure 5
Benzene Concentration
in Groundwater
Distribution Map
(11/22/06)
Plains Marketing, L.P.
LF - 59
Monument, NM



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Lat. 32° 36' 50.1"N Long 103° 16' 49.6"W

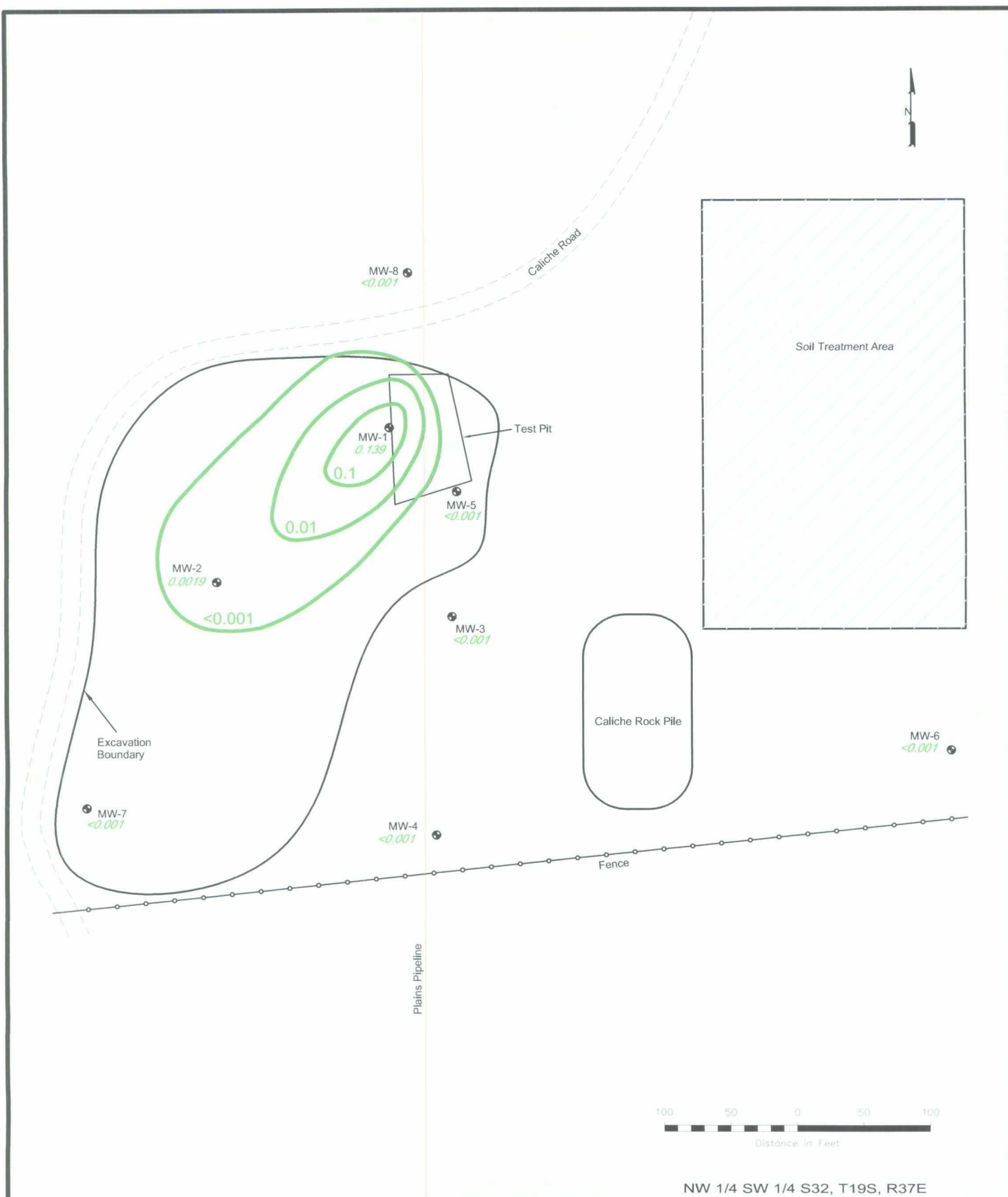
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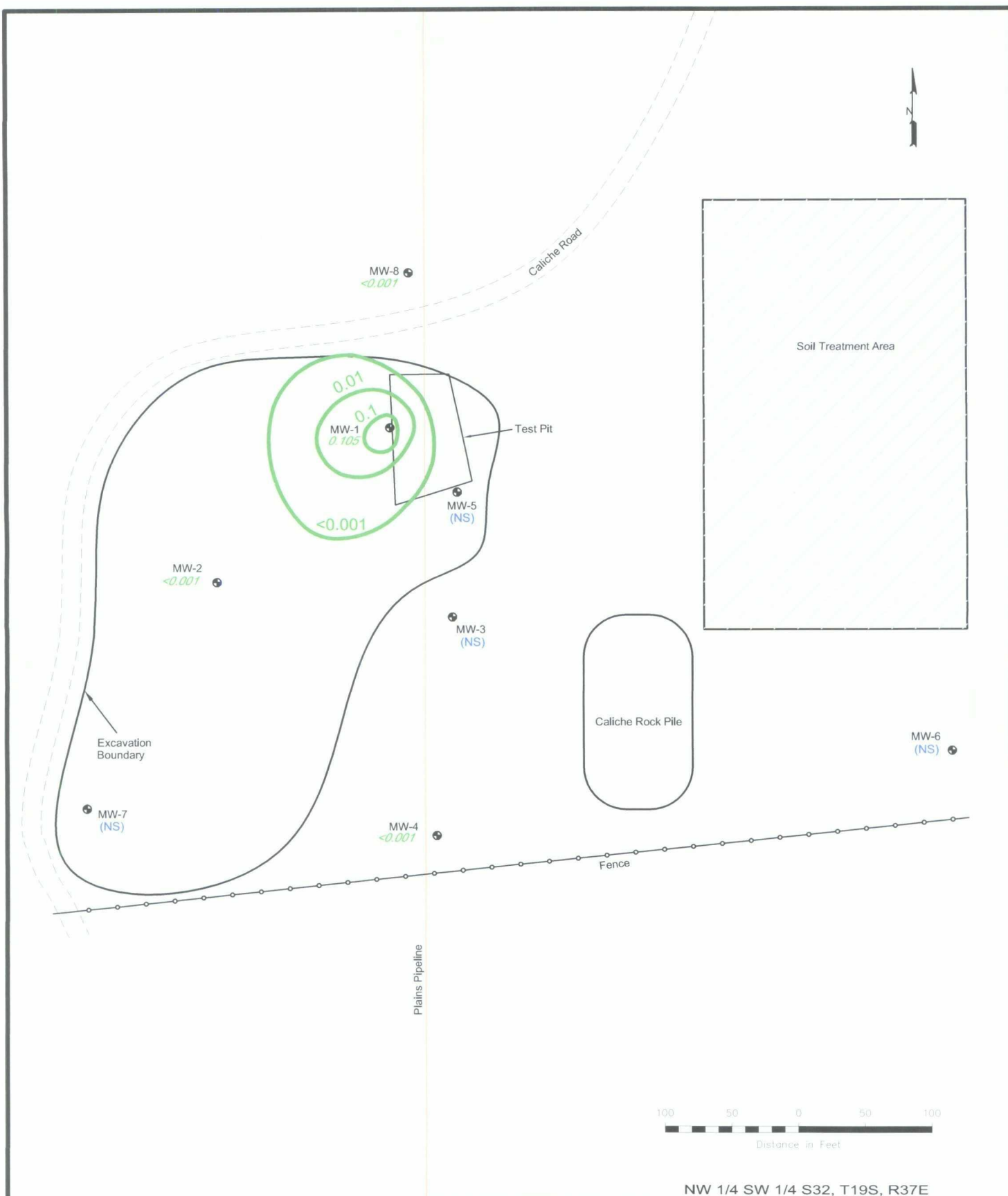
Prepared By: RKR

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Lat. 32° 36' 50.1"N Long 103° 16' 49.6"W	NW1/4 SW1/4 Sec32 T19S R37E	
Scale: 1"=100'	Drawn By: SAT	Prepared By: RKR
September 30, 2009		



LEGEND:

- Monitor Well Location
- Pipeline
- (NS) Not Sampled
- <0.001 Constituent Concentration (mg/L)

Figure 7
Benzene Concentration
in Groundwater
Distribution Map
(08/08/08)
Plains Marketing, L.P.
LF - 59
Monument, NM



