

1R - 0120

WORKPLAN

DATE:

JUNE 2006



**PLAINS
PIPELINE**

IR-120
Work Plan
June 2006

June 28, 2006

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

Re: Plains Pipeline Soil Investigation Work Plan
Monument 11 Release Site
SE ¼, NE ¼ of Section 30, Township 19 South, Range 37 East
Lea County, New Mexico

Dear Mr. Stone:

IR-120

Please find attached for your approval the Soil Investigation Work Plan, dated June 2006, for the Monument 11 release site located in Section 30 of Township 19 South and Range 37 East of Lea County, New Mexico. The Soil Investigation Work Plan details site activities conducted to date and future activities for soil closure of the site.

Should you have any questions or comments, please contact me at (505) 441-0965.

Sincerely,

Camille Reynolds
Remediation Coordinator
Plains All American Pipeline

Cc: Larry Johnson, NMOCD, Hobbs Office

Enclosure



SOIL INVESTIGATION WORK PLAN

TNM - MONUMENT 11

LEA COUNTY, NEW MEXICO
SE ¼ NE ¼ SECTION 30, TOWNSHIP 19 SOUTH, RANGE 37 EAST
PLAINS EMS NUMBER: TNM MONUMENT-11
NMOCD REFERENCE NUMBER 1R-120

Prepared For:

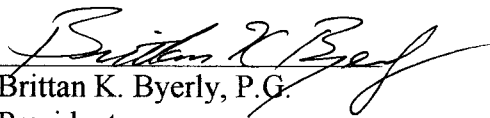
PLAINS MARKETING, L.P.
333 CLAY STREET, SUITE 1600
HOUSTON, TEXAS 77002



Prepared By:

NOVA Safety and Environmental
2057 Commerce Street
Midland, Texas 79703

June 2006


Brittan K. Byerly, P.G.
President



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

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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 Soil Investigation Work Plan for the site known as TNM-Monument 11. The purpose of this Soil Investigation Work Plan is to summarize known soil data and propose a plan for the delineation of hydrocarbon impacted soil at the site. A Site Location Map and Site Map are provided as Figure 1 and Figure 2, respectively. The legal description of the site is SE ¼ NE ¼ Section 30, Township 19 South, Range 37 East.

2.0 SITE BACKGROUND

No information with respect to the release date, volume of crude oil released and recovered, excavation dimensions or pipeline repair is currently available. This release occurred while the pipeline was operated by Texas New Mexico Pipe Line Company (TNM). Previous work identified three hydrocarbon stained areas at the release area, which were documented on early site maps. A total of ten soil borings and six monitor wells have been installed at the site prior to the development of this work plan.

3.0 LEAK ZONE INVESTIGATION

3.1 Review of Soil Data

An initial site investigation was conducted in January 1998 by previous contractors and consisted of the installation and sampling of nine soil borings (soil borings B11-1 through B11-9). The soil borings were advanced from 12 to 17 feet below ground surface (bgs). Groundwater was not reported in the initial nine soil borings. Analytical data collected from soil borings B11-1 through B11-9 indicated that hydrocarbon impact exceeding New Mexico Oil Conservation Division (NMOCD) cleanup standards in soil borings B11-2 (9,780 mg/Kg Diesel Range Organic (DRO) Total Petroleum Hydrocarbons (TPH)) at 5-7 feet bgs and (9,920 mg/Kg DRO TPH) at 10-12 feet bgs, and B11-8 (106 mg/Kg DRO TPH) at 10-12 feet bgs, and in B11-9 (109 mg/Kg DRO TPH) at 5-7 feet bgs. A tenth soil boring, soil boring B11-10, was placed near soil boring B11-2 to a total depth of 23 feet bgs. Soil boring B11-10 confirmed the analytical results found in soil boring B11-2, and encountered contamination of the groundwater below the site (please refer to Table 1 for soil analytical results).

Based upon the data collected in the ten soil borings, four groundwater monitor wells, MW-1 through MW-4, were installed in August 1999 by a previous consultant. During installation of the four monitor wells, only monitor well MW-4 encountered soil hydrocarbon impact above NMOCD cleanup standards (samples collected in monitor well MW-4 from 13-15 feet bgs (2,440 mg/Kg DRO TPH) and 23-25 feet bgs (720 mg/Kg DRO TPH)). Please note that Gasoline Range Organics (GRO) TPH were not analyzed on the initial ten soil borings or monitor wells MW-1 through MW-4.

On November 3, 2004, two monitor wells were installed on the up gradient side of the impact zone to further delineate the extent of groundwater impact at the site. During installation of monitor wells MW-5 and MW-6, soil samples were collected at 10 feet and 18 feet bgs in monitor well MW-5 and at 10, 20, and 40 feet bgs in monitor well MW-6. Analytical results of the five soil samples indicated that Benzene, Toluene, Ethyl-benzene and total Xylene constituents (BTEX) had degraded or were absent in the intervals tested. The GRO and DRO TPH were below detection limits in all five soil samples. A total of six groundwater monitor wells (MW-1 through MW-6) are currently on-site. A site map illustrating site details is provided as Figure 2. Based upon the data collected in the ten soil borings and six monitor wells at the site, hydrocarbon soil impact was identified to extend to groundwater in the vicinity of soil borings B11-2 and B11-10.

