

1R - 951

**Annual GW Mon.
REPORTS**

DATE:

2007



2007
ANNUAL MONITORING REPORT

RECEIVED
2008 APR 1 PM 2 0

SOUTH MONUMENT GATHERING SOUR
NW ¼, NE ¼, SECTION 5, TOWNSHIP 20 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS # 2001-11193
RP #951

PREPARED FOR:

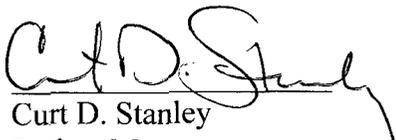
PLAINS MARKETING, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002



PREPARED BY:

NOVA Safety and Environmental
2057 Commerce Street
Midland, Texas 79703

March 2008


Curt D. Stanley
Project Manager


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



RECEIVED

March 28, 2008

2008 APR 1 PM 2 07

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

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

Dear Mr. Hansen:

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

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

order to verify the accuracy and completeness of these documents. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Reports for the above facilities.

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

Sincerely,

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

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

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Figure 2A – Inferred Groundwater Gradient Map February 19, 2007

2B – Inferred Groundwater Gradient Map May 14, 2007

2C – Inferred Groundwater Gradient Map August 28, 2007

2D – Inferred Groundwater Gradient Map November 6, 2007

Figure 3A – Groundwater Concentration and Inferred PSH Extent Map February 19, 2007

3B – Groundwater Concentration and Inferred PSH Extent Map May 14, 2007

3C – Groundwater Concentration and Inferred PSH Extent Map August 28, 2007

3D – Groundwater Concentration and Inferred PSH Extent Map November 6, 2007

TABLES

Table 1 – 2007 Groundwater Elevation Data

Table 2 – 2007 Concentrations of BTEX in Groundwater

APPENDICES

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

ENCLOSED ON DATA DISK

2007 Annual Monitoring Report

2007 Tables 1 and 2 – Groundwater Elevation and BTEX Concentration Data

2007 Figures 1, 2A-2D, 3A-3D, 4

Electronic Copies of Laboratory Reports

Historic Groundwater Elevation Data Table

Historic BTEX Concentration Table

INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. The South Monument Gathering Sour site, which was formally the responsibility of EOTT Energy, 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 2007 only. However, historic data tables as well as 2007 laboratory analytical reports are provided on the enclosed data disk. A Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each of four quarters in calendar year 2007 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 not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

On November 20, 2001, EOTT Energy, Corp.(EOTT) reported a 1,200 barrel release of sour crude oil from a pipeline located approximately one half mile southwest of Monument, New Mexico. The site is located in the NW ¼ NE ¼ , Section 5, Township 20 South, Range 37 East, Lea County, New Mexico. The initial response was conducted by Allstate Environmental Services (AES) in November 2001. According to AES's *Summary of Cleanup Activities and Site Delineation* (November 27 to December 12, 2001), on November 30, 2001, AES began excavating, stockpiling and transporting impacted soil to the C & C Landfarm. The Release Notification and Corrective Action (Form C-141) is provided as Appendix A. According to documentation prepared by AES, on November 30 and December 1, 2001, approximately 408 cubic yards (cy) of hydrocarbon impacted soil was transported to the landfarm. On December 5, 2001, excavation of the site ceased while EOTT and the landowner (Mr. Jimmy Cooper) entered into negotiations. From December 3 through December 11, 2001, AES collected samples and began mapping the site.

On March 3, 2005, NOVA, on behalf of Plains, collected excavation sidewall, floor, stockpile, and flow path soil samples. Stockpile and flow path soil samples were collected as five point composites collected at the surface as well as depths of three, six, twelve and eighteen inches below ground surface (bgs). Soil samples were collected at intervals of approximately 100 linear feet along the flow path and approximately one sample per three hundred square feet in the existing excavation bottom and existing stockpiles.

On July 25, 2006, four soil borings were advanced adjacent to or within the existing excavation to investigate the vertical and horizontal extent of hydrocarbon impact in these areas.

On September 13, 2006, a backhoe was utilized to excavate five investigation trenches along the reported crude oil flow path. The result of trenching activities in the flow path indicated hydrocarbon impact is present at depth, but limited to the lateral extent of the flow path.

On November 30 through December 4, 2006, nine additional soil borings were advanced and three groundwater monitoring wells were installed to further delineate the site. The results of drilling activities indicate hydrocarbon impacted soil is limited to areas immediately adjacent to the leak source and the subsequent flow path.

RECENT FIELD ACTIVITIES

No measurable thicknesses of PSH were reported on any of the monitor wells during the reporting period.

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule.

Sampling Schedule	
MW-1	Quarterly
MW-2	Quarterly
MW-3	Quarterly

The site monitor wells were gauged and sampled on February 19, May 14, August 28, and November 5, 2007. During each sampling event, sampled monitor wells were purged a minimum of three well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos pump. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were collected in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed utilizing measurements collected during the four quarterly monitoring events, are depicted on Figures 2A through 2D. Groundwater elevation data for 2007 is provided as Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed data disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.0007 feet/foot to the south as measured between monitor wells MW-2 and MW-1. During the 1st and 2nd quarters of the reporting period, the groundwater gradient progressed to the southeast during the 3rd and 4th quarters, the inferred groundwater gradient progressed to the south. The corrected groundwater elevation has ranged between 3,531.64 and 3,532.29 feet above mean sea level, in monitor wells MW-1 on November 5, 2007 and MW-3 on February 19, 2007, respectively.

Currently, three monitor wells are located on site.

LABORATORY RESULTS

No measurable thicknesses of PSH were reported on any of the monitor wells during the reporting period.

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

Monitor well MW-1 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0015 mg/L during the 4th quarter to 0.0084 mg/L during the 2nd quarter of 2007. Benzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 2nd, 3rd and 4th quarter to 0.0049 mg/L during the 1st quarter of 2007. Ethylbenzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 3rd quarter to 0.0059 mg/L during the 1st quarter of 2007. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period.