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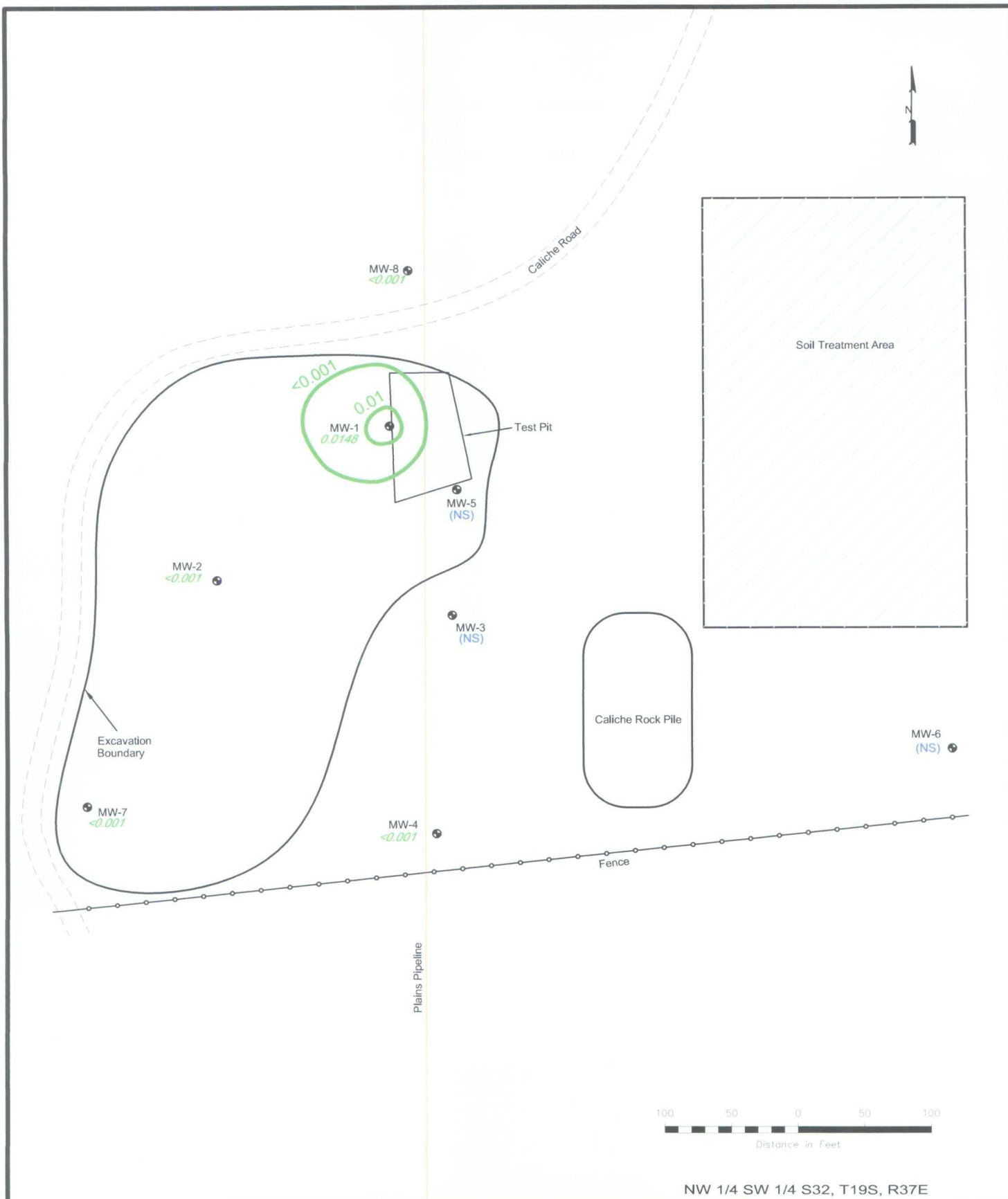
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Scale: 1"=100'

Drawn By: SAT

Prepared By: RKR

September 30, 2009



NW 1/4 SW 1/4 S32, T19S, R37E

LEGEND:

-  Monitor Well Location
-  Pipeline
-  (NS) Not Sampled
-  <0.001 Constituent Concentration (mg/L)

Figure 8
Benzene Concentration
in Groundwater
Distribution Map
(05/07/09)
Plains Marketing, L.P.
LF - 59
Monument, NM

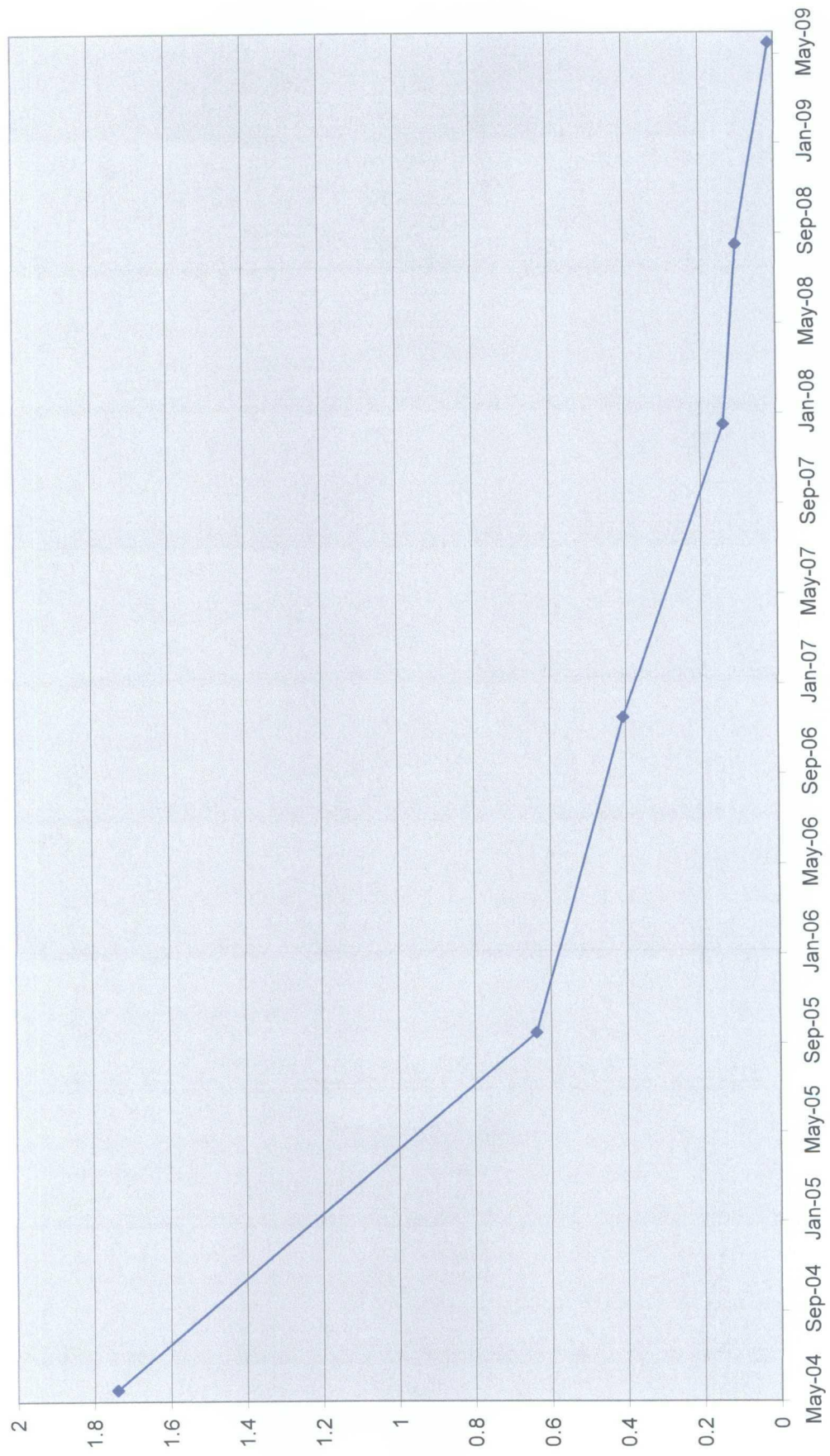


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Lat. 32° 36' 50.1"N Long 103° 16' 49.6"W	NW1/4 SW1/4 Sec32 T19S R37E	
Scale: 1"=100'	Drawn By: SAT	Prepared By: RKR
September 30, 2009		

