

1R - 713

REPORT

DATE:

2006



**PLAINS
ALL AMERICAN**

11 January 2007

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

Re: Plains All American – Annual Monitoring Report
1 Site in Lea County, New Mexico

Dear Mr. Stone:

Plains All American is an operator of crude oil pipelines and terminal facilities in the State of New Mexico. Plains All American actively monitors 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 report for the following site:

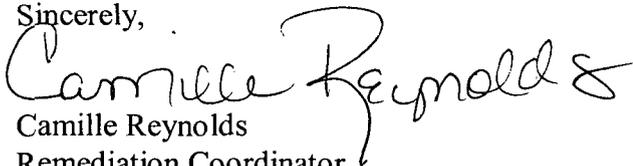
North Hobbs 8-Inch Section 29, Township 18 South, Range 38 East, Lea County

Also included in the enclosed Annual Monitoring report is a description of the soil remediation activities conducted, subsequent closure and a request to cease quarterly groundwater sampling of the monitoring wells based on laboratory results from the annual monitoring period.

Basin prepared this document and has vouched for its accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the document and interviewed Basin in order to verify the accuracy and completeness of this document. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Report for the above facility.

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

Sincerely,


Camille Reynolds
Remediation Coordinator
Plains All American

Enclosure

cc: Mr. Larry Johnson, NMOCD Hobbs District 1

2007 JUN 16 PM 1:18

IR 713
Report
2006

Basin Environmental Service Technologies, LLC

P. O. Box 301
Lovington, New Mexico 88260
kdutton@basinenv.com
Office: (505) 396-2378 Fax: (505) 396-1429



**2006
ANNUAL MONITORING REPORT**

**NORTH HOBBS 8-INCH
SW ¼ SW ¼ SECTION 29, TOWNSHIP 18 SOUTH, RANGE 38 EAST
LATITUDE 32°, 42', 40.2" NORTH, LONGITUDE 103°, 10', 41.7" WEST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: 2006-059
NMOCD FILE NUMBER: 1RP-713**

PREPARED FOR:

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

PREPARED BY:

**BASIN ENVIRONMENTAL SERVICE TECHNOLOGIES, LLC
P. O. Box 301
Lovington, New Mexico 88260**

JANUARY 2007



Ken Dutton
Project Manager

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Figure 2B – Inferred Groundwater Gradient Map – 13 June 2006

Figure 2C – Inferred Groundwater Gradient Map – 14 September 2006

Figure 2D – Inferred Groundwater Gradient Map – 26 December 2006

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Figure 3B – Groundwater Concentration Map – 13 June 2006

Figure 3C – Groundwater Concentration Map – 14 September 2006

Figure 3D – Groundwater Concentration Map – 26 December 2006

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INTRODUCTION

Basin Environmental Service Technologies, LLC, (Basin) on behalf of Plains Marketing, L.P., (Plains), prepared this annual report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an annual report by April 1 of each year. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. This report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2006 only. Additional site activities and remedial work is summarized in several letters and reports previously submitted to the NMOCD. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during the four (4) consecutive quarters of 2006 at the request of the NMOCD to assess the potential for impact to the groundwater from dissolved phase constituents. The groundwater monitoring event consisted of measuring static water levels in the monitoring wells, checking for the presence of phase-separated hydrocarbons (PSH) atop the water column, and purging and sampling of each well exhibiting sufficient recharge.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the site is SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 29, Township 18 South, Range 38 East. The site latitude is 32° 42' 40.2" North and the site longitude is 103° 10' 41.7" West. On 10 February 2006, Basin responded to the pipeline release on behalf of Plains to repair the pipeline and excavate the impacted soil. The North Hobbs 8" Pipeline was subsequently de-oiled, cold cut and capped. Approximately 10 barrels of crude oil were released from the Plains pipeline and 3 barrels were recovered. The site is characterized by a right-of-way for the pipeline in a vacant lot adjacent to commercial businesses to the east and oil production facilities to the north and west. The initial visibly surface stained area included the release point covering an area approximately 20 feet long by 20 feet wide. Excavation activities during the emergency response and subsequent remediation of the site covered an area approximately 110 feet long by 75 feet wide and approximately 18 feet below ground surface (bgs). Excavated soil was placed on a 6-mil poly-liner for future remedial action.

At the request of Hobbs NMOCD District I, three (3) groundwater monitoring wells were installed to evaluate the quality of groundwater. During the installation of the three (3) groundwater monitoring wells (13 and 14 March 2006), there were no visual signs of PSH and laboratory results of the selected soil samples did not indicate BTEX and TPH constituent concentrations above laboratory method detection limits.

A Preliminary Site Investigation Report and Remediation/Closure Plan, dated 25 April 2006, was submitted and approved by NMOCD, Hobbs District I. The Plan proposed to conduct the following remedial activities; mechanically screen the impacted soil, separate the high content of caliche rock, blend impacted soils and utilize the separated caliche rock as partial backfill in accordance with standard NMOCD approved practices. Additionally, as approved by NMOCD, a 40-ml poly liner was to be installed at the floor of the excavation (18 feet bgs) to inhibit vertical migration of contaminants in soil left in place below the cap and backfill the excavation

with the mechanically screened material on-site, collecting soil samples at 500 cubic yard intervals ensuring TPH constituent concentrations were below 100 mg/kg. After backfilling to the surface, contour and reseed with approved grass seed.

The NMOCD approved remedial activities were initiated in April 2006 and concluded in August 2006. A soil Closure Request, dated 25 October 2006, was submitted to NMOCD Hobbs District I and approved 31 October 2006 (see Appendix C, Final NMOCD C-141).

Currently, there are three (3) groundwater monitoring wells, MW-1 which is up gradient, MW-2 and MW-3, which are down gradient, on site.

FIELD ACTIVITIES

The site monitoring wells were gauged and sampled on 17 March 2006, 13 June 2006, 14 September 2006 and 26 December 2006. During the quarterly sampling events, the monitoring wells, designated to be sampled, were purged of approximately 3 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 stored in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a trailer mounted polystyrene tank and disposed at an approved disposal facility located in Monument, New Mexico.

Locations of the monitoring wells and the inferred groundwater elevations, which were constructed from the measurements collected during the quarterly groundwater monitoring events, are depicted on Figures 2A through 2D. The groundwater elevation data are provided as Table 1.

The Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.001 ft/ft. to the east-southeast as measured between groundwater monitoring wells MW-1 and MW-2. The corrected groundwater elevation ranged between 3590.34 and 3590.07 feet, in MW-1 and MW-2, 26 December 2006, respectively.

LABORATORY RESULTS

Groundwater samples were collected from the groundwater monitoring wells (MW-1, MW-2 and MW-3) during the quarterly monitoring events and were delivered to Environmental Laboratory of Texas, Odessa, Texas for determination of benzene, toluene, ethylbenzene and xylenes (BTEX) constituent concentrations by EPA Method SW846-8021b and chloride concentrations by EPA Method SW300.0 (1st quarter only). Additionally, groundwater samples were collected from the domestic well adjacent to the release site during the initial quarterly sampling event and submitted for analysis of constituent concentrations of BTEX and chlorides. A listing of BTEX and chloride constituent concentrations for 2006 is summarized in Table 2 and the laboratory reports are provided as Appendix A.

Laboratory results for the three (3) site groundwater samples, obtained during the sampling period, indicate that chloride (1st quarter only), benzene and total BTEX constituent

concentrations were either below laboratory method detection limits or below NMOCD regulatory limits for groundwater monitoring wells MW-1, MW-2 and MW-3, as depicted on Figures 3A through 3D. Laboratory results for the adjacent domestic well collected in the initial sampling event indicated that chloride concentrations were below NMOCD regulatory limits and benzene and BTEX were below laboratory method detection limits.

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

Based on the depth of the soil impact at this site, the NMOCD requested four (4) quarters of groundwater monitoring. This report presents the results of monitoring activities for the monitoring period. Currently, there are three (3) groundwater monitoring wells (MW-1, MW-2 and MW-3) on-site. The fourth (4th) quarter groundwater sampling event on 26 December 2006, indicates a general gradient of approximately 0.001 ft/ft to the east-southeast, as indicated on the Groundwater Gradient Map, Figure 2D.

Laboratory results for the three (3) site groundwater samples, obtained during the period, indicated that chloride, benzene and BTEX constituent concentrations were either below laboratory method detection limits or below NMOCD regulatory limits for groundwater monitoring wells MW-1, MW-2 and MW-3.

ANTICIPATED ACTIONS

The NMOCD approved soil remediation activities at the North Hobbs 8" site were successfully completed and a closure request was submitted and approved by NMOCD, Hobbs District I. Laboratory results from the four (4) consecutive quarterly groundwater sampling events indicate the groundwater samples analyzed from each sampling event were either not detected above laboratory method detection limits or significantly below NMOCD regulatory limits for constituent concentrations of BTEX for groundwater monitoring wells MW-1, MW-2 and MW-3. Based on the soil remediation activities completed and laboratory results for the groundwater samples collected during the 2006 annual period, Plains requests approval from the NMOCD to cease groundwater sampling and plug and abandoned the three (3) groundwater monitoring wells.

LIMITATIONS

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

Basin has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Basin 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. Basin has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin 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 Basin and/or Plains.

DISTRIBUTION

Copy 1: Ben Stone
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
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jpdann@paalp.com

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cjreynolds@paalp.com

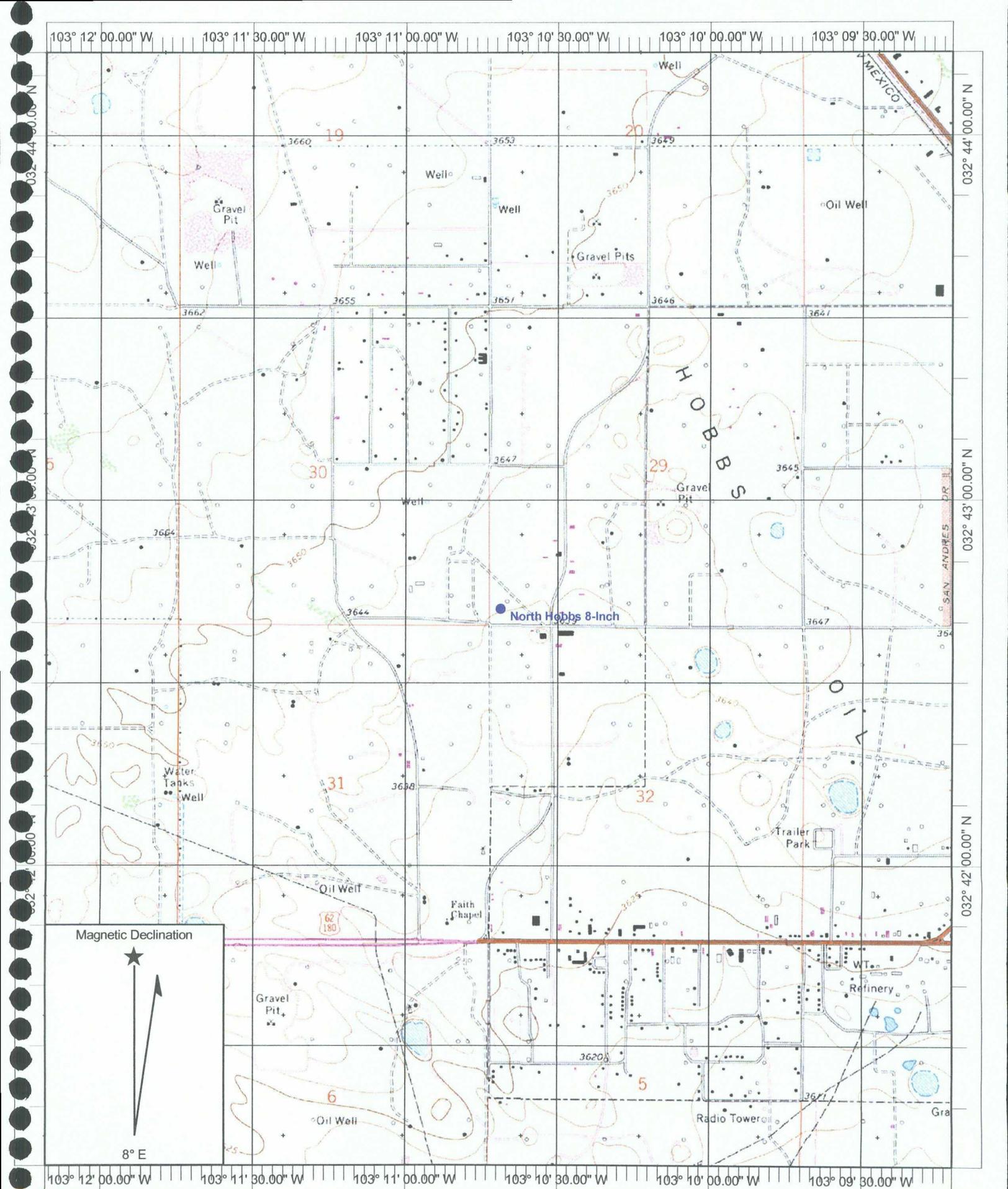
Copy 5: Basin Environmental Service Technologies, LLC
P. O. Box 301
Lovington, New Mexico 88260
kdutton@basinenv.com