Monitor well MW-2 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.0665 mg/L during the 3rd quarter of 2007. Benzene concentrations were above NMOCD regulatory standards during the 1st, 2nd and 3rd quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.0152 mg/L during the 2nd quarter of 2007. Ethylbenzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.0414 mg/L during the 2nd quarter of 2007. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period.

Monitor well MW-3 is sampled on a quarterly schedule and analytical results indicate benzene, toluene, ethylbenzene and xylene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period.

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 annual monitoring period of 2007. Currently, there are three groundwater monitor wells (MW-1 through MW-3) on-site. The most

recent Groundwater Gradient Map, Figure 2D indicates a general gradient of approximately 0.0007 feet/foot to the southeast. During the 1st and 2nd quarters of the reporting period the groundwater gradient was to the southeast, a shift to the south appears to have occurred between the 2nd and 3rd quarters of 2007.

Review of laboratory analytical results generated from analysis of the groundwater samples obtained during the 2007 monitoring period indicates benzene concentrations in monitor well MW-2 were above the NMOCD regulatory standards during the 1st, 2nd, and 3rd quarter sampling events. Toluene, ethylbenzene and xylene concentrations were below NMOCD regulatory standards in all three monitor wells for each quarterly sampling event.

ANTICIPATED ACTIONS

Groundwater monitoring and quarterly sampling will continue in 2008. An Annual Monitoring report will be submitted to the NMOCD before April 1, 2009.

In the event the benzene concentrations in monitor well MW-2 exceed the NMOCD regulatory standard of 0.010 mg/L for an extended period of time, Plains will install an additional monitor well to the north and to the east of the monitor well.

A Stage 1 and Stage 2 Abatement Plan will be submitted to the NMOCD in 2008.

LIMITATIONS

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

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

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

DISTRIBUTION

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

Copy 2: Larry Johnson
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1625 French Drive
Hobbs, NM 88240

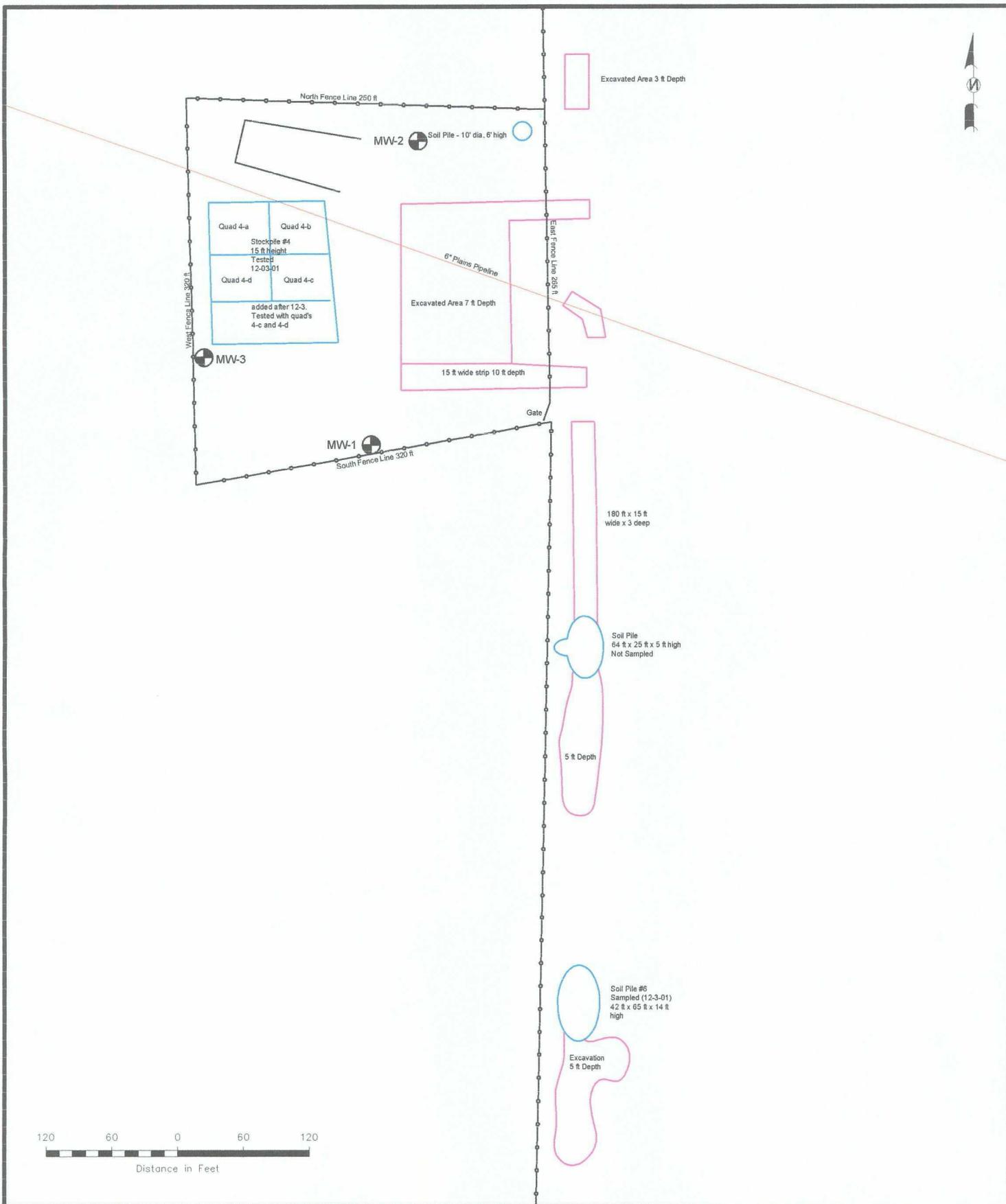
Copy 3: Camille Reynolds
Plains Marketing, L.P.
3112 Highway 82
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cjreynolds@paalp.com