CHARTS

Benzene Concentration in Water MW-1
TNM LF-59



TABLES

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	02/22/00	3,572.21	-	19.94	0.00	3,552.27
MW - 1	02/23/00	3,572.21	-	19.95	0.00	3,552.26
MW - 1	04/06/00	3,572.21	-	19.81	0.00	3,552.40
MW - 1	08/29/00	3,572.21	19.46	19.76	0.30	3,552.71
MW - 1	12/04/00	3,572.21	19.55	19.61	0.06	3,552.65
MW - 1	01/23/01	3,572.21	19.57	20.17	0.60	3,552.55
MW - 1	05/16/01	3,572.21	19.63	20.61	0.98	3,552.43
MW - 1	08/06/01	3,572.21	19.76	21.09	1.33	3,552.25
MW - 1	09/27/01	3,572.21	19.91	20.88	0.97	3,552.15
MW - 1	10/29/01	3,572.21	19.91	20.88	0.97	3,552.15
MW - 1	03/29/02	3,572.21	19.34	19.37	0.03	3,552.87
MW - 1	05/20/02	3,572.21	19.81	19.93	0.12	3,552.38
MW - 1	09/10/02	3,572.21	19.80	20.16	0.36	3,552.36
MW - 1	10/02/02	3,572.21	19.91	20.45	0.54	3,552.22
MW - 1	10/03/02	3,572.21	19.89	20.83	0.94	3,552.18
MW - 1	10/08/02	3,572.21	19.92	20.44	0.52	3,552.21
MW - 1	10/14/02	3,572.21	19.94	20.52	0.58	3,552.18
MW - 1	10/22/02	3,572.21	19.99	20.50	0.51	3,552.14
MW - 1	11/14/02	3,572.21	19.66	19.83	0.17	3,552.52
MW - 1	12/03/03	3,572.21	20.25	21.20	0.95	3,551.82
MW - 1	01/14/04	3,572.21	20.82	21.70	0.88	3,551.26
MW - 1	01/19/04	3,572.21	20.81	21.72	0.91	3,551.26
MW - 1	01/27/04	3,572.21	20.79	21.65	0.86	3,551.29
MW - 1	02/03/04	3,572.21	20.75	21.62	0.87	3,551.33
MW - 1	02/10/04	3,572.21	21.00	21.21	0.21	3,551.18
MW - 1	02/19/04	3,572.21	20.58	21.13	0.55	3,551.55
MW - 1	02/23/04	3,572.21	20.97	21.16	0.19	3,551.21
MW - 1	03/02/04	3,572.21	20.94	21.18	0.24	3,551.23
MW - 1	03/03/04	3,572.21	20.23	20.64	0.41	3,551.92
MW - 1	03/11/04	3,572.21	20.46	20.77	0.31	3,551.70
MW - 1	03/15/04	3,572.21	20.42	20.69	0.27	3,551.75
MW - 1	03/17/04	3,572.21	20.73	20.94	0.21	3,551.45
MW - 1	03/22/04	3,572.21	20.76	20.98	0.22	3,551.42
MW - 1	03/24/04	3,572.21	20.23	20.36	0.13	3,551.96
MW - 1	03/29/04	3,572.21	20.90	20.98	0.08	3,551.30
MW - 1	04/07/04	3,572.21	17.26	17.26	0.00	3,554.95
MW - 1	04/13/04	3,572.21	17.17	17.17	0.00	3,555.04
MW - 1	04/20/04	3,572.21	18.25	18.25	0.00	3,553.96
MW - 1	04/27/04	3,572.21	18.88	18.89	0.01	3,553.33
MW - 1	05/11/04	3,572.21	19.64	19.64	0.00	3,552.57
MW - 1	05/18/04	3,572.21	19.22	19.22	0.00	3,552.99
MW - 1	06/17/04	3,572.21	19.42	19.42	0.00	3,552.79
MW - 1	06/23/04	3,572.21	19.45	19.45	0.00	3,552.76
MW - 1	06/30/04	3,572.21	-	19.43	0.00	3,552.78
MW - 1	07/07/04	3,572.21	-	19.44	0.00	3,552.77
MW - 1	07/21/04	3,572.21	-	19.13	0.00	3,553.08
MW - 1	08/04/04	3,572.21	-	19.12	0.00	3,553.09
MW - 1	08/11/04	3,572.21	19.40	19.41	0.01	3,552.81
MW - 1	09/07/04	3,572.21	Sheen	19.50	0.00	3,552.71
MW - 1	09/13/04	3,572.21	Sheen	19.52	0.00	3,552.69
MW - 1	09/21/04	3,572.21	Sheen	20.63	0.00	3,551.58
MW - 1	09/21/04	3,572.21	Sheen	20.63	0.00	3,551.58
MW - 1	10/12/04	3,572.21	Sheen	14.45	0.00	3,557.76

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	10/21/04	3,572.21	Sheen	15.85	0.00	3,556.36
MW - 1	10/28/04	3,572.21	Sheen	15.82	0.00	3,556.39
MW - 1	11/03/04	3,572.21	Sheen	17.08	0.00	3,555.13
MW - 1	11/10/04	3,572.21	Sheen	16.97	0.00	3,555.24
MW - 1	11/17/04	3,572.21	Sheen	16.40	0.00	3,555.81
MW - 1	12/01/04	3,572.21	Sheen	13.80	0.00	3,558.41
MW - 1	12/08/04	3,572.21	Sheen	14.31	0.00	3,557.90
MW - 1	12/14/04	3,572.21	-	14.85	0.00	3,557.36
MW - 1	12/16/04	3,572.21	Sheen	14.85	0.00	3,557.36
MW - 1	12/28/04	3,572.21	Sheen	14.49	0.00	3,557.72
MW - 1	01/05/05	3,572.21	Sheen	16.36	0.00	3,555.85
MW - 1	01/13/05	3,572.21	Sheen	16.72	0.00	3,555.49
MW - 1	01/19/05	3,572.21	Sheen	17.22	0.00	3,554.99
MW - 1	01/27/05	3,572.21	Sheen	17.66	0.00	3,554.55
MW - 1	02/03/05	3,572.21	Sheen	17.97	0.00	3,554.24
MW - 1	02/10/05	3,572.21	Sheen	18.34	0.00	3,553.87
MW - 1	02/17/05	3,572.21	Sheen	18.61	0.00	3,553.60
MW - 1	02/24/05	3,572.21	Sheen	18.80	0.00	3,553.41
MW - 1	03/03/05	3,572.21	Sheen	18.55	0.00	3,553.66
MW - 1	03/08/05	3,572.21	Sheen	19.00	0.00	3,553.21
MW - 1	03/10/05	3,572.21	Sheen	19.00	0.00	3,553.21
MW - 1	03/17/05	3,572.21	Sheen	18.98	0.00	3,553.23
MW - 1	03/24/05	3,572.21	Sheen	19.23	0.00	3,552.98
MW - 1	03/31/05	3,572.21	Sheen	19.36	0.00	3,552.85
MW - 1	04/07/05	3,572.21	Sheen	19.29	0.00	3,552.92
MW - 1	04/14/05	3,572.21	Sheen	19.23	0.00	3,552.98
MW - 1	05/24/05	3,572.21	Sheen	20.09	0.00	3,552.12
MW - 1	06/07/05	3,572.21	Sheen	19.43	0.00	3,552.78
MW - 1	06/23/05	3,572.21	Sheen	19.51	0.00	3,552.70
MW - 1	07/28/05	3,572.21	Sheen	19.58	0.00	3,552.63
MW - 1	08/24/05	3,572.21	Sheen	18.19	0.00	3,554.02
MW - 1	09/07/05	3,572.21	-	18.96	0.00	3,553.25
MW - 1	09/30/05	3,572.21	-	19.29	0.00	3,552.92
MW - 1	10/28/05	3,572.21	Sheen	19.42	0.00	3,552.79
MW - 1	11/16/05	3,572.21	Sheen	19.50	0.00	3,552.71
MW - 1	12/02/05	3,572.21	-	19.54	0.00	3,552.67
MW - 1	12/30/05	3,572.21	Sheen	19.59	0.00	3,552.62
MW - 1	01/18/06	3,572.21	Sheen	19.60	0.00	3,552.61
MW - 1	02/17/06	3,572.21	Sheen	19.60	0.00	3,552.61
MW - 1	03/08/06	3,572.21	Sheen	19.59	0.00	3,552.62
MW - 1	03/20/06	3,572.21	Sheen	19.64	0.00	3,552.57
MW - 1	04/19/06	3,572.21	Sheen	19.62	0.00	3,552.59
MW - 1	05/25/06	3,572.21	20.61	20.72	0.11	3,551.58
MW - 1	06/07/06	3,572.21	Sheen	19.62	0.00	3,552.59
MW - 1	07/13/06	3,572.21	Sheen	19.28	0.00	3,552.93
MW - 1	07/27/06	3,572.21	Sheen	19.61	0.00	3,552.60
MW - 1	08/10/06	3,572.21	-	19.49	0.00	3,552.72
MW - 1	09/12/06	3,572.21	-	14.64	0.00	3,557.57
MW - 1	09/16/06	3,572.21	Sheen	14.71	0.00	3,557.50
MW - 1	10/04/06	3,572.21	-	19.66	0.00	3,552.55
MW - 1	11/15/06	3,572.21	-	19.26	0.00	3,552.95
MW - 1	11/22/06	3,572.21	-	18.75	0.00	3,553.46
MW - 1	01/11/07	3,572.21	Sheen	19.40	0.00	3,552.81

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	02/05/07	3,572.21	Sheen	19.43	0.00	3,552.78
MW - 1	02/21/07	3,572.21	-	19.54	0.00	3,552.67
MW - 1	03/27/07	3,572.21	Sheen	19.44	0.00	3,552.77
MW - 1	05/16/07	3,572.21	-	19.34	0.00	3,552.87
MW - 1	08/10/07	3,572.21	-	19.51	0.00	3,552.70
MW - 1	12/28/07	3,572.21	-	19.60	0.00	3,552.61
MW - 1	02/18/08	3,572.21	-	19.60	0.00	3,552.61
MW - 1	02/29/08	3,572.21	odor	19.64	0.00	3,552.57
MW - 1	05/12/08	3,572.21		19.67	0.00	3,552.54
MW - 1	08/08/08	3,572.21	odor	19.78	0.00	3,552.43
MW - 1	08/12/08	3,572.21	odor	19.76	0.00	3,552.45
MW - 1	10/08/08	3,572.21	odor	19.98	0.00	3,552.23
MW - 1	10/24/08	3,572.21	odor	19.71	0.00	3,552.50
MW - 1	10/28/08	3,572.21	odor	19.70	0.00	3,552.51
MW - 1	11/03/08	3,572.21	odor	19.81	0.00	3,552.40
MW - 1	11/07/08	3,572.21		19.74	0.00	3,552.47
MW - 1	11/10/08	3,572.21	odor	19.78	0.00	3,552.43
MW - 1	11/17/08	3,572.21	odor	19.78	0.00	3,552.43
MW - 1	11/24/08	3,572.21	odor	19.94	0.00	3,552.27
MW - 1	12/01/08	3,572.21	odor	21.62	0.00	3,550.59
MW - 1	12/08/08	3,572.21	odor	19.85	0.00	3,552.36
MW - 1	12/15/08	3,572.21	odor	21.49	0.00	3,550.72
MW - 1	12/19/08	3,572.21	sheen	19.78	0.00	3,552.43
MW - 1	12/22/08	3,572.21	odor	19.78	0.00	3,552.43
MW - 1	12/29/08	3,572.21	odor		0.00	3,572.21
MW - 1	01/07/09	3,572.21		19.83	0.00	3,552.38
MW - 1	01/12/09	3,572.21		18.81	0.00	3,553.40
MW - 1	01/15/09	3,572.21		19.86	0.00	3,552.35
MW - 1	01/19/09	3,572.21		19.83	0.00	3,552.38
MW - 1	01/21/09	3,572.21		19.87	0.00	3,552.34
MW - 1	01/29/09	3,572.21		19.86	0.00	3,552.35
MW - 1	02/06/09	3,572.21		19.85	0.00	3,552.36
MW - 1	02/17/09	3,572.21		19.87	0.00	3,552.34
MW - 1	02/23/09	3,572.21		19.94	0.00	3,552.27
MW - 1	03/02/09	3,572.21		19.92	0.00	3,552.29
MW - 1	03/05/09	3,572.21		21.01	0.00	3,551.20
MW - 1	03/09/09	3,572.21		20.03	0.00	3,552.18
MW - 1	03/17/09	3,572.21		21.01	0.00	3,551.20
MW - 1	03/18/09	3,572.21		21.02	0.00	3,551.19
MW - 1	03/26/09	3,572.21		19.95	0.00	3,552.26
MW - 1	03/30/09	3,572.21		20.02	0.00	3,552.19
MW - 1	04/06/09	3,572.21		19.97	0.00	3,552.24
MW - 1	04/13/09	3,572.21		21.03	0.00	3,551.18
MW - 1	04/16/09	3,572.21		19.96	0.00	3,552.25
MW - 1	04/20/09	3,572.21		19.93	0.00	3,552.28
MW - 1	04/23/09	3,572.21		21.04	0.00	3,551.17
MW - 1	04/27/09	3,572.21		21.03	0.00	3,551.18
MW - 1	04/30/09	3,572.21		19.92	0.00	3,552.29
MW - 1	05/07/09	3,572.21		19.90	0.00	3,552.31
MW - 1	05/21/09	3,572.21		19.72	0.00	3,552.49
MW - 1	05/26/09	3,572.21		19.76	0.00	3,552.45
MW - 1	06/02/09	3,572.21		19.74	0.00	3,552.47
MW - 1	06/08/09	3,572.21		19.78	0.00	3,552.43