Copy Number: 1

FIGURES

FIGURE 1

SITE LOCATION MAP



Name: HOBBS WEST
 Date: 1/9/2007
 Scale: 1 inch equals 2000 feet

Location: 032° 42' 42.10" N 103° 10' 41.64" W NAD 27
 Caption: Figure 1, Site Location Map
 Plains Marketing, L. P.
 North Hobbs 8-Inch

FIGURE 2A

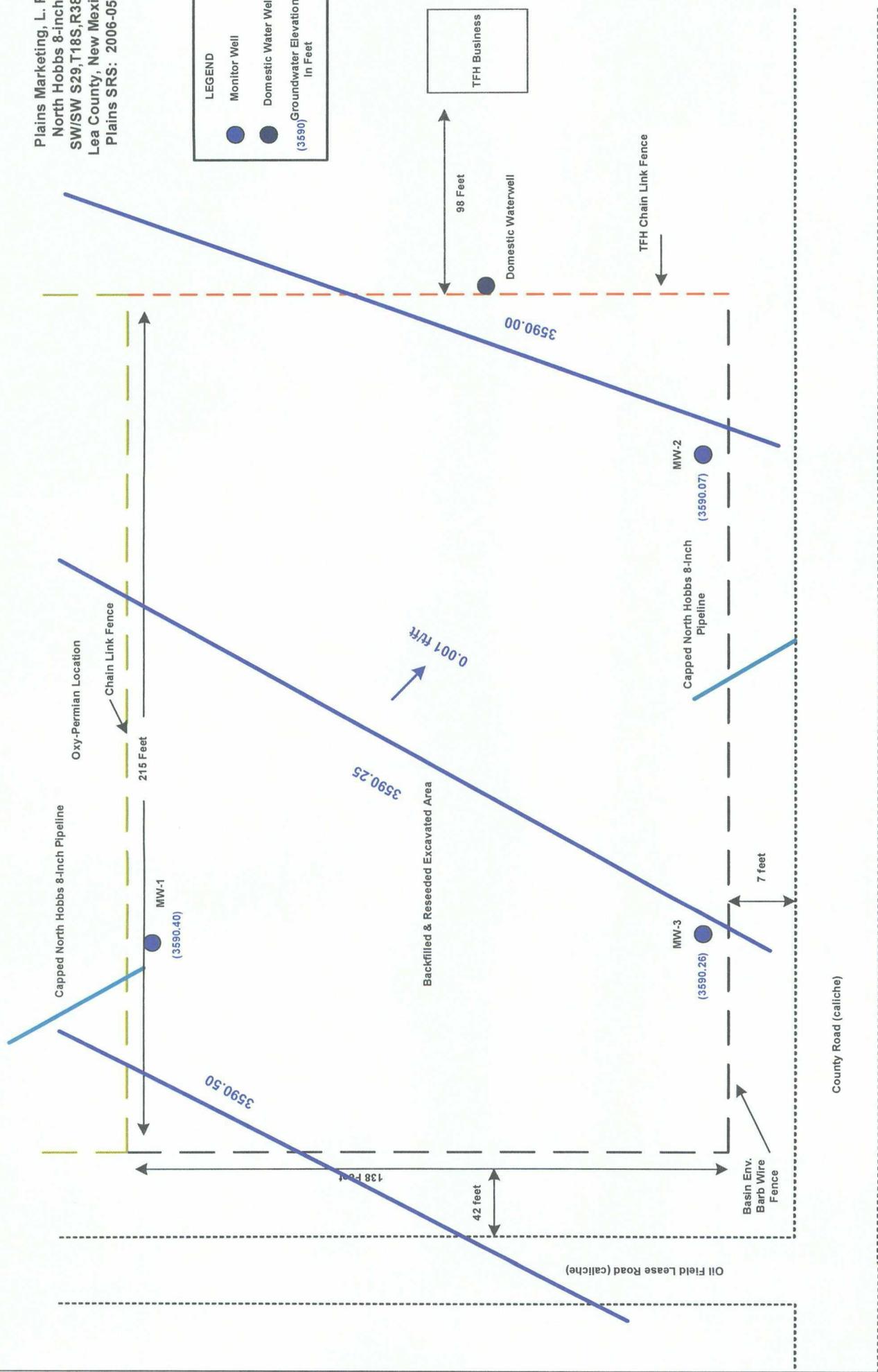
**INFERRED GROUNDWATER
GRADIENT MAP – 17 MARCH 2006**

Plains Marketing, L. P.
 North Hobbs 8-inch
 SW/SW S29, T18S, R38E
 Lea County, New Mexico
 Plains SRS: 2006-059

LEGEND

- Monitor Well
- Domestic Water Well
- (3590) Groundwater Elevation In Feet

TFH Business



DESCRIPTION Figure 2A
 Inferred Groundwater Gradient
 Map
 17 March 2006

FIGURE 2B

**INFERRED GROUNDWATER
GRADIENT MAP – 13 JUNE 2006**

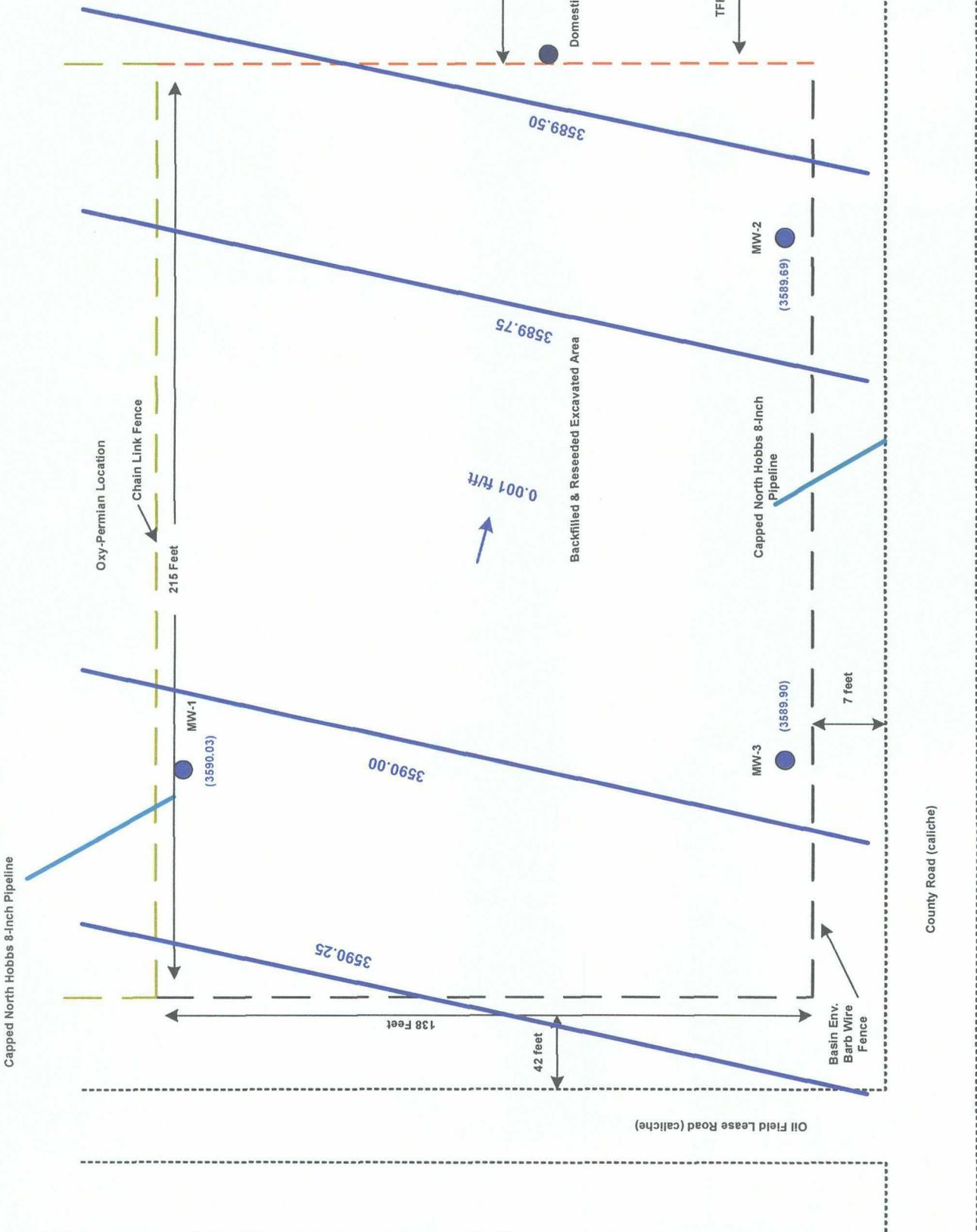
Plains Marketing, L. P.
 North Hobbs 8-inch
 SW/SW S29, T18S, R38E
 Lea County, New Mexico
 Plains SRS: 2006-059