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jpdann@paalp.com

Copy 5: NOVA Safety and Environmental
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Midland, TX 79703
cstanley@novatraining.cc



Figures



LEGEND:

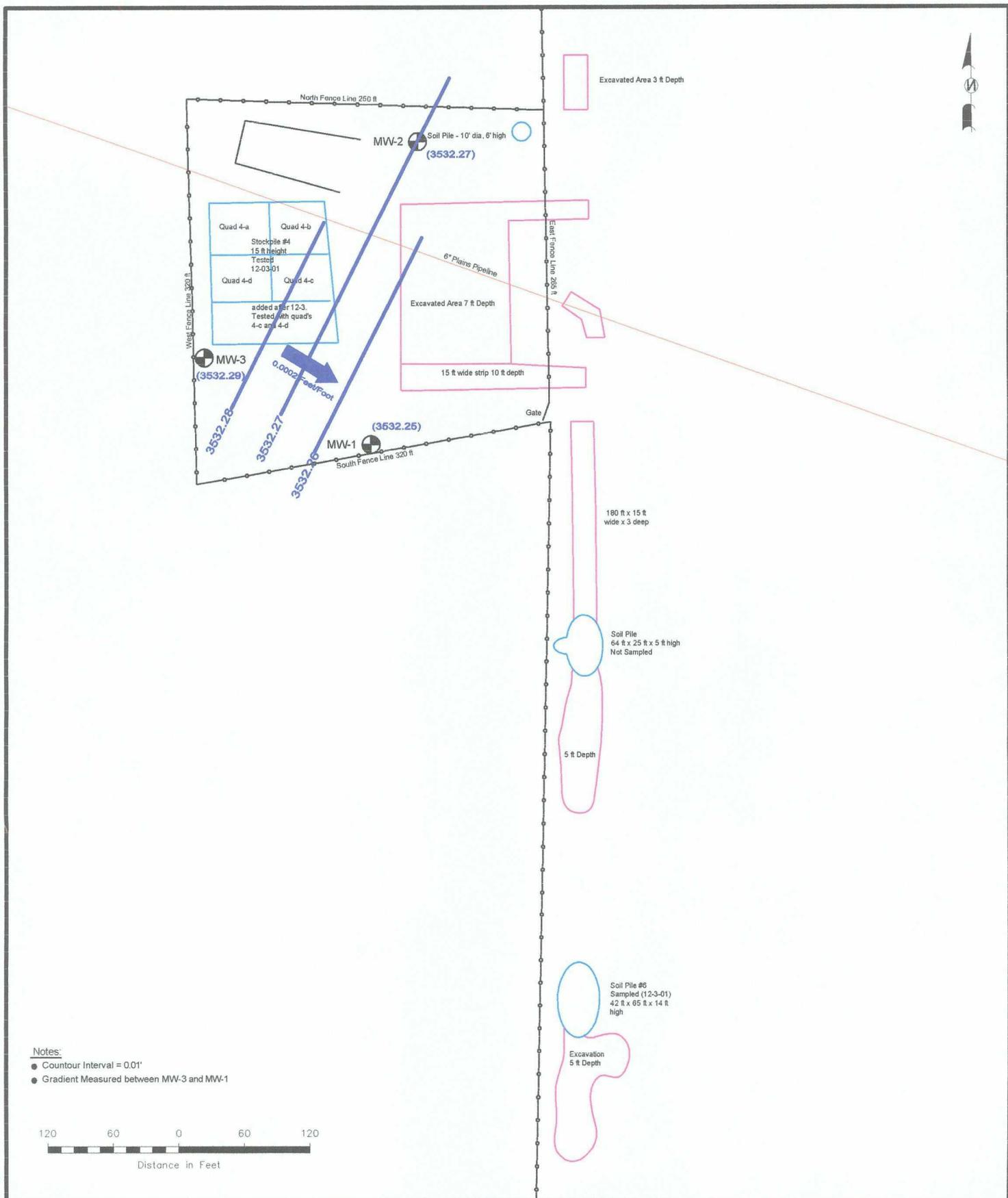
- Pipeline
- Fence
- Excavation
- Stockpile

Figure 1
 Proposed Soil Boring,
 Sample Location,
 Contaminant Distribution Map
 Plains Marketing, L.P.
 Plains EMS #2001-11193
 South Monument
 Gathering Sour
 Monument, NM

NOVA Safety and Environmental



Scale 1" = 120'	Prep By: CDS	Checked By: CDS
March 1, 2005		



Notes:

- Contour Interval = 0.01'
- Gradient Measured between MW-3 and MW-1



LEGEND:	
	Monitor Well Location
	Pipeline
	Fence
	Excavation
	Stockpile
	Groundwater Elevation (Feet)
	Groundwater Elevation Contour Line
	Groundwater Direction and Magnitude

