

**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:

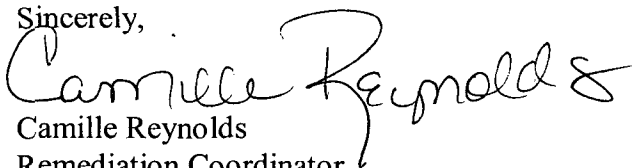
North Hobbs 8-Inch Section 29, Township 18 South, Range 38 East, Lea County

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 10

1R 713  
Report  
2006

# ***Basin Environmental Service Technologies, LLC***

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



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## **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**

  
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Ken Dutton  
Project Manager

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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-mil 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 (1<sup>st</sup> 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 (1<sup>st</sup> 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 (4<sup>th</sup>) 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

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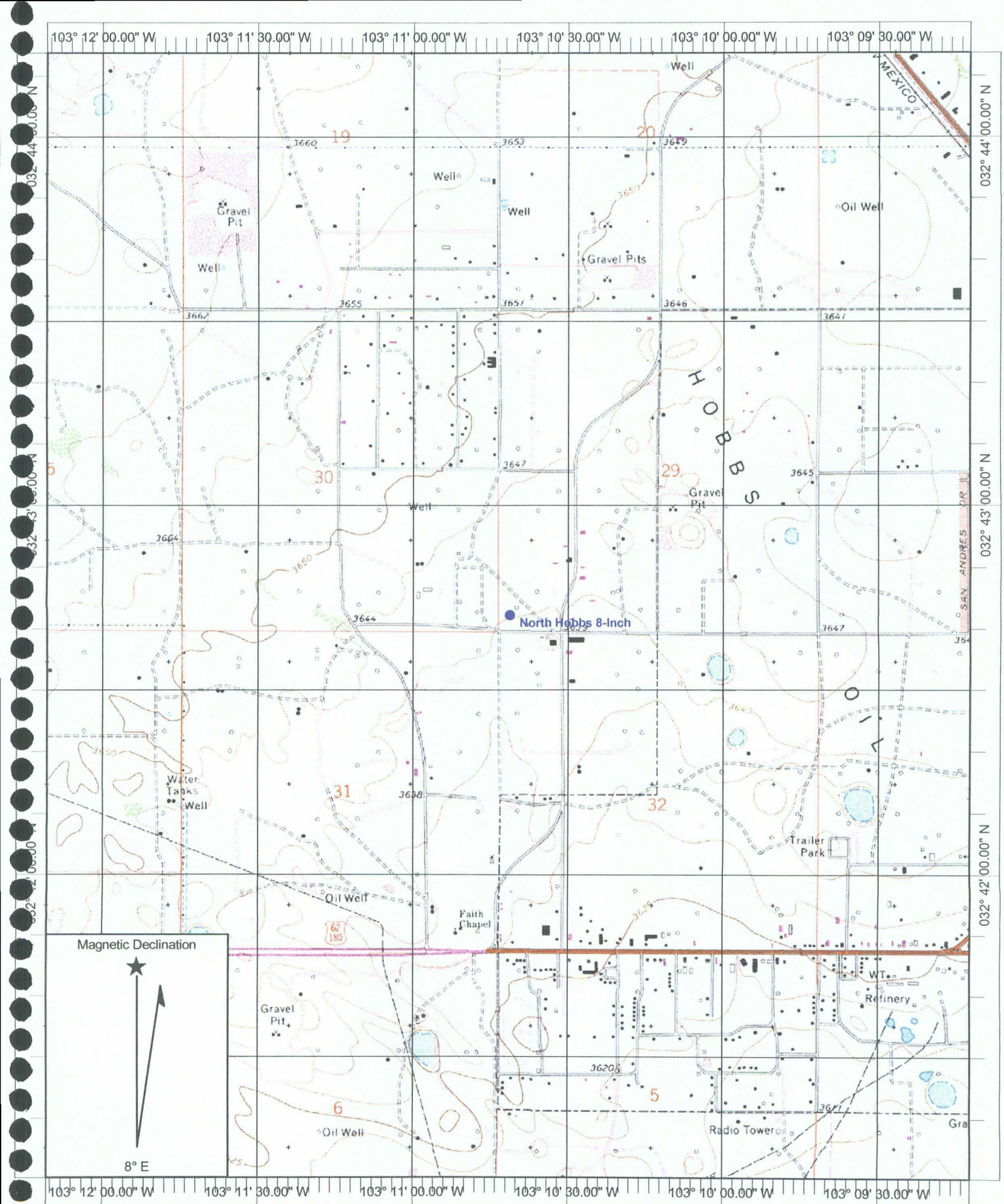
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[kdutton@basinenv.com](mailto:kdutton@basinenv.com)