LEGEND

- Monitor Well
- Domestic Water Well

(3590) Groundwater Elevation
 In Feet

TFH Business



DESCRIPTION
 Figure 2B
 Inferred Groundwater Gradient
 Map
 13 June 2006

FIGURE 2C

**INFERRED GROUNDWATER
GRADIENT MAP –
14 SEPTEMBER 2006**

FIGURE 2D

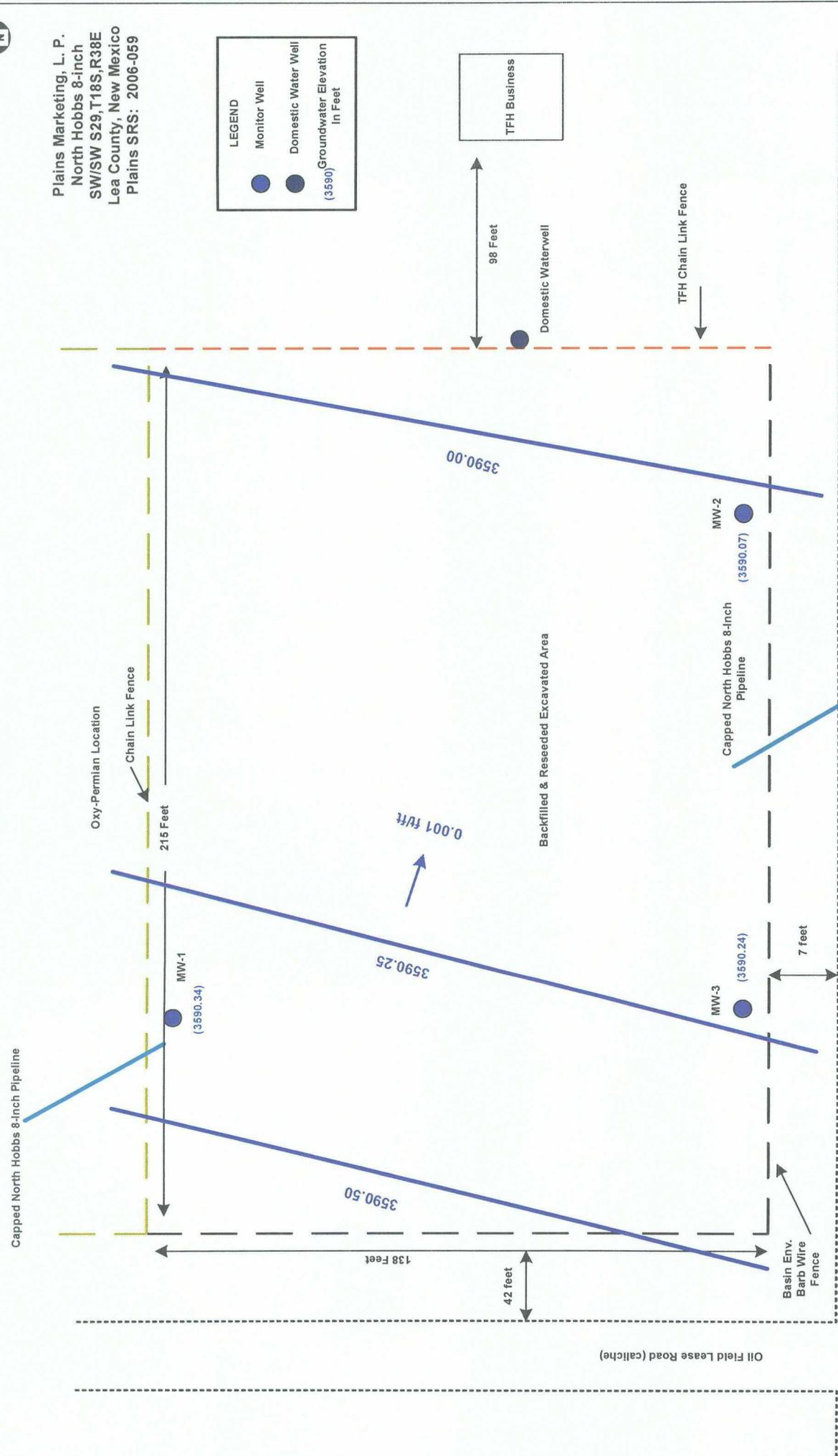
**INFERRED GROUNDWATER
GRADIENT MAP –
26 DECEMBER 2006**

Plains Marketing, L. P.
 North Hobbs 8-inch
 SW/SW S29, T18S, R38E
 Lea County, New Mexico
 Plains SRS: 2006-059

LEGEND

- Monitor Well
- Domestic Water Well
- (3590) Groundwater Elevation In Feet

TFH Business

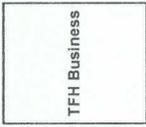


DESCRIPTION Figure 2D
 Inferred Groundwater Gradient
 Map
 26 December 2006

FIGURE 3A

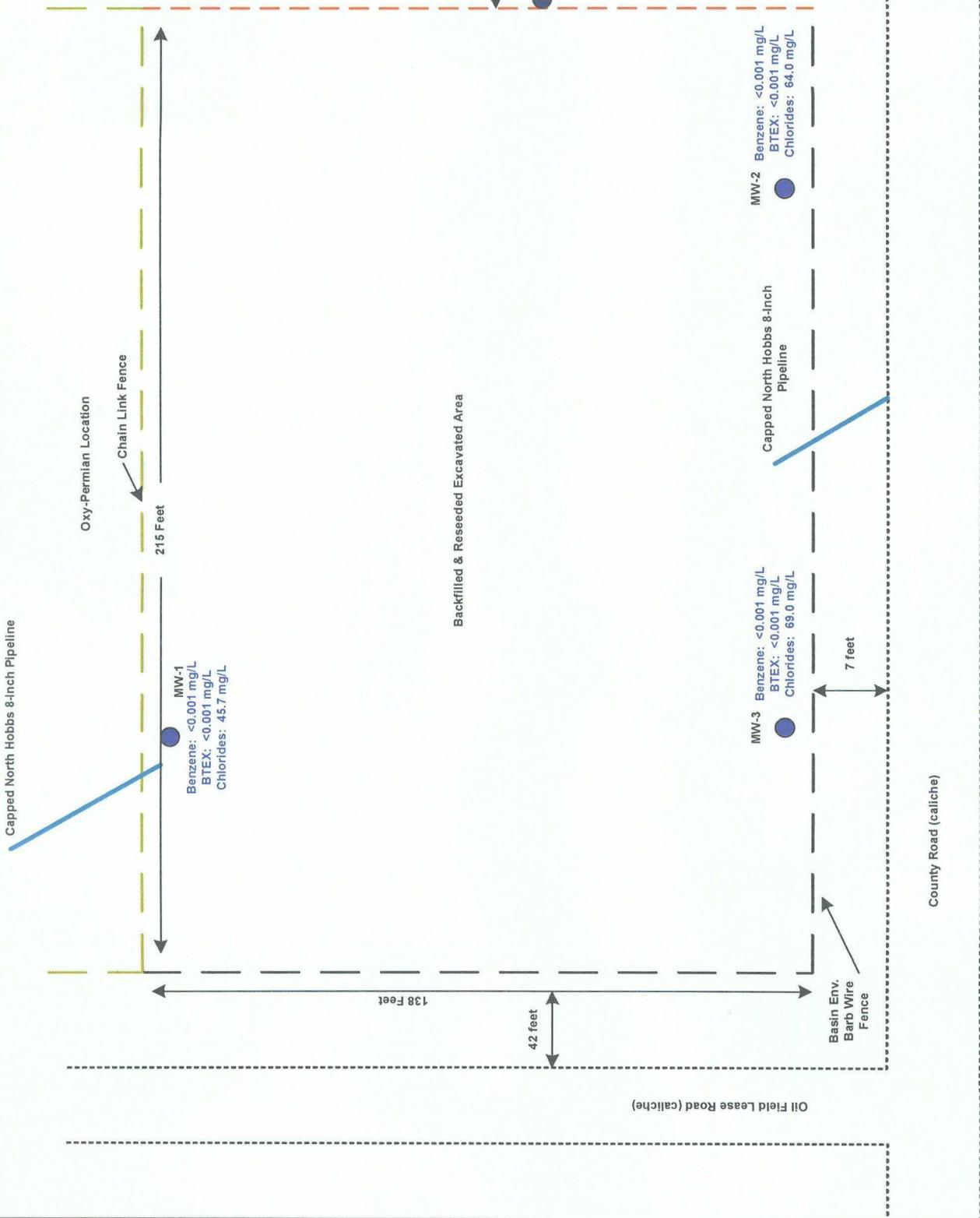
**GROUNDWATER CONCENTRATION
MAP – 17 MARCH 2006**

Plains Marketing, L. P.
 North Hobbs 8-inch
 SW/SW S29, T18S, R38E
 Lea County, New Mexico
 Plains SRS: 2006-059



98 Feet
 Domestic Waterwell
 Benzene: <0.001 mg/L
 BTEX: <0.001 mg/L
 Chlorides: 86.0 mg/L

TFH Chain Link Fence



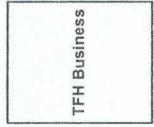
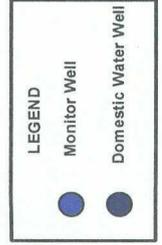
DESCRIPTION
 Figure 3A
 Groundwater Concentration (BTEX)
 Map
 17 March 2006

FIGURE 3B

**GROUNDWATER CONCENTRATION
MAP – 13 JUNE 2006**



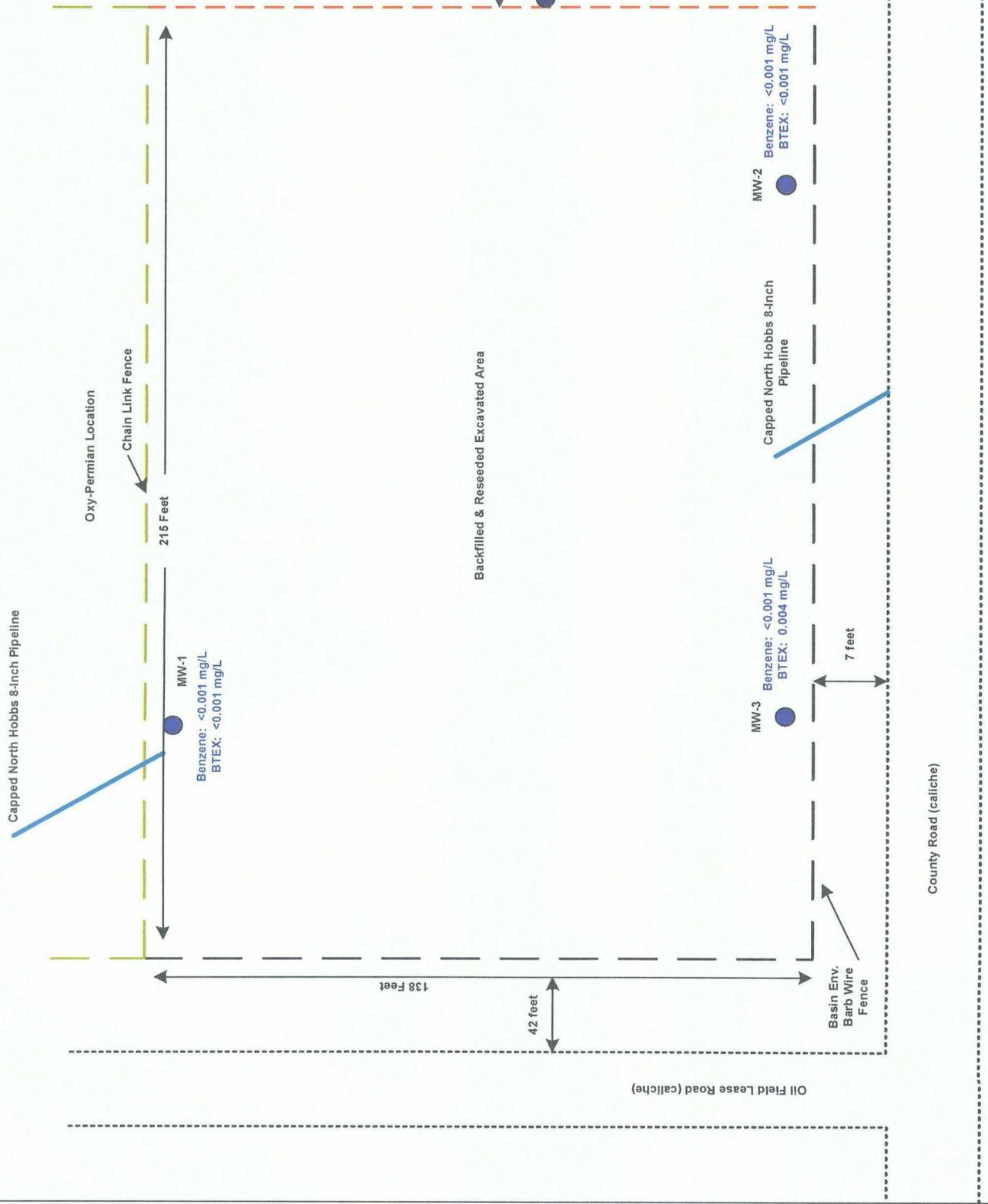
Plains Marketing, L. P.
 North Hobbs 8-inch
 SW/SW S29, T18S, R38E
 Lea County, New Mexico
 Plains SRS: 2006-059