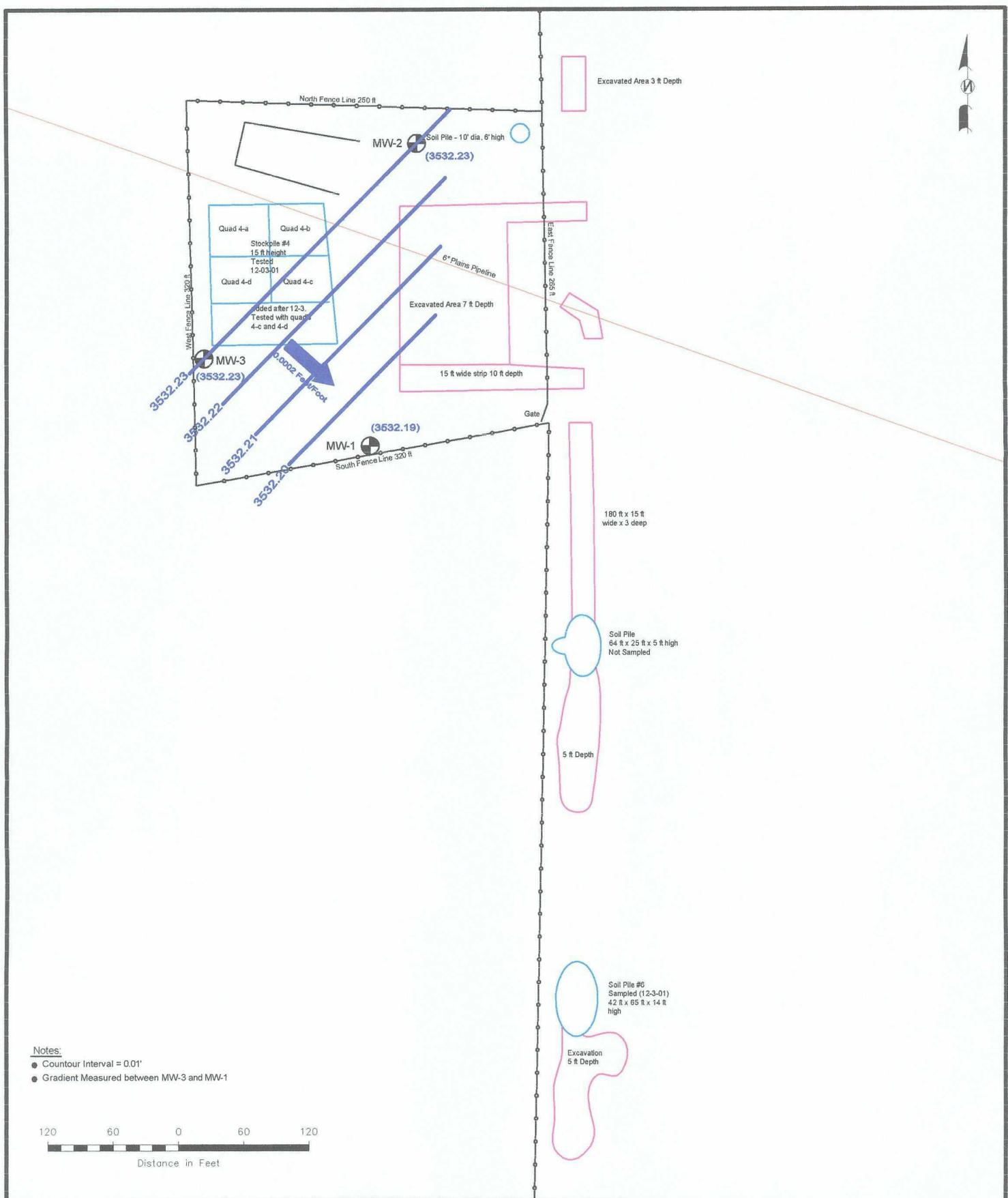
Figure 2A
Inferred Groundwater Gradient
Map (02/19/07)

Plains Marketing, L.P.
 Plains EMS #2001-11193
 South Monument
 Gathering Sour
 Monument, NM

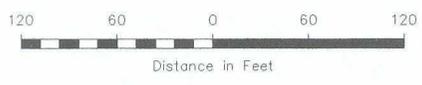
NOVA Safety and Environmental

safety and environmental

Scale 1" = 120'	CAD By: DGC	Checked By: CDS
March 20, 2008		



Notes:
 ● Countour Interval = 0.01'
 ● Gradient Measured between MW-3 and MW-1



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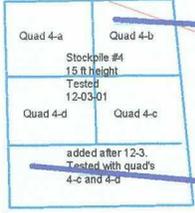
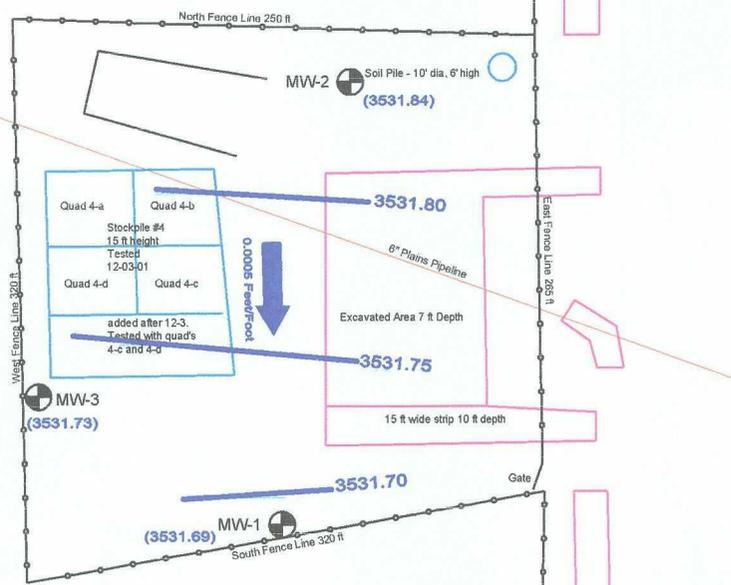
	Monitor Well Location
	Pipeline
	Fence
	Excavation
	Stockpile
	(3791.89) Groundwater Elevation (Feet)
	Groundwater Elevation Contour Line
	Groundwater Direction and Magnitude

Figure 2B
Inferred Groundwater Gradient
Map (05/14/07)

Plains Marketing, L.P.
 Plains EMS #2001-11193
 South Monument
 Gathering Sour
 Monument, NM

NOVA Safety and Environmental

Scale 1" = 120' CAD By: DGC Checked By: CDS
 March 20, 2008



Excavated Area 3 ft Depth

3531.80

3531.75

3531.70

(3531.69) MW-1

MW-3 (3531.73)