3.2 Proposed Soil Investigation Activities

Based upon the data provided during previous investigations, at least four soil borings are proposed to delineate the remaining vadose zone hydrocarbon impact. A soil boring is proposed in the area formed by monitor well MW-4, soil borings B11-2 and B11-10. This soil boring will update the concentrations of hydrocarbon impact in the soils originally identified as exceeding NMOCD cleanup standards. A total of three additional soil borings will be placed to the north, northeast and west of this area of concern to delineate the horizontal extent of hydrocarbon impact above NMOCD standards. The four soil borings and the data gathered from them can be used for preparation of a remediation plan (if necessary) for the soils exceeding NMOCD standards at TNM-Monument 11.

The four soil borings will be advanced at the site as depicted in Figure 4, to investigate the potential of remnant hydrocarbon impacted soil. Soil samples will be collected on five-foot intervals (upon refusal of sampling device, sample will be collected at the next possible foot interval) to a total depth of each soil boring. Each soil boring will be drilled to a depth of 20 to 23 feet bgs.

Select soil samples will be submitted to the laboratory based on field observations and PID readings. Samples will be collected and placed into glassware provided by Trace Analysis in Lubbock, Texas. The samples will then be placed on ice in the field to be cooled to approximately 4°C prior to being transported to the laboratory. Strict chain-of-custody documentation will be maintained at all times. Samples will be analyzed for BTEX utilizing EPA Method SW 846-8021b and for Total Petroleum Hydrocarbons by SW846-8015 gas and diesel range organics.

4.0 SUMMARY OF PROPOSED ACTIVITIES

Plains proposes the following actions intended to progress TNM-Monument 11 towards New Mexico Oil Conservation Division (NMOCD) approved closure:

- Install at least four soil borings in and around the suspected release area to delineate hydrocarbon soil impact.
- Submit select soil samples to laboratory analysis for documentation.
- Prepare a report documenting soil delineation findings and a work plan for addressing any impact above NMOCD cleanup standards should it be discovered.

5.0 LIMITATIONS

NOVA has prepared this Soil Investigation Work Plan 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.

6.0 DISTRIBUTION

- Copy 1: Ben Stone
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
- Copy 2: Larry Johnson and Paul Sheeley
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
Lovington, NM
cjreynolds@paalp.com
- Copy 4: Jeff Dann
Plains Marketing, L.P.
333 Clay Street
Suite 1600
Houston, TX 77002
jpdann@paalp.com
- Copy 5: NOVA Safety and Environmental
2057 Commerce Street
Midland, TX 79703
cstanley@novatraining.cc



Figures



<p>Figure 1</p> <p>Site Location Map</p> <p>Plains Marketing, L.P.</p> <p>Monument 11</p> <p>Lea County, NM</p>	<p>NOVA</p> <p>safety and environmental</p>		<p>Scale: 1" = 5 Miles</p> <p>February 24, 2004</p> <p>SW 1/4 NE 1/4 Sec. 30 T18S R37E</p>	<p>Prep By: CDS</p> <p>Checked By: CDS</p>
	<p>NOVA Safety and Environmental</p>			<p>Lat: N32° 38' 9.2" Long: W103° 17' 2.4"</p>