98 Feet

Domestic Waterwell

TFH Chain Link Fence

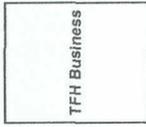


DESCRIPTION
 Figure 3B
 Groundwater Concentration (BTEX)
 Map
 13 June 2006

FIGURE 3C

**GROUNDWATER CONCENTRATION
MAP – 14 SEPTEMBER 2006**

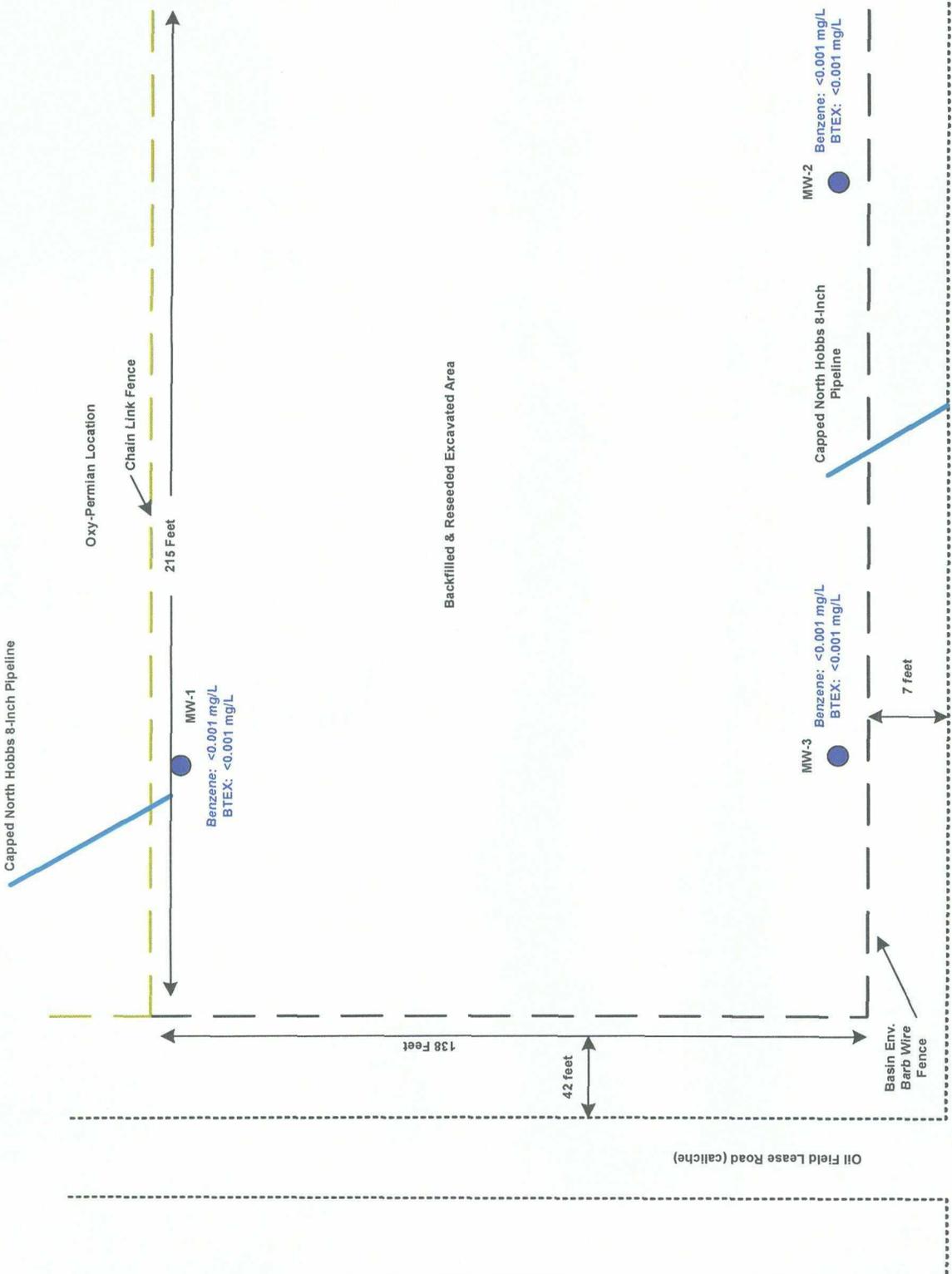
Plains Marketing, L. P.
 North Hobbs 8-inch
 SW/SW S29, T18S, R38E
 Lea County, New Mexico
 Plains SRS: 2006-059



98 Feet

Domestic Waterwell

TFH Chain Link Fence

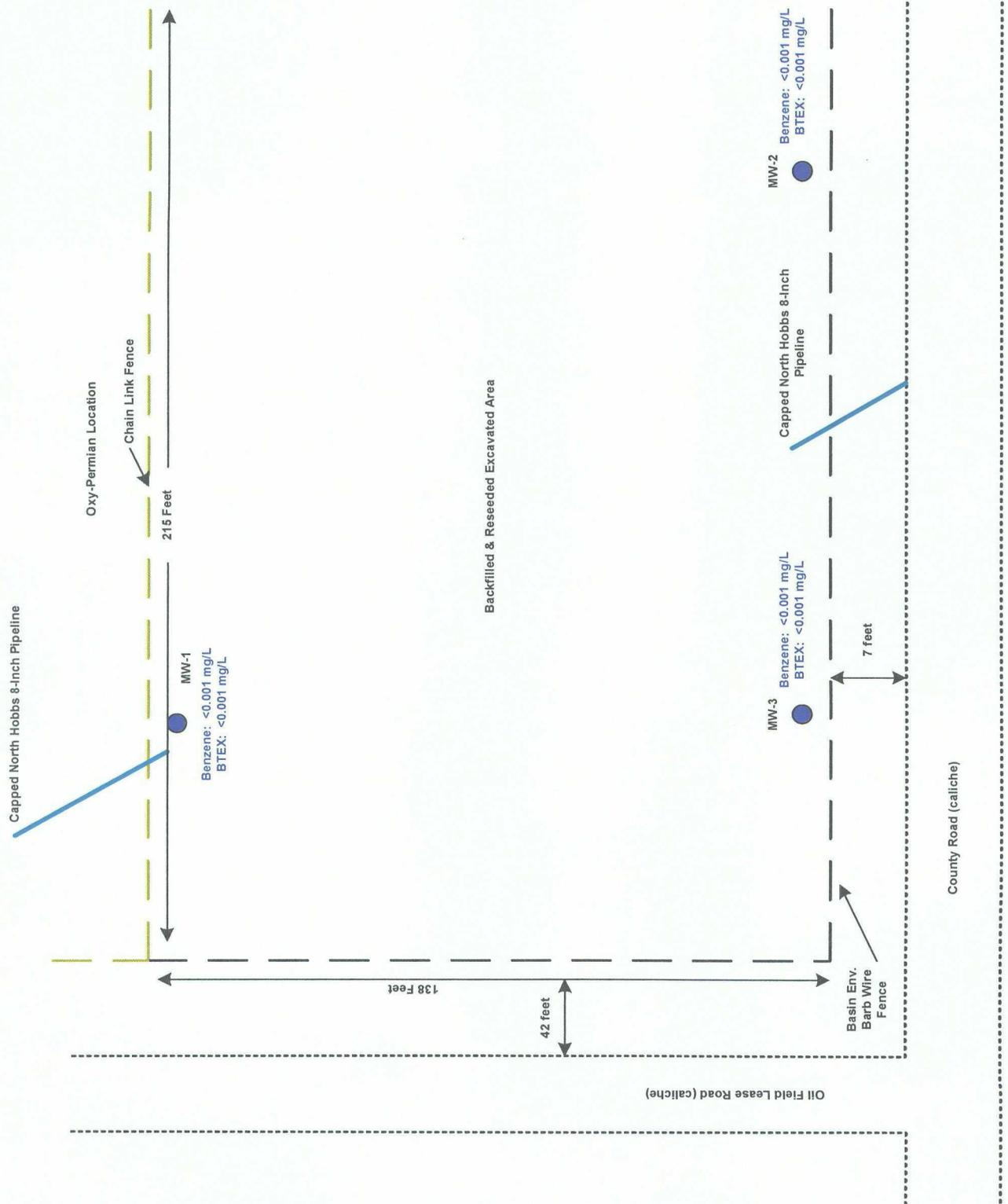


DESCRIPTION
 Figure 3C
 Groundwater Concentration (BTEX)
 Map
 14 September 2006

FIGURE 3D

**GROUNDWATER CONCENTRATION
MAP – 26 DECEMBER 2006**

Plains Marketing, L. P.
 North Hobbs 8-inch
 SW/SW S29, T18S, R38E
 Lea County, New Mexico
 Plains SRS: 2006-059



DESCRIPTION
 Figure 3D
 Groundwater Concentration (BTEX)
 Map
 26 December 2006

TABLES

TABLE 1

GROUNDWATER ELEVATION DATA

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 NORTH HOBBS 8-INCH
 LEA COUNTY, NEW MEXICO
 PLAINS SRS NO. 2006-059

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	03/17/06	3,641.35	-	50.95	0.00	3,590.40
	06/13/06	3,641.35	-	51.32	0.00	3,590.03
	09/14/06	3,641.35	-	51.11	0.00	3,590.24
	12/26/06	3,641.35	-	51.01	0.00	3,590.34
MW - 2	03/17/06	3,640.92	-	50.85	0.00	3,590.07
	06/13/06	3,640.92	-	51.23	0.00	3,589.69
	09/14/06	3,640.92	-	50.90	0.00	3,590.02
	12/26/06	3,640.92	-	50.85	0.00	3,590.07
MW - 3	03/17/06	3,640.87	-	50.61	0.00	3,590.26
	06/13/06	3,640.87	-	50.97	0.00	3,589.90
	09/14/06	3,640.87	-	50.71	0.00	3,590.16
	12/26/06	3,640.87	-	50.63	0.00	3,590.24

TABLE 2

**CONCENTRATION OF BENZENE
AND BTEX IN GROUNDWATER**

TABLE 2

CONCENTRATIONS OF BENZENE & BTEX

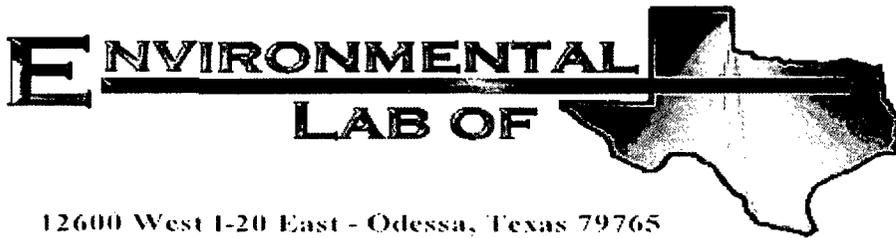
PLAINS MARKETING, L.P.
 NORTH HOBBS 8-INCH
 LEA COUNTY, NEW MEXICO
 PLAINS SRS: 2006-059