MW-2 Soil Pile - 10' dia, 6' high (3531.84)

180 ft x 15 ft wide x 3 deep

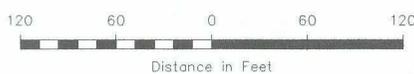
Soil Pile 64 ft x 25 ft x 5 ft high Not Sampled

5 ft Depth

Soil Pile #6 Sampled (12-3-01) 42 ft x 65 ft x 14 ft high

Excavation 5 ft Depth

- Notes:**
- Contour Interval = 0.05'
 - Gradient Measured between MW-2 and MW-1



LEGEND:

	Monitor Well Location
	Pipeline (3791.69) Groundwater Elevation (Feet)
	Fence
	Excavation
	Stockpile
	Groundwater Elevation Contour Line
	Groundwater Direction and Magnitude

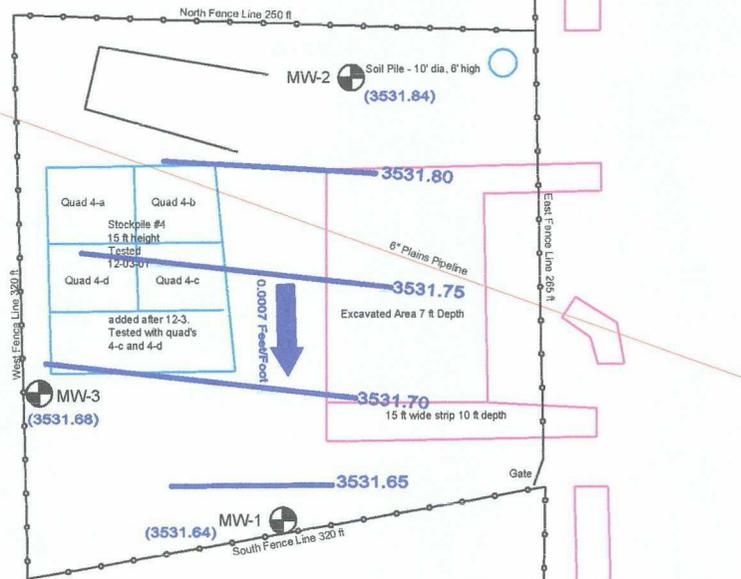
Figure 2C
Inferred Groundwater Gradient Map (08/28/07)

Plains Marketing, L.P.
 Plains EMS #2001-11193
 South Monument
 Gathering Sour
 Monument, NM

NOVA Safety and Environmental



Scale 1" = 120'	CAD By: DGC	Checked By: CDS
March 20, 2008		



Excavated Area 3 ft Depth

MW-2 Soil Pile - 10' dia, 6' high (3531.84)

Quad 4-a Quad 4-b
Stockpile #4
15 ft height
Tested
12/03/07
Quad 4-d Quad 4-c
added after 12-3,
Tested with quad's
4-c and 4-d

3531.80

3531.75

3531.70

3531.65

MW-3 (3531.68)

(3531.64) MW-1

6\"/>

Excavated Area 7 ft Depth

15 ft wide strip 10 ft depth

Gate

South Fence Line 320 ft

180 ft x 15 ft
wide x 3 deep

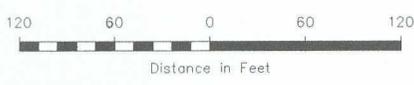
Soil Pile
64 ft x 25 ft x 5 ft high
Not Sampled

5 ft Depth

Soil Pile #6
Sampled (12-3-01)
42 ft x 65 ft x 14 ft
high

Excavation
5 ft Depth

- Notes:
- Contour Interval = 0.05'
 - Gradient Measured between MW-2 and MW-1



LEGEND:

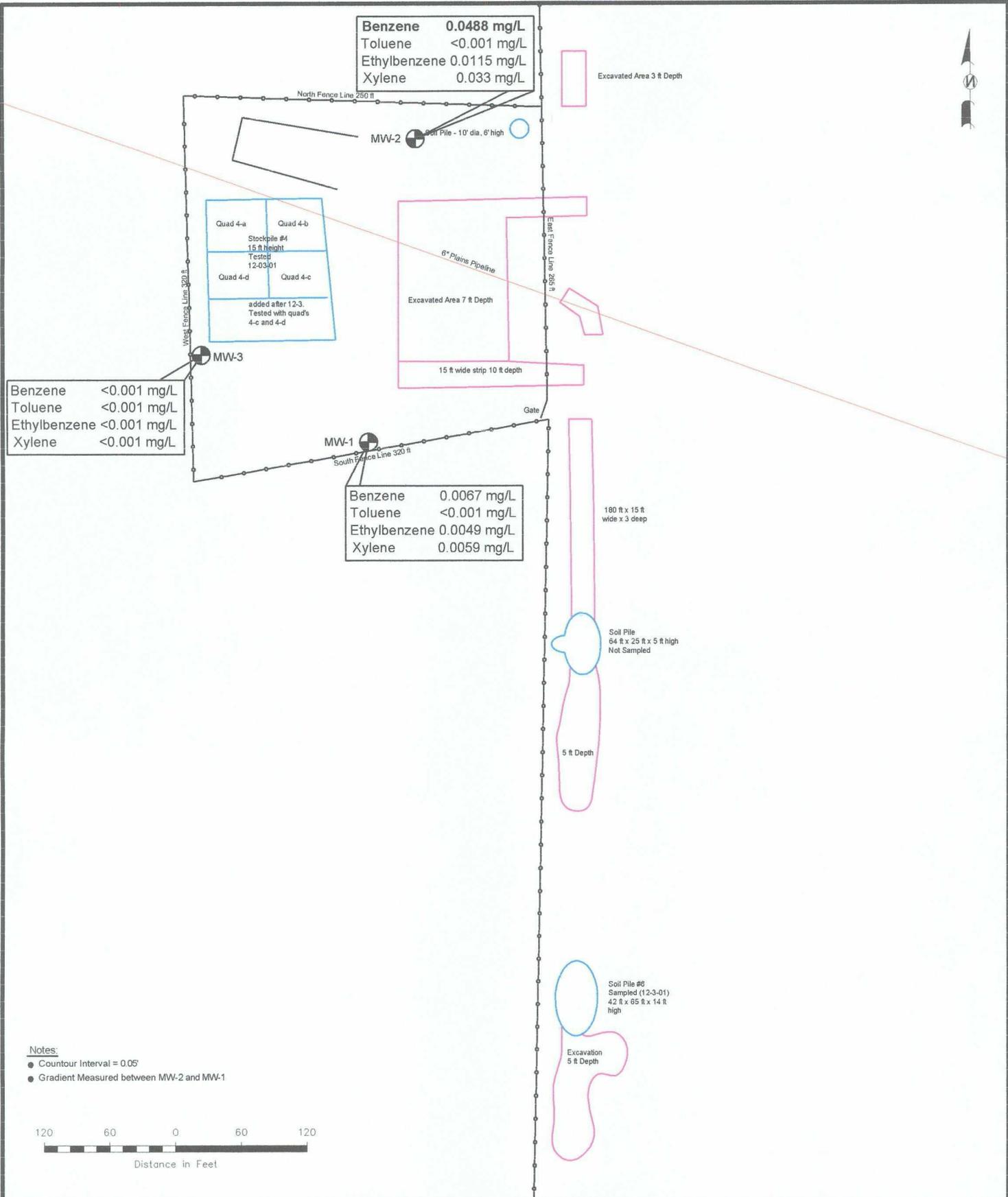
	Monitor Well Location
	Pipeline
	Fence
	Excavation
	Stockpile
	Groundwater Elevation Contour Line
	Groundwater Direction and Magnitude