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

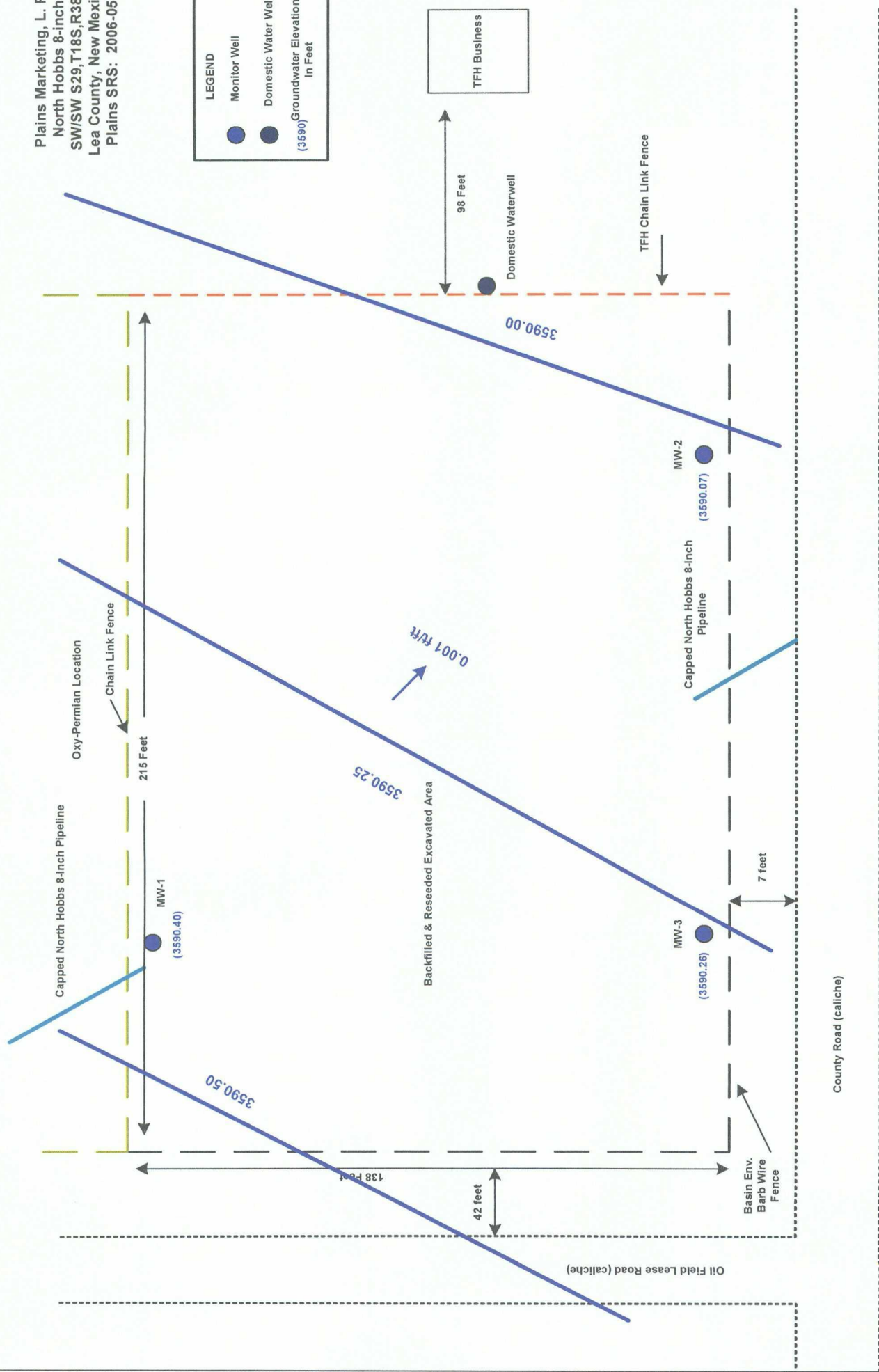
**FIGURE 2A**

**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
- Groundwater Elevation (3590) In Feet



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 (blue dot)
- Domestic Water Well (black dot)
- Groundwater Elevation (3590) In Feet

TFH Business

98 Feet

Domestic Waterwell

TFH Chain Link Fence

Capped North Hobbs 8-inch Pipeline

Oxy-Permian Location

Chain Link Fence

215 Feet

MW-1

(3590.03)

3590.00

3590.25

138 Feet

42 feet

Oil Field Lease Road (caliche)

Basin Env.  
Barb Wire  
Fence

County Road (caliche)

0.001 ft/ft

Backfilled & Reseeded Excavated Area

3589.75

3589.50

Capped North Hobbs 8-inch  
Pipeline

MW-2

(3589.69)

MW-3

(3589.90)

7 feet

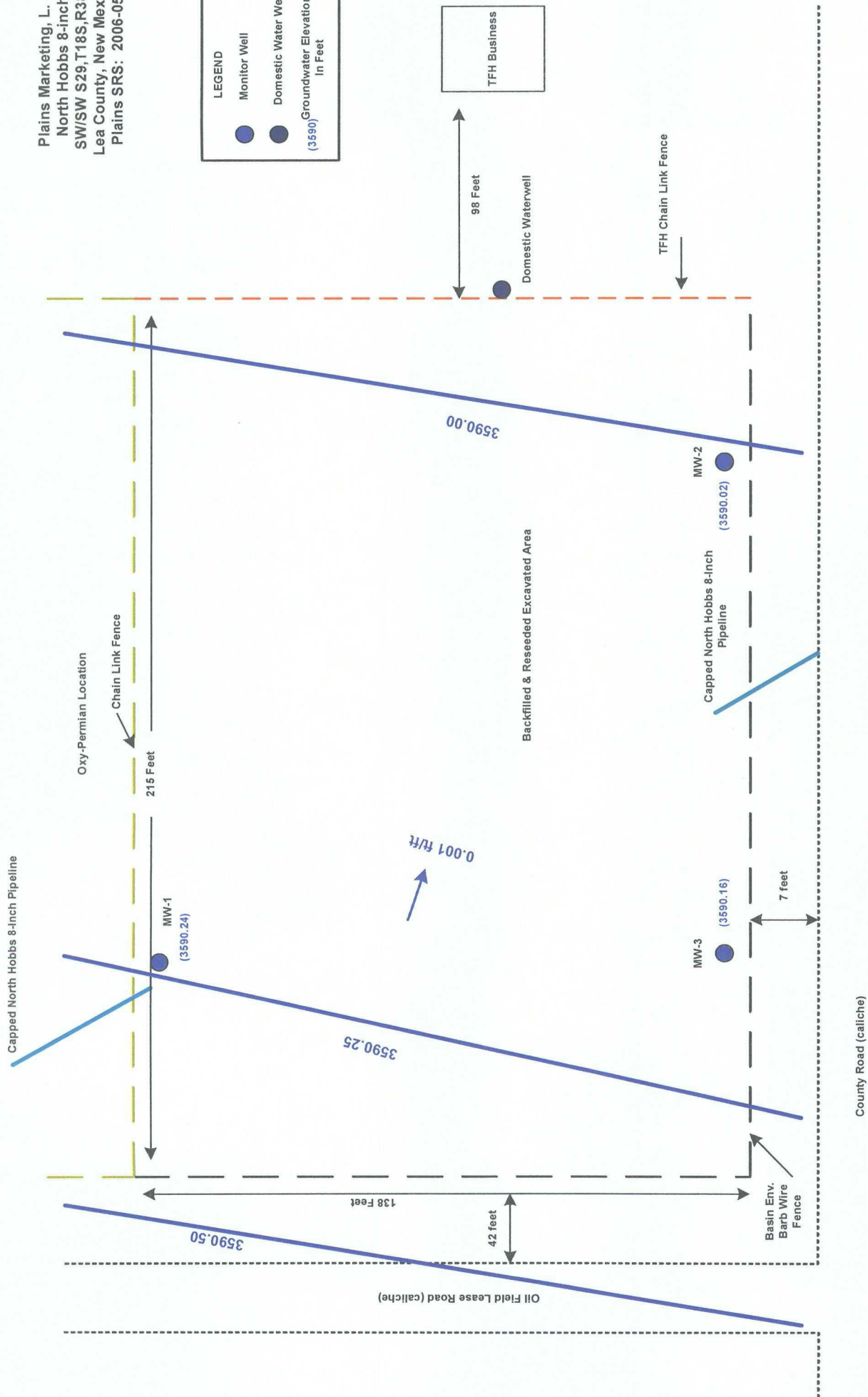
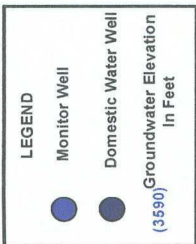
**DESCRIPTION**  
Figure 2B  
Inferred Groundwater Gradient  
Map  
13 June 2006