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8021B, 5030						Method: 300.0 CHLORIDES (mg/L)
		BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL- BENZENE (mg/L)	M,P- XYLENES (mg/L)	O-XYLENES (mg/L)		
SB-1	03/08/06	<0.001	<0.001	0.003	0.006	<0.001		
TFH W/W	03/17/06	<0.001	<0.001	<0.001	<0.001	<0.001		86.0
MW-1	03/17/06	<0.001	<0.001	<0.001	<0.001	<0.001		45.7
	06/13/06	<0.001	<0.001	<0.001	<0.001	<0.001		
	09/14/06	<0.001	<0.001	<0.001	<0.001	<0.001		
	12/26/06	<0.001	<0.001	<0.001	<0.001	<0.001		
MW-2	03/17/06	<0.001	<0.001	<0.001	<0.001	<0.001		64.0
	06/13/06	<0.001	<0.001	<0.001	<0.001	<0.001		
	09/14/06	<0.001	<0.001	<0.001	<0.001	<0.001		
	12/26/06	<0.001	<0.001	<0.001	<0.001	<0.001		
MW-3	03/17/06	<0.001	<0.001	<0.001	<0.001	<0.001		69.0
	06/13/06	<0.001	<0.001	<0.001	0.004	0.001		
	09/14/06	<0.001	<0.001	<0.001	<0.001	<0.001		
	12/26/06	<0.001	<0.001	<0.001	<0.001	<0.001		
NMOC D CRITERIA		0.01	0.75	0.75	TOTAL XYLENES 0.62			

APPENDICES

APPENDIX A

LABORATORY REPORTS



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea County, NM

Lab Order Number: 6L29006

Report Date: 01/02/07

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: North Hobbs 8"
Project Number: SRS: 2006-059
Project Manager: Camille Reynolds

Fax: (432) 687-4914

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6L29006-01	Water	12/26/06 14:30	12-29-2006 14:00
MW-2	6L29006-02	Water	12/26/06 15:35	12-29-2006 14:00
MW-3	6L29006-03	Water	12/26/06 16:40	12-29-2006 14:00

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6L29006-01) Water									
Benzene	ND	0.00100	mg/L	1	EL63101	12/31/06	12/31/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		103 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	80-120		"	"	"	"	
MW-2 (6L29006-02) Water									
Benzene	ND	0.00100	mg/L	1	EL63101	12/31/06	12/31/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		91.5 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.8 %	80-120		"	"	"	"	
MW-3 (6L29006-03) Water									
Benzene	ND	0.00100	mg/L	1	EL63101	12/31/06	12/31/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		97.5 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.2 %	80-120		"	"	"	"	

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch EL63101 - EPA 5030C (GC)

Blank (EL63101-BLK1)

Prepared: 12/31/06 Analyzed: 01/01/07

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	36.1		ug/l	40.0		90.2	80-120			
Surrogate: 4-Bromofluorobenzene	37.0		"	40.0		92.5	80-120			

LCS (EL63101-BS1)

Prepared: 12/31/06 Analyzed: 01/01/07

Benzene	0.0455	0.00100	mg/L	0.0500		91.0	80-120			
Toluene	0.0472	0.00100	"	0.0500		94.4	80-120			
Ethylbenzene	0.0444	0.00100	"	0.0500		88.8	80-120			
Xylene (p/m)	0.0942	0.00100	"	0.100		94.2	80-120			
Xylene (o)	0.0439	0.00100	"	0.0500		87.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	36.2		ug/l	40.0		90.5	80-120			
Surrogate: 4-Bromofluorobenzene	43.5		"	40.0		109	80-120			

Calibration Check (EL63101-CCV1)

Prepared: 12/31/06 Analyzed: 01/01/07

Benzene	48.2		ug/l	50.0		96.4	80-120			
Toluene	49.3		"	50.0		98.6	80-120			
Ethylbenzene	56.4		"	50.0		113	80-120			
Xylene (p/m)	94.8		"	100		94.8	80-120			
Xylene (o)	45.3		"	50.0		90.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.8		"	40.0		94.5	80-120			
Surrogate: 4-Bromofluorobenzene	44.1		"	40.0		110	80-120			

Matrix Spike (EL63101-MS1)

Source: 6L29005-01

Prepared: 12/31/06 Analyzed: 01/01/07

Benzene	0.0470	0.00100	mg/L	0.0500	ND	94.0	80-120			
Toluene	0.0473	0.00100	"	0.0500	ND	94.6	80-120			
Ethylbenzene	0.0502	0.00100	"	0.0500	ND	100	80-120			
Xylene (p/m)	0.0959	0.00100	"	0.100	ND	95.9	80-120			
Xylene (o)	0.0441	0.00100	"	0.0500	ND	88.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.7		ug/l	40.0		89.2	80-120			
Surrogate: 4-Bromofluorobenzene	42.9		"	40.0		107	80-120			

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL63101 - EPA 5030C (GC)										
Matrix Spike Dup (EL63101-MSD1)		Source: 6L29005-01		Prepared: 12/31/06	Analyzed: 01/01/07					
Benzene	0.0461	0.00100	mg/L	0.0500	ND	92.2	80-120	1.93	20	
Toluene	0.0485	0.00100	"	0.0500	ND	97.0	80-120	2.51	20	
Ethylbenzene	0.0527	0.00100	"	0.0500	ND	105	80-120	4.88	20	
Xylene (p/m)	0.0978	0.00100	"	0.100	ND	97.8	80-120	1.96	20	
Xylene (o)	0.0458	0.00100	"	0.0500	ND	91.6	80-120	3.78	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>37.3</i>		<i>ug/l</i>	<i>40.0</i>		<i>93.2</i>	<i>80-120</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>42.6</i>		<i>"</i>	<i>40.0</i>		<i>106</i>	<i>80-120</i>			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

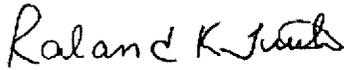
Project: North Hobbs 8"
Project Number: SRS: 2006-059
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date: 1/2/2007

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Ken Dutton PAGE 01 OF 01

Company Name: Basin Environmental Service Technologies, LLC

Company Address: P. O. Box 301

City/State/Zip: Lovington, NM 88260

Telephone No: (505) 441-2124

Sampler Signature: *Ken Dutton*

Project Name: NORTH HOBBS 8-INCH

Project #: 2006-059

Project Loc: Lea County, NM

PO #: PAA - C. J. Reynolds

Fax No: (505) 396-1429

e-mail: kad@basinenv.com

Report Format: Standard TRRP NPOES

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filled	Total # of Containers	Preservation & # of Containers					Matrix	Analyze For:	
								Ice	HNO ₃	HCl (form. acids)	H ₂ SO ₄	NaOH			Na ₂ S ₂ O ₈
001	MW-1			26-Dec-06	1430		2	X	X					GW	TPH: 418.1 801SM 80168 TPH: TX 1005 TX 1006 Cations (Ca, Mg, Na, K) Anions (Cl, SO ₄ , Alkalinity) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Se Volatiles Semivolatiles BTEX 8021B/5030 or BTEX 8260 X N.O.R.M.
002	MW-2			26-Dec-06	1535		2	X	X					GW	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs X Standard TAT
003	MW-3			26-Dec-06	1640		2	X	X					GW	

Special Instructions:

Relinquished by: *Ken Dutton* Date: 20 Dec 06 Time: 0920

Relinquished by: *Amya Blackwood* Date: 28 Dec 06 Time: 2:00

Received by: *Amya Blackwood* Date: 28 Dec 06 Time: 9:20

Received by: *Colan Dickerson* Date: 12-27-06 Time: 1:40

Relinquished by: *Amya Blackwood* Date: 28 Dec 06 Time: 2:00

Received by: *Colan Dickerson* Date: 12-27-06 Time: 1:40

Laboratory Comments:

Sample Containers Intact? N

VOCs Free of Headspace? N

Labels on container(s) N

Custody seals on container(s) N

Custody seals on cooler(s) N

Sample Hand Delivered N

by Sampler/Client/Rep? N

by Coliner? N

UPS N

DHL N

FedEx N

Temperature Upon Receipt: 0°C

Environmental Lab of Texas
 Variance/ Corrective Action Report- Sample Log-In

Client: Plains P/L / Basin Env.
 Date/ Time: 12-29-06 @ 1400
 Lab ID #: 6L29006
 Initials: JMM

Sample Receipt Checklist

				Client Initials
Temperature of container/ cooler?	<input checked="" type="radio"/> Yes	No	0.0 °C	
Shipping container in good condition?	<input checked="" type="radio"/> Yes	No		
Custody Seals intact on shipping container/ cooler?	<input checked="" type="radio"/> Yes	No	Not Present	
Custody Seals intact on sample bottles/ container?	<input checked="" type="radio"/> Yes	No	Not Present	
Chain of Custody present?	<input checked="" type="radio"/> Yes	No		
Sample instructions complete of Chain of Custody?	<input checked="" type="radio"/> Yes	No		
Chain of Custody signed when relinquished/ received?	<input checked="" type="radio"/> Yes	No		
Chain of Custody agrees with sample label(s)?	<input checked="" type="radio"/> Yes	No	ID written on Cont./ Lid	
Container label(s) legible and intact?	<input checked="" type="radio"/> Yes	No	Not Applicable	
Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="radio"/> Yes	No		
Containers supplied by ELOT?	<input checked="" type="radio"/> Yes	No		
Samples in proper container/ bottle?	<input checked="" type="radio"/> Yes	No	See Below	
Samples properly preserved?	<input checked="" type="radio"/> Yes	No	See Below	
Sample bottles intact?	<input checked="" type="radio"/> Yes	No		
Preservations documented on Chain of Custody?	<input checked="" type="radio"/> Yes	No		
Containers documented on Chain of Custody?	<input checked="" type="radio"/> Yes	No		
Sufficient sample amount for indicated test(s)?	<input checked="" type="radio"/> Yes	No	See Below	
All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	No	See Below	
Subcontract of sample(s)?	<input checked="" type="radio"/> Yes	No	Not Applicable	
VOC samples have zero headspace?	<input checked="" type="radio"/> Yes	No	Not Applicable	

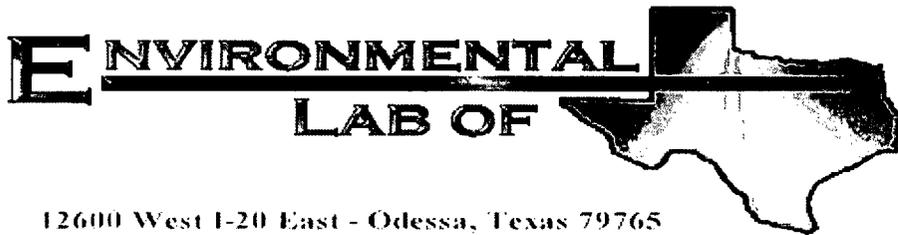
Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that Apply:
- See attached e-mail/ fax
 - Client understands and would like to proceed with analysis
 - Cooling process had begun shortly after sampling event



Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea County, NM

Lab Order Number: 6115013

Report Date: 09/21/06

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: North Hobbs 8"
Project Number: SRS: 2006-059
Project Manager: Camille Reynolds

Fax: (432) 687-4914

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6115013-01	Water	09/14/06 10:07	09-15-2006 13:35
MW-2	6115013-02	Water	09/14/06 09:27	09-15-2006 13:35
MW-3	6115013-03	Water	09/14/06 08:55	09-15-2006 13:35

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6115013-01) Water									
Benzene	ND	0.00100	mg/L	1	E161906	09/19/06	09/20/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		92.0 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.5 %	80-120	"	"	"	"	"	
MW-2 (6115013-02) Water									
Benzene	ND	0.00100	mg/L	1	E161906	09/19/06	09/20/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		93.5 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.8 %	80-120	"	"	"	"	"	
MW-3 (6115013-03) Water									
Benzene	ND	0.00100	mg/L	1	E161906	09/19/06	09/20/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		91.8 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.8 %	80-120	"	"	"	"	"	

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EI61906 - EPA 5030C (GC)

Blank (EI61906-BLK1)

Prepared: 09/19/06 Analyzed: 09/20/06

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	41.7		ug/l	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	42.7		"	40.0		107	80-120			

LCS (EI61906-BS1)