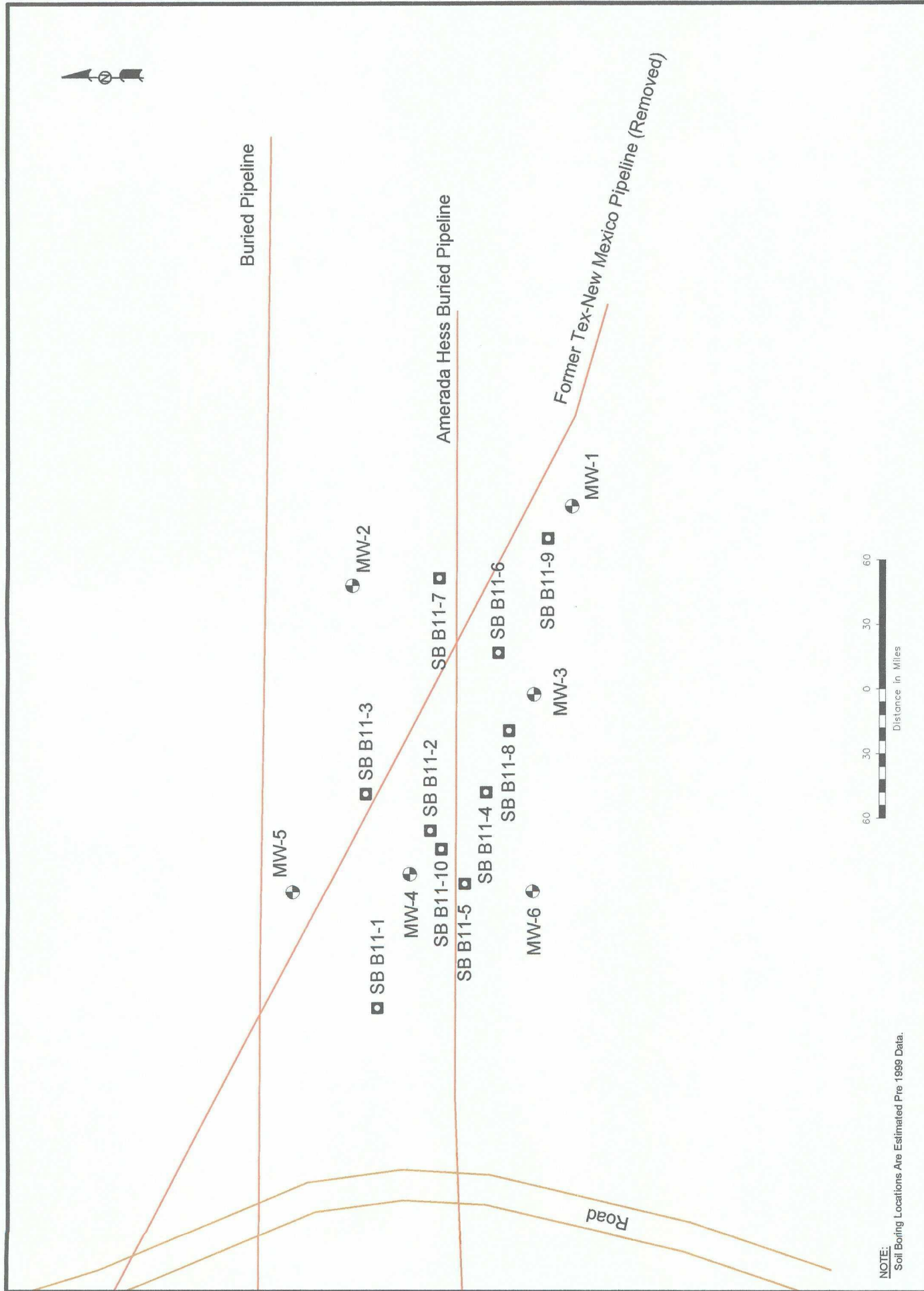
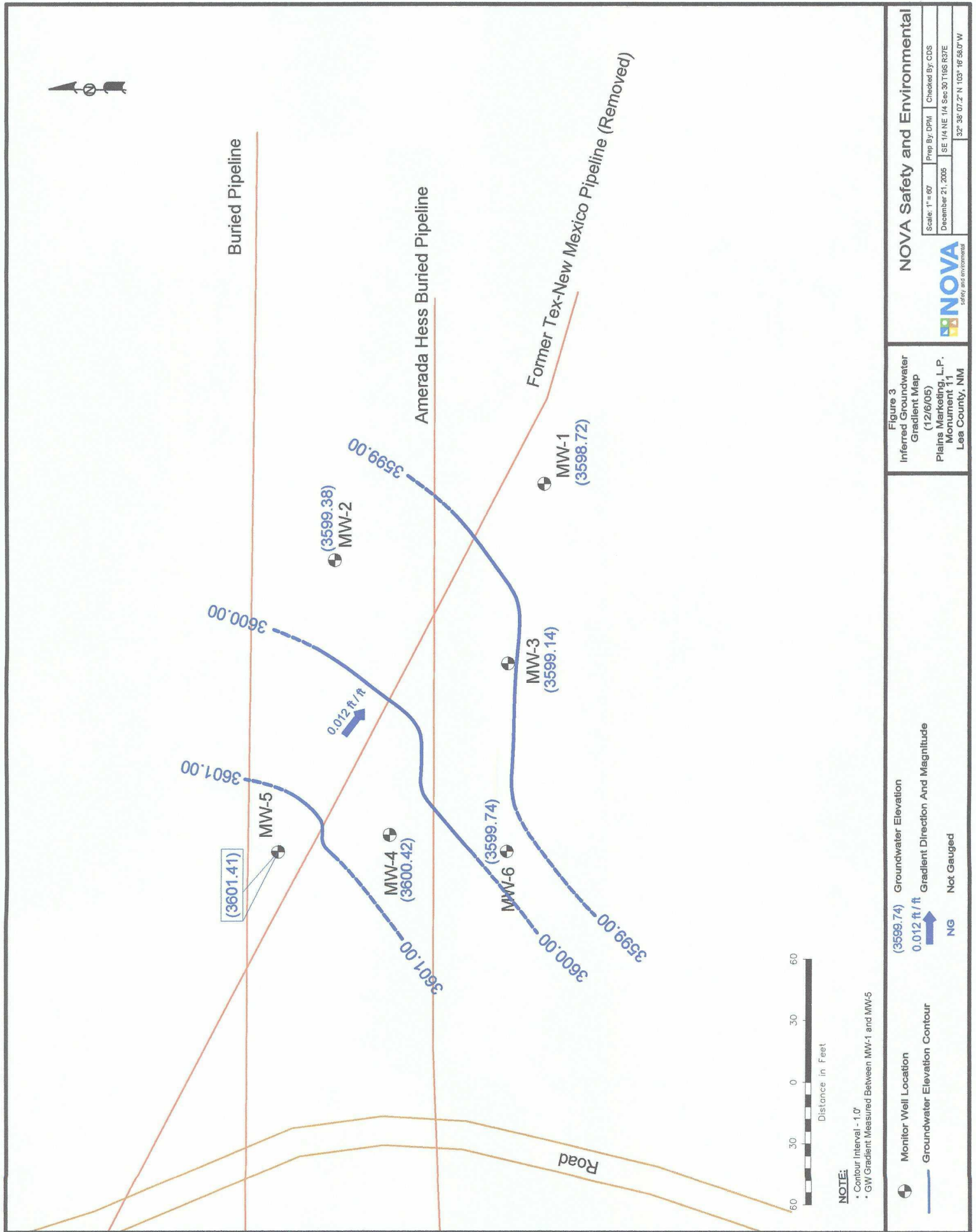