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	06/17/09	3,572.21		21.02	0.00	3,551.19
MW - 1	06/29/09	3,572.21		21.01	0.00	3,551.20
MW - 1	07/07/09	3,572.21		19.74	0.00	3,552.47
MW - 1	07/14/09	3,572.21		19.67	0.00	3,552.54
MW - 1	07/21/09	3,572.21		19.56	0.00	3,552.65
MW - 1	07/27/09	3,572.21		19.68	0.00	3,552.53
MW - 1	07/30/09	3,572.21		19.65	0.00	3,552.56
MW - 1	08/04/09	3,572.21		19.69	0.00	3,552.52
MW - 1	08/06/09	3,572.21		19.66	0.00	3,552.55
MW - 1	08/19/09	3,572.21		19.70	0.00	3,552.51
MW - 1	08/27/09	3,572.21		19.71	0.00	3,552.50
MW - 1	08/31/09	3,572.21		19.72	0.00	3,552.49
MW - 2	02/22/00	3,571.46	-	22.95	0.00	3,548.51
MW - 2	02/23/00	3,571.46	-	22.95	0.00	3,548.51
MW - 2	04/06/00	3,571.46	-	22.87	0.00	3,548.59
MW - 2	08/29/00	3,571.46	-	22.06	0.00	3,549.40
MW - 2	12/04/00	3,571.46	-	22.48	0.00	3,548.98
MW - 2	01/23/01	3,571.46	-	22.54	0.00	3,548.92
MW - 2	05/16/01	3,571.46	-	22.53	0.00	3,548.93
MW - 2	08/06/01	3,571.46	-	22.74	0.00	3,548.72
MW - 2	09/27/01	3,571.46	-	22.85	0.00	3,548.61
MW - 2	10/29/01	3,571.46	-	22.85	0.00	3,548.61
MW - 2	03/29/02	3,571.46	-	21.86	0.00	3,549.60
MW - 2	05/20/02	3,571.46	-	22.51	0.00	3,548.95
MW - 2	09/10/02	3,571.46	-	22.59	0.00	3,548.87
MW - 2	11/14/02	3,571.46	-	22.12	0.00	3,549.34
MW - 2	12/03/03	3,571.46	-	22.99	0.00	3,548.47
MW - 2	03/03/04	3,571.46	-	23.01	0.00	3,548.45
MW - 2	05/18/04	3,571.46	-	21.06	0.00	3,550.40
MW - 2	09/07/04	3,571.46	-	22.10	0.00	3,549.36
MW - 2	12/14/04	3,571.46	-	16.61	0.00	3,554.85
MW - 2	03/08/05	Unable to Gauge				
MW - 2	06/07/05	3,571.46	-	21.82	0.00	3,549.64
MW - 2	09/07/05	3,571.46	-	20.60	0.00	3,550.86
MW - 2	12/02/05	3,571.46	-	22.06	0.00	3,549.40
MW - 2	03/08/06	3,571.46	-	22.30	0.00	3,549.16
MW - 2	06/07/06	3,571.46	-	22.36	0.00	3,549.10
MW - 2	07/13/06	3,571.46	-	22.26	0.00	3,549.20
MW - 2	07/27/06	3,571.46	-	22.31	0.00	3,549.15
MW - 2	08/10/06	3,571.46	-	22.16	0.00	3,549.30
MW - 2	09/12/06	3,571.46	-	16.31	0.00	3,555.15
MW - 2	09/16/06	3,571.46	-	16.78	0.00	3,554.68
MW - 2	10/04/06	3,571.46	-	16.35	0.00	3,555.11
MW - 2	11/15/06	3,571.46	-	16.00	0.00	3,555.46
MW - 2	11/22/06	3,571.46	-	19.95	0.00	3,551.51
MW - 2	01/11/07	3,571.46	-	21.40	0.00	3,550.06
MW - 2	02/21/07	3,571.46	-	21.89	0.00	3,549.57
MW - 2	05/16/07	3,571.46	-	22.04	0.00	3,549.42
MW - 2	08/10/07	3,571.46	-	22.19	0.00	3,549.27
MW - 2	12/28/07	3,571.46	-	22.38	0.00	3,549.08
MW - 2	02/18/08	3,571.46	-	22.42	0.00	3,549.04
MW - 2	05/12/08	3,571.46	-	22.41	0.00	3,549.05

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	08/08/08	3,571.46	-	22.45	0.00	3,549.01
MW - 2	11/07/08	3,571.46	-	22.43	0.00	3,549.03
MW - 2	02/06/09	3,571.46	-	22.48	0.00	3,548.98
MW - 2	04/13/09	3,571.46	-	21.02	0.00	3,550.44
MW - 2	05/07/09	3,571.46	-	22.49	0.00	3,548.97
MW - 2	07/07/09	3,571.46	-	22.39	0.00	3,549.07
MW - 2	08/04/09	3,571.46	-	22.31	0.00	3,549.15
MW - 3	02/22/00	3,573.46	-	20.95	0.00	3,552.51
MW - 3	02/23/00	3,573.46	-	20.92	0.00	3,552.54
MW - 3	04/06/00	3,573.46	-	20.85	0.00	3,552.61
MW - 3	08/29/00	3,573.46	-	20.53	0.00	3,552.93
MW - 3	12/04/00	3,573.46	-	20.64	0.00	3,552.82
MW - 3	01/23/01	3,573.46	-	20.60	0.00	3,552.86
MW - 3	05/16/01	3,573.46	-	20.69	0.00	3,552.77
MW - 3	08/06/01	3,573.46	-	20.89	0.00	3,552.57
MW - 3	09/27/01	3,573.46	-	20.96	0.00	3,552.50
MW - 3	10/29/01	3,573.46	-	20.96	0.00	3,552.50
MW - 3	03/29/02	3,573.46	-	20.54	0.00	3,552.92
MW - 3	05/20/02	3,573.46	-	20.78	0.00	3,552.68
MW - 3	09/10/02	3,573.46	-	20.82	0.00	3,552.64
MW - 3	11/14/02	3,573.46	-	20.68	0.00	3,552.78
MW - 3	12/03/03	3,573.46	-	21.18	0.00	3,552.28
MW - 3	03/03/04	3,573.46	-	21.17	0.00	3,552.29
MW - 3	05/18/04	3,573.46	-	20.24	0.00	3,553.22
MW - 3	09/07/04	3,573.46	-	20.58	0.00	3,552.88
MW - 3	12/14/04	3,573.46	-	18.47	0.00	3,554.99
MW - 3	03/08/05	3,573.46	-	20.28	0.00	3,553.18
MW - 3	06/07/05	3,573.46	-	20.46	0.00	3,553.00
MW - 3	09/07/05	3,573.46	-	20.19	0.00	3,553.27
MW - 3	12/02/05	3,573.46	-	20.53	0.00	3,552.93
MW - 3	03/08/06	3,573.46	-	20.57	0.00	3,552.89
MW - 3	06/07/06	3,573.46	-	20.62	0.00	3,552.84
MW - 3	09/12/06	3,573.46	-	18.42	0.00	3,555.04
MW - 3	11/22/06	3,573.46	-	20.13	0.00	3,553.33
MW - 3	02/21/07	3,573.46	-	20.49	0.00	3,552.97
MW - 3	05/16/07	3,573.46	-	20.46	0.00	3,553.00
MW - 3	08/10/07	3,573.46	-	20.53	0.00	3,552.93
MW - 3	12/28/07	3,573.46	-	26.00	0.00	3,547.46
MW - 3	02/18/08	3,573.46	-	20.60	0.00	3,552.86
MW - 3	05/12/08	3,573.46	-	20.61	0.00	3,552.85
MW - 3	08/08/08	3,573.46	-	20.65	0.00	3,552.81
MW - 3	11/07/08	3,573.46	-	20.73	0.00	3,552.73
MW - 3	02/06/09	3,573.46	-	20.81	0.00	3,552.65
MW - 3	05/07/09	3,573.46	-	20.68	0.00	3,552.78
MW - 3	08/04/09	3,573.46	-	20.58	0.00	3,552.88
MW - 4	02/22/00	3,570.15	21.94	22.00	0.06	3,548.20
MW - 4	04/06/00	3,570.15	20.88	20.90	0.02	3,549.27
MW - 4	08/29/00	3,570.15	20.43	20.54	0.11	3,549.70
MW - 4	12/04/00	3,570.15	20.54	20.68	0.14	3,549.59
MW - 4	01/23/01	3,570.15	20.62	20.81	0.19	3,549.50
MW - 4	05/16/01	3,570.15	20.57	20.89	0.32	3,549.53