Prepared & Analyzed: 09/19/06

Benzene	0.0553	0.00100	mg/L	0.0500		111	80-120			
Toluene	0.0473	0.00100	"	0.0500		94.6	80-120			
Ethylbenzene	0.0437	0.00100	"	0.0500		87.4	80-120			
Xylene (p/m)	0.105	0.00100	"	0.100		105	80-120			
Xylene (o)	0.0506	0.00100	"	0.0500		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.9		ug/l	40.0		99.8	80-120			
Surrogate: 4-Bromofluorobenzene	36.7		"	40.0		91.8	80-120			

Calibration Check (EI61906-CCV1)

Prepared: 09/19/06 Analyzed: 09/20/06

Benzene	0.0540		mg/L	0.0500		108	80-120			
Toluene	0.0482		"	0.0500		96.4	80-120			
Ethylbenzene	0.0489		"	0.0500		97.8	80-120			
Xylene (p/m)	0.0966		"	0.100		96.6	80-120			
Xylene (o)	0.0480		"	0.0500		96.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	40.1		ug/l	40.0		100	80-120			
Surrogate: 4-Bromofluorobenzene	43.3		"	40.0		108	80-120			

Matrix Spike (EI61906-MS1)

Source: 6114005-01

Prepared: 09/19/06 Analyzed: 09/20/06

Benzene	0.0597	0.00100	mg/L	0.0500	ND	119	80-120			
Toluene	0.0503	0.00100	"	0.0500	ND	101	80-120			
Ethylbenzene	0.0502	0.00100	"	0.0500	ND	100	80-120			
Xylene (p/m)	0.106	0.00100	"	0.100	ND	106	80-120			
Xylene (o)	0.0511	0.00100	"	0.0500	ND	102	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.8		ug/l	40.0		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	46.6		"	40.0		116	80-120			

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch EI61906 - EPA 5030C (GC)

Matrix Spike Dup (EI61906-MSD1)

Source: 6114005-01

Prepared: 09/19/06 Analyzed: 09/20/06

Benzene	0.0580	0.00100	mg/L	0.0500	ND	116	80-120	2.55	20	
Toluene	0.0510	0.00100	"	0.0500	ND	102	80-120	0.985	20	
Ethylbenzene	0.0506	0.00100	"	0.0500	ND	101	80-120	0.995	20	
Xylene (p/m)	0.106	0.00100	"	0.100	ND	106	80-120	0.00	20	
Xylene (o)	0.0534	0.00100	"	0.0500	ND	107	80-120	4.78	20	
Surrogate: a,a,a-Trifluorotoluene	40.0		ug/l	40.0		100	80-120			
Surrogate: 4-Bromofluorobenzene	46.0		"	40.0		115	80-120			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: North Hobbs 8"
Project Number: SRS: 2006-059
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K Tuttle

Date:

9/21/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client: Plains
 Date/ Time: 9/15/06 1:35
 Lab ID #: 6E15013
 Initials: OK

Sample Receipt Checklist

	Yes	No	Client Initials
Temperature of container/ cooler?			K.D °C
Shipping container in good condition?	<u>Yes</u>	No	
Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	Not Present
Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	Not Present
Chain of Custody present?	<u>Yes</u>	No	
Sample instructions complete of Chain of Custody?	<u>Yes</u>	No	
Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No	
Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No	ID written on Cont./ Lid
Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable
Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No	
Containers supplied by ELOT?	<u>Yes</u>	No	
Samples in proper container/ bottle?	<u>Yes</u>	No	See Below
Samples properly preserved?	<u>Yes</u>	No	See Below
Sample bottles intact?	<u>Yes</u>	No	
Preservations documented on Chain of Custody?	<u>Yes</u>	No	
Containers documented on Chain of Custody?	<u>Yes</u>	No	
Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below
All samples received within sufficient hold time?	<u>Yes</u>	No	See Below
VOC samples have zero headspace?	<u>Yes</u>	No	Not Applicable

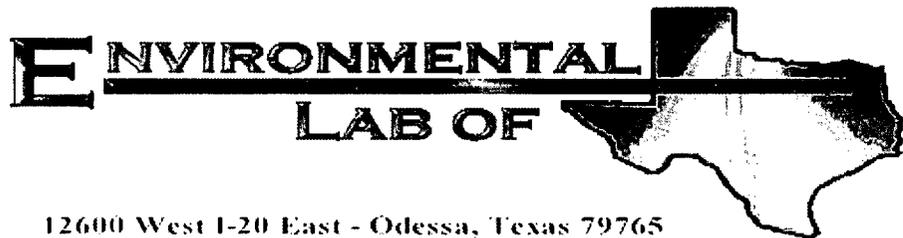
Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that Apply:
- See attached e-mail/ fax
 - Client understands and would like to proceed with analysis
 - Cooling process had begun shortly after sampling event



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea Co., NM

Lab Order Number: 6F15014

Report Date: 06/23/06

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: North Hobbs 8"
Project Number: SRS: 2006-059
Project Manager: Camille Reynolds

Fax: (432) 687-4914

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6F15014-01	Water	06/13/06 09:50	06/15/06 12:45
MW-2	6F15014-02	Water	06/13/06 10:55	06/15/06 12:45
MW-3	6F15014-03	Water	06/13/06 12:00	06/15/06 12:45

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6F15014-01) Water									
Benzene	ND	0.00100	mg/L	1	EF62102	06/21/06	06/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.0 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.2 %	80-120	"	"	"	"	"	
MW-2 (6F15014-02) Water									
Benzene	ND	0.00100	mg/L	1	EF62102	06/21/06	06/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		116 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.2 %	80-120	"	"	"	"	"	
MW-3 (6F15014-03) Water									
Benzene	ND	0.00100	mg/L	1	EF62102	06/21/06	06/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	I [0.000911]	0.00100	"	"	"	"	"	"	
Xylene (p/m)	0.00488	0.00100	"	"	"	"	"	"	
Xylene (o)	0.00193	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		93.5 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.8 %	80-120	"	"	"	"	"	

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF62102 - EPA 5030C (GC)

Blank (EF62102-BLK1)

Prepared & Analyzed: 06/21/06

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	40.8		ug/l	40.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	32.0		"	40.0		80.0	80-120			

LCS (EF62102-BS1)

Prepared & Analyzed: 06/21/06

Benzene	0.0523	0.00100	mg/L	0.0500		105	80-120			
Toluene	0.0568	0.00100	"	0.0500		114	80-120			
Ethylbenzene	0.0548	0.00100	"	0.0500		110	80-120			
Xylene (p/m)	0.119	0.00100	"	0.100		119	80-120			
Xylene (o)	0.0582	0.00100	"	0.0500		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	42.8		ug/l	40.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	41.1		"	40.0		103	80-120			

Calibration Check (EF62102-CCV1)

Prepared & Analyzed: 06/21/06

Benzene	58.5		ug/l	50.0		117	80-120			
Toluene	59.9		"	50.0		120	80-120			
Ethylbenzene	58.1		"	50.0		116	80-120			
Xylene (p/m)	119		"	100		119	80-120			
Xylene (o)	59.6		"	50.0		119	80-120			
Surrogate: a,a,a-Trifluorotoluene	43.0		"	40.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	38.6		"	40.0		96.5	80-120			

Matrix Spike (EF62102-MS1)

Source: 6F15011-01

Prepared & Analyzed: 06/21/06

Benzene	0.0523	0.00100	mg/L	0.0500	ND	105	80-120			
Toluene	0.0579	0.00100	"	0.0500	ND	116	80-120			
Ethylbenzene	0.0509	0.00100	"	0.0500	ND	102	80-120			
Xylene (p/m)	0.119	0.00100	"	0.100	ND	119	80-120			
Xylene (o)	0.0598	0.00100	"	0.0500	ND	120	80-120			
Surrogate: a,a,a-Trifluorotoluene	44.0		ug/l	40.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	43.6		"	40.0		109	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch EF62102 - EPA 5030C (GC)

Matrix Spike Dup (EF62102-MSD1)	Source: 6F15011-01			Prepared & Analyzed: 06/21/06						
Benzene	0.0579	0.00100	mg/L	0.0500	ND	116	80-120	9.95	20	
Toluene	0.0576	0.00100	"	0.0500	ND	115	80-120	0.866	20	
Ethylbenzene	0.0578	0.00100	"	0.0500	ND	116	80-120	12.8	20	
Xylene (p/m)	0.120	0.00100	"	0.100	ND	120	80-120	0.837	20	
Xylene (o)	0.0580	0.00100	"	0.0500	ND	116	80-120	3.39	20	
Surrogate: a,a,a-Trifluorotoluene	40.7		ug/l	40.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	41.0		"	40.0		102	80-120			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

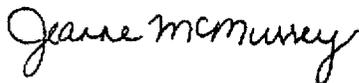
Project: North Hobbs 8"
Project Number: SRS: 2006-059
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date: 6/23/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
La Tasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

**Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In**

Plains

Time: 6/15/06 12:45

Lot #: WF150

By: ck

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	O, S	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No		
Body Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/>	No	Not present	
Body Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present	
Chain of custody present?	<input checked="" type="checkbox"/>	No		
Chain of custody instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No		
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/>	No		
Container labels legible and intact?	<input checked="" type="checkbox"/>	No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No		
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No		
Samples properly preserved?	<input checked="" type="checkbox"/>	No		
Sample bottles intact?	<input checked="" type="checkbox"/>	No		
Observations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Signatures documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No		
Samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No		
Samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable	

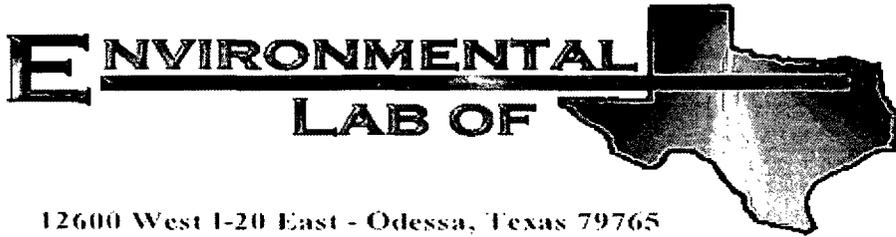
Other observations:

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____

Regarding: _____

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea County, NM

Lab Order Number: 6C20005

Report Date: 03/23/06

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: North Hobbs 8"
Project Number: SRS: 2006-059
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
03/23/06 20:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6C20005-01	Water	03/17/06 13:40	03/20/06 11:00
MW-2	6C20005-02	Water	03/17/06 12:06	03/20/06 11:00
MW-3	6C20005-03	Water	03/17/06 10:35	03/20/06 11:00