Figure 2
Site Map

Plains Pipeline, L.P.
Monument 11
Lea County, NM

NOVA
safety and environmental

Scale: 1" = 60'
February 21, 2006
NE 1/4 Section 30 T18S R37E
Lat. N32° 38' 14" Long. W103° 17' 4"





Buried Pipeline

Amerada Hess Buried Pipeline

Former Tex-New Mexico Pipeline (Removed)

Road

MW-5

MW-2

PSB-106

SB B11-1

PSB-306

MW-4

SB B11-10

SB B11-5

SB B11-4

SB B11-8

MW-6

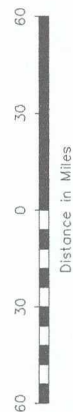
SB B11-7

SB B11-6

SB B11-9

MW-3

MW-1



NOTE:
Soil Boring Locations Are Estimated Pre 1999 Data.

LEGEND:

- Monitor Well Location
- Soil Boring Location
- Pipeline
- PSB-106 Proposed Soil Boring

Figure 4
Proposed Soil Boring
Location Map
Plains Marketing, L.P.
Monument 11
Lea County, NM

NOVA Safety and Environmental



Scale: 1" = 60'
February 21, 2008
NE 1/4 Section 30 T19S R37E

Prep By: DPM

Checked By: BB

Lat. N32° 36' 14" Long. W103° 17' 4"

Tables

Table 1

CONCENTRATIONS OF TPH AND BTEX IN SOIL

PLAINS MARKETING, L.P.
Monument 11
MONUMENT (LEA COUNTY), NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	DEPTH (feet)	8015M			TPH (mg/kg)	SW 846-8021B, 5030				
			GRO C6-C12	DRO >C12-C35	TOTAL C6-C35		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX
B11-1	01/21/98	5-6				ND	ND	ND	ND	ND	ND
B11-1		10-12				ND	ND	ND	ND	ND	ND
B11-2	01/21/98	5-7				9,780	1.04	0.68	2.91	5.76	10.39
B11-2		10-12				9,920	2.04	2.45	3.46	12.99	20.94
B11-3	01/21/98	5-7				ND	ND	ND	ND	0.053	0.053
B11-3		10-12				11.4	ND	ND	ND	ND	ND
B11-4	01/21/98	5-7				ND	ND	ND	ND	ND	ND
B11-4		10-12				ND	ND	ND	ND	ND	ND
B11-5	01/21/98	5-7				85.2	ND	ND	ND	ND	ND
B11-5		10-11				27.8	ND	ND	ND	ND	ND
B11-6	01/21/98	5-7				119	ND	ND	ND	ND	ND
B11-6		10-12				116	ND	ND	ND	ND	ND
B11-7	01/21/98	5-7				48.1	ND	ND	ND	ND	ND
B11-7		10-11.5				76.6	ND	ND	ND	ND	ND
B11-8	01/21/98	5-7				29.9	ND	ND	ND	ND	ND
B11-8		10-12				106	ND	ND	ND	ND	ND
B11-9	01/21/98	5-7				109	ND	ND	ND	ND	ND
B11-9		10-12				46.4	ND	ND	ND	ND	ND
B11-10	11/09/98	6-8				5,910	0.83	1.51	2.44	5.99	10.77
B11-10		20-23				466	0.76	0.46	0.68	17.71	3.61
MW-1	08/24/99	13-15		<10			<0.1	0.275	0.174	0.317	0.766
MW-1	08/24/99	24-25		<10			<0.1	<0.1	<0.1	<0.1	<0.1
MW-2	08/25/99	8-10		<10			<0.1	<0.1	<0.1	<0.1	<0.1
MW-2	08/25/99	23-25		<10			<0.1	<0.1	<0.1	<0.1	<0.1
MW-3	08/25/99	13-15		<10			<0.1	<0.1	<0.1	<0.1	<0.1
MW-3	08/25/99	24-25		<10			<0.1	<0.1	<0.1	<0.1	<0.1
MW-4	08/24/99	13-15		2,440			<0.1	0.653	0.704	5.7	7.057
MW-4	08/24/99	23-25		720			0.299	0.561	0.116	0.851	1.827
MW-5 10'	11/03/05		<50	<50	<50		<0.01	<0.01	<0.01	<0.01	<0.01
MW-5 18'	11/03/05		<50	<50	<50		<0.01	<0.01	<0.01	<0.01	<0.01
MW-6 10'	11/03/05		<50	<50	<50		<0.01	<0.01	<0.01	<0.01	<0.01
MW-6 20'	11/03/05		<50	<50	<50		<0.01	<0.01	<0.01	<0.01	<0.01
MW-6 40'	11/03/05		<50	<50	<50		<0.01	<0.01	<0.01	<0.01	<0.01