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	08/06/01	3,570.15	20.83	21.07	0.24	3,549.28
MW - 4	09/27/01	3,570.15	20.89	21.16	0.27	3,549.22
MW - 4	10/29/01	3,570.15	20.89	21.16	0.27	3,549.22
MW - 4	03/29/02	3,570.15	20.62	20.75	0.13	3,549.51
MW - 4	05/20/02	3,570.15	20.64	20.93	0.29	3,549.47
MW - 4	09/10/02	3,570.15	20.65	20.98	0.33	3,549.45
MW - 4	10/08/02	3,570.15	20.74	21.14	0.40	3,549.35
MW - 4	10/14/02	3,570.15	20.76	20.92	0.16	3,549.37
MW - 4	10/22/02	3,570.15	20.82	20.90	0.08	3,549.32
MW - 4	11/14/02	3,570.15	20.45	20.50	0.05	3,549.69
MW - 4	12/03/03	3,570.15	20.93	21.19	0.26	3,549.18
MW - 4	01/14/04	3,570.15	21.43	21.86	0.43	3,548.66
MW - 4	01/19/04	3,570.15	21.42	21.85	0.43	3,548.67
MW - 4	01/27/04	3,570.15	21.47	21.91	0.44	3,548.61
MW - 4	02/03/04	3,570.15	21.42	21.90	0.48	3,548.66
MW - 4	02/10/04	3,570.15	20.40	20.68	0.28	3,549.71
MW - 4	02/19/04	3,570.15	21.18	21.47	0.29	3,548.93
MW - 4	02/23/04	3,570.15	20.36	20.57	0.21	3,549.76
MW - 4	03/02/04	3,570.15	20.41	20.59	0.18	3,549.71
MW - 4	03/03/04	3,570.15	21.00	21.14	0.14	3,549.13
MW - 4	03/11/04	3,570.15	21.18	21.33	0.15	3,548.95
MW - 4	03/15/04	3,570.15	21.15	21.19	0.04	3,548.99
MW - 4	03/17/04	3,570.15	21.46	21.60	0.14	3,548.67
MW - 4	03/22/04	3,570.15	21.51	21.65	0.14	3,548.62
MW - 4	03/24/04	3,570.15	20.96	21.02	0.06	3,549.18
MW - 4	03/29/04	3,570.15	21.48	21.57	0.09	3,548.66
MW - 4	04/07/04	3,570.15	21.10	21.10	0.00	3,549.05
MW - 4	04/13/04	3,570.15	19.63	19.63	0.00	3,550.52
MW - 4	04/20/04	3,570.15	20.06	20.06	0.00	3,550.09
MW - 4	04/27/04	3,570.15	20.35	20.35	0.00	3,549.80
MW - 4	05/11/04	3,570.15	20.86	20.86	0.00	3,549.29
MW - 4	05/18/04	3,570.15	20.62	20.62	0.00	3,549.53
MW - 4	06/17/04	3,570.15	20.65	20.66	0.01	3,549.50
MW - 4	06/23/04	3,570.15	20.68	20.68	0.01	3,549.48
MW - 4	06/30/04	3,570.15	-	20.66	0.00	3,549.49
MW - 4	07/07/04	3,570.15	20.67	20.68	0.01	3,549.48
MW - 4	07/21/04	3,570.15	-	20.48	0.00	3,549.67
MW - 4	07/23/04	3,570.15	20.48	20.48	0.00	3,549.67
MW - 4	08/04/04	3,570.15	20.47	20.47	0.00	3,549.68
MW - 4	08/11/04	3,570.15	-	20.47	0.00	3,549.68
MW - 4	09/07/04	3,570.15	Sheen	19.52	0.00	3,550.63
MW - 4	09/13/04	3,570.15	Sheen	20.55	0.00	3,549.60
MW - 4	09/21/04	3,570.15	Sheen	19.59	0.00	3,550.56
MW - 4	10/12/04	3,570.15	Sheen	19.20	0.00	3,550.95
MW - 4	10/21/04	3,570.15	Sheen	19.62	0.00	3,550.53
MW - 4	10/28/04	3,570.15	Sheen	19.60	0.00	3,550.55
MW - 4	11/03/04	3,570.15	Sheen	19.89	0.00	3,550.26
MW - 4	11/10/04	3,570.15	Sheen	19.80	0.00	3,550.35
MW - 4	11/17/04	3,570.15	Sheen	19.97	0.00	3,550.18
MW - 4	12/01/04	3,570.15	Sheen	19.39	0.00	3,550.76
MW - 4	12/08/04	3,570.15	Sheen	19.49	0.00	3,550.66
MW - 4	12/14/04	3,570.15	-	19.70	0.00	3,550.45
MW - 4	12/16/04	3,570.15	Sheen	19.70	0.00	3,550.45

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	12/28/04	3,570.15	Sheen	19.51	0.00	3,550.64
MW - 4	01/05/05	3,570.15	Sheen	20.00	0.00	3,550.15
MW - 4	01/13/05	3,570.15	Sheen	19.98	0.00	3,550.17
MW - 4	01/19/05	3,570.15	Sheen	20.01	0.00	3,550.14
MW - 4	01/27/05	3,570.15	Sheen	20.08	0.00	3,550.07
MW - 4	02/03/05	3,570.15	Sheen	20.11	0.00	3,550.04
MW - 4	02/10/05	3,570.15	Sheen	20.17	0.00	3,549.98
MW - 4	02/17/05	3,570.15	Sheen	20.23	0.00	3,549.92
MW - 4	02/24/05	3,570.15	Sheen	20.19	0.00	3,549.96
MW - 4	03/03/05	3,570.15	Sheen	20.14	0.00	3,550.01
MW - 4	03/08/05	3,570.15	Sheen	20.33	0.00	3,549.82
MW - 4	03/10/05	3,570.15	Sheen	20.33	0.00	3,549.82
MW - 4	03/17/05	3,570.15	Sheen	20.29	0.00	3,549.86
MW - 4	03/24/05	3,570.15	Sheen	20.33	0.00	3,549.82
MW - 4	03/31/05	3,570.15	Sheen	20.38	0.00	3,549.77
MW - 4	04/07/05	3,570.15	Sheen	20.37	0.00	3,549.78
MW - 4	04/14/05	3,570.15	Sheen	20.29	0.00	3,549.86
MW - 4	05/24/05	3,570.15	Sheen	18.99	0.00	3,551.16
MW - 4	06/07/05	3,570.15	Sheen	20.39	0.00	3,549.76
MW - 4	06/23/05	3,570.15	Sheen	20.50	0.00	3,549.65
MW - 4	07/28/05	3,570.15	Sheen	20.50	0.00	3,549.65
MW - 4	08/24/05	3,570.15	Sheen	20.49	0.00	3,549.66
MW - 4	09/07/05	3,570.15	Sheen	20.25	0.00	3,549.90
MW - 4	09/30/05	3,570.15	-	20.30	0.00	3,549.85
MW - 4	10/28/05	3,570.15	Sheen	20.61	0.00	3,549.54
MW - 4	11/16/05	3,570.15	Sheen	20.62	0.00	3,549.53
MW - 4	12/02/05	3,570.15	-	20.67	0.00	3,549.48
MW - 4	12/30/05	3,570.15	Sheen	20.82	0.00	3,549.33
MW - 4	01/18/06	3,570.15	Sheen	20.82	0.00	3,549.33
MW - 4	02/17/06	3,570.15	Sheen	20.83	0.00	3,549.32
MW - 4	03/08/06	3,570.15	Sheen	20.75	0.00	3,549.40
MW - 4	03/20/06	3,570.15	Sheen	20.61	0.00	3,549.54
MW - 4	04/19/06	3,570.15	Sheen	20.60	0.00	3,549.55
MW - 4	05/25/06	3,570.15	Sheen	20.61	0.00	3,549.54
MW - 4	06/07/06	3,570.15	20.61	20.62	0.01	3,549.54
MW - 4	06/08/06	3,570.15	20.59	20.61	0.02	3,549.56
MW - 4	07/13/06	3,570.15	Sheen	20.59	0.00	3,549.56
MW - 4	07/27/06	3,570.15	Sheen	20.77	0.00	3,549.38
MW - 4	08/10/06	3,570.15	Sheen	20.84	0.00	3,549.31
MW - 4	09/12/06	3,570.15	-	19.65	0.00	3,550.50
MW - 4	09/16/06	3,570.15	Sheen	19.67	0.00	3,550.48
MW - 4	10/04/06	3,570.15	Sheen	19.71	0.00	3,550.44
MW - 4	11/15/06	3,570.15	Sheen	19.42	0.00	3,550.73
MW - 4	11/22/06	3,570.15	Sheen	20.10	0.00	3,550.05
MW - 4	01/11/07	3,570.15	20.42	20.43	0.01	3,549.73
MW - 4	02/05/07	3,570.15	Sheen	20.49	0.00	3,549.66
MW - 4	02/21/07	3,570.15	Sheen	20.65	0.00	3,549.50
MW - 4	03/27/07	3,570.15	20.52	20.54	0.02	3,549.63
MW - 4	05/16/07	3,570.15	Sheen	20.54	0.00	3,549.61
MW - 4	08/10/07	3,570.15	20.56	20.58	0.00	3,549.57
MW - 4	12/28/07	3,570.15	Sheen	20.83	0.00	3,549.32
MW - 4	02/18/08	3,570.15	-	20.90	0.00	3,549.25
MW - 4	02/29/08	3,570.15	20.63	20.67	0.04	3,549.51