**FIGURE 2C**

**INFERRED GROUNDWATER  
GRADIENT 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



DESCRIPTION Figure 2C  
 Inferred Groundwater Gradient  
 Map  
 09 September 2006

**FIGURE 2D**

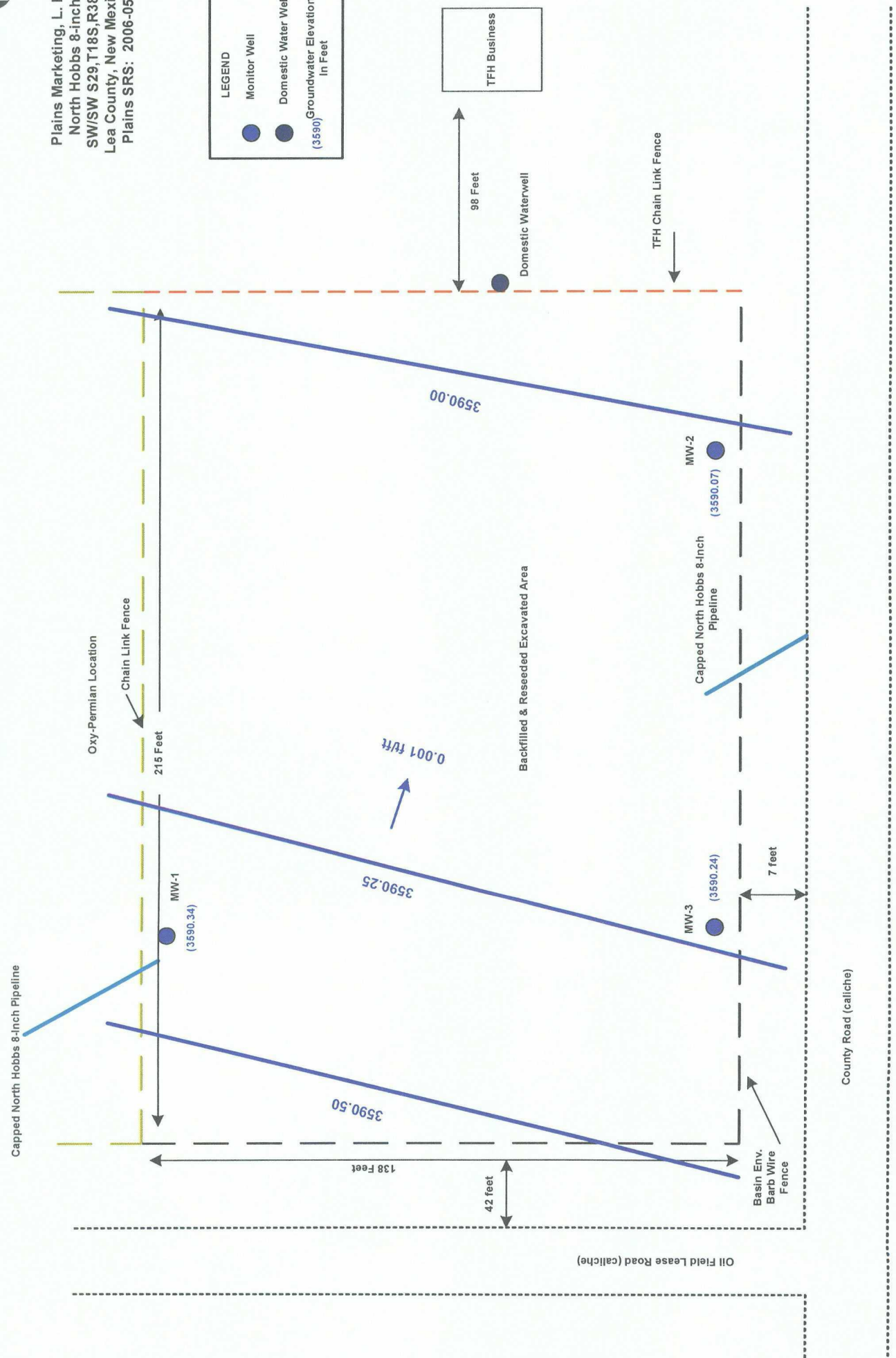
**INFERRED GROUNDWATER  
GRADIENT MAP –  
26 DECEMBER 2006**

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
- Groundwater Elevation (3590) In Feet

TFH Business

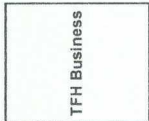


DESCRIPTION Figure 2D  
 Inferred Groundwater Gradient Map  
 26 December 2006

**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



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

98 Feet

TFH Chain Link Fence

MW-2 Benzene: <0.001 mg/L  
 BTEX: <0.001 mg/L  
 Chlorides: 64.0 mg/L



Capped North Hobbs 8-Inch Pipeline

MW-3 Benzene: <0.001 mg/L  
 BTEX: <0.001 mg/L  
 Chlorides: 69.0 mg/L



7 feet

Basin Env.  
 Barb Wire  
 Fence

County Road (caliche)

Oil Field Lease Road (caliche)

Backfilled & Reseeded Excavated Area

Oxy-Permian Location

Chain Link Fence

215 Feet

MW-1 Benzene: <0.001 mg/L  
 BTEX: <0.001 mg/L  
 Chlorides: 45.7 mg/L



138 Feet

42 feet

Capped North Hobbs 8-Inch Pipeline

**FIGURE 3B**

**GROUNDWATER CONCENTRATION  
MAP – 13 JUNE 2006**

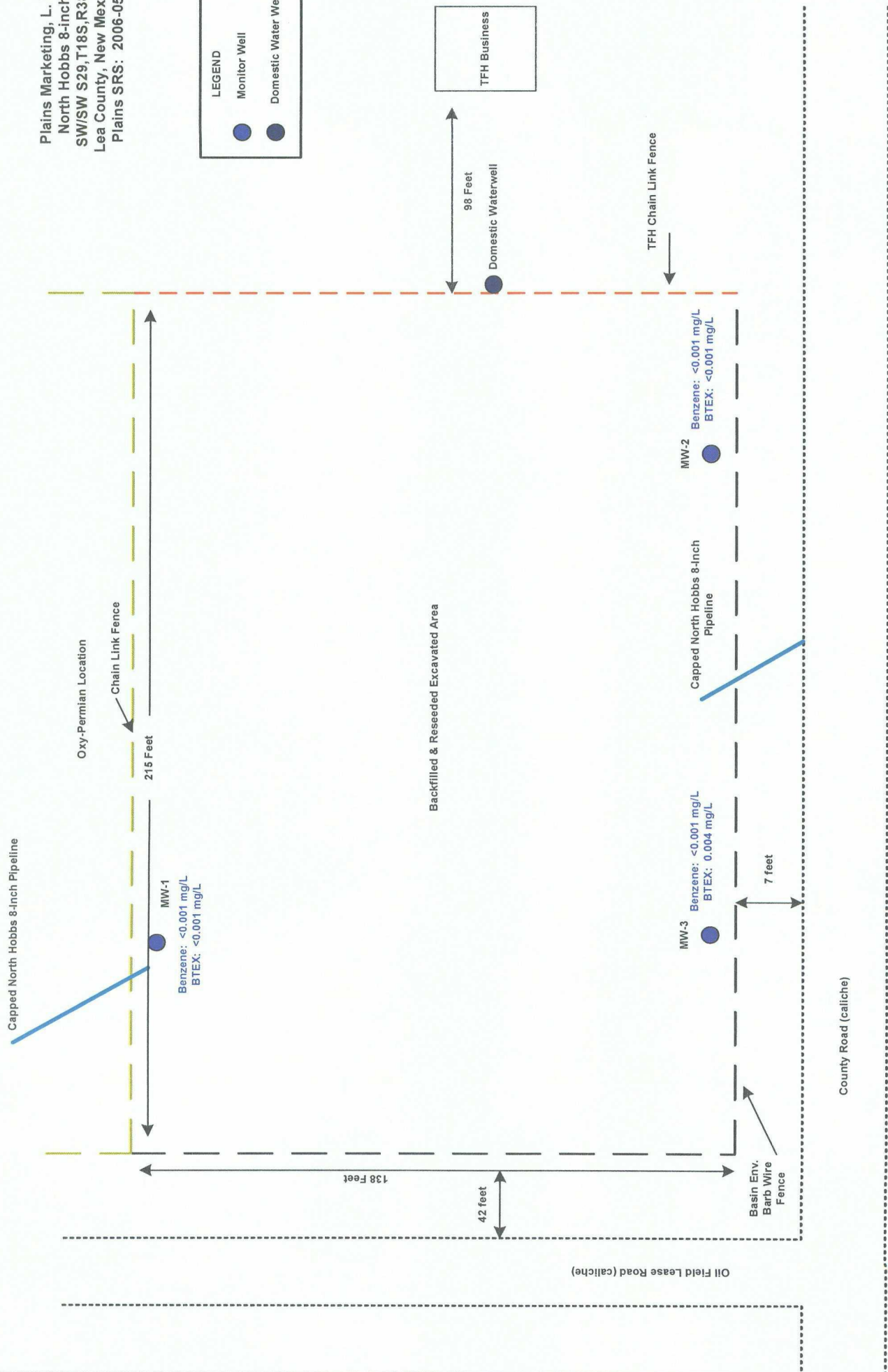


**LEGEND**

● Monitor Well

● Domestic Water Well

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

**LEGEND**

- Monitor Well
- Domestic Water Well

TFH Business

98 Feet

Domestic Waterwell

TFH Chain Link Fence

Oxy-Permian Location

Chain Link Fence

215 Feet

MW-1

Benzene: <0.001 mg/L  
 BTEX: <0.001 mg/L

Backfilled & Reseeded Excavated Area

138 Feet

42 feet

Oil Field Lease Road (caliche)

MW-3

Benzene: <0.001 mg/L  
 BTEX: <0.001 mg/L

MW-2

Benzene: <0.001 mg/L  
 BTEX: <0.001 mg/L

Capped North Hobbs 8-inch Pipeline

Basin Env. Barb Wire Fence

7 feet

County Road (caliche)

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

**FIGURE 3D**

**GROUNDWATER CONCENTRATION  
MAP – 26 DECEMBER 2006**

## Capped North Hobbs 8-Inch Pipeline

### Oxy-Permian Location

### Chain Link Fence

215 Feet

MW-1

Benzene: <0.001 mg/L  
BTEX: <0.001 mg/L

138 Feet

42 feet

### Backfilled & Reseeded Excavated Area

98 Feet

TFH Business

TFH Chain Link Fence

MW-2

Benzene: <0.001 mg/L  
RTEX: <0.001 mg/l

Capped North Hobbs 8-Inch  
Pipeline

MW-3

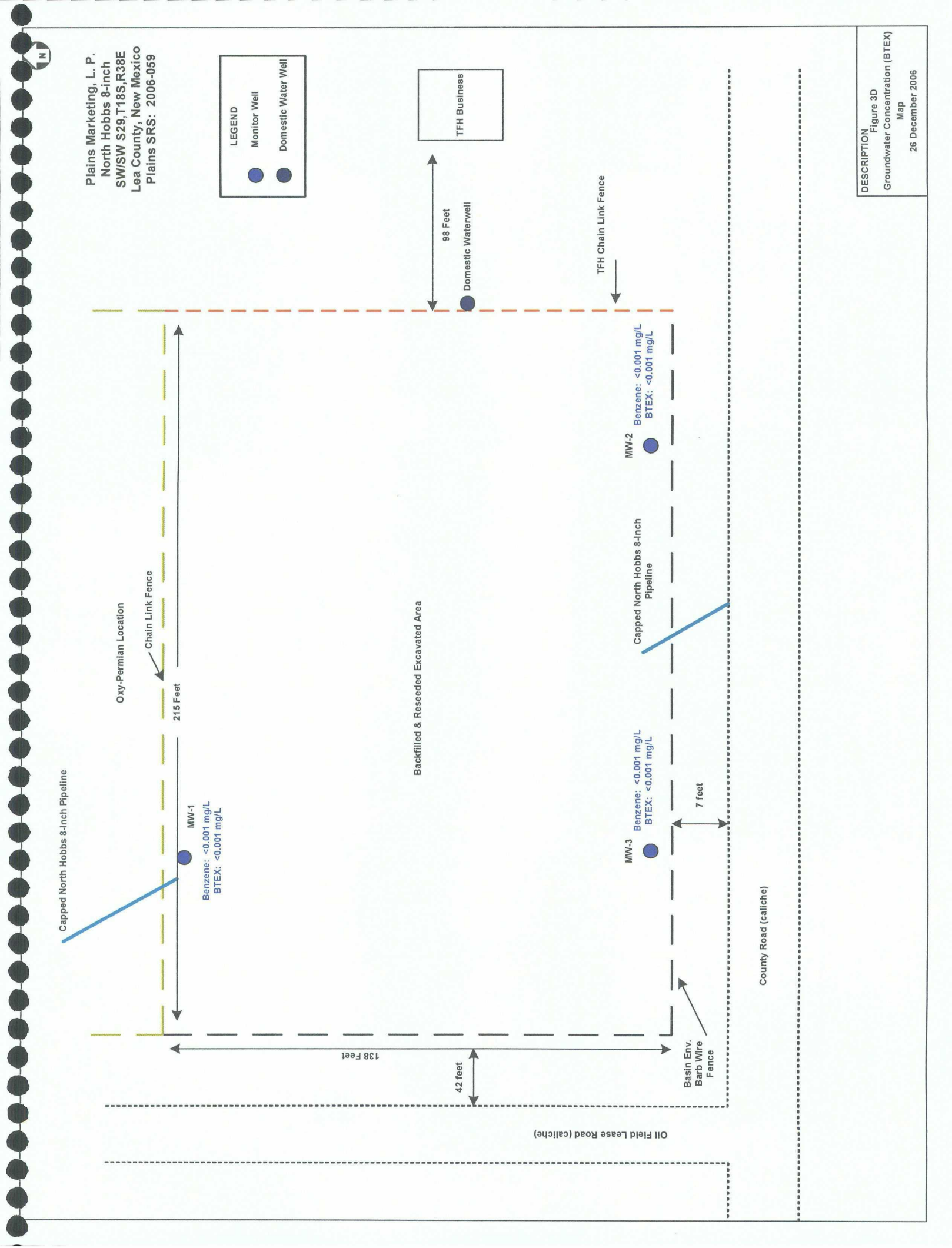
benzene: <0.001 mg/L  
BTEX: <0.001 mg/l

7 feet

Basin Env  
Barb Wire  
Fence

County Road (caliche)

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 &amp; BTEX

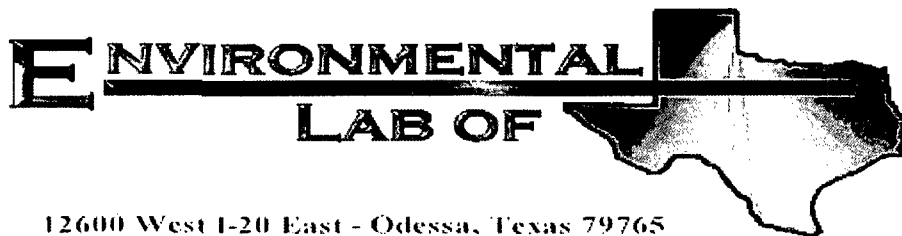
PLAINS MARKETING, L.P.  
NORTH HOBBS 8-INCH  
LEA COUNTY, NEW MEXICO  
PLAINS SRS: 2006-059

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8021B, 5030					Method: 300.0	
		BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL- BENZENE (mg/L)	M,P- XYLENES (mg/L)	O-XYLENES (mg/L)	CHLORIDES (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
<b>MW-1 (6L29006-01) Water</b>									
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	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		103 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		"	"	"	"	
<b>MW-2 (6L29006-02) Water</b>									
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	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		91.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.8 %	80-120		"	"	"	"	
<b>MW-3 (6L29006-03) Water</b>									
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	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		97.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		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			

Environmental Lab of Texas

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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	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	37.3		ug/l	40.0		93.2	80-120			
Surrogate: 4-Bromofluorobenzene	42.6		"	40.0		106	80-120			



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

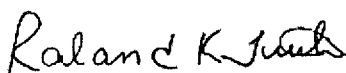
Project: North Hobbs 8"  
Project Number: SRS: 2006-059  
Project Manager: Camille Reynolds

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:

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.

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**12600 West I-20 East  
Odessa, Texas 79765**

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

**Project Manager:** Ken Dutton

PAGE 01 OF 01

**Project Name: NORTH HOBBS 8-INCH**

**Company Name** Basin Environmental Service Technologies, LLC

Project #: 2006-059

Company Address: P. O. Box 301

Project Loc: Lea County, NM

City/State/Zip: Lovington, NM 88260

PO #: PAA - C. J. Reynolds

Telephone No: (505) 441-2124

**Fax No: (505) 396-1429**

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

**Sampler Signature:**

kad@basinenv.com

(lab use only)

ORDER #: 629006

[illegible]

### Special Instructions:

Relinquished by:

Relinquished by: \_\_\_\_\_

Relinquished by:	Date	Time
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Relinquished by:	Date	Time	Received by:

Relinquished by:	Date	Time	Received by:
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Relinquished by:	Date	Time	Received by:

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Relinquished by:	Date	Time	Received by:	Date	Time

Relinquished by:	Date	Time	Received by:	Date	Time

Relinquished by:

Retiniquished by: [Signature]

Relinquished by:	Date	Time
<i>[Signature]</i>	12-1-86	1:00

Retinquired by:	Date	Time	Received by:
<i>[Signature]</i>	12-1-96	4:10 PM	<i>[Signature]</i>

Retracted by:	Date	Time	Received by:
John A. Brown	8-22-96	8:10 p	Mike Runkel

Relinquished by:	Date	Time	Received by:
<i>John A. Brown</i>	<i>12-1-96</i>	<i>8:10 p</i>	<i>John A. Brown</i>

Relinquished by:		Received by:		Date	Time
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Date]</i>	<i>[Time]</i>

Retriggered by:	Date	Time	Serialized by	Date	Time
John A. Brown	12-1-96	8:10	John A. Brown	12-1-96	8:10

[illegible]

Reinquished by:

Refinanced by: \_\_\_\_\_

Reinquished by:	.	.	.	(Date)	Time
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Refringished by:	Date	Time	Received by

Relinquished by:	Date	Time	Received by ELO:

Relinquished by:	Date	Time	Received by ELOTT:
	7		

Reinquished by:	Date	Time	Received by ELDT	Date	Time
	8 . . .	7			

Requisitioned by:	Date	Time	Received by ELO:	Date	Time
	8 . . .				

[illegible]

**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
1 Temperature of container/ cooler?	<u>Yes</u>	No	0.0 °C	
2 Shipping container in good condition?	<u>Yes</u>	No		
3 Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	Not Present	
4 Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	Not Present	
5 Chain of Custody present?	<u>Yes</u>	No		
6 Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
7 Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No		
8 Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No	ID written on Cont./ Lid	
9 Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable	
10 Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
11 Containers supplied by ELOT?	<u>Yes</u>	No		
12 Samples in proper container/ bottle?	<u>Yes</u>	No	See Below	
13 Samples properly preserved?	<u>Yes</u>	No	See Below	
14 Sample bottles intact?	<u>Yes</u>	No		
15 Preservations documented on Chain of Custody?	<u>Yes</u>	No		
16 Containers documented on Chain of Custody?	<u>Yes</u>	No		
17 Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below	
18 All samples received within sufficient hold time?	<u>Yes</u>	No	See Below	
19 Subcontract of sample(s)?	<u>Yes</u>	No	Not Applicable	
20 VOC samples have zero headspace?	<u>Yes</u>	No	Not Applicable	

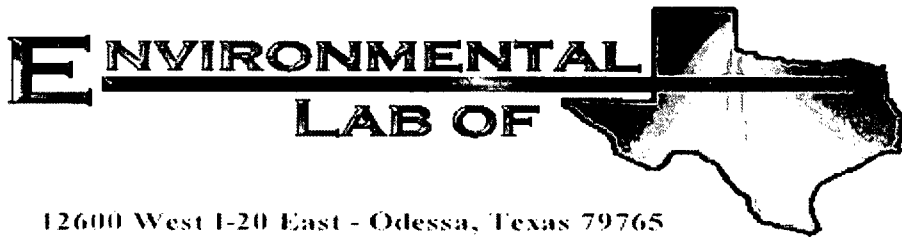
**Variance Documentation**

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 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

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1301 S. County Road 1150  
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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
<b>MW-1 (6115013-01) Water</b>									
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	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %	80-120		"	"	"	"	
<b>MW-2 (6115013-02) Water</b>									
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	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.8 %	80-120		"	"	"	"	
<b>MW-3 (6115013-03) Water</b>									
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	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.8 %	80-120		"	"	"	"	

Environmental Lab of Texas

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Plains All American EH & S  
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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 Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

**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	

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Midland TX, 79706-4476

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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			

Environmental Lab of Texas

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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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12600 West I-20 East  
Odessa, Texas 79765

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

Project Manager: Ken Dutton

Project Name: North Hobbs 8-Inch

Company Name: Basin Environmental Service Technologies, LLC

Project #: 2006-059

Company Address: P. O. Box 301

Project Loc: Lea County, NM

City/State/Zip: Lovington, NM 88260

PO #: PAA/C. Reynolds

Telephone No: (505) 441-2124

Fax No: (505) 396-1429

Sampler Signature: [Signature]

e-mail: kdutton@basinenv.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #:

676016

(lab use only)

FIELD CODE

MW-1

MW-2

MW-3

Beginning Depth

N/A

N/A

N/A

Ending Depth

N/A

N/A

N/A

Date Sampled

14-Sep-06

14-Sep-06

14-Sep-06

Time Sampled

1007

927

855

No. of Containers

2

2

2

Preservation & # of Containers

None

Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

NaOH

H<sub>2</sub>SO<sub>4</sub>

HCl

HNO<sub>3</sub>

Ice

Matrix

GW

GW

GW

Other (Specify)

None

None

None

Other (Specify)

None

None

None

Other (Specify)

None

None

None

Other (Specify)

None

None

None

Other (Specify)

None

None

None

Other (Specify)

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Other (Specify)

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Other (Specify)

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None

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Other (Specify)

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None

None

Other (Specify)

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None

None

Other (Specify)

None

None

None

Other (Specify)

None

None

None

Other (Specify)

None

None

None

Other (Specify)

None

None

None

Other (Specify)

None

None

None

Other (Specify)

None

None

None

Special Instructions:

Relinquished by:

[Signature]

Relinquished by:

[Signature]

Date

15-Sep-06

Date

15-Sep-06

Received by:

[Signature]

Received by:

[Signature]

Date

15-Sep-06

Date

15-Sep-06

Time

1:36

Time

1:36

Date

15-Sep-06

Date

15-Sep-06

Time

10:07

Time

10:07

Laboratory Comments:

Sample Containers Intact?

☒ Yes ☐ No

VOCs Free of Headspace?

☒ Yes ☐ No

Custody seals on container(s)

☒ Yes ☐ No

Custody seals on cooler(s)

☒ Yes ☐ No

Sample Hand Delivered

☒ Yes ☐ No

by Sampler/Client Rep.?

☒ Yes ☐ No

by Courier?

☐ Yes ☒ No

UPS

DHL

FedEx

Lone Star

Temperature Upon Receipt: 4.0 °C

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

Client: Plains  
 Date/ Time: 9/15/06 1:35  
 Lab ID #: 6T15013  
 Initials: OK

**Sample Receipt Checklist**

				Client Initials	
1	Temperature of container/ cooler?	Yes	No	4.0 °C	
2	Shipping container in good condition?	Yes	No		
3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
5	Chain of Custody present?	Yes	No		
6	Sample instructions complete of Chain of Custody?	Yes	No		
7	Chain of Custody signed when relinquished/ received?	Yes	No		
8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
9	Container label(s) legible and intact?	Yes	No	Not Applicable	
10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
11	Containers supplied by ELOT?	Yes	No		
12	Samples in proper container/ bottle?	Yes	No	See Below	
13	Samples properly preserved?	Yes	No	See Below	
14	Sample bottles intact?	Yes	No		
15	Preservations documented on Chain of Custody?	Yes	No		
16	Containers documented on Chain of Custody?	Yes	No		
17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
18	All samples received within sufficient hold time?	Yes	No	See Below	
19	VOC samples have zero headspace?	Yes	No	Not Applicable	

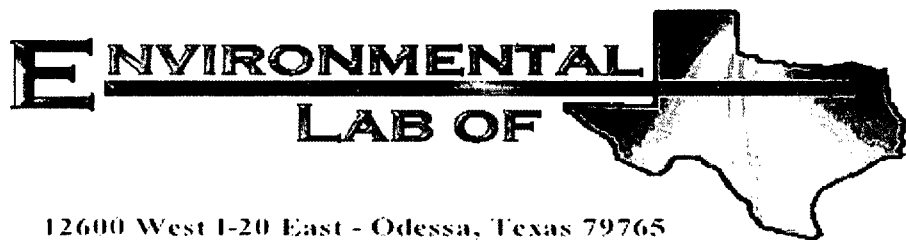
**Variance Documentation**

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



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
<b>MW-1 (6F15014-01) Water</b>									
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	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	80-120		"	"	"	"	
<b>MW-2 (6F15014-02) Water</b>									
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	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		116 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %	80-120		"	"	"	"	
<b>MW-3 (6F15014-03) Water</b>									
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	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		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 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

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Page 3 of 5

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)**

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			

Environmental Lab of Texas

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

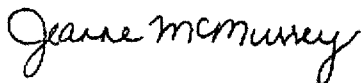
Project: North Hobbs 8"  
Project Number: SRS: 2006-059  
Project Manager: Camille Reynolds

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.

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Environmental Lab of Texas

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Page 5 of 5

**12600 West 1-20 East**  
**Odessa, Texas 79763**  
**Phone: 915-563-1800**  
**Fax: 915-563-1713**

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Project Manager:**

Company Name

**Company Address:**

City/State/Zip: Longton, Wm 88240

Telephone No:

**Sampler Signature:**

Keep On top

Basin Environmental

P.O. Box 301

City/State/Zip: Lovington, NM 88240

Telephone No: 505-444-2124

10

Project Name:

Project #

Project Loc:

PO#:

Fax No: 505-396-1429

Project Name: North Hobbs 8-inch

Project #: 5RS# 2006-059

Project Loc: Lea Co., NM

PO #: PAA/C.Reynolds

[illegible]

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

Plans

Time: 6/15/06 12:45

Lot #: 6F150

By: ck

## Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	<u>Q, S</u>	C
Is container/cooler in good condition?	<u>Yes</u>	No		
Body Seals intact on shipping container/cooler?	<u>Yes</u>	No	Not present	
Body Seals intact on sample bottles?	<u>Yes</u>	No	Not present	
Proof of custody present?	<u>Yes</u>	No		
Instructions complete on Chain of Custody?	<u>Yes</u>	No		
Proof of Custody signed when relinquished and received?	<u>Yes</u>	No		
Proof 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		
Observations 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		
Samples received within sufficient hold time?	<u>Yes</u>	No		
Samples have zero headspace?	<u>Yes</u>	No	Not Applicable	

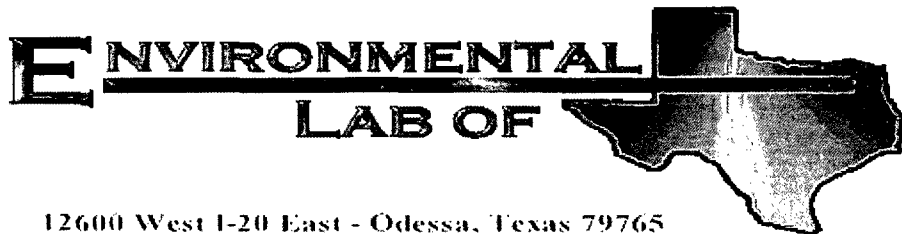
Other observations:

## 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

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**  
**Environmental Lab of Texas**

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

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.

Page 2 of 5

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			

Environmental Lab of Texas

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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
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**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			

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.

Page 4 of 5



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

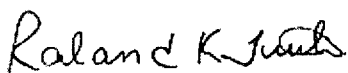
Fax: (432) 687-4914

**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.

**12600 West I-20 East  
Odessa, Texas 79763**

Project Manager: KEN BUTTON

Company Name BASIN ENV. SVCS.

Company Address: P. O. Box 341

City/State/Zip: LONGTON, TX 78260

Telephone No: (505) 441-2124

Fax No: (505) 396-1429

**Sampler Signature:**[illegible]

**Special instructions:**

Sample Containers Intact?	
Temperature Upon Receipt	
Laboratory Comments:	

Requisitioned by:

Received by:

Date \_\_\_\_\_

Relinquished by: *Sean Dutton*

Time 16:00

Date	9/8/06
------	--------

28th	
------	--

7

Quilts

Witnessed by: *[Signature]*

Reliance

○

1

by computer.

Camelion

Time 16:00

Date 1/7/6

3	

1

1

1

by:

Received:

Time 16:00

Date	11/18/06
------	----------

28/11	
-------	--

4

Quito

Witnessed by: *[Signature]*

Reliance

**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**

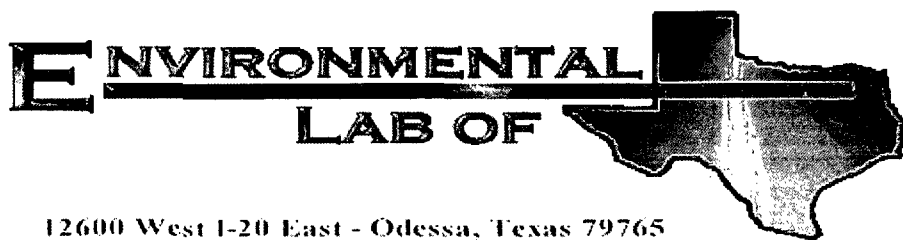
Temperature of container/cooler?	Yes	No	<u>-1.0</u> C
Shipping container/cooler in good condition?	<u>YES</u>	No	
Custody Seals intact on shipping container/cooler?	<u>YES</u>	No	Not present
Custody Seals intact on sample bottles?	<u>YES</u>	No	Not present
Chain of custody present?	<u>YES</u>	No	
Sample 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	
LOC samples have zero headspace?	<u>YES</u>	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

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (6C20006-01) Water</b>									
Chloride	45.7	5.00	mg/L	10	EC62112	03/20/06	03/21/06	EPA 300.0	
<b>MW-2 (6C20006-02) Water</b>									
Chloride	64.0	5.00	mg/L	10	EC62112	03/20/06	03/21/06	EPA 300.0	
<b>MW-3 (6C20006-03) Water</b>									
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
<b>Batch EC62112 - General Preparation (WetChem)</b>										
<b>Blank (EC62112-BLK1)</b>				Prepared: 03/20/06 Analyzed: 03/21/06						
Chloride	ND	0.500	mg/L							
<b>LCS (EC62112-BS1)</b>				Prepared: 03/20/06 Analyzed: 03/21/06						
Chloride	9.09		mg/L	10.0		90.9	80-120			
<b>Calibration Check (EC62112-CCV1)</b>				Prepared: 03/20/06 Analyzed: 03/21/06						
Chloride	9.30		mg/L	10.0		93.0	80-120			
<b>Duplicate (EC62112-DUP1)</b>				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

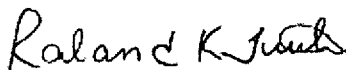
Fax: (432) 687-4914

**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.

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



**112800 West I-20 East  
Odessa, Texas 79763**

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON

Company Name BASIN ENV. SVC'S

Company Address: P. O. Box 301

City/State/Zip: LOVINGTON, NM 88260

Telephone No: (505) 441-2124

**Sampler Signature:**

Fax No: (505) 396-1429

Project Name: NORTH HOBBS 8-INCH

Project #: SR5: 2006-059

Project Loc: LEA COUNTY, NM

PO #: PAH/C. REYNOLDS

[illegible]

# Environmental Lab of Texas

## Variance / Corrective Action Report – Sample Log-In

Client: Plains

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

Order #: 6620006

Initials: UK

### Sample Receipt Checklist

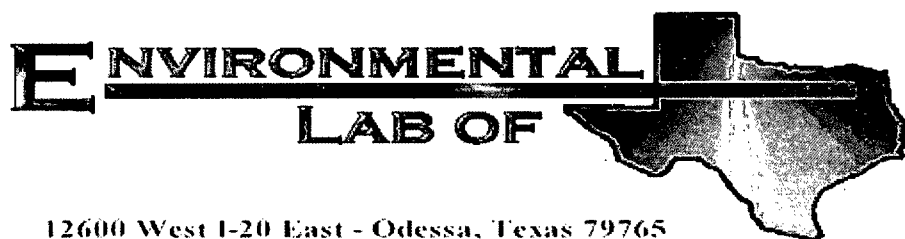
Temperature of container/cooler?	Yes	No	<u>-1.0</u> C
Shipping container/cooler in good condition?	<u>Yes</u>	No	
Custody Seals intact on shipping container/cooler?	<u>Yes</u>	No	Not present
Custody Seals intact on sample bottles?	<u>Yes</u>	No	Not present
Chain of custody present?	<u>Yes</u>	No	
Sample 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
<b>TFH W/W (6C20007-01) Water</b>									
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

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

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

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	<b>Reported:</b>
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/23/06 20:49

**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
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**Batch EC62112 - General Preparation (WetChem)**

**Blank (EC62112-BLK1)** Prepared: 03/20/06 Analyzed: 03/21/06

Chloride	ND	0.500	mg/L							
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**LCS (EC62112-BS1)** Prepared: 03/20/06 Analyzed: 03/21/06

Chloride	9.09		mg/L	10.0		90.9	80-120			
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**Calibration Check (EC62112-CCV1)** Prepared: 03/20/06 Analyzed: 03/21/06

Chloride	9.30		mg/L	10.0		93.0	80-120			
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**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
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**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			

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.

Page 5 of 7



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
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**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			

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.*

Page 6 of 7

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.

**12600 West 1-20 East  
Odessa, Texas 79763**

# CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: NORTH HOBBS 8-INCH  
Project #: SR5; 2006-059  
Project Loc: LEA COUNTY, NM  
PO #: PAH/C. REYNOLDS

Fax No: (505) 396-1429

Telephone No: (505) 441-2124

**Sampler Signature:**

[illegible]

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

Client: Plains  
Date/Time: 3/20/06 11:00  
Order #: 6C20007  
Initials: CK

## 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	
OC 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.
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LOCATION OF RELEASE

Unit Letter M	Section 29	Township 18S	Range 38E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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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 H<sub>2</sub>S 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 ft<sup>2</sup>.

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 <u>Camille Reynolds</u>	<u>OIL CONSERVATION DIVISION</u>	
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"/>

Date: 2-14-06

Phone: 505-441-0965

**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

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 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**

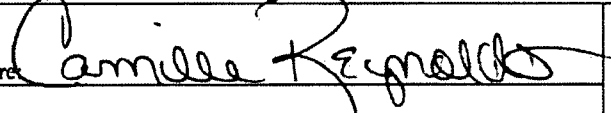
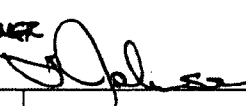
Type of Release	Crude Oil	Volume of Release	10 barrels	Volume Recovered	3 barrels
Source of Release	8-inch Steel Pipeline	Date and Hour of Occurrence	09 February 2006 @ 0900	Date and Hour of Discovery	09 February 2006 @ 1000
Was Immediate Notice Given?	XX Yes <input type="checkbox"/> No <input type="checkbox"/> 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.			

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			
Printed Name: Camille Reynolds	Approved by District Supervisor: 		
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