TABLE 2
GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 11
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	05/03/00	3,624.90	-	27.04	0.00	3,597.86
	08/30/00	3,624.90	-	26.19	0.00	3,598.71
	11/17/00	3,624.90	-	26.20	0.00	3,598.70
	03/07/01	3,624.90	-	26.15	0.00	3,598.75
	05/23/01	3,624.90	-	26.15	0.00	3,598.75
	08/27/01	3,624.90	-	26.17	0.00	3,598.73
	10/24/01	3,624.90	-	26.15	0.00	3,598.75
	02/11/02	3,624.90	-	26.11	0.00	3,598.79
	05/16/02	3,624.90	-	26.12	0.00	3,598.78
	09/10/02	3,624.90	-	26.16	0.00	3,598.74
	11/15/02	3,624.90	-	26.16	0.00	3,598.74
	02/10/03	3,624.90	-	26.21	0.00	3,598.69
	05/13/03	3,624.90	-	26.15	0.00	3,598.75
	08/22/03	3,624.90	-	26.10	0.00	3,598.80
	12/15/03	3,624.90	-	26.17	0.00	3,598.73
	08/31/04	3,624.90	-	26.15	0.00	3,598.75
	12/08/04	3,624.90	-	23.14	0.00	3,601.76
	03/11/05	3,624.90	-	25.92	0.00	3,598.98
	06/13/05	3,624.90	-	26.13	0.00	3,598.77
	09/12/05	3,624.90	-	26.17	0.00	3,598.73
	12/06/05	3,624.90	-	26.18	0.00	3,598.72
MW - 2	05/03/00	3,624.91	-	25.60	0.00	3,599.31
	08/30/00	3,624.91	-	25.55	0.00	3,599.36
	11/17/00	3,624.91	-	25.60	0.00	3,599.31
	03/07/01	3,624.91	-	25.56	0.00	3,599.35
	05/23/01	3,624.91	-	25.56	0.00	3,599.35
	08/27/01	3,624.91	-	25.55	0.00	3,599.36
	10/24/01	3,624.91	-	25.54	0.00	3,599.37
	02/11/02	3,624.91	-	25.56	0.00	3,599.35
	05/16/02	3,624.91	-	25.55	0.00	3,599.36
	09/10/02	3,624.91	-	25.57	0.00	3,599.34
	11/15/02	3,624.91	-	25.55	0.00	3,599.36
	02/10/03	3,624.91	-	25.57	0.00	3,599.34
	05/13/03	3,624.91	-	25.55	0.00	3,599.36
	08/22/03	3,624.91	-	25.55	0.00	3,599.36
	12/15/03	3,624.91	-	25.57	0.00	3,599.34
	08/31/04	3,624.91	-	25.58	0.00	3,599.33
	12/08/04	3,624.91	-	23.33	0.00	3,601.58
	03/11/05	3,624.91	-	25.35	0.00	3,599.56
	06/13/05	3,624.91	-	25.46	0.00	3,599.45
	09/12/05	3,624.91	-	25.52	0.00	3,599.39
	12/06/05	3,624.91	-	25.53	0.00	3,599.38
MW - 3	05/03/00	3,623.99	-	24.91	0.00	3,599.08

TABLE 2
GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 11
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-3	08/30/00	3,623.99	-	24.88	0.00	3,599.11
	11/17/00	3,623.99	-	24.92	0.00	3,599.07
	03/07/01	3,623.99	-	24.88	0.00	3,599.11
	05/23/01	3,623.99	-	24.90	0.00	3,599.09
	08/27/01	3,623.99	-	24.89	0.00	3,599.10
	10/24/01	3,623.99	-	24.88	0.00	3,599.11
	02/11/02	3,623.99	-	24.89	0.00	3,599.10
	05/16/02	3,623.99	-	24.86	0.00	3,599.13
	09/10/02	3,623.99	-	24.91	0.00	3,599.08
	11/15/02	3,623.99	-	24.89	0.00	3,599.10
	02/10/03	3,623.99	-	24.88	0.00	3,599.11
	05/13/03	3,623.99	-	24.89	0.00	3,599.10
	08/22/03	3,623.90	-	24.89	0.00	3,599.10
	12/15/03	3,623.90	-	24.90	0.00	3,599.09
	08/31/04	3,623.90	-	24.91	0.00	3,599.08
	12/08/04	3,623.90	-	21.75	0.00	3,602.24
	03/11/05	3,623.90	-	24.68	0.00	3,599.31
	06/13/05	3,623.90	-	24.76	0.00	3,599.23
	09/12/05	3,623.90	-	24.83	0.00	3,599.16
	12/06/05	3,623.90	-	24.85	0.00	3,599.14
MW - 4	05/03/00	3,624.02	23.61	23.75	0.14	3,600.39
	08/30/00	3,624.02	23.31	23.61	0.30	3,600.67
	11/17/00	3,624.02	23.55	23.70	0.15	3,600.45
	03/07/01	3,624.02	23.60	23.82	0.22	3,600.39
	05/23/01	3,624.02	23.63	23.79	0.16	3,600.37
	08/27/01	3,624.02	23.46	23.52	0.06	3,600.55
	10/24/01	3,624.02	23.61	23.64	0.03	3,600.41
	02/11/02	3,624.02	23.57	23.89	0.32	3,600.40
	05/16/02	3,624.02	23.61	23.80	0.19	3,600.38
	09/10/02	3,624.02	23.60	23.74	0.14	3,600.40
	10/14/02	3,624.02	23.56	23.70	0.14	3,600.44
	11/15/02	3,624.02	23.74	23.76	0.02	3,600.28
	12/27/02	3,624.02	23.77	23.78	0.01	3,600.25
	01/07/03	3,624.02	23.76	23.79	0.03	3,600.26
	02/10/03	3,624.02	23.78	23.80	0.02	3,600.24
	03/05/03	3,624.02	-	23.81	0.00	3,600.21
	03/20/03	3,624.02	23.81	23.86	0.05	3,600.20
	03/27/03	3,624.02	-	23.73	0.00	3,600.29
	04/16/03	3,624.02	-	23.75	0.00	3,600.27
	05/13/03	3,624.02	23.70	23.71	0.01	3,600.32
	05/15/03	3,624.02	-	23.44	0.00	3,600.58
	05/21/03	3,624.02	-	23.81	0.00	3,600.21
	05/28/03	3,624.02	-	23.83	0.00	3,600.19
	06/05/03	3,624.02	-	23.74	0.00	3,600.28