**Figure 2D
Inferred Groundwater Gradient
Map (11/05/07)**

Plains Marketing, L.P.
Plains EMS #2001-11193
South Monument
Gathering Sour
Monument, NM

NOVA Safety and Environmental

Scale 1" = 120' CAD By: DGC Checked By: CDS
March 20, 2008



Notes:

- Contour Interval = 0.05'
- Gradient Measured between MW-2 and MW-1



LEGEND:

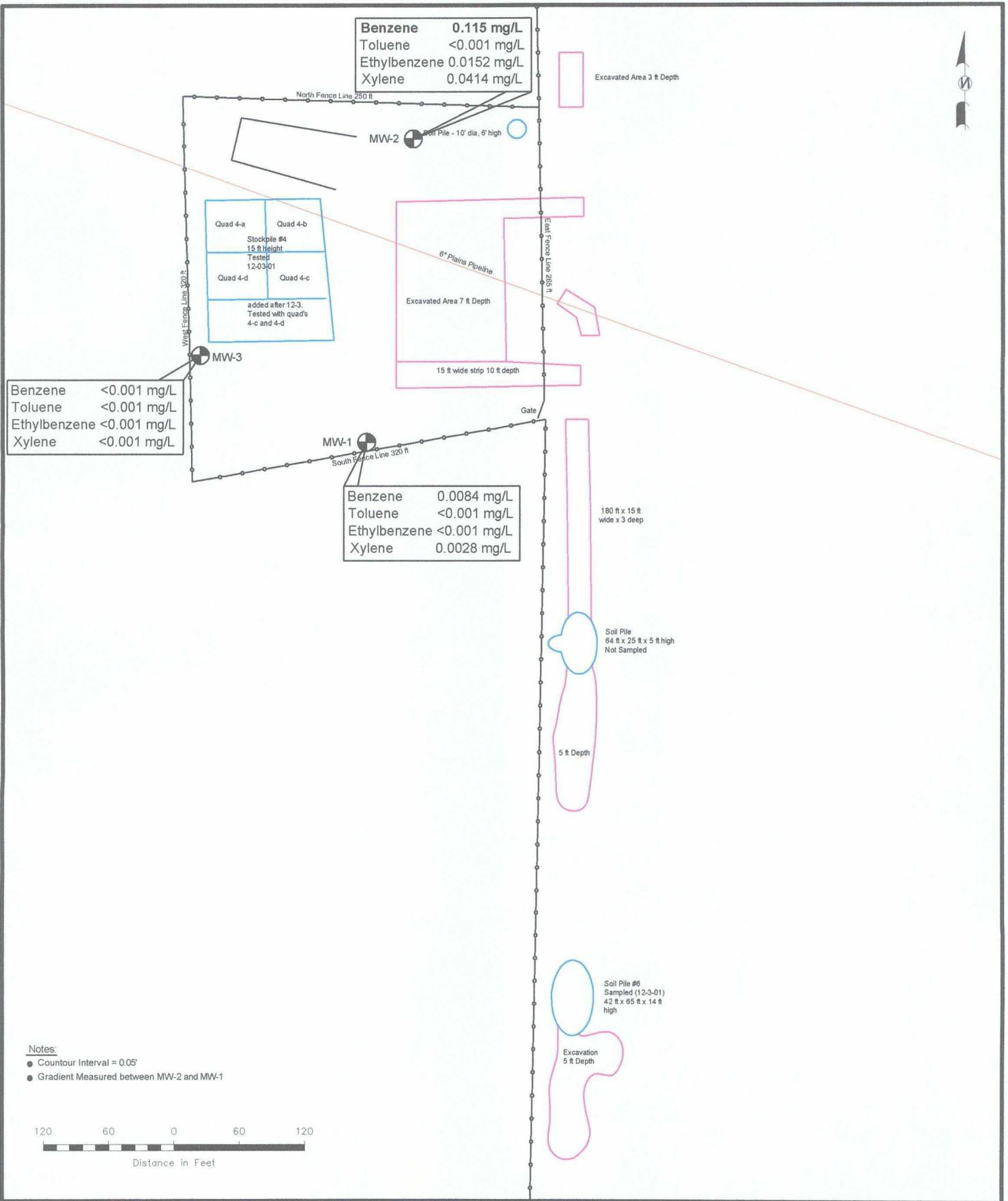
- Monitor Well Location
- Pipeline (NS) Not Sampled
- Fence <0.001 Constituent Concentration (mg/L)
- Excavation
- Stockpile

Figure 3A
Groundwater Concentration
and Inferred PSH Extent Map
(02/19/07)
Plains Marketing, L.P.
Plains EMS #2001-11193
South Monument
Gathering Sour
Monument, NM

NOVA Safety and Environmental



Scale 1" = 120'	CAD By: DGC	Checked By: CDS
March 24, 2008		



Benzene 0.115 mg/L
Toluene <0.001 mg/L
Ethylbenzene 0.0152 mg/L
Xylene 0.0414 mg/L

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

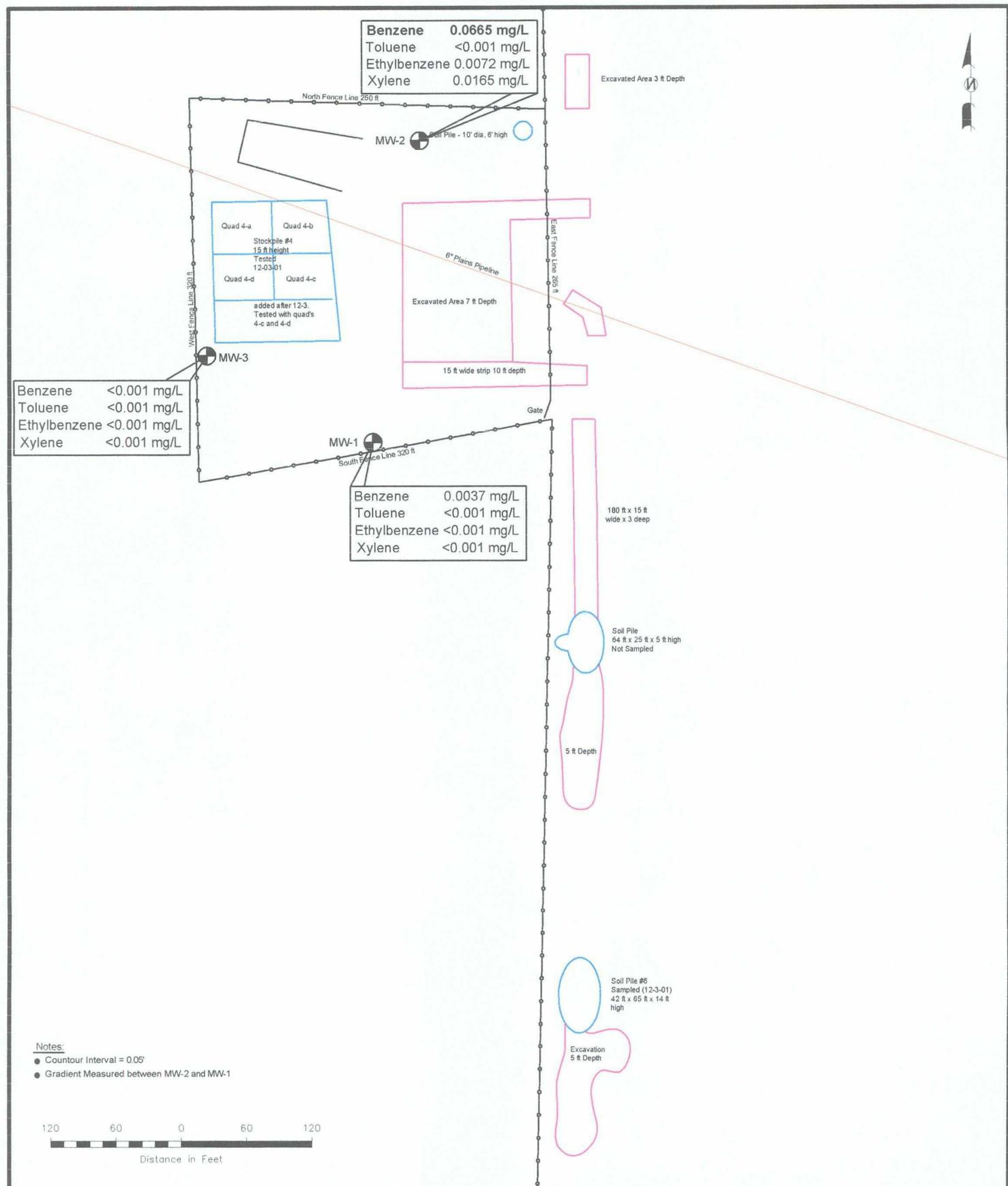
Benzene 0.0084 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene 0.0028 mg/L

Figure 3B
Groundwater Concentration
and Inferred PSH Extent Map
(05/14/07)
Plains Marketing, L.P.
Plains EMS #2001-11193
South Monument
Gathering Sour
Monument, NM

NOVA Safety and Environmental



Scale 1" = 120'	CAD By: DGC	Checked By: CDS
March 24, 2008		



LEGEND:

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

Figure 3C
Groundwater Concentration and Inferred PSH Extent Map (08/28/07)
Plains Marketing, L.P.
South Monument Gathering Sour
Monument, NM

NOVA Safety and Environmental

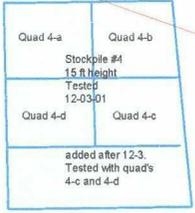
NOVA
safety and environmental

Scale 1" = 120'	CAD By: DGC	Checked By: CDS
March 24, 2008		

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

Excavated Area 3 ft Depth

MW-2 Soil Pile - 10' dia, 6' high



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

MW-3

MW-1 South Fence Line 320 ft

Benzene 0.0015 mg/L
 Toluene <0.001 mg/L
 Ethylbenzene <0.001 mg/L
 Xylene 0.0019 mg/L

180 ft x 15 ft wide x 3 deep

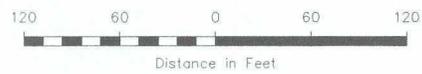
Soil Pile 64 ft x 25 ft x 5 ft high Not Sampled

5 ft Depth

Soil Pile #6 Sampled (12-3-01) 42 ft x 65 ft x 14 ft high

Excavation 5 ft Depth

- Notes:
- Contour Interval = 0.05'
 - Gradient Measured between MW-2 and MW-1



LEGEND:

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

Figure 3D
Groundwater Concentration and Inferred PSH Extent Map (11/05/07)
Plains Marketing, L.P.
South Monument Gathering Sour Monument, NM



NOVA Safety and Environmental

Scale 1" = 120'	CAD By: DGC	Checked By: CDS
March 24, 2008		

Tables

TABLE 1

2007 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 South Monument Gathering Sour
 LEA COUNTY, NEW MEXICO
 PLAINS SRS# 2001-11193
 RP #951

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-1	02/19/07	3,564.20	-	31.95	0.00	3,532.25
	03/16/07	3,564.20	-	31.99	0.00	3,532.21
	05/14/07	3,564.20	-	32.01	0.00	3,532.19
	08/28/07	3,564.20	-	32.51	0.00	3,531.69
	11/05/07	3,564.20	-	32.56	0.00	3,531.64
MW-2	02/19/07	3,563.83	-	31.56	0.00	3,532.27
	03/16/07	3,563.83	-	31.59	0.00	3,532.24
	05/14/07	3,563.83	-	31.60	0.00	3,532.23
	08/28/07	3,563.83	-	31.99	0.00	3,531.84
	11/05/07	3,563.83	-	31.99	0.00	3,531.84
MW-3	02/19/07	3,564.42	-	32.13	0.00	3,532.29
	03/16/07	3,564.42	-	32.18	0.00	3,532.24
	05/14/07	3,564.42	-	32.19	0.00	3,532.23
	08/28/07	3,564.42	-	32.69	0.00	3,531.73
	11/05/07	3,564.42	-	32.74	0.00	3,531.68

Table 2

2007 CONCENTRATIONS OF BTEX IN GROUNDWATER
 PLAINS MARKETING, L.P.
 SOUTH MONUMENT GATHERING SOUR
 Lea County, New Mexico
 Plains SRS# 2001-11193
 RP #951

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	Benzene	Toluene	Ethylbenzene	Xylene
NMOCD REGULATORY STANDARD		0.01	0.75	0.75	0.62
MW-1	02/19/07	0.0067	<0.001	0.0049	0.0059
	03/16/07	0.0082	<0.001	0.004	0.0036
	05/14/07	0.0084	<0.001	<0.001	0.0028
	08/28/07	0.0037	<0.001	<0.001	<0.001
	11/06/07	0.0015	<0.001	<0.001	0.0019
MW-2	02/19/07	0.0488	<0.001	0.0115	0.033
	03/16/07	0.0362	<0.001	0.0034	0.0095
	05/14/07	0.115	<0.001	0.0152	0.0414
	08/28/07	0.0665	<0.001	0.0072	0.0165
	11/05/07	<0.001	<0.001	<0.001	<0.001
MW-3	02/19/07	<0.001	<0.001	<0.001	<0.001
	03/16/07	<0.001	<0.001	<0.001	<0.001
	05/14/07	<0.001	<0.001	<0.001	<0.001
	08/28/07	<0.001	<0.001	<0.001	<0.001
	11/05/07	<0.001	<0.001	<0.001	<0.001



Appendices

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

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised October 10, 2003

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

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 Marketing, LP	Contact Camille Reynolds
Address 5805 East Hwy. 80, Midland, TX 79706	Telephone No. 505-441-0965
Facility Name South Monument Gathering Sour	Facility Type 6" Steel Pipeline

Surface Owner Jimmie Cooper	Mineral Owner	Lease No.
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LOCATION OF RELEASE

Unit Letter B	Section 5	Township 20S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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Latitude 32° 36' 29.0" Longitude 103° 16' 26.8"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 1200 barrels	Volume Recovered 910 barrels
Source of Release 6" Steel Pipeline	Date and Hour of Occurrence 11-20-01	Date and Hour of Discovery 11-20-01
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Paul Sheeley	
By Whom? Frank Hernandez	Date and Hour 11-20-01@16:15	
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.* Internal corrosion of 6 inch steel pipeline resulted in crude oil release. Clamp was applied to the line to mitigate the release.

Describe Area Affected and Cleanup Action Taken.* The crude oil was vacuumed up and the impacted soil was excavated and stockpiled on plastic. Initial response activities included excavation and stockpiling of approximately 5,000 to 7,000 cubic yards of soil. Future response activities will include a soil and groundwater investigation and preparation of a remedial action plan.

NOTE: This information was obtained from historical EOTT files, Plains acquired EOTT/Link Energy on April 1, 2004 and Plains assumes this information to be correct.

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.

		OIL CONSERVATION DIVISION	
Signature:	Approved by District Supervisor:		
Printed Name: Camille Reynolds	Approval Date:	Expiration Date:	
Title: Remediation Coordinator	Conditions of Approval:		Attached <input type="checkbox"/>
E-mail Address: cjreynolds@paalp.com			
Date: 12-29-04	Phone: 505-441-0965		

* Attach Additional Sheets If Necessary