Volatile Organic Compounds by EPA Method 8260B
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6C20005-01) Water									
Benzene	ND	1.00	ug/l	1	EC62305	03/23/06	03/23/06	EPA 8260B	
Toluene	ND	1.00	"	"	"	"	"	"	"
Ethylbenzene	ND	1.00	"	"	"	"	"	"	"
Xylene (p/m)	ND	1.00	"	"	"	"	"	"	"
Xylene (o)	ND	1.00	"	"	"	"	"	"	"
<i>Surrogate: Dibromofluoromethane</i>		94.6 %	68-129		"	"	"	"	"
<i>Surrogate: 1,2-Dichloroethane-d4</i>		76.6 %	72-132		"	"	"	"	"
<i>Surrogate: Toluene-d8</i>		102 %	74-118		"	"	"	"	"
<i>Surrogate: 4-Bromofluorobenzene</i>		96.0 %	65-140		"	"	"	"	"
MW-2 (6C20005-02) Water									
Benzene	ND	1.00	ug/l	1	EC62305	03/23/06	03/23/06	EPA 8260B	
Toluene	ND	1.00	"	"	"	"	"	"	"
Ethylbenzene	ND	1.00	"	"	"	"	"	"	"
Xylene (p/m)	ND	1.00	"	"	"	"	"	"	"
Xylene (o)	ND	1.00	"	"	"	"	"	"	"
<i>Surrogate: Dibromofluoromethane</i>		112 %	68-129		"	"	"	"	"
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	72-132		"	"	"	"	"
<i>Surrogate: Toluene-d8</i>		108 %	74-118		"	"	"	"	"
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %	65-140		"	"	"	"	"
MW-3 (6C20005-03) Water									
Benzene	ND	1.00	ug/l	1	EC62305	03/23/06	03/23/06	EPA 8260B	
Toluene	ND	1.00	"	"	"	"	"	"	"
Ethylbenzene	ND	1.00	"	"	"	"	"	"	"
Xylene (p/m)	ND	1.00	"	"	"	"	"	"	"
Xylene (o)	ND	1.00	"	"	"	"	"	"	"
<i>Surrogate: Dibromofluoromethane</i>		105 %	68-129		"	"	"	"	"
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.2 %	72-132		"	"	"	"	"
<i>Surrogate: Toluene-d8</i>		98.8 %	74-118		"	"	"	"	"
<i>Surrogate: 4-Bromofluorobenzene</i>		92.6 %	65-140		"	"	"	"	"

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914
 Reported:
 03/23/06 20:45

**Volatile Organic Compounds by EPA Method 8260B - Quality Control
 Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EC62305 - EPA 5030C (GCMS)

Blank (EC62305-BLK1)

Prepared & Analyzed: 03/23/06

Benzene	ND	1.00	ug/l							
Toluene	ND	1.00	"							
Ethylbenzene	ND	1.00	"							
Xylene (p/m)	ND	1.00	"							
Xylene (o)	ND	1.00	"							
Surrogate: Dibromofluoromethane	44.1		"	50.0		88.2	68-129			
Surrogate: 1,2-Dichloroethane-d4	40.8		"	50.0		81.6	72-132			
Surrogate: Toluene-d8	51.6		"	50.0		103	74-118			
Surrogate: 4-Bromofluorobenzene	46.9		"	50.0		93.8	65-140			

LCS (EC62305-BS1)

Prepared & Analyzed: 03/22/06

Benzene	47.3	1.00	ug/l	50.0		94.6	70-130			
Toluene	57.6	1.00	"	50.0		115	70-130			
Ethylbenzene	46.7	1.00	"	50.0		93.4	70-130			
Xylene (p/m)	92.6	1.00	"	100		92.6	70-130			
Xylene (o)	47.0	1.00	"	50.0		94.0	70-130			
Surrogate: Dibromofluoromethane	50.4		"	50.0		101	68-129			
Surrogate: 1,2-Dichloroethane-d4	50.4		"	50.0		101	72-132			
Surrogate: Toluene-d8	52.2		"	50.0		104	74-118			
Surrogate: 4-Bromofluorobenzene	41.4		"	50.0		82.8	65-140			

Calibration Check (EC62305-CCV1)

Prepared & Analyzed: 03/22/06

Toluene	54.2		ug/l	50.0		108	70-130			
Ethylbenzene	43.3		"	50.0		86.6	70-130			
Surrogate: Dibromofluoromethane	53.4		"	50.0		107	68-129			
Surrogate: 1,2-Dichloroethane-d4	46.9		"	50.0		93.8	72-132			
Surrogate: Toluene-d8	52.7		"	50.0		105	74-118			
Surrogate: 4-Bromofluorobenzene	46.4		"	50.0		92.8	65-140			

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
 03/23/06 20:45

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EC62305 - EPA 5030C (GCMS)

Matrix Spike (EC62305-MS1)		Source: 6C16022-29			Prepared & Analyzed: 03/23/06					
Benzene	43.2	1.00	ug/l	50.0	ND	86.4	70-130			
Toluene	52.2	1.00	"	50.0	ND	104	70-130			
Ethylbenzene	39.2	1.00	"	50.0	ND	78.4	70-130			
Xylene (p/m)	75.7	1.00	"	100	ND	75.7	70-130			
Xylene (o)	39.2	1.00	"	50.0	ND	78.4	70-130			
<i>Surrogate: Dibromofluoromethane</i>	<i>50.2</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>68-129</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>49.1</i>		<i>"</i>	<i>50.0</i>		<i>98.2</i>	<i>72-132</i>			
<i>Surrogate: Toluene-d8</i>	<i>52.8</i>		<i>"</i>	<i>50.0</i>		<i>106</i>	<i>74-118</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>42.2</i>		<i>"</i>	<i>50.0</i>		<i>84.4</i>	<i>65-140</i>			

Matrix Spike Dup (EC62305-MSD1)		Source: 6C16022-29			Prepared & Analyzed: 03/23/06					
Benzene	45.9	1.00	ug/l	50.0	ND	91.8	70-130	6.06	20	
Toluene	55.9	1.00	"	50.0	ND	112	70-130	6.85	20	
Ethylbenzene	45.7	1.00	"	50.0	ND	91.4	70-130	15.3	20	
Xylene (p/m)	89.2	1.00	"	100	ND	89.2	70-130	16.4	20	
Xylene (o)	45.1	1.00	"	50.0	ND	90.2	70-130	14.0	20	
<i>Surrogate: Dibromofluoromethane</i>	<i>48.9</i>		<i>"</i>	<i>50.0</i>		<i>97.8</i>	<i>68-129</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>47.3</i>		<i>"</i>	<i>50.0</i>		<i>94.6</i>	<i>72-132</i>			
<i>Surrogate: Toluene-d8</i>	<i>50.1</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>74-118</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>42.0</i>		<i>"</i>	<i>50.0</i>		<i>84.0</i>	<i>65-140</i>			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: North Hobbs 8"
Project Number: SRS: 2006-059
Project Manager: Camille Reynolds

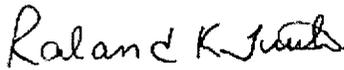
Fax: (432) 687-4914

Reported:
03/23/06 20:45

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date: 3/23/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Plains

Date/Time: 3/20/06 11:00

Order #: 6020005

Initials: UK

Sample Receipt Checklist

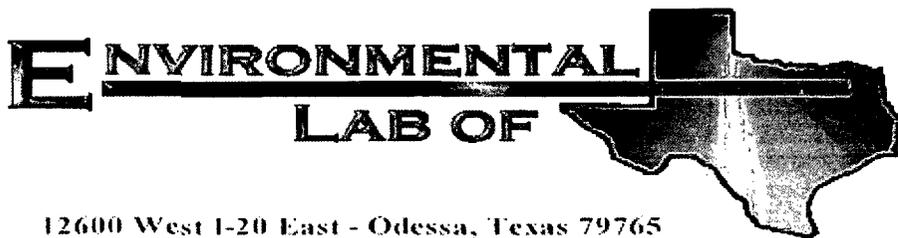
Temperature of container/cooler?	Yes	No	<u>1.0</u> C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No	
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/>	No	Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/>	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/>	No	
Container labels legible and intact?	<input checked="" type="checkbox"/>	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No	
Samples properly preserved?	<input checked="" type="checkbox"/>	No	
Sample bottles intact?	<input checked="" type="checkbox"/>	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No	
LOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____
 Regarding: _____

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea County, NM

Lab Order Number: 6C20006

Report Date: 03/23/06

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: North Hobbs 8"
Project Number: SRS: 2006-059
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
03/23/06 15:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6C20006-01	Water	03/17/06 13:40	03/20/06 11:00
MW-2	6C20006-02	Water	03/17/06 12:06	03/20/06 11:00
MW-3	6C20006-03	Water	03/17/06 10:35	03/20/06 11:00

Plains All American EH & S 1301 S. County Road 1150 Midland TX, 79706-4476	Project: North Hobbs 8" Project Number: SRS: 2006-059 Project Manager: Camille Reynolds	Fax: (432) 687-4914 Reported: 03/23/06 15:16
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General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6C20006-01) Water									
Chloride	45.7	5.00	mg/L	10	EC62112	03/20/06	03/21/06	EPA 300.0	
MW-2 (6C20006-02) Water									
Chloride	64.0	5.00	mg/L	10	EC62112	03/20/06	03/21/06	EPA 300.0	
MW-3 (6C20006-03) Water									
Chloride	69.0	5.00	mg/L	10	EC62112	03/20/06	03/21/06	EPA 300.0	

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
 03/23/06 15:16

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC62112 - General Preparation (WetChem)										
Blank (EC62112-BLK1) Prepared: 03/20/06 Analyzed: 03/21/06										
Chloride	ND	0.500	mg/L							
LCS (EC62112-BS1) Prepared: 03/20/06 Analyzed: 03/21/06										
Chloride	9.09		mg/L	10.0		90.9	80-120			
Calibration Check (EC62112-CCV1) Prepared: 03/20/06 Analyzed: 03/21/06										
Chloride	9.30		mg/L	10.0		93.0	80-120			
Duplicate (EC62112-DUP1) Source: 6C20006-01 Prepared: 03/20/06 Analyzed: 03/21/06										
Chloride	46.9	5.00	mg/L		45.7			2.59	20	

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: North Hobbs 8"
Project Number: SRS: 2006-059
Project Manager: Camille Reynolds

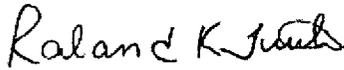
Fax: (432) 687-4914

Reported:
03/23/06 15:16

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date: 3/23/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas
 Variance / Corrective Action Report – Sample Log-In

Client: Plains
 Date/Time: 3/20/06 11:00
 Order #: 6220006
 Initials: UK

Sample Receipt Checklist

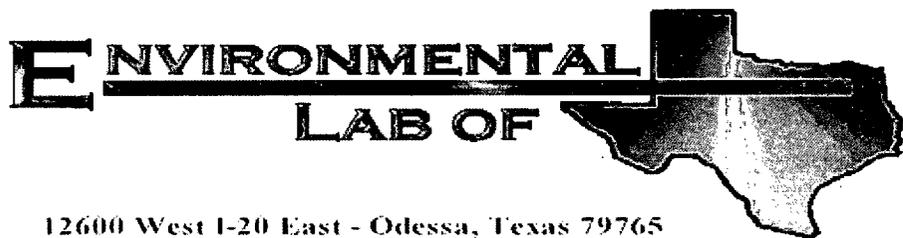
Temperature of container/cooler?	Yes	No	<u>1.0</u> C
Shipping container/cooler in good condition?	<u>YES</u>	No	
Custody Seals intact on shipping container/cooler?	<u>YES</u>	No	Not present
Custody Seals intact on sample bottles?	<u>YES</u>	No	Not present
Chain of custody present?	<u>YES</u>	No	
Sample Instructions complete on Chain of Custody?	<u>YES</u>	No	
Chain of Custody signed when relinquished and received?	<u>YES</u>	No	
Chain of custody agrees with sample label(s)	<u>YES</u>	No	
Container labels legible and intact?	<u>YES</u>	No	
Sample Matrix and properties same as on chain of custody?	<u>YES</u>	No	
Samples in proper container/bottle?	<u>YES</u>	No	
Samples properly preserved?	<u>YES</u>	No	
Sample bottles intact?	<u>YES</u>	No	
Preservations documented on Chain of Custody?	<u>YES</u>	No	
Containers documented on Chain of Custody?	<u>YES</u>	No	
Sufficient sample amount for indicated test?	<u>YES</u>	No	
All samples received within sufficient hold time?	<u>YES</u>	No	
VOC samples have zero headspace?	Yes	No	<u>Not Applicable</u>

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
 Regarding: _____

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea County, NM

Lab Order Number: 6C20007

Report Date: 03/23/06

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: North Hobbs 8"
Project Number: SRS: 2006-059
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
03/23/06 20:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TFH W/W	6C20007-01	Water	03/17/06 14:40	03/20/06 11:00

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: North Hobbs 8"
Project Number: SRS: 2006-059
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
03/23/06 20:49

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TFH W/W (6C20007-01) Water									
Chloride	86.0	5.00	mg/L	10	EC62112	03/20/06	03/21/06	EPA 300.0	

Plains All American EH & S 1301 S. County Road 1150 Midland TX, 79706-4476	Project: North Hobbs 8" Project Number: SRS: 2006-059 Project Manager: Camille Reynolds	Fax: (432) 687-4914 Reported: 03/23/06 20:49
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Volatile Organic Compounds by EPA Method 8260B
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TFH W/W (6C20007-01) Water									
Benzene	ND	1.00	ug/l	1	EC62305	03/23/06	03/23/06	EPA 8260B	
Toluene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Xylene (p/m)	ND	1.00	"	"	"	"	"	"	
Xylene (o)	ND	1.00	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		<i>117 %</i>		<i>68-129</i>	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>99.6 %</i>		<i>72-132</i>	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>109 %</i>		<i>74-118</i>	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>101 %</i>		<i>65-140</i>	"	"	"	"	

Plains All American EH & S 1301 S. County Road 1150 Midland TX, 79706-4476	Project: North Hobbs 8" Project Number: SRS: 2006-059 Project Manager: Camille Reynolds	Fax: (432) 687-4914 Reported: 03/23/06 20:49
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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC62112 - General Preparation (WetChem)										
Blank (EC62112-BLK1)										
					Prepared: 03/20/06 Analyzed: 03/21/06					
Chloride	ND	0.500	mg/L							
LCS (EC62112-BS1)										
					Prepared: 03/20/06 Analyzed: 03/21/06					
Chloride	9.09		mg/L	10.0		90.9	80-120			
Calibration Check (EC62112-CCV1)										
					Prepared: 03/20/06 Analyzed: 03/21/06					
Chloride	9.30		mg/L	10.0		93.0	80-120			
Duplicate (EC62112-DUP1)										
					Source: 6C20006-01 Prepared: 03/20/06 Analyzed: 03/21/06					
Chloride	46.9	5.00	mg/L		45.7			2.59	20	

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914
 Reported:
 03/23/06 20:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EC62305 - EPA 5030C (GCMS)

Blank (EC62305-BLK1)

Prepared & Analyzed: 03/23/06

Benzene	ND	1.00	ug/l							
Toluene	ND	1.00	"							
Ethylbenzene	ND	1.00	"							
Xylene (p/m)	ND	1.00	"							
Xylene (o)	ND	1.00	"							
<i>Surrogate: Dibromofluoromethane</i>	<i>44.1</i>		"	<i>50.0</i>		<i>88.2</i>	<i>68-129</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>40.8</i>		"	<i>50.0</i>		<i>81.6</i>	<i>72-132</i>			
<i>Surrogate: Toluene-d8</i>	<i>51.6</i>		"	<i>50.0</i>		<i>103</i>	<i>74-118</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.9</i>		"	<i>50.0</i>		<i>93.8</i>	<i>65-140</i>			

LCS (EC62305-BS1)

Prepared & Analyzed: 03/22/06

Benzene	47.3	1.00	ug/l	50.0		94.6	70-130			
Toluene	57.6	1.00	"	50.0		115	70-130			
Ethylbenzene	46.7	1.00	"	50.0		93.4	70-130			
Xylene (p/m)	92.6	1.00	"	100		92.6	70-130			
Xylene (o)	47.0	1.00	"	50.0		94.0	70-130			
<i>Surrogate: Dibromofluoromethane</i>	<i>50.4</i>		"	<i>50.0</i>		<i>101</i>	<i>68-129</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>50.4</i>		"	<i>50.0</i>		<i>101</i>	<i>72-132</i>			
<i>Surrogate: Toluene-d8</i>	<i>52.2</i>		"	<i>50.0</i>		<i>104</i>	<i>74-118</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>41.4</i>		"	<i>50.0</i>		<i>82.8</i>	<i>65-140</i>			

Calibration Check (EC62305-CCV1)

Prepared & Analyzed: 03/22/06

Toluene	54.2		ug/l	50.0		108	70-130			
Ethylbenzene	43.3		"	50.0		86.6	70-130			
<i>Surrogate: Dibromofluoromethane</i>	<i>53.4</i>		"	<i>50.0</i>		<i>107</i>	<i>68-129</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>46.9</i>		"	<i>50.0</i>		<i>93.8</i>	<i>72-132</i>			
<i>Surrogate: Toluene-d8</i>	<i>52.7</i>		"	<i>50.0</i>		<i>105</i>	<i>74-118</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.4</i>		"	<i>50.0</i>		<i>92.8</i>	<i>65-140</i>			

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: North Hobbs 8"
 Project Number: SRS: 2006-059
 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
 03/23/06 20:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EC62305 - EPA 5030C (GCMS)

Matrix Spike (EC62305-MS1)		Source: 6C16022-29			Prepared & Analyzed: 03/23/06					
Benzene	43.2	1.00	ug/l	50.0	ND	86.4	70-130			
Toluene	52.2	1.00	"	50.0	ND	104	70-130			
Ethylbenzene	39.2	1.00	"	50.0	ND	78.4	70-130			
Xylene (p/m)	75.7	1.00	"	100	ND	75.7	70-130			
Xylene (o)	39.2	1.00	"	50.0	ND	78.4	70-130			
Surrogate: Dibromofluoromethane	50.2		"	50.0		100	68-129			
Surrogate: 1,2-Dichloroethane-d4	49.1		"	50.0		98.2	72-132			
Surrogate: Toluene-d8	52.8		"	50.0		106	74-118			
Surrogate: 4-Bromofluorobenzene	42.2		"	50.0		84.4	65-140			

Matrix Spike Dup (EC62305-MSD1)		Source: 6C16022-29			Prepared & Analyzed: 03/23/06					
Benzene	45.9	1.00	ug/l	50.0	ND	91.8	70-130	6.06	20	
Toluene	55.9	1.00	"	50.0	ND	112	70-130	6.85	20	
Ethylbenzene	45.7	1.00	"	50.0	ND	91.4	70-130	15.3	20	
Xylene (p/m)	89.2	1.00	"	100	ND	89.2	70-130	16.4	20	
Xylene (o)	45.1	1.00	"	50.0	ND	90.2	70-130	14.0	20	
Surrogate: Dibromofluoromethane	48.9		"	50.0		97.8	68-129			
Surrogate: 1,2-Dichloroethane-d4	47.3		"	50.0		94.6	72-132			
Surrogate: Toluene-d8	50.1		"	50.0		100	74-118			
Surrogate: 4-Bromofluorobenzene	42.0		"	50.0		84.0	65-140			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: North Hobbs 8"
Project Number: SRS: 2006-059
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
03/23/06 20:49

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K Tuttle

Date: 3/23/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Plains
 Date/Time: 3/20/06 11:00
 Order #: 6620007
 Initials: CK

Sample Receipt Checklist

	Yes	No	
Temperature of container/cooler?			-1.0 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No	
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/>	No	Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/>	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/>	No	
Container labels legible and intact?	<input checked="" type="checkbox"/>	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No	
Samples properly preserved?	<input checked="" type="checkbox"/>	No	
Sample bottles intact?	<input checked="" type="checkbox"/>	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No	
DOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
 Regarding: _____

Corrective Action Taken:

APPENDIX B

**RELEASE NOTIFICATION AND
CORRECTIVE ACTION
(INITIAL C-141)**

District I
25 N. French Dr., Hobbs, NM 88240
District II
01 W. Grand Avenue, Artesia, NM 88210
District III
00 Rio Brazos Road, Aztec, NM 87410
District IV
20 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	Contact Camille Reynolds	
Address 3112 W. US Hwy 82, Lovington, NM 88260	Telephone No. 505-441-0965	
Facility Name North Hobbs 8 Inch	Facility Type 8" Steel Pipeline	
Surface Owner R,M and S Enterprises	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	29	18S	38E					Lea

Latitude 32° 42' 40.2" Longitude 103° 10' 41.7"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 10 barrels	Volume Recovered 3 barrels
Source of Release 8" Steel Pipeline	Date and Hour of Occurrence 2-09-06 @ 9:00	Date and Hour of Discovery 2-09-06 @ 10:00
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Pat Caperton	
By Whom? Camille Reynolds	Date and Hour 2-09-06 @ 11:00	
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 a 8 inch steel pipeline resulted in release of sour crude oil. A clamp was installed on the line to mitigate the release. The line is a 8 inch steel gathering pipeline that produces approximately 280 barrels of crude oil per day. The pressure on the line is approximately 20 psi and the gravity of the sour crude oil is 37. The sour crude has an H₂S content of 270 ppm. The line was approximately 1.5 feet bgs at the release point.

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was approximately 400 ft².

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

APPENDIX C

**RELEASE NOTIFICATION AND
CORRECTIVE ACTION
(FINAL C-141)**

District I
25 N. French Dr., Hobbs, NM 88240
District II
01 W. Grand Avenue, Artesia, NM 88210
District III
00 Rio Brazos Road, Aztec, NM 87410
District IV
20 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, L. P.	Contact	Camille Reynolds
Address	3112 W. US Hwy 82, Lovington, NM 88260	Telephone No.	(505) 441-0965
Facility Name	North Hobbs 8-Inch	Facility Type	8" Steel Pipeline
Surface Owner	R, M & S Enterprises	Mineral Owner	
		Lease No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	29	18S	38E					Lea

Latitude 32° 42' 40.2" North Longitude 103° 10' 41.7" West.

NATURE OF RELEASE

Type of Release	Crude Oil	Volume of Release	10 barrels	Volume Recovered	3 barrels
Source of Release	8-inch Steel Pipeline	Date and Hour of Occurrence	09 February 2006 @ 0900	Date and Hour of Discovery	09 February 2006 @ 1000
Was Immediate Notice Given?	XX Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Pat Caperton		
By Whom?	Daniel Bryant	Date and Hour	09 February 2006 @ 1100		
Was a Watercourse Reached?	<input type="checkbox"/> Yes XX <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

RECEIVED
OCT 10 2006

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Internal corrosion of a 8 inch steel pipeline resulted in a release of sour crude oil. A clamp was installed on the line to mitigate the release. The line is an 8-inch steel gathering line that produces approximately 200 barrels of crude per day. The pressure on the line is approximately 20 psi and the gravity of the sour crude oil is 37. The sour crude has an H2S content of <10 ppm. The line was approximately 1.5 feet bgs at the release point.

Describe Area Affected and Cleanup Action Taken.* Per the approved NMOCD Plains Marketing, L. P., Remediation /Closure Plan, dated 25 April 2006, the crude oil release site was excavated; the impacted soil placed on a poly-liner adjacent to the excavation, confirmation soil samples were collected from the floor & walls of the excavation. Once the excavation confirmation soil samples were below NMOCD regulatory standards; the stockpiled soils were blended, confirmation soil samples collected, and the site was backfilled with the blended material and contoured to the original rangeland topography.

SEE ATTACHED BASIN ENVIRONMENTAL SERVICE TECHNOLOGIES LETTER DATED 25 OCTOBER 2006, CLOSURE REQUEST, WITH ATTACHMENTS FOR DETAILS OF REMEDIAL ACTIVITIES CONDUCTED.

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	<i>Camille Reynolds</i>		
Printed Name: Camille Reynolds	OIL CONSERVATION DIVISION Approved by District Supervisor: <i>[Signature]</i>		
Title: Remediation Coordinator	Approval Date: 10.31.06	Expiration Date:	
E-mail Address: cjreynolds@paalp.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 25 October 2006	Phone: (505) 441-0965		

Attach Additional Sheets If Necessary