TABLE 2
GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 11
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-4	06/10/03	3,624.02	-	23.83	0.00	3,600.19
	06/25/03	3,624.02	23.73	23.76	0.03	3,600.29
	07/10/03	3,624.02	-	23.90	0.00	3,600.12
	07/31/03	3,624.02	-	23.74	0.00	3,600.28
	08/05/03	3,624.02	-	23.92	0.00	3,600.10
	08/22/03	3,624.02	-	23.98	0.00	3,600.04
	09/30/03	3,624.02	-	23.65	0.00	3,600.37
	10/06/03	3,624.02	-	23.65	0.00	3,600.37
	10/14/03	3,624.02	-	23.79	0.00	3,600.23
	10/21/03	3,624.02	-	24.11	0.00	3,599.91
	10/27/03	3,624.02	-	24.08	0.00	3,599.94
	11/06/03	3,624.02	-	23.95	0.00	3,600.07
	11/10/03	3,624.02	-	24.18	0.00	3,599.84
	11/17/03	3,624.02	-	23.90	0.00	3,600.12
	12/04/03	3,624.02	23.90	23.91	0.01	3,600.12
	12/15/03	3,624.02	-	23.80	0.00	3,600.22
	12/22/03	3,624.02	-	23.60	0.00	3,600.42
	12/31/03	3,624.02	23.80	23.81	0.01	3,600.22
	02/10/04	3,624.02	-	23.61	0.00	3,600.41
	02/18/04	3,624.02	-	23.77	0.00	3,600.25
	02/26/04	3,624.02	-	23.81	0.00	3,600.21
	03/04/04	3,624.02	-	23.78	0.00	3,600.24
	03/11/04	3,624.02	-	23.87	0.00	3,600.15
	03/16/04	3,624.02	-	24.14	0.00	3,599.88
	03/23/04	3,624.02	-	24.21	0.00	3,599.81
	03/30/04	3,624.02	-	24.19	0.00	3,599.83
	04/07/04	3,624.02	-	25.25	0.00	3,598.77
	04/13/04	3,624.02	-	23.61	0.00	3,600.41
	04/20/04	3,624.02	-	23.10	0.00	3,600.92
	04/27/04	3,624.02	-	23.22	0.00	3,600.80
	05/11/04	3,624.02	-	23.77	0.00	3,600.25
	06/03/04	3,624.02	-	23.40	0.00	3,600.62
	06/08/04	3,624.02	-	23.39	0.00	3,600.63
	06/22/04	3,624.02	-	23.52	0.00	3,600.50
	06/29/04	3,624.02	-	23.52	0.00	3,600.50
	07/07/04	3,624.02	-	23.60	0.00	3,600.42
	07/12/04	3,624.02	-	23.52	0.00	3,600.50
	07/20/04	3,624.02	-	23.52	0.00	3,600.50
	08/02/04	3,624.02	-	23.53	0.00	3,600.49
	08/11/04	3,624.02	-	23.57	0.00	3,600.45
	08/16/04	3,624.02	-	23.55	0.00	3,600.47
	08/31/04	3,624.02	-	23.69	0.00	3,600.33
	09/29/04	3,624.02	sheen	22.25	0.00	3,601.77
	10/05/04	3,624.02	sheen	21.22	0.00	3,602.80
	10/12/04	3,624.02	sheen	21.23	0.00	3,602.79