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	04/10/08	3,570.15	20.61	20.68	0.07	3,549.53
MW - 4	05/12/08	3,570.15	20.61	20.67	0.06	3,549.53
MW - 4	06/27/08	3,570.15	20.67	20.77	0.10	3,549.47
MW - 4	07/16/08	3,570.15	20.57	20.67	0.10	3,549.57
MW - 4	08/08/08	3,570.15	20.52	20.57	0.05	3,549.62
MW - 4	08/12/08	3,570.15	odor	20.61	0.00	3,549.54
MW - 4	10/08/08	3,570.15	odor	19.78	0.00	3,550.37
MW - 4	10/24/08	3,570.15	odor	20.78	0.00	3,549.37
MW - 4	11/03/08	3,570.15	odor	20.94	0.00	3,549.21
MW - 4	11/07/08	3,570.15	odor	20.96	0.00	3,549.19
MW - 4	11/10/08	3,570.15	odor	20.98	0.00	3,549.17
MW - 4	11/17/08	3,570.15	odor	21.05	0.00	3,549.10
MW - 4	11/24/08	3,570.15	odor	20.01	0.00	3,550.14
MW - 4	12/01/08	3,570.15	odor	26.92	0.00	3,543.23
MW - 4	12/08/08	3,570.15	odor	20.11	0.00	3,550.04
MW - 4	12/15/08	3,570.15	odor	26.95	0.00	3,543.20
MW - 4	12/19/08	3,570.15	odor	20.85	0.00	3,549.30
MW - 4	12/22/08	3,570.15	odor	20.64	0.00	3,549.51
MW - 4	12/29/08	3,570.15	-		0.00	3,570.15
MW - 4	01/07/09	3,570.15	-	20.86	0.00	3,549.29
MW - 4	01/12/09	3,570.15	-	19.87	0.00	3,550.28
MW - 4	01/15/09	3,570.15	-	20.89	0.00	3,549.26
MW - 4	01/19/09	3,570.15	-	20.87	0.00	3,549.28
MW - 4	01/21/09	3,570.15	-	20.94	0.00	3,549.21
MW - 4	01/29/09	3,570.15	-	20.89	0.00	3,549.26
MW - 4	02/06/09	3,570.15	-	20.98	0.00	3,549.17
MW - 4	02/17/09	3,570.15	-	21.10	0.00	3,549.05
MW - 4	02/23/09	3,570.15	-	21.13	0.00	3,549.02
MW - 4	03/02/09	3,570.15	-	21.13	0.00	3,549.02
MW - 4	03/05/09	3,570.15	-	20.00	0.00	3,550.15
MW - 4	03/09/09	3,570.15	-	21.05	0.00	3,549.10
MW - 4	03/17/09	3,570.15	-	21.03	0.00	3,549.12
MW - 4	03/18/09	3,570.15	-	21.04	0.00	3,549.11
MW - 4	03/26/09	3,570.15	-	21.05	0.00	3,549.10
MW - 4	03/30/09	3,570.15	-	20.99	0.00	3,549.16
MW - 4	04/06/09	3,570.15	-	21.23	0.00	3,548.92
MW - 4	04/16/09	3,570.15	-	21.02	0.00	3,549.13
MW - 4	04/20/09	3,570.15	-	21.25	0.00	3,548.90
MW - 4	04/23/09	3,570.15	-	21.02	0.00	3,549.13
MW - 4	04/27/09	3,570.15	-	21.02	0.00	3,549.13
MW - 4	04/30/09	3,570.15	-	21.01	0.00	3,549.14
MW - 4	05/07/09	3,570.15	-	21.20	0.00	3,548.95
MW - 4	05/21/09	3,570.15	-	21.10	0.00	3,549.05
MW - 4	05/26/09	3,570.15	-	20.84	0.00	3,549.31
MW - 4	06/02/09	3,570.15	-	20.80	0.00	3,549.35
MW - 4	06/08/09	3,570.15	-	20.77	0.00	3,549.38
MW - 4	06/17/09	3,570.15	-	20.98	0.00	3,549.17
MW - 4	06/29/09	3,570.15	-	20.99	0.00	3,549.16
MW - 4	07/07/09	3,570.15	-	20.73	0.00	3,549.42
MW - 4	07/14/09	3,570.15	-	20.72	0.00	3,549.43
MW - 4	07/21/09	3,570.15	-	20.83	0.00	3,549.32
MW - 4	07/27/09	3,570.15	-	20.68	0.00	3,549.47
MW - 4	07/30/09	3,570.15	-	20.72	0.00	3,549.43

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	08/04/09	3,570.15	-	20.71	0.00	3,549.44
MW - 4	08/06/09	3,570.15	-	20.75	0.00	3,549.40
MW - 4	08/19/09	3,570.15	-	20.78	0.00	3,549.37
MW - 4	08/27/09	3,570.15	-	20.72	0.00	3,549.43
MW - 4	08/31/09	3,570.15	-	20.73	0.00	3,549.42
MW - 5	02/22/00	3,562.92	-	19.81	0.00	3,543.11
MW - 5	02/23/00	3,562.92	-	19.80	0.00	3,543.12
MW - 5	04/06/00	3,572.92	-	19.74	0.00	3,553.18
MW - 5	08/29/00	3,572.92	-	19.33	0.00	3,553.59
MW - 5	12/04/00	3,572.92	-	19.46	0.00	3,553.46
MW - 5	01/23/01	3,572.92	-	19.52	0.00	3,553.40
MW - 5	05/16/01	3,572.92	-	19.55	0.00	3,553.37
MW - 5	08/06/01	3,572.92	-	19.80	0.00	3,553.12
MW - 5	09/27/01	3,572.92	-	19.86	0.00	3,553.06
MW - 5	10/29/01	3,572.92	-	19.86	0.00	3,553.06
MW - 5	03/29/02	3,572.92	-	19.19	0.00	3,553.73
MW - 5	05/20/02	3,572.92	-	19.65	0.00	3,553.27
MW - 5	09/10/02	3,572.92	-	19.72	0.00	3,553.20
MW - 5	11/14/02	3,572.92	-	19.55	0.00	3,553.37
MW - 5	12/03/03	3,572.92	-	20.09	0.00	3,552.83
MW - 5	05/18/04	3,572.92	-	18.90	0.00	3,554.02
MW - 5	09/07/04	3,572.92	-	19.34	0.00	3,553.58
MW - 5	12/14/04	3,572.92	-	15.53	0.00	3,557.39
MW - 5	03/08/05	3,572.92	-	18.68	0.00	3,554.24
MW - 5	06/07/05	3,572.92	-	19.12	0.00	3,553.80
MW - 5	09/07/05	3,572.92	-	18.55	0.00	3,554.37
MW - 5	12/02/05	3,572.92	-	19.24	0.00	3,553.68
MW - 5	03/08/06	3,572.92	-	19.32	0.00	3,553.60
MW - 5	06/07/06	3,572.92	-	19.39	0.00	3,553.53
MW - 5	09/12/06	3,572.92	-	15.41	0.00	3,557.51
MW - 5	11/22/06	3,572.92	-	18.49	0.00	3,554.43
MW - 5	02/21/07	3,572.92	-	19.16	0.00	3,553.76
MW - 5	05/16/07	3,572.92	-	19.07	0.00	3,553.85
MW - 5	08/10/07	3,572.92	-	19.27	0.00	3,553.65
MW - 5	12/28/07	3,572.92	-	19.35	0.00	3,553.57
MW - 5	02/18/08	3,572.92	-	19.35	0.00	3,553.57
MW - 5	05/08/08	3,572.92	-	19.38	0.00	3,553.54
MW - 5	08/08/08	3,572.92	-	19.46	0.00	3,553.46
MW - 5	11/07/08	3,572.92	-	19.55	0.00	3,553.37
MW - 5	02/06/09	3,572.92	-	19.66	0.00	3,553.26
MW - 5	05/07/09	3,572.92	-	19.52	0.00	3,553.40
MW - 5	08/04/09	3,572.92	-	19.37	0.00	3,553.55
MW - 6	09/18/01	3,572.11	-	19.90	0.00	3,552.21
MW - 6	09/27/01	3,572.11	-	19.86	0.00	3,552.25
MW - 6	10/29/01	3,572.11	-	19.86	0.00	3,552.25
MW - 6	03/29/02	3,572.11	-	19.62	0.00	3,552.49
MW - 6	05/20/02	3,572.11	-	19.56	0.00	3,552.55
MW - 6	09/10/02	3,572.11	-	19.68	0.00	3,552.43
MW - 6	11/14/02	3,572.11	-	19.52	0.00	3,552.59
MW - 6	12/03/03	3,572.11	-	20.06	0.00	3,552.05
MW - 6	05/18/04	3,572.11	-	18.25	0.00	3,553.86

