1R - 103

REPORTS

DATE:

2005

PLAINS
ALL AMERICAN

March 29, 2005

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

Re: Plains All American – Annual Monitoring Reports
21 Sites in Lea County, New Mexico

Dear Mr. Martin:

Plains All American is an operator of crude oil pipelines and terminal facilities in the state of New Mexico. Plains All American actively monitors certain historical release sites exhibiting groundwater impacts, consistent with assessments and work plans developed in consultation with the New Mexico Oil Conservation Division (NMOCD). In accordance with the rules and regulations of the NMOCD, Plains All American hereby submits our Annual Monitoring reports for the following sites:

LF-59	Section 32, Township 19 South, Range 37 East, Lea County
TNM 97-04	Section 11, Township 16 South, Range 35 East, Lea County
HDO 90-23	Section 06, Township 20 South, Range 37 East, Lea County
Darr Angell 2	Section 11,14, Township 15 South, Range 37 East, Lea County
SPS 11	Section 18, Township 18 South, Range 36 East, Lea County
TNM 97-17	Section 21, Township 20 South, Range 37 East, Lea County
TNM 97-18	Section 28, Township 20 South, Range 37 East, Lea County
TNM 98-05A	Section 26, Township 21 South, Range 37 East, Lea County
Red Byrd # 1	Section 01, Township 20 South, Range 36 East, Lea County
Bob Durham	Section 31, 32, Township 19 South, Range 37 East, Lea County
Monument Site 11	Section 30, Township 19 South, Range 37 East, Lea County
Darr Angell 1	Section 11, Township 15 South, Range 37 East, Lea County
TNM 98-05B	Section 26, Township 21 South, Range 37 East, Lea County
Monument Site 2	Section 6, 7, Township 20 South, Range 37 East, Lea County
Monument Site 10	Section 32, Township 19 South, Range 37 East, Lea County
Monument Site 17	Section 29, Township 19 South, Range 37 East, Lea County
Monument Site 18	Section 07, Township 20 South, Range 37 East, Lea County
Monument Barber 10" PL	Section 32, Township 19 South, Range 37 East, Lea County
Darr Angell 4	Section 11, 02, Township 15 South, Range 37 East, Lea County
Monument to Lea 6"	Section 05, Township 20 South, Range 37 East, Lea County
Texaco Skelly "F"	Section 21, Township 20 South, Range 37 East, Lea County

PLAINS
ALL AMERICAN

Nova prepared these documents and has vouched for their accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the documents and interviewed Nova in order to verify the accuracy and completeness of these documents. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Reports for the above 21 facilities.

If you have any questions or require further information, please contact me at (505) 441-0965.

Sincerely,

for CR

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

2004
ANNUAL MONITORING REPORT

1R-103

LF-59
LEA COUNTY, NEW MEXICO
NW ¼ SW ¼ SECTION 32, TOWNSHIP 19 SOUTH, RANGE 37 EAST
PLAINS EMS NUMBER: TNM-LF-59

Prepared For:

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

NOVA
safety and environmental

Prepared By:

NOVA Safety and Environmental
2057 Commerce Street
Midland, Texas 79703

April, 2005

Ryan Epley
Geologist / Project Manager

Todd K. Choban
Vice President Technical Services

TABLE OF CONTENTS

ENCLOSED ON DATA DISK

2004 Annual Monitoring Report
2004 Tables 1 and 2 - Groundwater Elevation and BTEX Concentration Data
2004 Figures 1, 2A-2D, and 3A-3D
Electronic Copies of Laboratory Reports
Historic Table 1 and 2 - Groundwater Elevation and BTEX 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 site was previously managed by Environmental Technology Group, Inc (ETGI). The LF-59 pipeline release site (the site), which was formerly the responsibility of Enron Oil Trading and Transportation (EOTT), is now the responsibility of Plains. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2004 only. However, historic data tables as well as 2004 laboratory analytical reports are enclosed electronically. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each of four (4) quarters during 2004 to assess the levels and extent of dissolved phase and phase separated hydrocarbon (PSH) constituents. Each groundwater monitoring event consisted of measuring static water levels in monitor wells, checking for the presence of PSH atop the water column, and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The LF-59 site occurred as two separate releases of unknown volumes on unknown dates. The release occurred from an 8-inch pipeline and was attributed to structural failure associated with internal pipeline corrosion. Approximately 6,900 cubic yards of impacted soil was excavated, sorted, shredded and combined with fertilizer to enhance bioremediation rates. Approximately 550 cubic yards of caliche rock is also stockpiled on-site as a result of the previously referenced soil treatment activity. The soil was spread onto an on-site treatment cell for aeration in March 2003. Soil in the treatment cell was sampled for baseline concentrations of Total Petroleum Hydrocarbons (TPH) and Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations using EPA Methods 8015M and 8260b, respectively.

Seven groundwater monitor wells (MW-1 through MW-7) are currently on-site. Manual product recovery is being conducted at monitor wells MW-1 and MW-4. Site access was restricted by the surface lessee during 2003, who has allowed site access to resume in 2004.

FIELD ACTIVITIES

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:

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

The site monitor wells were gauged and sampled on the following dates in 2004: March 3rd, May 18th, September 7th, and December 14th. During each sampling event, sampled monitor wells were purged of approximately three well volumes of water or until the wells failed to produce water using a PVC bailer or electric Grundfos Pump. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were collected in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of by Key Energy of Hobbs, New Mexico utilizing a licensed disposal facility (NMOCD AO SWD-730).

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during the four (4) quarterly monitoring events, are depicted on Figures 2A through 2D, the Inferred Groundwater Gradient Maps. Groundwater elevation data for 2004 is provided as Table 1. Historic groundwater elevation data beginning at project inception is enclosed on the attached data disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.014 ft./ft. to the southwest as measured between groundwater monitor wells MW-1 and MW-2. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3,547.40 and 3,557.36 feet above mean sea level, in MW-7 on September 7, 2004 and MW-1 on December 14, 2004, respectively.

During the reporting period, a measurable thickness of PSH was detected in monitor wells MW-1 and MW-4 during the first quarter monitoring event only. These measurements were 0.41 and 0.14 feet, respectively. Approximately 5 gallons of PSH was recovered from the site during the reporting period, with 56 gallons of PSH having been recovered from this site since project inception. Measurable thicknesses of PSH have diminished to a sheen in monitor wells MW-1 and MW-4 since the summer of 2004 and are recorded in Table 1 and Figures 3A-3D.

LABORATORY RESULTS

Groundwater samples collected during the first three (3) monitoring events of 2004 were delivered to AnalySys Inc., Austin, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method SW846-8260b. Fourth quarter sample analysis was performed by Trace Analysis, Inc., Lubbock, Texas for determination of BTEX constituent concentrations by EPA Method SW846-8021b. A listing of BTEX constituent concentrations for 2004 is summarized in Table 2 and an electronic copy of the laboratory reports is provided on the enclosed disk. The inferred extent of PSH on-site and quarterly groundwater sampling results for benzene and total BTEX concentrations are depicted on Figures 3A through 3D.

Laboratory analysis of groundwater samples obtained during the reporting period indicates benzene and total BTEX concentrations were below applicable NMOCD regulatory standards in monitor wells MW-2 through MW-7. Laboratory analysis of groundwater samples collected during the reporting period indicates benzene concentrations above the NMOCD regulatory standard in monitor well MW-1 during each quarterly event of 2004 and indicates total BTEX constituent concentrations above the NMOCD regulatory standard during the second and third quarterly events. Analytical results of samples collected from monitor well MW-1 during the fourth quarter indicate total BTEX constituent concentrations below the NMOCD regulatory standard. Additionally, first quarter monitoring data collected on March 3, 2004 indicates monitor wells MW-1 and MW-4 contained measurable thicknesses of PSH and were not sampled.

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 2004 annual monitoring period. Seven groundwater monitor wells (MW-1 through MW-7) are currently on-site. Manual product recovery is being conducted at monitor wells MW-1 and MW-4. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.014 ft./ft. to the southwest.

As discussed above, two (2) monitor wells, MW-1 and MW-4, contained measurable thicknesses of PSH during the first quarter of 2004. Approximately 5 gallons of PSH was recovered from the site during 2004, with 56 gallons of PSH having been recovered since project inception. At this time, PSH impact appears to be limited to MW-1 and MW-4, both of which diminished to a sheen during the later gauging events of 2004.

A review of the laboratory analytical results groundwater samples obtained during the reporting period indicate benzene and total BTEX concentrations were above applicable NMOCD regulatory standards in monitor well MW-1 only. All other sample locations displayed constituent concentrations below the applicable NMOCD regulatory standard during the reporting period. However, first quarter monitoring data collected on March 3, 2004 indicates monitor wells MW-1 and MW-4 contained measurable thicknesses of PSH and were not sampled.

Dissolved phase impact above the applicable NMOCD regulatory limit appears to be limited to MW-1 at this time. From 2000 to 2002, groundwater samples collected monitor well MW-2 displayed concentrations of benzene and BTEX constituents above the NMOCD regulatory standard. However, since 2002 MW-2 has exhibited constituent concentrations below the NMOCD standard. This appears to indicate a diminishing dissolved phase impact in the area of monitor wells MW-1 and MW-2.

The Release Notification and Corrective Action Form (C-141) is provided as Appendix A.

ANTICIPATED ACTIONS

Monitoring and gauging will continue through 2005. A work plan is currently in place to verify the up-gradient extent of impact to groundwater in the area northeast of monitor well MW-1. Plains anticipates the installation of one (1) new monitor well location northeast of monitor well MW-1 in the Spring of 2005 pending landowner access.

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 Martin
New Mexico Energy, Minerals and Natural Resources Department
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New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
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Midland, TX 79703
repley@novatraining.cc

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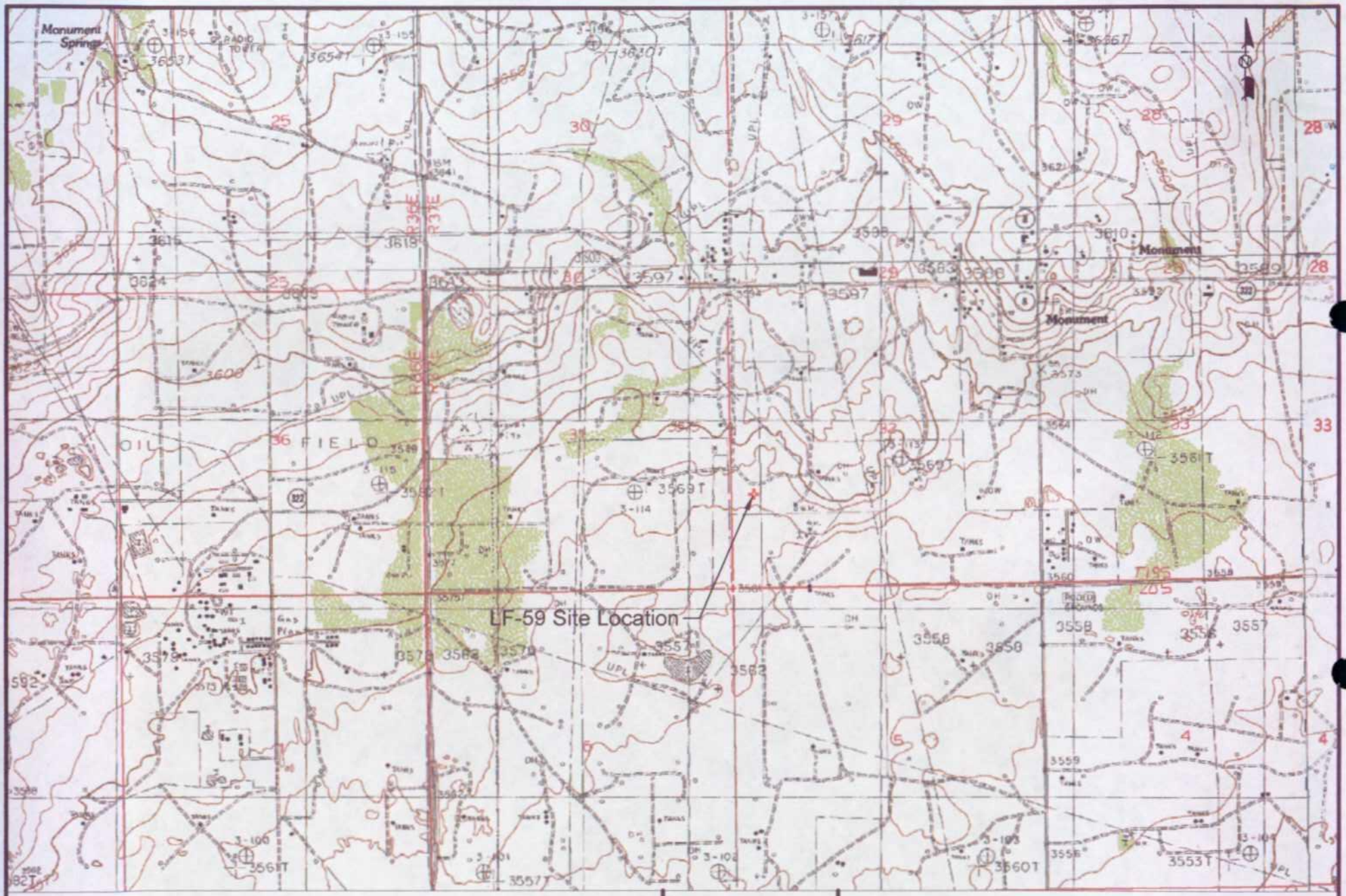
Figures



NW 1/4 SW 1/4 Sec 32 T19S, R37E
32° 36' 50.1" N
103° 16' 47.6" W

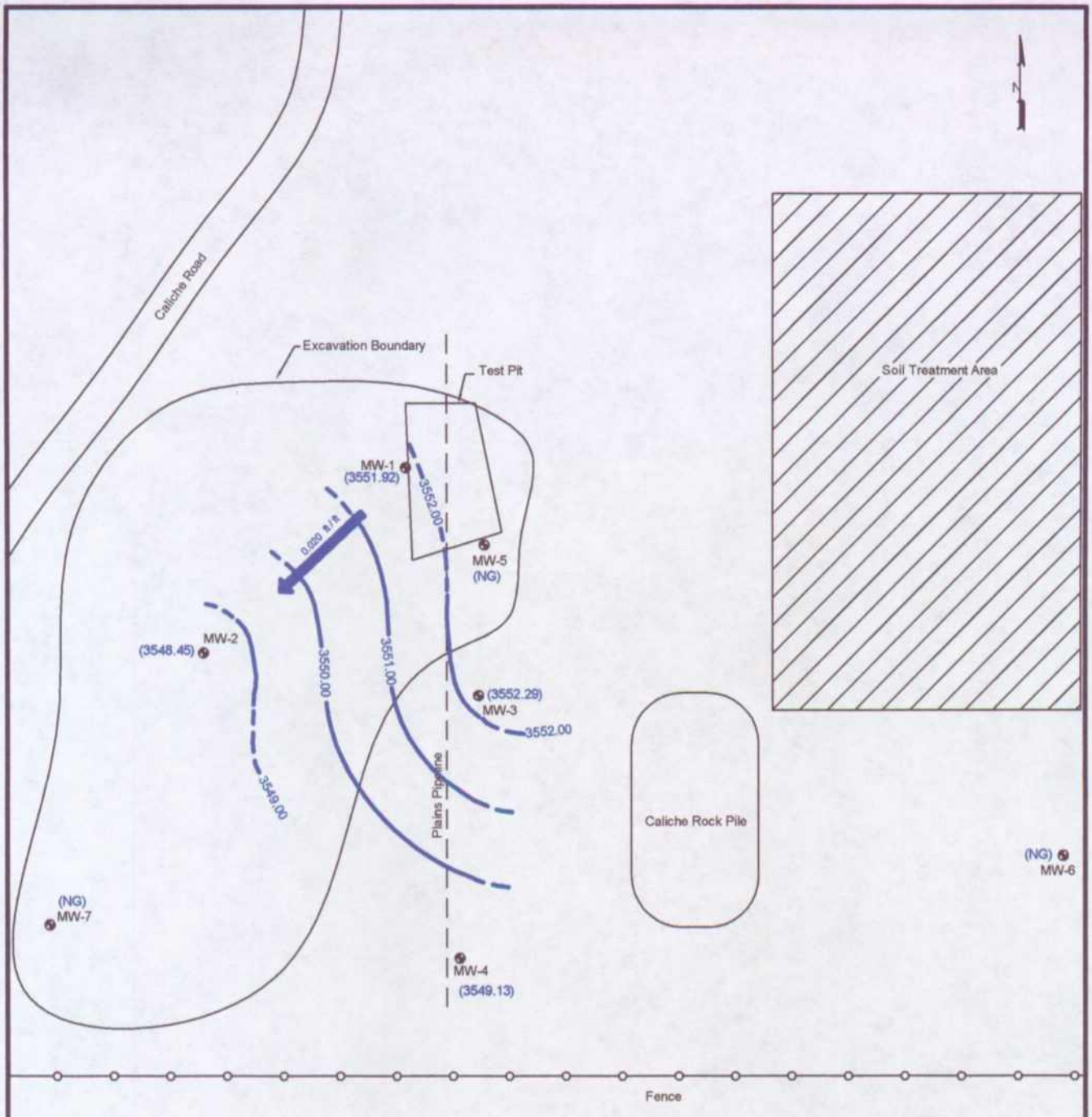
Figure 1
Site Location Map

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

NOVA Safety and Environmental

NOVA safety and environmental

Scale: NTS	Prep By: DPM	Checked By: MRE
February 15, 2005		



NOTE:
- Contour Line Interval = 1.0 '
- Groundwater Gradient Slope Measured Between MW-1 and MW-2

100 50 0 50 100

Distance in Feet

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

LEGEND:

- Plains Marketing, L.P. Monitor Well Locations
- (3552.29) Groundwater Elevation in Feet
- Groundwater Elevation Contour Line
- 0.020 ft / ft Groundwater Direction + Magnitude
- NG Not Gauged

Figure 2A

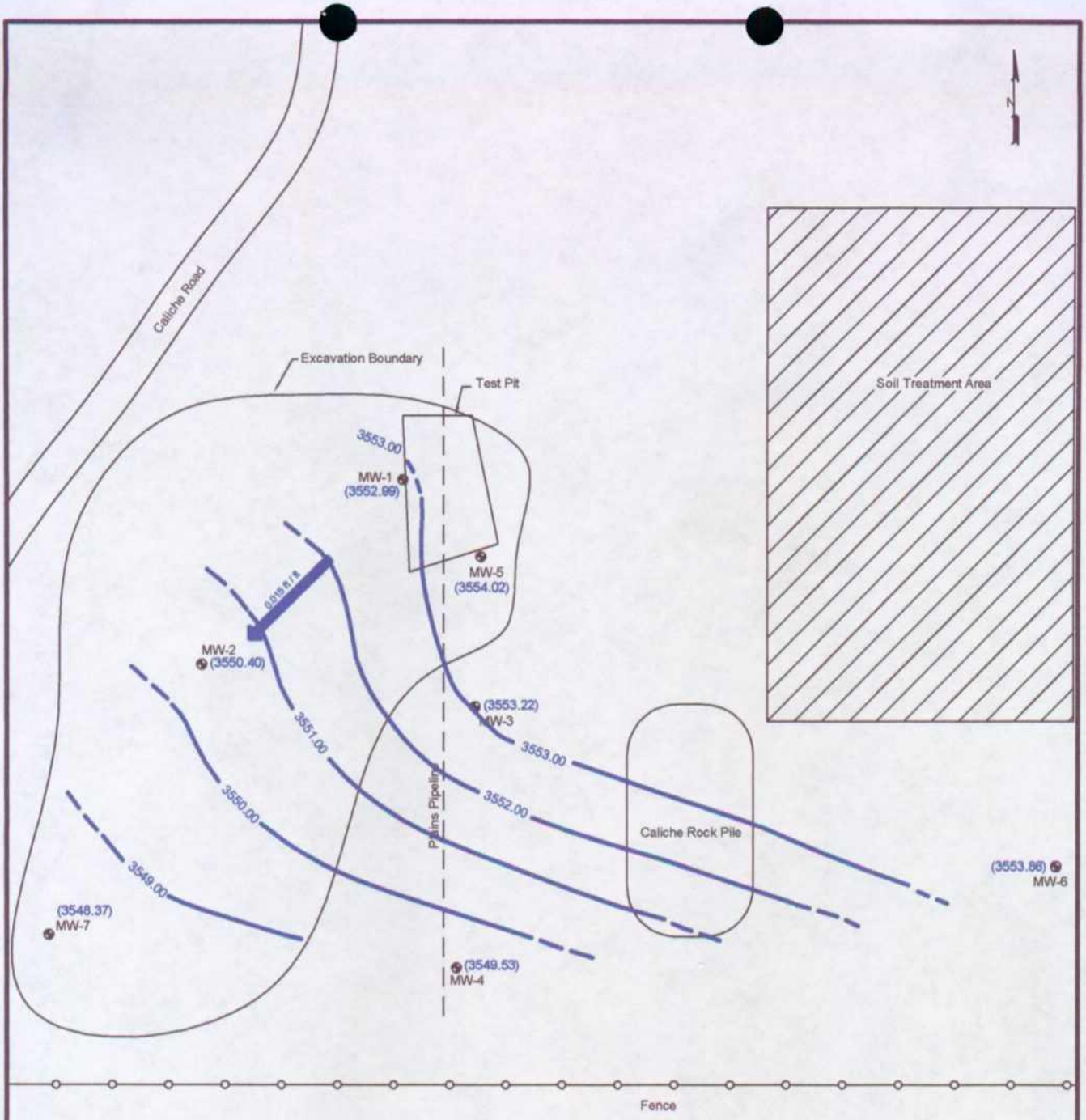
NMOCD Inferred Groundwater Gradient Map (3-3-04)

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 27, 2005		



NOTE:
- Contour Line Interval = 1.0 '
- Groundwater Gradient Slope Measured Between MW-1 and MW-2

100 50 0 50 100

Distance in Feet

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

LEGEND:

- Plains Marketing, L.P. Monitor Well Locations
- (3553.22) Groundwater Elevation in Feet
- Groundwater Elevation Contour Line
- 0.015 ft / ft Groundwater Direction + Magnitude
- NG Not Gauged

Figure 2B
NMOCD Inferred Groundwater Gradient Map (5-18-04)
Plains Marketing, L.P.
LF - 59
Monument, NM

NOVA Safety and Environmental

NOVA safety and environmental

Lat. 32° 36' 50.1"N Long 103° 16' 49.6"W		Scale: 1"=100'
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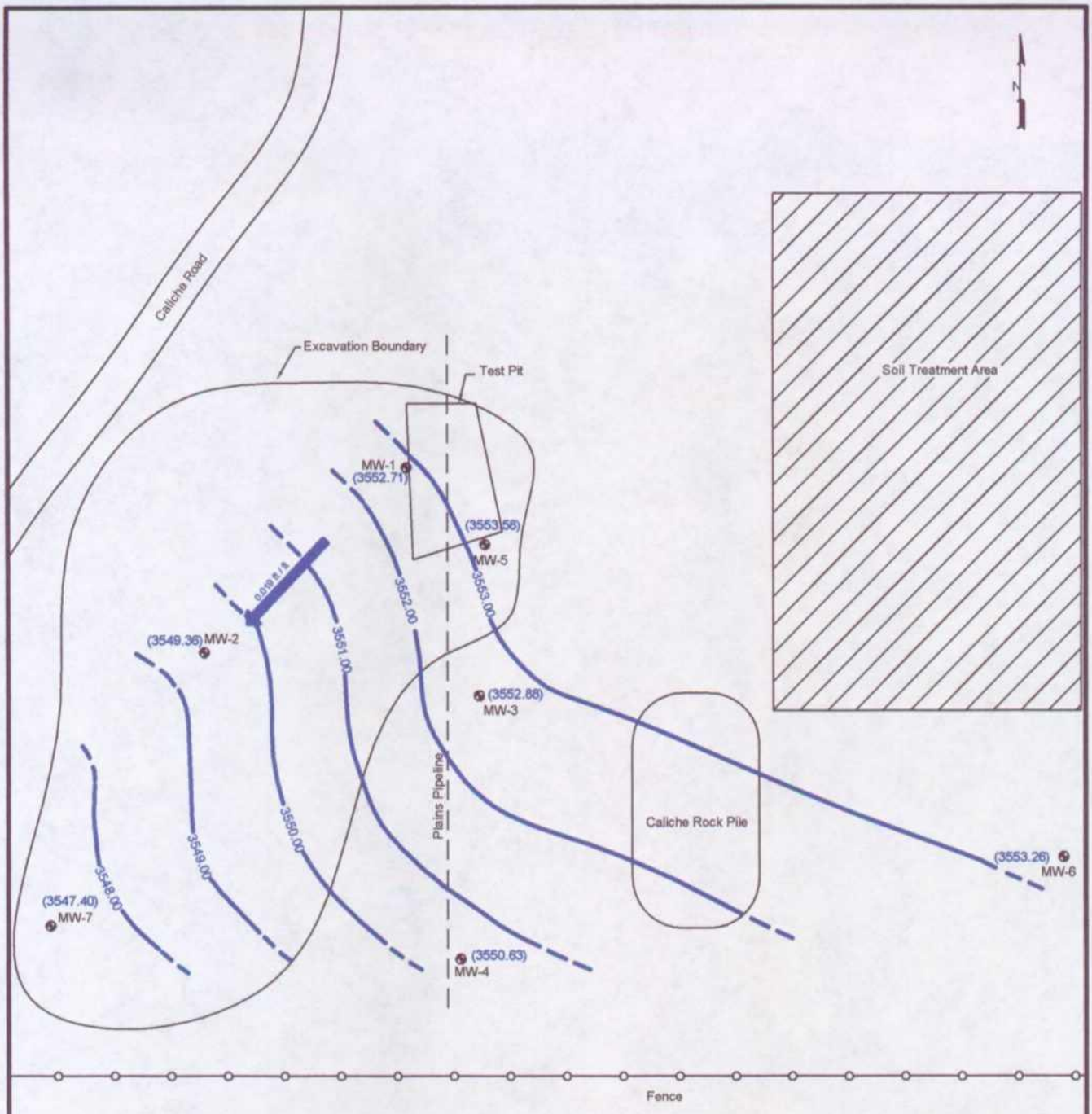
January 28, 2005		



NOTE:
- Contour Line Interval = 1.0 '
- Groundwater Gradient Slope Measured Between MW-1 and MW-2

100 50 0 50 100
Distance in Feet

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

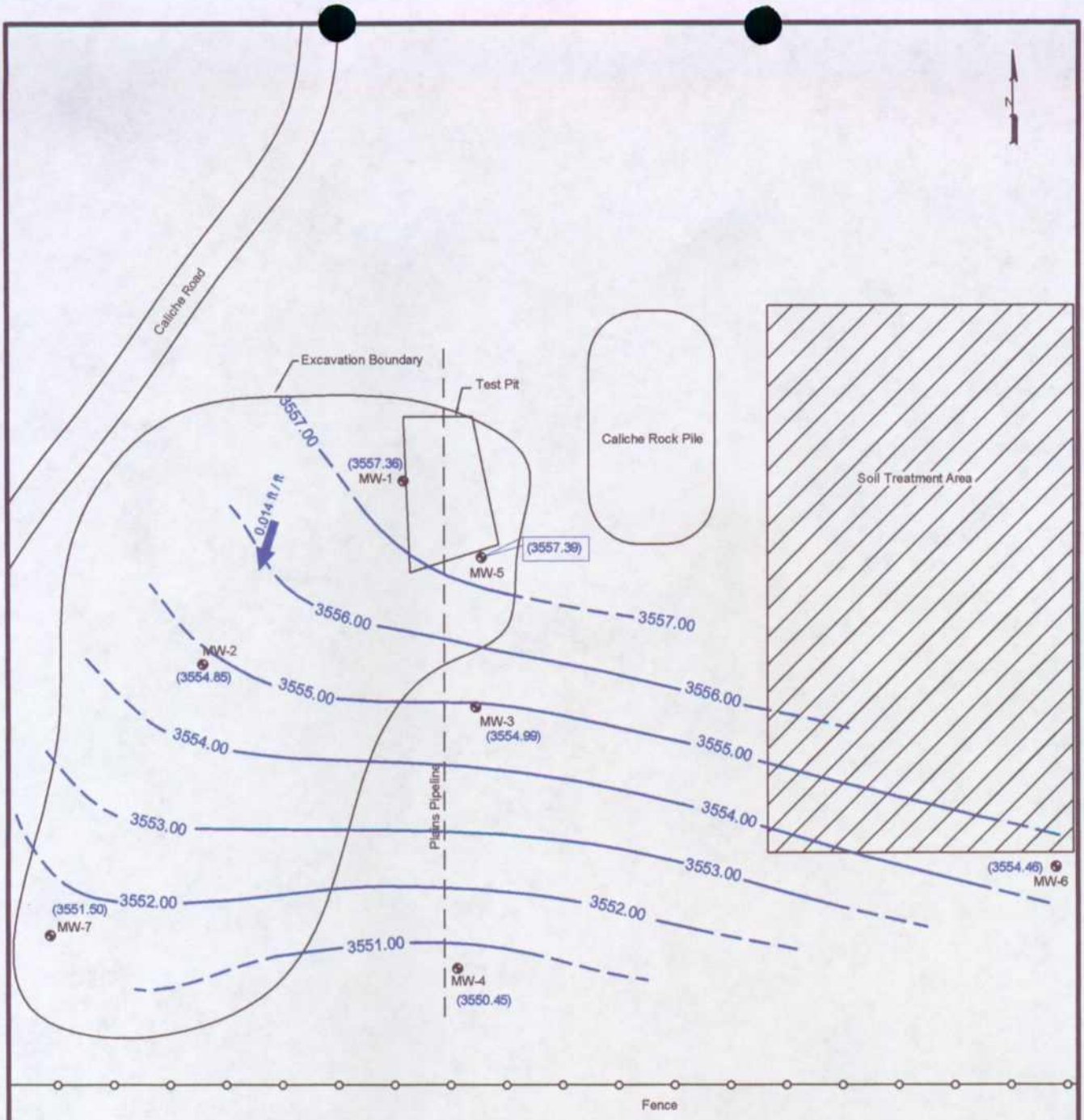
LEGEND:

⊕	Plains Marketing, L.P. Monitor Well Locations
(3553.86)	Groundwater Elevation in Feet
———	Groundwater Elevation Contour Line
0.019 ft / ft ←	Groundwater Direction + Magnitude
NG	Not Gauged

Figure 2C
NMOCD Inferred Groundwater Gradient Map (9-7-04)
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 26, 2005		



NOTE:
Contour Interval = 1.0'
Groundwater Gradient Slope Measured Between MW-1 and MW-2

100 50 0 50 100
Distance in Feet

NOVA safety and environmental

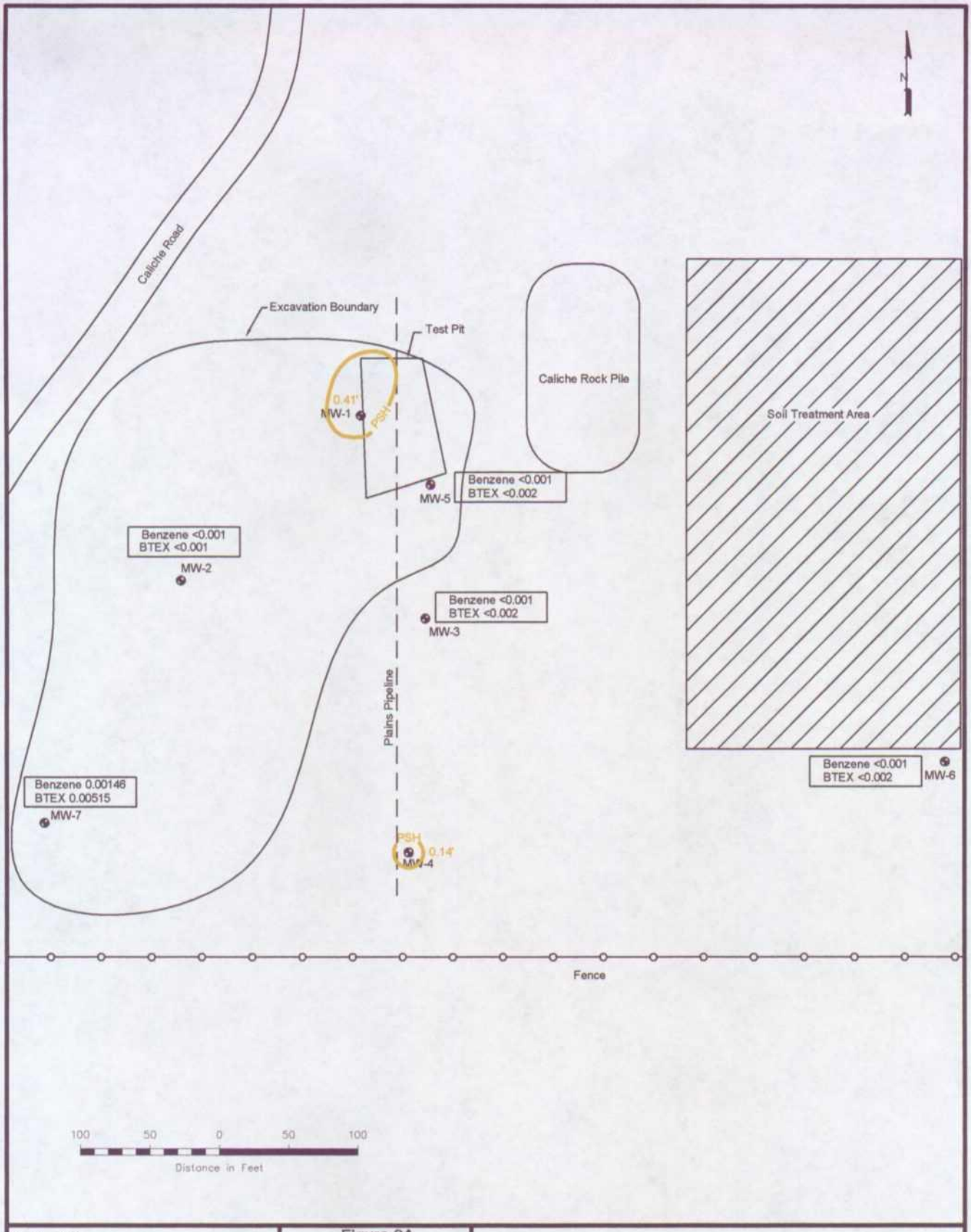
LEGEND:

- Monitoring Well Locations
- 0.014 ft/ft — Groundwater Gradient Direction & Magnitude
- (3557.36) Groundwater Elevation in Feet
- Groundwater Elevation Contour Line

Figure 2D
Inferred Groundwater Gradient Map
(12/14/04)
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: CS	Prepared By: MRE
January 27, 2004		



LEGEND:

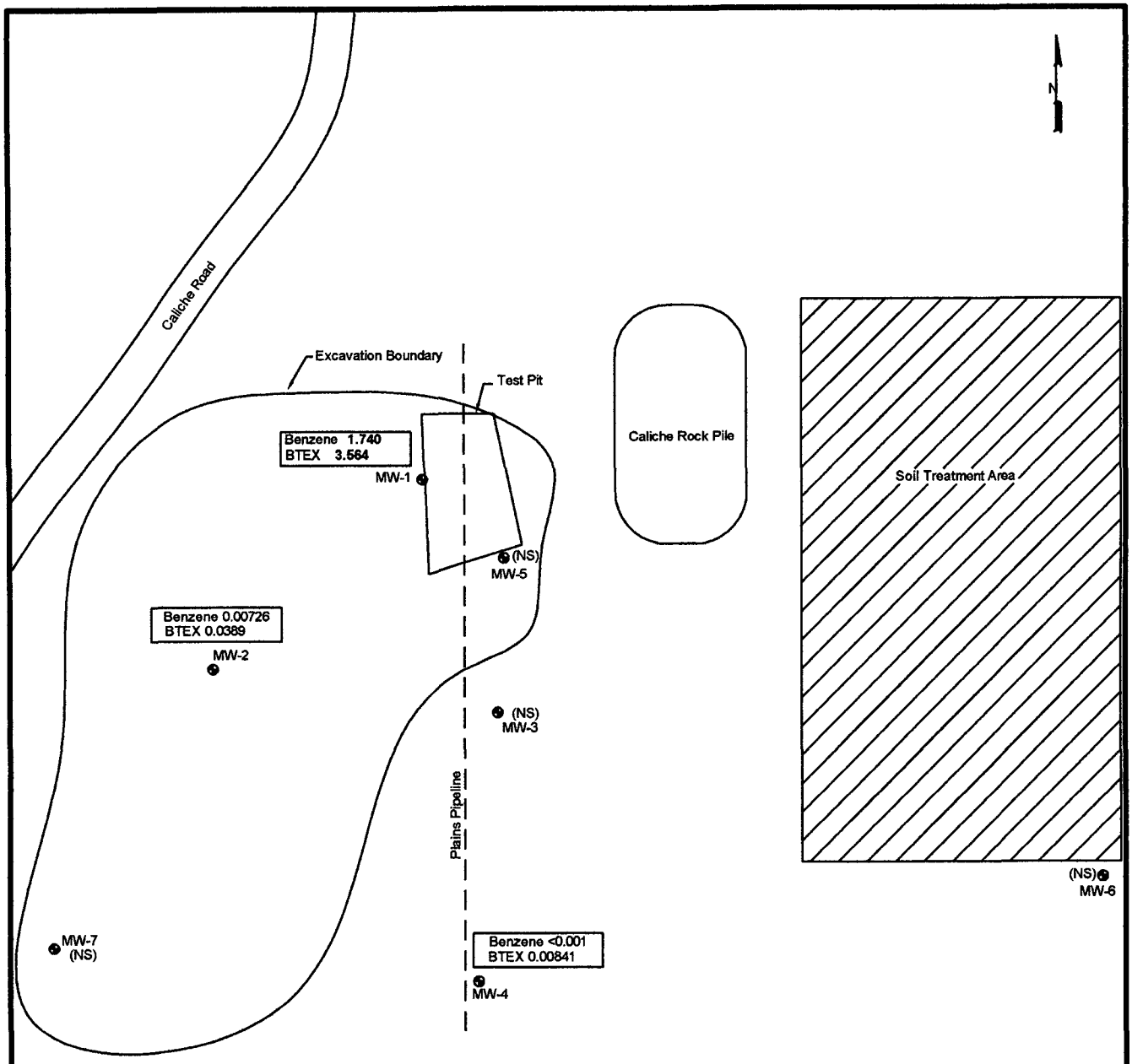
- Monitor Well Locations
- <0.001 Constituent Concentration in mg/L
- Extent of PSH
- 0.14' Depth of PSH (feet)

Figure 3A
Groundwater Concentration and Inferred PSH Extent Map (3/3/04)
Plains Marketing, L.P.
LF - 59
Monument, NM

NOVA Safety and Environmental

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
February 1, 2005		



NOTE:

- No Measurable PSH In Any Monitor Well.
- **BOLD** Indicates Concentration Above NMOCD Regulatory Limit

100 50 0 50 100

Distance in Feet

LEGEND:

Monitor Well Locations

<0.001 Constituent Concentration in mg/L

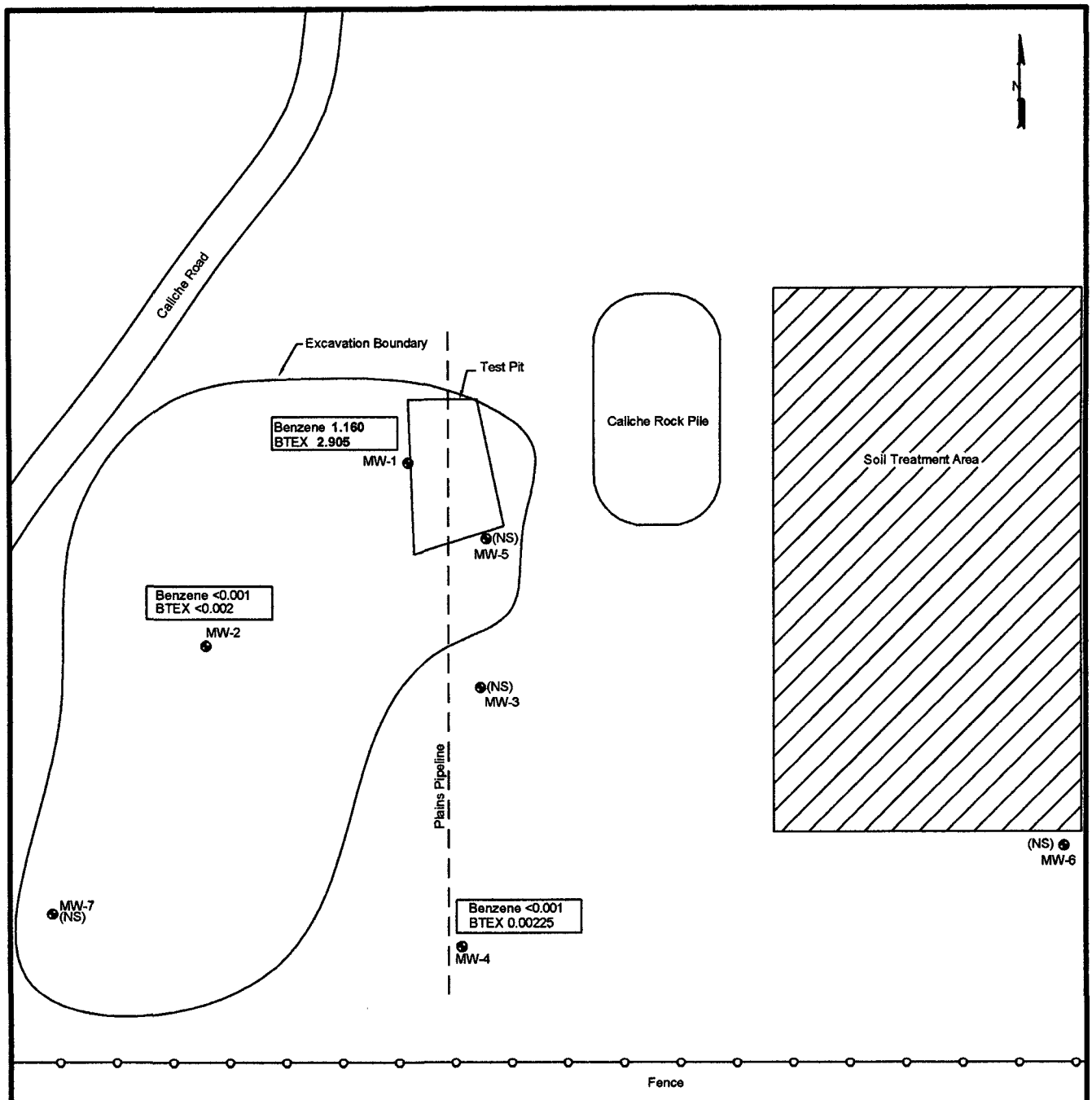
NS Not Sampled

Figure 3B
Groundwater Concentration Map (5/18/04)
Plains Marketing, L.P.
LF - 59
Monument, NM

NOVA Safety and Environmental

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
February 1, 2005		



NOTE:

- No Measurable PSH In Any Monitor Well.
- BOLD Indicates Concentration Above NMOCD Regulatory Limit

100 50 0 50 100

Distance in Feet

LEGEND:

Monitor Well Locations

<0.001 Constituent Concentration in mg/L

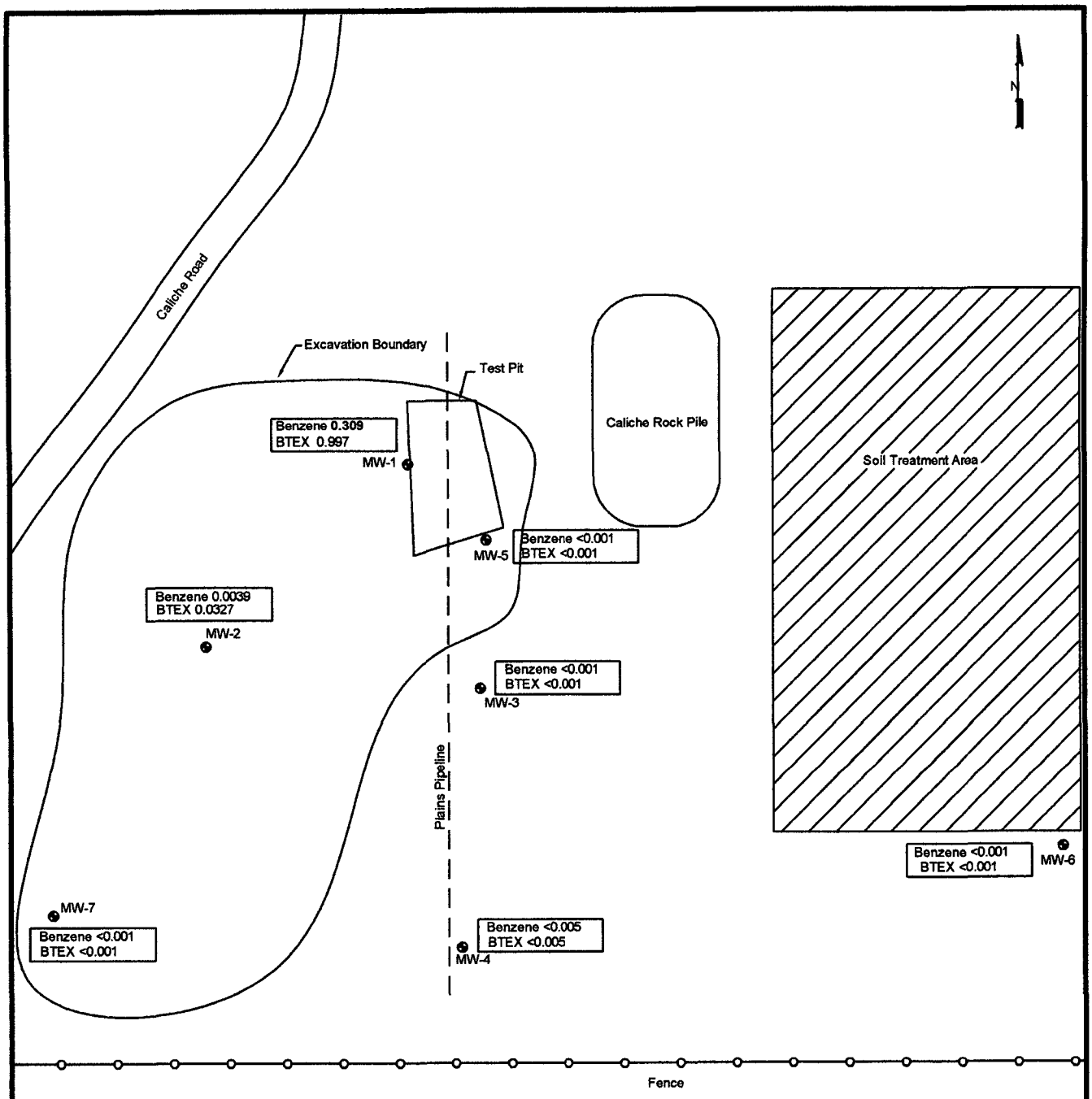
NS Not Sampled

Figure 3C
Groundwater Concentration Map (9/7/04)
Plains Marketing, L.P.
LF - 59
Monument, NM

NOVA Safety and Environmental

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
February 1, 2005		



NOTE:

- No Measurable PSH In Any Monitor Well.
- **BOLD** Indicates Concentration Above NMOCD Regulatory Limit

100 50 0 50 100

Distance in Feet

LEGEND:

Monitoring Well Locations

<0.001 Constituent Concentration in mg/L

Figure 3D

Groundwater Concentration Map (12/14/04)

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

NOVA Safety and Environmental

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
February 1, 2005		

Tables

TABLE 1

GROUNDWATER ELEVATION DATA FOR 2004

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	01/14/04	3,572.21	20.82	21.70	0.88	3,551.26
	01/19/04	3,572.21	20.81	21.72	0.91	3,551.26
	01/27/04	3,572.21	20.79	21.65	0.86	3,551.29
	02/03/04	3,572.21	20.75	21.62	0.87	3,551.33
	02/10/04	3,572.21	21.00	21.21	0.21	3,551.18
	02/19/04	3,572.21	20.58	21.13	0.55	3,551.55
	02/23/04	3,572.21	20.97	21.16	0.19	3,551.21
	03/02/04	3,572.21	20.94	21.18	0.24	3,551.23
	03/03/04	3,572.21	20.23	20.64	0.41	3,551.92
	03/11/04	3,572.21	20.46	20.77	0.31	3,551.70
	03/15/04	3,572.21	20.42	20.69	0.27	3,551.75
	03/17/04	3,572.21	20.73	20.94	0.21	3,551.45
	03/22/04	3,572.21	20.76	20.98	0.22	3,551.42
	03/24/04	3,572.21	20.23	20.36	0.13	3,551.96
	03/29/04	3,572.21	20.90	20.98	0.08	3,551.30
	04/07/04	3,572.21	17.26	17.26	0.00	3,554.95
	04/13/04	3,572.21	17.17	17.17	0.00	3,555.04
	04/20/04	3,572.21	18.25	18.25	0.00	3,553.96
	04/27/04	3,572.21	18.88	18.89	0.01	3,553.33
	05/11/04	3,572.21	19.64	19.64	0.00	3,552.57
	05/18/04	3,572.21	19.22	19.22	0.00	3,552.99
	06/17/04	3,572.21	19.42	19.42	0.00	3,552.79
	06/23/04	3,572.21	19.45	19.45	0.00	3,552.76
	06/30/04	3,572.21	-	19.43	0.00	3,552.78
	07/07/04	3,572.21	-	19.44	0.00	3,552.77
	07/21/04	3,572.21	-	19.13	0.00	3,553.08
	08/04/04	3,572.21	-	19.12	0.00	3,553.09
	08/11/04	3,572.21	19.40	19.41	0.01	3,552.81
	09/07/04	3,572.21	sheen	19.50	0.00	3,552.71
	09/13/04	3,572.21	sheen	19.52	0.00	3,552.69
	09/21/04	3,572.21	sheen	20.63	0.00	3,551.58
	09/21/04	3,572.21	sheen	20.63	0.00	3,551.58
	10/12/04	3,572.21	sheen	14.45	0.00	3,557.76
	10/21/04	3,572.21	sheen	15.85	0.00	3,556.36
	10/28/04	3,572.21	sheen	15.82	0.00	3,556.39
	11/03/04	3,572.21	sheen	17.08	0.00	3,555.13
	11/10/04	3,572.21	sheen	16.97	0.00	3,555.24
	11/17/04	3,572.21	sheen	16.40	0.00	3,555.81
	12/01/04	3,572.21	sheen	13.80	0.00	3,558.41
	12/08/04	3,572.21	sheen	14.31	0.00	3,557.90
	12/14/04	3,572.21	-	14.85	0.00	3,557.36

TABLE 1

GROUNDWATER ELEVATION DATA FOR 2004

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	12/16/04	3,572.21	sheen	14.85	0.00	3,557.36
	12/28/04	3,572.21	sheen	14.49	0.00	3,557.72
MW - 2	03/03/04	3,571.46	-	23.01	0.00	3,548.45
	05/18/04	3,571.46	-	21.06	0.00	3,550.40
	09/07/04	3,571.46	-	22.10	0.00	3,549.36
	12/14/04	3,571.46	-	16.61	0.00	3,554.85
MW-3	03/03/04	3,573.46	-	21.17	0.00	3,552.29
	05/18/04	3,573.46	-	20.24	0.00	3,553.22
	09/07/04	3,573.46	-	20.58	0.00	3,552.88
	12/14/04	3,573.46	-	18.47	0.00	3,554.99
MW - 4	01/14/04	3,570.15	21.43	21.86	0.43	3,548.66
	01/19/04	3,570.15	21.42	21.85	0.43	3,548.67
	01/27/04	3,570.15	21.47	21.91	0.44	3,548.61
	02/03/04	3,570.15	21.42	21.90	0.48	3,548.66
	02/10/04	3,570.15	20.40	20.68	0.28	3,549.71
	02/19/04	3,570.15	21.18	21.47	0.29	3,548.93
	02/23/04	3,570.15	20.36	20.57	0.21	3,549.76
	03/02/04	3,570.15	20.41	20.59	0.18	3,549.71
	03/03/04	3,570.15	21.00	21.14	0.14	3,549.13
	03/11/04	3,570.15	21.18	21.33	0.15	3,548.95
	03/15/04	3,570.15	21.15	21.19	0.04	3,548.99
	03/17/04	3,570.15	21.46	21.60	0.14	3,548.67
	03/22/04	3,570.15	21.51	21.65	0.14	3,548.62
	03/24/04	3,570.15	20.96	21.02	0.06	3,549.18
	03/29/04	3,570.15	21.48	21.57	0.09	3,548.66
	04/07/04	3,570.15	21.10	21.10	0.00	3,549.05
	04/13/04	3,570.15	19.63	19.63	0.00	3,550.52
	04/20/04	3,570.15	20.06	20.06	0.00	3,550.09
	04/27/04	3,570.15	20.35	20.35	0.00	3,549.80
	05/11/04	3,570.15	20.86	20.86	0.00	3,549.29
	05/18/04	3,570.15	20.62	20.62	0.00	3,549.53
	06/17/04	3,570.15	20.65	20.66	0.01	3,549.50
	06/23/04	3,570.15	20.68	20.68	0.01	3,549.48
	06/30/04	3,570.15	-	20.66	0.00	3,549.49
	07/07/04	3,570.15	20.67	20.68	0.01	3,549.48
	07/21/04	3,570.15	-	20.48	0.00	3,549.67
	07/23/04	3,570.15	20.48	20.48	0.00	3,549.67
	08/04/04	3,570.15	20.47	20.47	0.00	3,549.68

TABLE 1

GROUNDWATER ELEVATION DATA FOR 2004

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	08/11/04	3,570.15	-	20.47	0.00	3,549.68
	09/07/04	3,570.15	sheen	19.52	0.00	3,550.63
	09/13/04	3,570.15	sheen	20.55	0.00	3,549.60
	09/21/04	3,570.15	sheen	19.59	0.00	3,550.56
	10/12/04	3,570.15	sheen	19.20	0.00	3,550.95
	10/21/04	3,570.15	sheen	19.62	0.00	3,550.53
	10/28/04	3,570.15	sheen	19.60	0.00	3,550.55
	11/03/04	3,570.15	sheen	19.89	0.00	3,550.26
	11/10/04	3,570.15	sheen	19.80	0.00	3,550.35
	11/17/04	3,570.15	sheen	19.97	0.00	3,550.18
	12/01/04	3,570.15	sheen	19.39	0.00	3,550.76
	12/08/04	3,570.15	sheen	19.49	0.00	3,550.66
	12/14/04	3,570.15	-	19.70	0.00	3,550.45
	12/16/04	3,570.15	sheen	19.70	0.00	3,550.45
	12/28/04	3,570.15	sheen	19.51	0.00	3,550.64
MW - 5	05/18/04	3,572.92	-	18.90	0.00	3,554.02
	09/07/04	3,572.92	-	19.34	0.00	3,553.58
	12/14/04	3,572.92	-	15.53	0.00	3,557.39
MW - 6	05/18/04	3,572.11	-	18.25	0.00	3,553.86
	09/07/04	3,572.11	-	18.85	0.00	3,553.26
	12/14/04	3,572.11	-	17.65	0.00	3,554.46
MW - 7	05/18/04	3,569.75	-	21.38	0.00	3,548.37
	09/07/04	3,569.75	-	22.35	0.00	3,547.40
	12/14/04	3,569.75	-	18.25	0.00	3,551.50

Note:
Elevations based on the North American Vertical Datum of 1929.
"-" denotes no PSH measured during gauging.

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER FOR 2004

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, SW 846-8260b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p-XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	Total XYLENES 0.62	
MW-1	05/18/04	**1.740**	0.031	0.218	**1.160**	0.415
	09/07/04	**1.160**	0.011	0.189	**1.210**	0.335
	12/14/04	**0.309**	<0.005	0.116	0.572	
MW-2	03/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	05/18/04	0.00726	<0.001	0.00802	0.0169	0.00673
	09/07/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/14/04	0.0039	<0.001	0.0139	0.0149	
MW - 3	03/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/14/04	<0.001	<0.001	<0.001	<0.001	
MW-4	05/18/04	<0.001	<0.001	0.00157	0.00684	<0.001
	09/07/04	<0.001	<0.001	0.00225	<0.002	<0.001
	12/14/04	<0.005	<0.005	<0.005	<0.005	
MW - 5	03/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/14/04	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/14/04	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/03/04	0.00146	<0.001	<0.001	0.00369	<0.001
	12/14/04	<0.001	<0.001	<0.001	<0.001	

Note:

m,p and o xylenes combined when analyzed by Trace Labaoratories, Inc. only.
Concentrations in **BOLD** are above the applicable NMOCD Regulatory Limit.

Appendices

Appendix A
Notification of Release and Corrective Action

811 South First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (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: EOTT Energy Pipeline	Contact: Lennah FROST
Address: PO Box 1660	Telephone No.: 915/6843467
Facility Name:	Facility Type: Pipeline

Surface Owner	Mineral Owner	Lease No.
State of New Mexico		

LOCATION OF RELEASE

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

NATURE OF RELEASE

Type of Release: Crude oil	Volume of Release: 260 bbls / Volume Recovered: 200 bbls
Source of Release: Crude oil pipeline	Date and Hour of Occurrence: 7/18/99 1pm / Date and Hour of Discovery: 7/18/99 1PM
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? Chris Williams
By Whom? Lennah Frost	Date and Hour: 7/18/99 - 2:30p
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse:

If a Watercourse 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 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: Lennah Frost	OIL CONSERVATION DIVISION
Printed Name: Lennah Frost	Approved by District Supervisor:
Title: SR. ENV. ENG	Approval Date: / Expiration Date:
Date: 7-20-99 Phone: 915/6843467	Conditions of Approval: / Attached ☐