TABLE 2
GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 11
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-4	10/19/04	3,624.02	sheen	21.60	0.00	3,602.42
	10/25/04	3,624.02	sheen	21.68	0.00	3,602.34
	11/01/04	3,624.02	sheen	22.10	0.00	3,601.92
	11/09/04	3,624.02	sheen	21.99	0.00	3,602.03
	11/16/04	3,624.02	sheen	22.40	0.00	3,601.62
	11/22/04	3,624.02	sheen	22.27	0.00	3,601.75
	11/29/04	3,624.02	sheen	20.58	0.00	3,603.44
	12/08/04	3,624.02	-	21.00	0.00	3,603.02
	12/13/04	3,624.02	sheen	21.00	0.00	3,603.02
	12/27/04	3,624.02	sheen	21.26	0.00	3,602.76
	12/20/04	3,624.02	sheen	21.44	0.00	3,602.58
	01/10/05	3,624.02	sheen	21.69	0.00	3,602.33
	01/17/05	3,624.02	sheen	21.90	0.00	3,602.12
	01/24/05	3,624.02	sheen	22.06	0.00	3,601.96
	01/31/05	3,624.02	sheen	22.34	0.00	3,601.68
	02/07/05	3,624.02	sheen	22.49	0.00	3,601.53
	02/14/05	3,624.02	sheen	22.62	0.00	3,601.40
	02/21/05	3,624.02	sheen	22.69	0.00	3,601.33
	02/28/05	3,624.02	sheen	22.79	0.00	3,601.23
	03/07/05	3,624.02	sheen	22.70	0.00	3,601.32
	03/11/05	3,624.02	-	22.78	0.00	3,601.24
	04/04/05	3,624.02	sheen	22.91	0.00	3,601.11
	05/23/05	3,624.02	sheen	23.02	0.00	3,601.00
	06/13/05	3,624.02	23.07	23.08	0.01	3,600.95
	06/21/05	3,624.02	sheen	23.19	0.00	3,600.83
	07/26/05	3,624.02	sheen	23.40	0.00	3,600.62
	08/24/05	3,624.02	sheen	23.48	0.00	3,600.54
	09/12/05	3,624.02	23.46	23.47	0.01	3,600.56
	09/26/05	3,624.02	sheen	23.54	0.00	3,600.48
	10/25/05	3,624.02	sheen	23.60	0.00	3,600.42
	11/14/05	3,624.02	sheen	23.60	0.00	3,600.42
	12/06/05	3,624.02	sheen	23.60	0.00	3,600.42
	12/28/05	3,624.02	sheen	23.68	0.00	3,600.34
MW-5	11/08/04	3,625.24	-	21.01	0.00	3,604.23
	11/10/04	3,625.24	-	21.08	0.00	3,604.16
	03/11/05	3,625.24	-	21.95	0.00	3,603.29
	06/13/05	3,625.24	-	23.02	0.00	3,602.22
	09/12/05	3,625.24	-	23.73	0.00	3,601.51
	12/06/05	3,625.24	-	23.83	0.00	3,601.41
MW-6	11/08/04	3,623.71	-	23.38	0.00	3,600.33
	11/10/04	3,623.71	-	23.62	0.00	3,600.09
	03/11/05	3,623.71	-	23.81	0.00	3,599.90
	06/13/05	3,623.71	-	23.88	0.00	3,599.83

TABLE 2
GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 11
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-6	9/12/2005	3,623.71	-	23.94	0.00	3,599.77
	12/6/2005	3,623.71	-	23.97	0.00	3,599.74

TABLE 3

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 11
LEA COUNTY, NEW MEXICO

All concentrations are in mg/L

SAMPLE DATE	SAMPLE DATE	SW 846 - 8260				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62	
MW - 1	05/03/00	<0.001	<0.001	<0.001	<0.001	<0.001
	08/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/17/00	<0.001	<0.001	<0.001	<0.001	<0.001
	03/07/01	<0.001	<0.001	<0.001	<0.001	<0.001
	05/23/01	<0.005	<0.005	<0.005	<0.005	
	08/27/01	<0.001	<0.001	<0.001	<0.001	<0.002
	10/24/01	<0.001	<0.001	<0.001	<0.001	<0.002
	02/11/02	<0.001	<0.001	<0.001	<0.001	<0.002
	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/10/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/15/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/13/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/22/03	<0.001	<0.001	<0.001	<0.001	<0.001
	12/15/03	<0.001	<0.001	<0.001	<0.002	<0.001
	03/04/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/08/04	0.024	<0.001	<0.001	<0.001	
	03/11/05	Not Sampled Due to Sample Reduction				
	06/13/05	Not Sampled Due to Sample Reduction				
	09/12/05	Not Sampled Due to Sample Reduction				
	12/06/05	<0.001	<0.001	<0.001	<0.001	
MW - 2	05/03/00	<0.001	<0.001	<0.001	<0.001	<0.001
	08/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/17/00	<0.001	<0.001	<0.001	<0.001	<0.001
	03/07/01	<0.001	<0.001	<0.001	<0.001	<0.001
	05/23/01	<0.005	<0.005	<0.005	<0.005	
	08/27/01	<0.001	<0.001	<0.001	<0.001	<0.002
	10/24/01	<0.001	<0.001	<0.001	<0.001	<0.002
	02/11/02	<0.001	<0.001	<0.001	<0.001	<0.002
	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/10/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/15/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/13/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/22/03	<0.001	<0.001	<0.001	<0.001	<0.001
	12/15/03	<0.001	<0.001	<0.001	<0.002	<0.001
	03/04/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/08/04	<0.001	<0.001	<0.001	<0.001	
	03/11/05	Not Sampled Due to Sample Reduction				
	06/13/05	Not Sampled Due to Sample Reduction				
	09/12/05	Not Sampled Due to Sample Reduction				
	12/06/05	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/03/00	0.004	0.002	0.001	<0.001	<0.001