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	09/07/04	3,572.11	-	18.85	0.00	3,553.26
MW - 6	12/14/04	3,572.11	-	17.65	0.00	3,554.46
MW - 6	03/08/05	3,572.11	-	18.11	0.00	3,554.00
MW - 6	06/07/05	3,572.11	-	18.28	0.00	3,553.83
MW - 6	09/07/05	3,572.11	-	18.01	0.00	3,554.10
MW - 6	12/02/05	3,572.11	-	18.44	0.00	3,553.67
MW - 6	03/08/06	3,572.11	-	18.53	0.00	3,553.58
MW - 6	06/07/06	3,572.11	-	18.66	0.00	3,553.45
MW - 6	09/12/06	3,572.11	-	17.39	0.00	3,554.72
MW - 6	11/22/06	3,572.11	-	18.07	0.00	3,554.04
MW - 6	02/21/07	3,572.11	-	18.36	0.00	3,553.75
MW - 6	05/16/07	3,572.11	-	18.37	0.00	3,553.74
MW - 6	08/10/07	3,572.11	-	18.51	0.00	3,553.60
MW - 6	12/28/07	3,572.11	-	19.57	0.00	3,552.54
MW - 6	02/18/08	3,572.11	-	18.58	0.00	3,553.53
MW - 6	05/08/08	3,572.11	-	18.64	0.00	3,553.47
MW - 6	08/08/08	3,572.11	-	18.88	0.00	3,553.23
MW - 6	11/07/08	3,572.11	-	19.35	0.00	3,552.76
MW - 6	02/06/09	3,572.11	-	19.55	0.00	3,552.56
MW - 6	05/07/09	3,572.11	-	18.94	0.00	3,553.17
MW - 6	08/04/09	3,572.11	-	18.56	0.00	3,553.55
MW - 7	09/18/01	3,569.75	-	23.35	0.00	3,546.40
MW - 7	09/27/01	3,569.75	-	23.35	0.00	3,546.40
MW - 7	10/29/01	3,569.75	-	23.35	0.00	3,546.40
MW - 7	03/29/02	3,569.75	-	19.82	0.00	3,549.93
MW - 7	04/16/02	3,569.75	-	22.28	0.00	3,547.47
MW - 7	05/13/02	3,569.75	-	22.90	0.00	3,546.85
MW - 7	05/20/02	3,569.75	-	22.95	0.00	3,546.80
MW - 7	09/10/02	3,569.75	-	23.00	0.00	3,546.75
MW - 7	11/14/02	3,569.75	-	21.19	0.00	3,548.56
MW - 7	12/03/03	3,569.75	-	23.54	0.00	3,546.21
MW - 7	05/18/04	3,569.75	-	21.38	0.00	3,548.37
MW - 7	09/07/04	3,569.75	-	22.35	0.00	3,547.40
MW - 7	12/14/04	3,569.75	-	18.25	0.00	3,551.50
MW - 7	03/08/05	3,569.75	-	21.48	0.00	3,548.27
MW - 7	06/07/05	3,569.75	-	22.27	0.00	3,547.48
MW - 7	09/07/05	3,569.75	-	21.21	0.00	3,548.54
MW - 7	12/02/05	3,569.75	-	22.64	0.00	3,547.11
MW - 7	03/08/06	3,569.75	-	22.99	0.00	3,546.76
MW - 7	06/07/06	3,569.75	-	23.06	0.00	3,546.69
MW - 7	09/12/06	3,569.75	-	15.57	0.00	3,554.18
MW - 7	11/22/06	3,569.75	-	20.81	0.00	3,548.94
MW - 7	02/21/07	3,569.75	-	22.41	0.00	3,547.34
MW - 7	05/16/07	3,569.75	-	22.60	0.00	3,547.15
MW - 7	08/10/07	3,569.75	-	22.84	0.00	3,546.91
MW - 7	12/28/07	3,569.75	-	23.05	0.00	3,546.70
MW - 7	02/18/08	3,569.75	-	23.12	0.00	3,546.63
MW - 7	05/08/08	3,569.75	-	23.16	0.00	3,546.59
MW - 7	08/08/08	3,569.75	-	23.19	0.00	3,546.56
MW - 7	11/07/08	3,569.75	-	23.15	0.00	3,546.60
MW - 7	02/06/09	3,569.75	-	23.31	0.00	3,546.44
MW - 7	05/07/09	3,569.75	-	23.34	0.00	3,546.41

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	08/04/09	3,569.75	-	23.01	0.00	3,546.74
MW-8	10/07/05	3,573.59	-	20.75	0.00	3,552.84
MW-8	12/02/05	3,573.59	-	20.90	0.00	3,552.69
MW-8	03/08/06	3,573.59	-	20.95	0.00	3,552.64
MW-8	06/07/06	3,573.59	-	21.06	0.00	3,552.53
MW-8	09/12/06	3,573.59	-	15.85	0.00	3,557.74
MW-8	11/22/06	3,573.59	-	20.53	0.00	3,553.06
MW-8	02/21/07	3,573.59	-	20.93	0.00	3,552.66
MW-8	05/16/07	3,573.59	-	21.96	0.00	3,551.63
MW-8	08/10/07	3,573.59	-	21.01	0.00	3,552.58
MW-8	12/28/07	3,573.59	-	21.04	0.00	3,552.55
MW-8	02/18/08	3,573.59	-	21.06	0.00	3,552.53
MW-8	05/08/08	3,573.59	-	21.08	0.00	3,552.51
MW-8	08/08/08	3,573.59	-	21.19	0.00	3,552.40
MW-8	11/07/08	3,573.59	-	21.11	0.00	3,552.48
MW-8	02/06/09	3,573.59	-	21.19	0.00	3,552.40
MW-8	05/07/09	3,573.59	-	21.14	0.00	3,552.45
MW-8	08/04/09	3,573.59	-	21.08	0.00	3,552.51

Note: "-" denotes no PSH measured during gauging.

Elevations based on the North American Vertical Datum of 1929.

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

All results 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	02/23/00	0.12	0.02	0.011	0.073	0.039
MW - 1	04/06/00	0.355	0.024	0.022	0.274	0.083
MW - 1	05/18/04	1.74	0.031	0.218	1.16	0.415
MW - 1	09/07/04	1.16	0.011	0.189	1.21	0.335
MW - 1	12/14/04	0.309	<0.005	0.116	0.572	
MW - 1	03/08/05	0.19	0.0198	0.173	0.556	
MW - 1	06/07/05	0.554	<0.2	<0.2	0.572	
MW - 1	09/07/05	0.639	<0.01	0.204	0.985	
MW - 1	12/02/05	0.299	<0.1	<0.1	<0.1	
MW - 1	03/08/06	0.247	<0.02	0.0436	0.154	
MW - 1	06/07/06	0.198	<0.005	0.0324	0.117	
MW - 1	09/12/06	0.303	<0.2	<0.2	0.498	
MW - 1	11/22/06	0.407	<0.001	0.323	0.949	
MW - 1	02/21/07	0.283	<0.05	0.14	0.348	
MW - 1	05/16/07	0.213	<0.02	0.118	0.356	
MW - 1	08/10/07	0.0109	<0.001	0.0038	0.0099	
MW - 1	12/28/07	0.139	<0.005	0.0596	0.0882	
MW - 1	02/18/08	0.117	<0.001	0.0303	0.0642	
MW - 1	05/12/08	0.102	<0.001	0.0054	0.0079	
MW - 1	08/08/08	0.105	<0.001	0.0310	0.0326	
MW - 1	11/07/08	0.0375	<0.001	0.0060	0.0049	
MW - 1	02/06/09	0.0110	<0.001	<0.001	<0.001	
MW - 1	05/07/09	0.0148	<0.001	<0.001	0.0070	
MW - 1	08/04/09	0.0197	<0.001	<0.001	<0.001	
MW - 2	02/23/00	0.196	0.004	<0.001	0.037	0.003
MW - 2	04/06/00	0.278	0.005	0.002	0.086	<0.001
MW - 2	08/29/00	0.272	0.007	0.026	0.055	0.026
MW - 2	12/04/00	0.046	<0.001	0.006	0.009	0.002
MW - 2	01/23/01	0.111	<0.001	0.006	0.016	0.001
MW - 2	05/16/01	0.0937	<0.001	<0.001	0.0013	
MW - 2	08/06/01	0.096	<0.001	0.025	0.013	0.002
MW - 2	10/29/01	0.049	<0.001	0.024	0.003	0.001
MW - 2	03/29/02	0.025	0.004	0.023	0.101	0.036
MW - 2	05/20/02	0.025	<0.001	0.037	0.048	0.03
MW - 2	09/10/02	0.042	<0.001	0.019	0.018	0.007
MW - 2	11/14/02	0.032	<0.001	0.018	0.032	0.013
MW - 2	12/03/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 2	03/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 2	05/18/04	0.00726	<0.001	0.00802	0.0169	0.00673
MW - 2	09/07/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 2	12/14/04	0.0039	<0.001	0.0139	0.0149	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