TABLE 3

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 11
LEA COUNTY, NEW MEXICO

All concentrations are in mg/L

SAMPLE DATE	SAMPLE DATE	SW 846 - 8260				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62	
MW-3	08/03/00	0.001	0.001	0.002	<0.001	<0.001
	11/17/00	<0.001	<0.001	<0.001	<0.001	<0.001
	03/07/01	0.002	<0.001	<0.001	<0.001	<0.001
	05/23/01	<0.005	<0.005	<0.005	<0.005	
	08/27/01	<0.001	<0.001	<0.001	<0.001	<0.002
	10/24/01	<0.001	<0.001	<0.001	<0.001	<0.002
	02/11/02	<0.001	<0.001	<0.001	<0.001	<0.002
	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/10/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/15/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/13/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/22/03	<0.001	<0.001	<0.001		<0.001
	12/15/03	0.001	<0.001	<0.001	<0.002	<0.001
	03/04/04	0.001	<0.001	<0.001	<0.002	<0.001
	12/08/04	0.001	<0.001	<0.001	<0.001	
	03/11/05	Not Sampled Due to Sample Reduction				
	06/13/05	Not Sampled Due to Sample Reduction				
	09/12/05	Not Sampled Due to Sample Reduction				
	12/06/05	<0.001	<0.001	<0.001	<0.001	
MW - 4	05/13/03	0.002	<0.001	0.006	0.035	0.004
	12/15/03	0.003	<0.001	0.005	0.035	0.002
	03/04/04	0.003	<0.001	0.004	0.032	0.001
	05/25/04	0.017	0.003	0.004	0.032	0.002
	08/31/04	0.000	<0.001	0.004	0.032	0.001
	12/08/04	0.006	<0.005	<0.005	0.027	
	03/11/05	0.008	0.006	<0.005	0.032	
	06/13/05	Not Sampled Due to PSH in Well				
	09/12/05	Not Sampled Due to PSH in Well				
	12/06/05	<0.001	<0.001	<0.001	0.002	
MW-5	11/10/04	<0.001	<0.001	<0.001	<0.001	
	03/11/05	<0.001	<0.001	<0.001	<0.001	
	06/13/05	<0.001	<0.001	<0.001	<0.001	
	09/12/05	<0.001	<0.001	<0.001	<0.001	
	12/06/05	<0.001	<0.001	<0.001	<0.001	
MW-6	11/10/04	<0.001	<0.001	<0.001	<0.001	
	03/11/05	<0.005	<0.005	<0.005	<0.005	
	06/13/05	<0.001	<0.001	<0.001	<0.001	
	09/12/05	<0.001	<0.001	<0.001	<0.001	
	12/06/05	<0.001	<0.001	<0.001	<0.001	
EB - 1	08/30/00	<0.001	<0.001	<0.001	<0.001	<0.001


TABLE 3

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 MONUMENT 11
 LEA COUNTY, NEW MEXICO

All concentrations are in mg/L

SAMPLE DATE	SAMPLE DATE	SW 846 - 8260				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62	
EB-1	11/17/00	<0.001	<0.001	<0.001	<0.001	<0.001
	03/07/01	<0.001	<0.001	<0.001	<0.001	<0.001
	05/23/01	<0.005	0.016	<0.005	<0.005	
	08/27/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/24/01	<0.001	<0.001	<0.001	<0.001	<0.001
	02/11/02	<0.001	<0.001	<0.001	<0.001	<0.001
	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/10/02	<0.001	<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

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Plains Pipeline, LP	Contact:	Camille Reynolds
Address:	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	505-441-0965
Facility Name	Monument # 11	Facility Type:	Pipeline

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

Unit Letter A	Section 30	Township 19S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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Latitude 32 degrees 38' 9.2" Longitude 103 degrees 17' 2.4"

NATURE OF RELEASE

Type of Release: Unknown	Volume of Release: Unknown	Volume Recovered: Unknown
Source of Release:	Date and Hour of Occurrence Unknown	Date and Hour of Discovery
Was Immediate Notice Given? Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Describe Area Affected and Cleanup Action Taken.*

NOTE: Texas-New Mexico Pipeline was the owner/operator of the pipeline system at the time of the release, initial response information is unavailable.

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

OIL CONSERVATION DIVISION

Signature:	Approved by District Supervisor:		
Printed Name: Camille Reynolds	Approval Date:		
Title: Remediation Coordinator	Expiration Date:	Conditions of Approval:	
E-mail Address: cjreynolds@paalp.com	Attached <input type="checkbox"/>		
Date: 3/21/2005	Phone: (505)441-0965		

Attach Additional Sheets If Necessary