All results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5630				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p-XYLENES	o -XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62	
MW - 2	03/08/05	Not sampled due to well obstruction				
MW - 2	06/07/05	<0.001	<0.001	<0.001	<0.001	
MW - 2	09/07/05	0.0022	<0.001	0.0238	0.0361	
MW - 2	12/02/05	0.0017	<0.001	0.0024	0.0025	
MW - 2	03/08/06	0.0058	<0.001	0.0054	0.0112	
MW - 2	06/07/06	<0.005	<0.005	<0.005	<0.005	
MW - 2	09/12/06	0.0092	<0.001	0.105	0.184	
MW - 2	11/22/06	0.0044	<0.001	0.0313	0.0384	
MW - 2	02/21/07	0.002	<0.001	0.005	0.0109	
MW - 2	05/16/07	<0.001	<0.001	0.0086	0.0122	
MW - 2	08/10/07	0.004	<0.001	0.0076	0.0201	
MW - 2	12/28/07	0.0019	<0.001	0.0057	0.0074	
MW - 2	02/18/08	0.0014	<0.001	0.0017	0.0033	
MW - 2	05/12/08	<0.001	<0.001	<0.001	0.0015	
MW - 2	08/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 2	11/07/08	<0.001	<0.001	<0.001	<0.001	
MW - 2	02/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 2	05/07/09	<0.001	<0.001	<0.001	<0.001	
MW - 2	08/04/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/23/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	04/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	08/29/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	12/04/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	01/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	05/16/01	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/06/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	10/29/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	03/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	05/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	09/10/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	12/03/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	03/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	12/14/04	<0.001	<0.001	<0.001	<0.001	
MW - 3	03/08/05	Not Sampled on Current Sample Schedule				
MW - 3	06/07/05	Not Sampled on Current Sample Schedule				
MW - 3	09/07/05	Not Sampled on Current Sample Schedule				
MW - 3	12/02/05	<0.001	<0.001	<0.001	<0.001	
MW - 3	03/08/06	Not Sampled on Current Sample Schedule				
MW - 3	06/07/06	Not Sampled on Current Sample Schedule				
MW - 3	09/12/06	Not Sampled on Current Sample Schedule				

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

All results 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 - 3	11/22/06	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/21/07	Not Sampled on Current Sample Schedule				
MW - 3	05/16/07	Not Sampled on Current Sample Schedule				
MW - 3	08/10/07	Not Sampled on Current Sample Schedule				
MW - 3	12/28/07	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/07/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	05/18/04	<0.001	<0.001	0.00157	0.00684	<0.001
MW - 4	09/07/04	<0.001	<0.001	0.00225	<0.002	<0.001
MW - 4	12/14/04	<0.005	<0.005	<0.005	<0.005	
MW - 4	03/08/05	0.0189	0.0165	<0.01	0.0379	
MW - 4	06/07/05	<0.005	<0.005	<0.005	<0.005	
MW - 4	09/07/05	<0.005	<0.005	<0.005	<0.005	
MW - 4	12/02/05	<0.001	<0.001	<0.001	<0.001	
MW - 4	03/08/06	<0.001	<0.001	<0.001	<0.001	
MW - 4	06/07/06	Not sampled				
MW - 4	09/12/06	<0.001	<0.001	<0.001	<0.001	
MW - 4	11/22/06	0.0018	<0.001	<0.001	0.0021	
MW - 4	02/21/07	<0.001	<0.001	<0.001	0.0049	
MW - 4	05/16/07	<0.001	<0.001	<0.001	0.0019	
MW - 4	08/10/07	<0.001	<0.001	<0.001	<0.001	
MW - 4	12/28/07	<0.001	<0.001	<0.001	0.0015	
MW - 4	02/18/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	05/12/08	0.0016	<0.001	<0.001	<0.001	
MW - 4	08/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	11/07/08	0.0088	0.0213	0.0052	0.0256	
MW - 4	02/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 4	05/07/09	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/04/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/23/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	04/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	08/29/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	12/04/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	01/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	05/16/01	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/06/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	10/29/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	03/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	05/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	09/10/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

All results 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 - 5	12/03/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 5	03/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 5	12/14/04	<0.001	<0.001	<0.001	<0.001	
MW - 5	03/08/05	Not Sampled on Current Sample Schedule				
MW - 5	06/07/05	Not Sampled on Current Sample Schedule				
MW - 5	09/07/05	Not Sampled on Current Sample Schedule				
MW - 5	12/02/05	<0.001	<0.001	<0.001	<0.001	
MW - 5	03/08/06	Not Sampled on Current Sample Schedule				
MW - 5	06/07/06	Not Sampled on Current Sample Schedule				
MW - 5	09/12/06	Not Sampled on Current Sample Schedule				
MW - 5	11/22/06	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/21/07	Not Sampled on Current Sample Schedule				
MW - 5	05/16/07	Not Sampled on Current Sample Schedule				
MW - 5	08/10/07	Not Sampled on Current Sample Schedule				
MW - 5	12/28/07	<0.001	<0.001	<0.001	<0.001	
MW - 5	11/07/08	<0.001	<0.001	0.0012	0.0038	
MW - 6	09/27/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	10/29/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	03/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	05/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	09/10/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	12/03/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 6	03/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 6	12/14/04	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/08/05	Not Sampled on Current Sample Schedule				
MW - 6	06/07/05	Not Sampled on Current Sample Schedule				
MW - 6	09/07/05	Not Sampled on Current Sample Schedule				
MW - 6	12/02/05	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/08/06	Not Sampled on Current Sample Schedule				
MW - 6	06/07/06	Not Sampled on Current Sample Schedule				
MW - 6	09/12/06	Not Sampled on Current Sample Schedule				
MW - 6	11/22/06	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/21/07	Not Sampled on Current Sample Schedule				
MW - 6	05/16/07	Not Sampled on Current Sample Schedule				
MW - 6	08/10/07	Not Sampled on Current Sample Schedule				
MW - 6	12/28/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/07/08	<0.001	<0.001	<0.001	<0.001	
MW - 7	09/27/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	10/29/01	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

LF - 59

LEA COUNTY, NEW MEXICO

All results 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 - 7	03/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	05/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/10/02	0.008	0.006	0.003	0.017	0.007
MW - 7	11/14/02	0.009	0.009	0.005	0.029	0.012
MW - 7	12/03/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	03/03/04	0.00146	<0.001	<0.001	0.00369	<0.001
MW - 7	12/14/04	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/08/05	Not Sampled on Current Sample Schedule				
MW - 7	06/07/05	<0.001	<0.001	<0.001	<0.001	
MW - 7	09/07/05	Not Sampled on Current Sample Schedule				
MW - 7	12/02/05	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/08/06	Not Sampled on Current Sample Schedule				
MW - 7	06/07/06	<0.005	<0.005	<0.005	<0.005	
MW - 7	09/12/06	Not Sampled on Current Sample Schedule				
MW - 7	11/22/06	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/21/07	Not Sampled on Current Sample Schedule				
MW - 7	05/16/07	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/10/07	Not Sampled on Current Sample Schedule				
MW - 7	12/28/07	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 7	11/07/08	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/07/09	<0.001	<0.001	0.0062	0.0088	
MW - 8	10/10/05	<0.001	<0.001	<0.001	<0.001	
MW - 8	12/02/05	<0.001	<0.001	<0.001	<0.001	
MW - 8	03/08/06	<0.001	<0.001	<0.001	<0.001	
MW - 8	06/07/06	<0.005	<0.005	<0.005	<0.005	
MW - 8	09/12/06	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/22/06	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/21/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/16/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/10/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	12/28/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/18/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/07/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/07/09	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/04/09	<0.001	0.0048	<0.001	0.0152	

APPENDICES

APPENDIX A:
Notification of Release and Corrective Action
(Form C-141)

811 South Main
 Artesia, NM 88210
 (505) 334-6170
 1000 Rio Brazos Road
 Artesia, NM 87410
 (505) 827-7131

Oil Conservation Division
 2040 South Pacheco Street
 Santa Fe, New Mexico 87505
 (505) 827-7131

STATE Byrd LF. 1999-59

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: OTT Energy Pipeline	Contact: Lennah Frost
Address: PO Box 1660	Telephone No.: 915/6843467
Facility Name:	Facility Type: Pipeline

Surface Owner: State of New Mexico	Mineral Owner:	Lease No.:
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LOCATION OF RELEASE

Unit Letter: L	Section: 32	Township: 19S	Range: 37E	Feet from the North/South Line:	Feet from the East/West Line:	County: Lea
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NATURE OF RELEASE

Type of Release: Crude oil	Volume of Release: 260 bbl/s	Volume Recovered: 200 bbl/s
Source of Release: Crude oil Pipeline	Date and Hour of Occurrence: 7/8/99 1PM	Date and Hour of Discovery: 7/8/99 1PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Chris Williams	
By Whom? Lennah Frost	Date and Hour: 7/8/99 - 2:30P	
Was a Watersource Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watersource:	

If a Watersource was impacted, Describe Fully (Attach Additional Sheets if Necessary)

Describe Cause of Problem and Remedial Action Taken (Attach Additional Sheets if Necessary)

Internal Corrosion - Leak Clamped off will replace pipe ASAP

Describe Area Affected and Cleanup Action Taken (Attach Additional Sheets if Necessary)

Spill occurred in a previously remediated site. Will evaluate for cleanup this week

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 poses a threat to ground water, surface water, human health or the environment. In addition, NMOC 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: Lennah Frost	OIL CONSERVATION DIVISION	
Printed Name: Lennah Frost	Approved by District Supervisor:	Expiration Date:
Title: SR. ENV. ENG	Approval Date:	Attached ☐
Date: 7-20-99	Phone: 915/6843467	Conditions of Approval: