

NMOC

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

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APPROVED 5-8-06  
S. J. Dutton NMOC

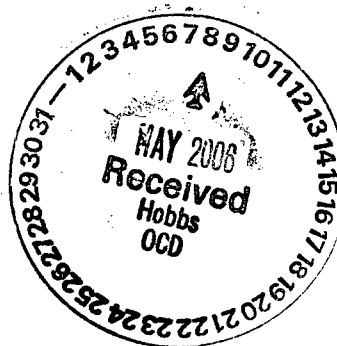
### **PRELIMINARY SITE INVESTIGATION REPORT and REMEDIATION/CLOSURE REQUEST**

**PLAINS MARKETING, L.P. (231735)  
Platinum Pope # 35 Site  
Lea County, New Mexico  
Plains EMS # 2005-00275**

**UNIT H (SE/NE), Section 35, Township 14S, Range 37E  
Latitude 33°, 03', 52.4" North, Longitude 103°, 10', 05.7" West**

Prepared For:

Plains Marketing, L.P.  
333 Clay Street  
Suite 1600  
Houston, Texas 77002



Prepared By:

Basin Environmental Service Technologies, LLC

**05 May 2006**

Ken Dutton

Basin Environmental Service Technologies, LLC

Application pPACOS 34036255  
AP# 325

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## **INTRODUCTION**

Basin Environmental Service Technologies, LLC (Basin), responded to a transport truck crude oil release for Plains Marketing, L.P. (Plains), located at the Platinum Pope #35 Tank Battery on 30 November 2005. The transport truck driver immediately contained the crude oil release and excavation of the impacted soil was initiated and was stockpiled on a 6-mil poly-liner adjacent to the excavation. The Platinum Pope #35 Tank Battery is located on land owned by Mr. Dickie Wheeler.

This site is located in Unit H (SE $\frac{1}{4}$ /NE $\frac{1}{4}$ ) Section 35, Township 14 South, Range 37 East, in Lea County, New Mexico (topographic Site Location Map is attached as Figure 1). The site latitude is 33°, 03', 52.4" North and site longitude is 103°, 10', 05.7" West. The site is characterized by a tank battery located in a pasture utilized for cattle grazing. The visible surface stained area includes the release point covering an area approximately 12 feet long by 6 feet wide. Approximately 12 barrels of crude oil were released from the crude oil transport truck and 0 barrels were recovered.

An Emergency One-Call was initiated 30 November 2005 and all responding companies either cleared or marked their respective lines. Subsequent renewals of the one-call have been accomplished as required.

Ms Pat Caperton, New Mexico Oil Conservation Division (NMOCD), Hobbs, New Mexico District 1, was verbally notified of the release on 30 November 2005. A C-141 form, dated 02 December 2005 was completed by Plains and submitted to the NMOCD, Hobbs, New Mexico Office (see Appendix C, NMOCD C-141).

## **SUMMARY OF FIELD ACTIVITIES**

On 30 November 2005, Basin mobilized to a transport truck crude oil release located at the Platinum Pope #35 Tank Battery. The transport truck driver immediately contained the crude oil release and upon arrival at the site, Basin initiated excavation of the release point and flow path with the excavated soil placed on a 6-mil poly-liner for future remedial action. The excavated area is approximately 40 feet long by 12 feet wide and ranges from approximately six (6) inches to 6 feet below ground surface (bgs) (see Figure 2, Excavation Site Map). Approximately 300 cubic yards of impacted soil has been stockpiled on-site commensurate with remediation activities.

On 14 December 2005, confirmation soil samples were collected from walls and floor of the excavated area. The eight (8) confirmation soil samples collected were field screened with a Photoionization Detector (PID), (see Figure 3, Excavation Site Map - Soil Sampling Locations) and were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), and total petroleum hydrocarbons – gasoline range organics/diesel range organics (TPH-GRO/DRO). Laboratory results of the eight (8) confirmation soil samples indicated that constituent concentrations of BTEX were below NMOCD regulatory standards for two (2) soil samples and not detected above

laboratory method detection limits for the remaining six (6) soil samples (see Table 1, Soil Chemistry Table). Laboratory results of the eight (8) confirmation soil samples indicated that TPH-GRO/DRO concentrations exceeded NMOCD regulatory standards for three (3) soil samples and were not detected above laboratory methods detection limits for the remaining five (5) soil samples. Based on the laboratory results, excavation of the crude oil release site continued at these three (3) sample locations.

On 18 January 2006, confirmation soil samples were collected from the three (3) excavation areas that previously exceeded NMOCD regulatory standards for TPH-DRO/GRO concentrations. The three (3) confirmation soil samples collected were field screened with a PID and were analyzed for BTEX and TPH-GRO/DRO. Laboratory results of the three (3) confirmation soil samples indicated that constituent concentrations of BTEX were not detected above laboratory method detection limits. Laboratory results of the three (3) confirmation soil samples indicated that TPH-GRO/DRO concentrations exceeded NMOCD regulatory standards for one (1) soil sample and were not detected above laboratory methods detection limits for the remaining two (2) soil samples. Based on the laboratory results, excavation of the crude oil release site continued at this one location.

On 15 March 2006, a confirmation soil sample was collected from the excavation area that previously exceeded NMOCD regulatory standards for TPH-GRO/DRO. The confirmation soil sample was analyzed for constituent concentrations of BTEX and TPH-GRO/DRO. Laboratory results indicated that constituent concentrations of BTEX and TPH-GRO/DRO were not detected above laboratory method detection limits. Based on the laboratory results no further excavation activities were required.

## **NEW MEXICO OIL CONSERVATION DIVISION (NMOCD) SOIL CLASSIFICATION**

A search of the New Mexico State Engineers database revealed the average depth to groundwater to be 48 feet bgs for that section, township and range. There are no surface water bodies or water wells within 1000 feet of the release site. Based on this data, the site has an NMOCD Ranking Score of >19, which sets the remediation levels at:

Benzene:	10 ppm
BTEX:	50 ppm
TPH:	100 ppm

## **DISTRIBUTION OF HYDROCARBONS IN THE UNSATURATED ZONE**

The final excavation dimensions which includes the release point and flow path areas are approximately 40 feet long by 12 feet wide and depths ranging from approximately six (6) inches to 6 feet bgs. Laboratory results indicated elevated

concentrations of Volatile Organic Compounds (VOC) remain on the walls and floor of the excavation. Approximately 300 cubic yards of impacted soil has been stockpiled on-site commensurate with remediation activities.

On 14 December 2005, eight (8) confirmation soil samples were collected from the walls and floor of the excavation, ranging in depth from approximately six (6) inches to 6 feet bgs; field screened with a PID and submitted for analysis. Laboratory data sheets and chain-of-custody forms are attached (Appendix B). Laboratory results indicate that constituent concentrations of BTEX were below NMOCD regulatory standards for the south sidewall, and west floor soil samples at 1.5 and 3 feet bgs, respectively, and were not detected above laboratory method detection limits for the remaining six (6) soil samples. Laboratory results indicated that TPH-GRO/DRO concentrations exceeded NMOCD regulatory standards for the samples collected from the north sidewall, west floor and pooling area sidewall, at 1.5, 3 and 3 feet bgs at 443 mg/kg, 1650 mg/kg and 334 mg/kg, respectively. Laboratory results indicated that TPH-GRO/DRO concentrations were not detected above laboratory method detection limits for the remaining five (5) soil samples. Based on the laboratory results, continued excavation of the three (3) areas exceeding NMOCD regulatory standards for concentrations of TPH-GRO/DRO was warranted.

On 18 January 2006, three (3) confirmation soil samples were collected from the walls and floor of the excavation following additional excavation at depths ranging from approximately 1.5 to 3 feet bgs; field screened with a PID and submitted for analysis. Laboratory results indicated that constituent concentrations of BTEX were not detected above laboratory method detection limits for the three (3) soil samples. Laboratory results indicated that TPH-GRO/DRO concentrations were not detected above laboratory method detection limits with the exception of the west floor soil sample, which exceeded NMOCD regulatory standards at 183 mg/kg at a depth of approximately 2.5 feet bgs.

The west floor area was excavated to approximately 4.5 feet bgs and on 15 March 2006 a final confirmation soil sample was collected and submitted for analysis. Laboratory results indicated that constituent concentrations of BTEX and TPH-GRO/DRO for the confirmation soil sample were not detected above laboratory method detection limits and no further excavation was warranted.

## **RECOMMENDATIONS FOR REMEDIATION/CLOSURE**

Approximately 300 cubic yards of impacted soil was excavated and stockpiled on-site resulting from the emergency response and remediation activities. Based on the results of the remedial activities conducted, Plains requests approval to transport the impacted soil to the Plains Lea Station Landfarm (LSLF). A permit (NMOCD Form C-138) will be obtained from the NMOCD Santa Fe Office for the transporting of the contaminated soils to LSLF. The backfill material will be obtained from the landowner, Mr. Dickie Wheeler and the excavation will be contoured to the original rangeland grade surrounding the site and will be reseeded with the landowners

approved grass seed. Upon completion of backfilling, contouring and reseeded, Plains will submit a request for closure to NMOCD pursuant to *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (1993)*.

## **LIMITATIONS**

Basin Environmental Service Technologies, LLC, has prepared this Preliminary Investigation Report and Remediation/Closure Plan to the best of its ability. No other warranty, expressed or implied, is made or intended.

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

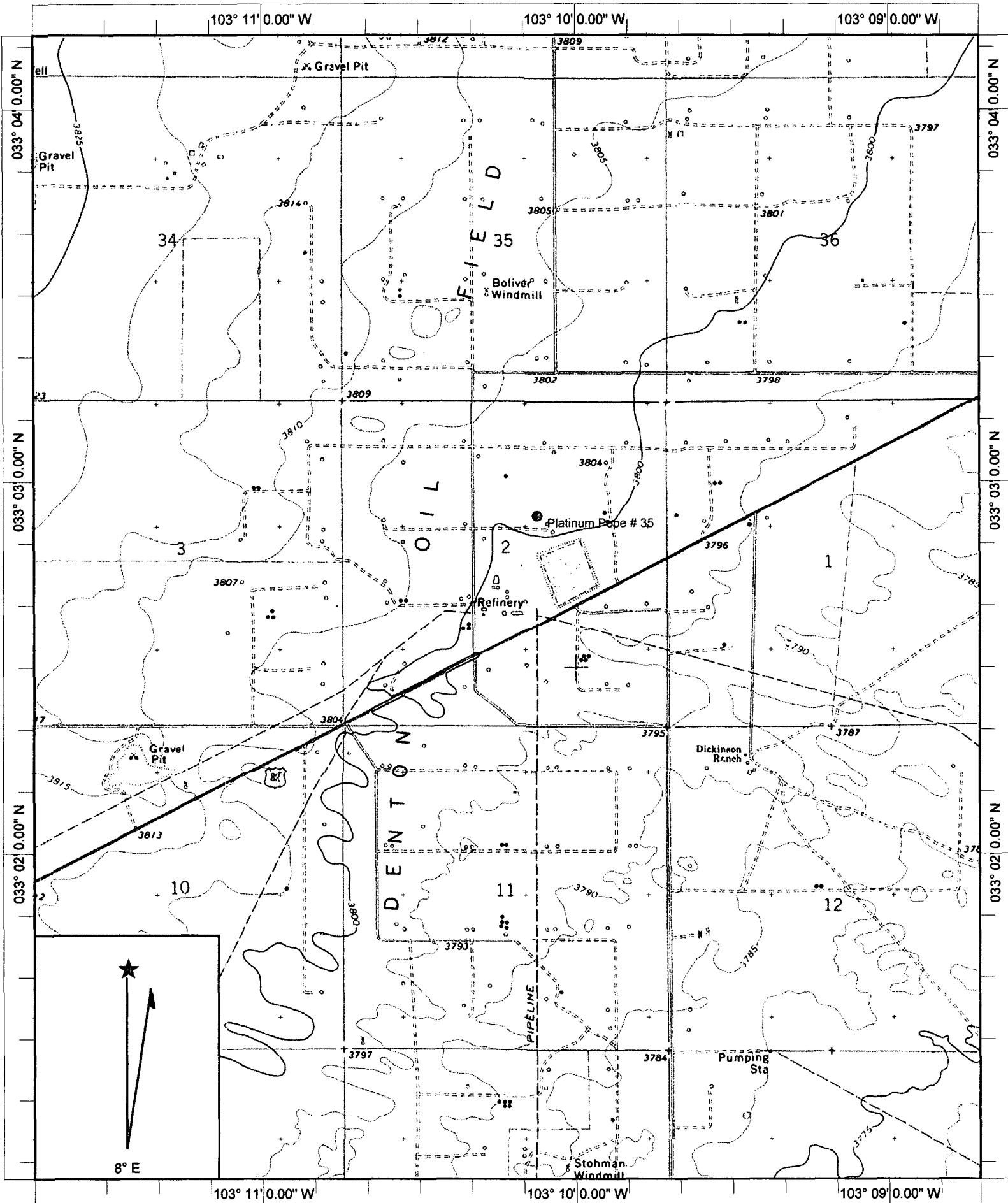
This report has been prepared for the benefit of Plains Marketing, L.P. The information contained in this report including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and Plains Marketing, L.P.

## DISTRIBUTION

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[kdutton@basinenv.com](mailto:kdutton@basinenv.com)
- Copy 3







Name: PRAIRIEVIEW  
 Date: 5/5/2006  
 Scale: 1 inch equals 2000 feet

Location: 033° 02' 39.53" N 103° 10' 13.17" W  
 Caption: Figure 1, Site Location Map  
 Plains Marketing, L. P.  
 Platinum Pope # 35



Plains Marketing, L. P.  
Platinum Pope #35 Site  
SE/SE S35, T14S, R37E  
Lea County, New Mexico  
Plains EMS: 2005-00275

Caliche Lease Road

Platinum Pope #35 Tank Battery

Barb Wire Fence

Release Point

Excavation Floor  
4.5 Feet bgs

12 Feet

Pooling Area

40 Feet

Stockpiled Material

DESCRIPTION

Figure 2  
Excavation Site Map  
Platinum Pope #35



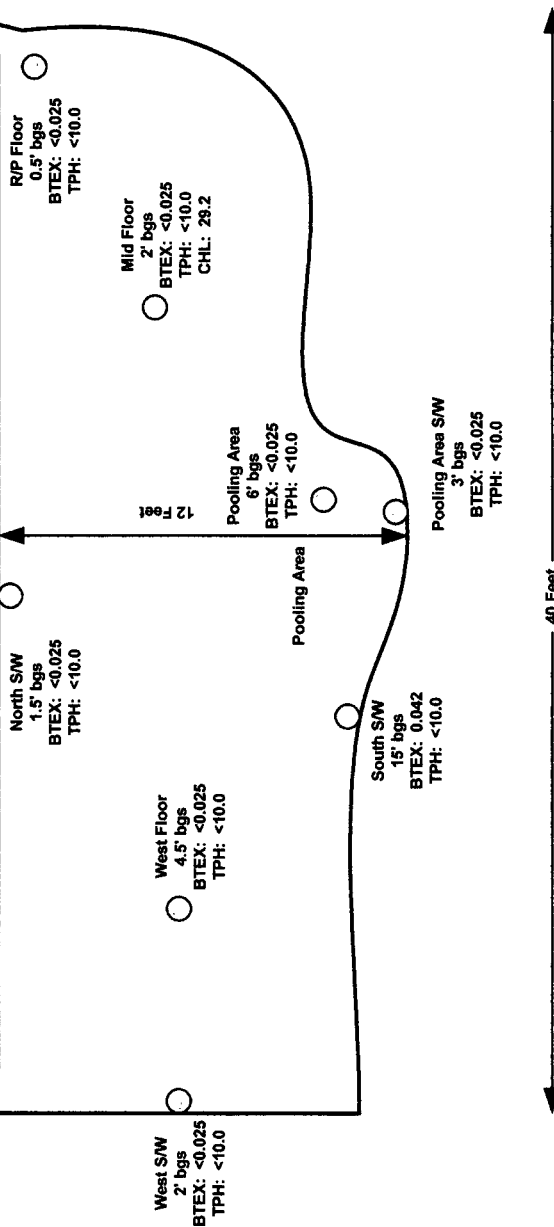
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Platinum Pope #35 Site  
SE/SE S35, T14S, R37E  
Lea County, New Mexico  
Plains EMS: 2005-00275

Caliche Lease Road

Platinum Pope #35 Tank Battery

Barb Wire Fence

Release Point



LEGEND



Soil Sampling Locations

Stockpiled Material

DESCRIPTION

Figure 3  
Excavation Site Map- Final  
Soil Sampling Locations  
Platinum Pope #35

Plains Marketing, L. P.  
Platinum Pope # 35 Site  
Lea County, NM  
SE/SE S35, T14S, R37E  
Plains EMS: 2005-00275

Excavation Floor

4-5 feet bgs

Pooling Area

6 feet bgs

Excavation Floor

2 feet bgs

12/14/2005



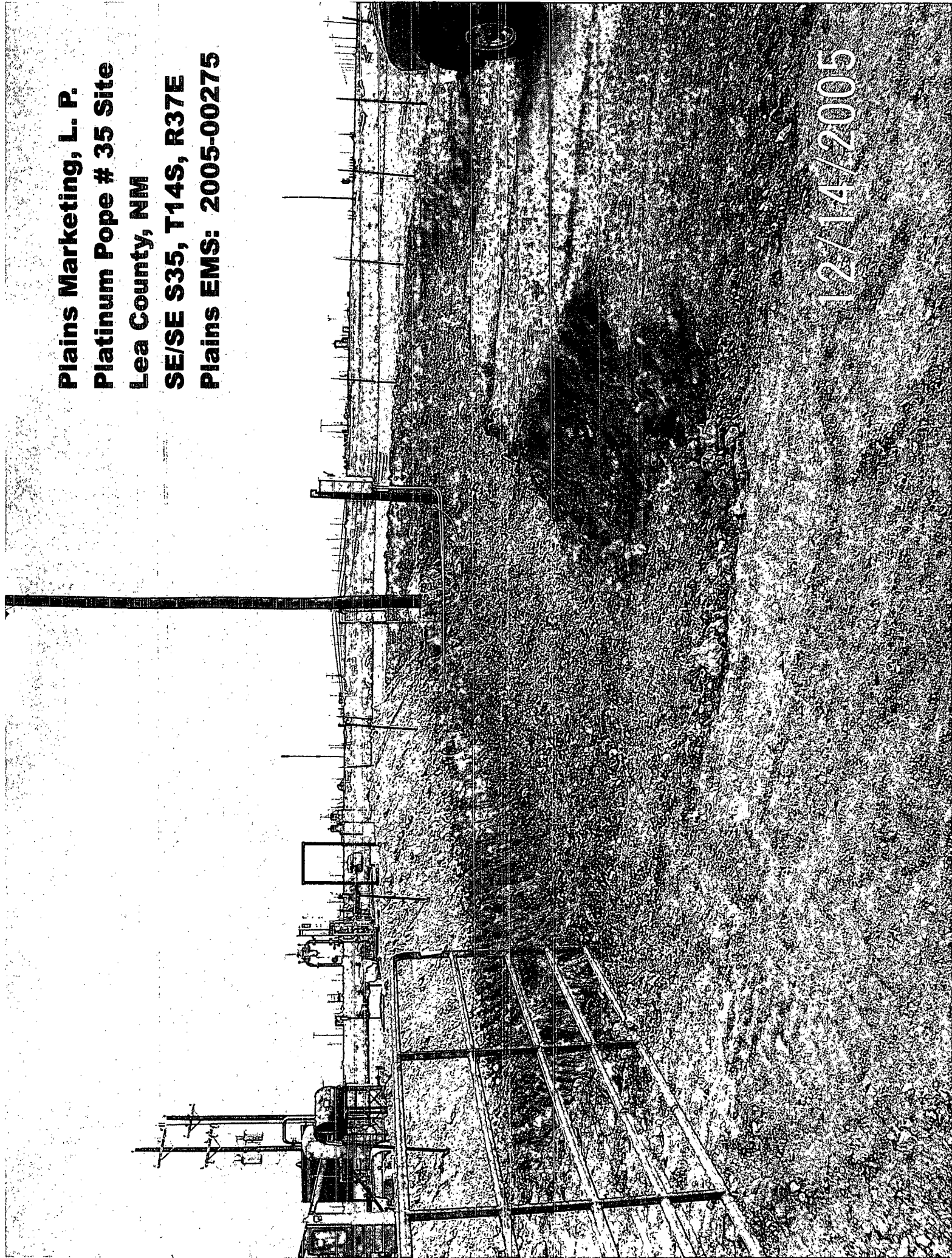
Plains Marketing, L. P.  
Platinum Pope # 35 Site  
Lea County, NM  
SE/SE S35, T14S, R37E  
Plains EMS: 2005-00275

Release Point

Excavation Floor 2 feet bgs

12/14/2005

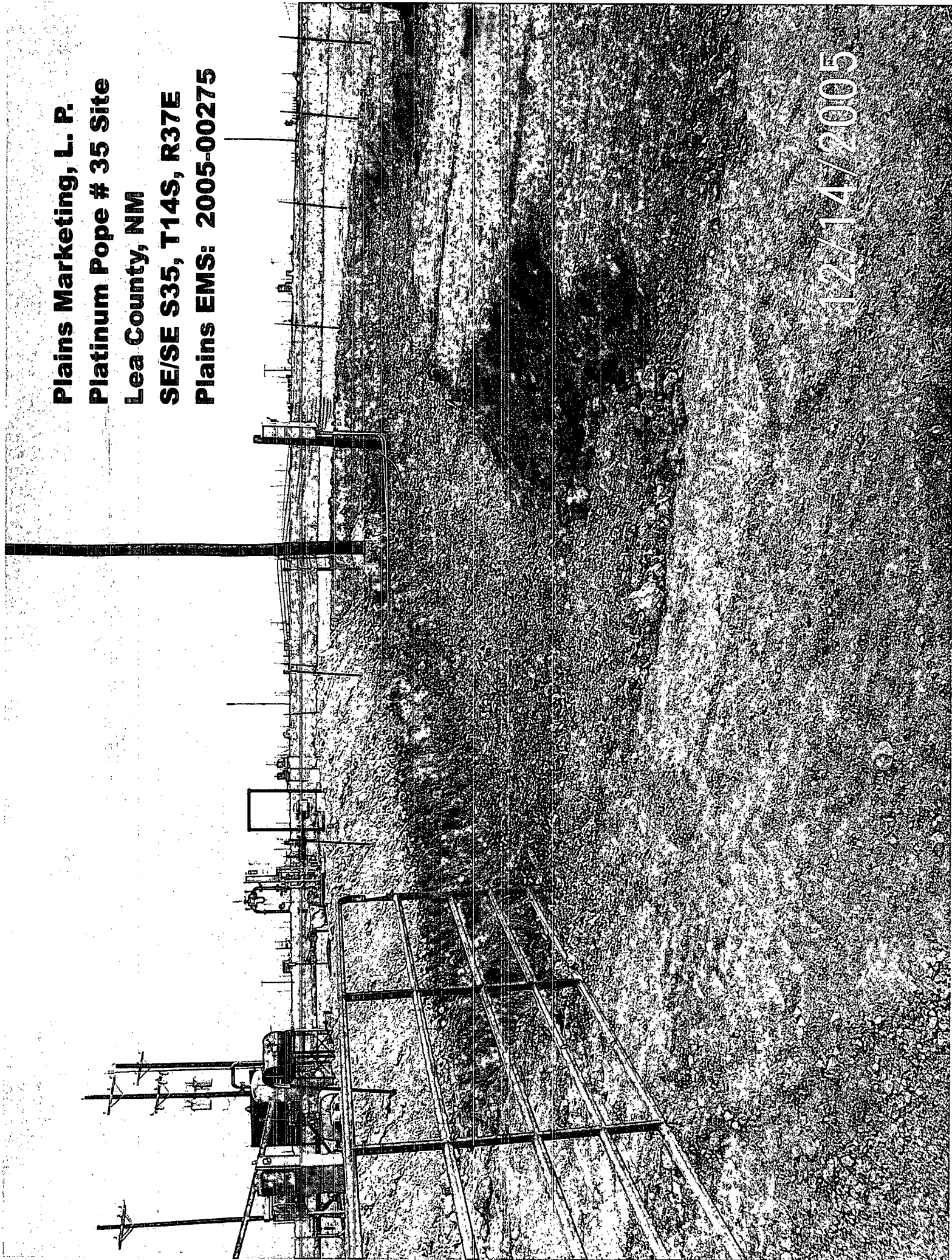
**Plains Marketing, L. P.  
Platinum Pope # 35 Site  
Lea County, NM  
SE/SE S35, T14S, R37E  
Plains EMS: 2005-00275**



12/14/2005



**Plains Marketing, L. P.  
Platinum Pope # 35 Site  
Lea County, NM  
SE/SE S35, T14S, R37E  
Plains EMS: 2005-00275**



12/14/2005

*New Mexico Office of the State Engineer*  
**POD Reports and Downloads**

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Township: 14S    Range: 37E    Sections: 35

NAD27   X:                      Y:                      Zone:                      Search Radius:

County:                      Basin:                      Number:                      Suffix:

Owner Name: (First)                      (Last)                      ☐ Non-Domestic    ☐ Domestic    ☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

iWATERS Menu

Help

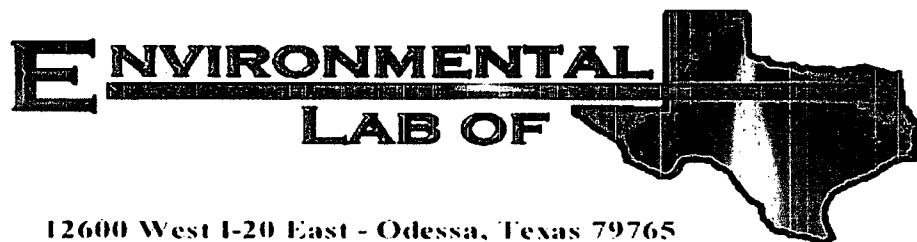
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**AVERAGE DEPTH OF WATER REPORT 05/03/2006**

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
L	14S	37E	35				11	30	75	48

Record Count: 11





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: Platium Pope #35

Project Number: EMS: #2005-00275

Location: Lea County, NM

Lab Order Number: 6C16006

Report Date: 03/23/06

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914  
**Reported:**  
03/23/06 16:50

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 3'	6C16006-01	Soil	03/15/06 07:50	03/16/06 10:00

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914  
**Reported:**  
03/23/06 16:50

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SW 3' (6C16006-01) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EC62103	03/20/06	03/21/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		84.0 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.8 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		95.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		96.8 %	70-130		"	"	"	"	

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914  
**Reported:**  
03/23/06 16:50

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW 3' (6C16006-01) Soil									
% Moisture	5.2	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:  
03/23/06 16:50

**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
<b>Batch EC61616 - Solvent Extraction (GC)</b>										
<b>Blank (EC61616-BLK1)</b>										
				Prepared: 03/16/06 Analyzed: 03/17/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	45.5		mg/kg	50.0		91.0	70-130			
Surrogate: 1-Chlorooctadecane	47.4		"	50.0		94.8	70-130			
<b>LCS (EC61616-BS1)</b>										
				Prepared & Analyzed: 03/16/06						
Carbon Ranges C6-C12	607	10.0	mg/kg wet	500		121	75-125			
Carbon Ranges C12-C28	555	10.0	"	500		111	75-125			
Total Hydrocarbon C6-C35	1160	10.0	"	1000		116	75-125			
Surrogate: 1-Chlorooctane	64.5		mg/kg	50.0		129	70-130			
Surrogate: 1-Chlorooctadecane	61.3		"	50.0		123	70-130			
<b>Calibration Check (EC61616-CCV1)</b>										
				Prepared: 03/16/06 Analyzed: 03/17/06						
Carbon Ranges C6-C12	293		mg/kg	250		117	80-120			
Carbon Ranges C12-C28	297		"	250		119	80-120			
Total Hydrocarbon C6-C35	590		"	500		118	80-120			
Surrogate: 1-Chlorooctane	61.0		"	50.0		122	70-130			
Surrogate: 1-Chlorooctadecane	52.5		"	50.0		105	70-130			
<b>Matrix Spike (EC61616-MS1)</b>										
				Source: 6C16004-01 Prepared: 03/16/06 Analyzed: 03/17/06						
Carbon Ranges C6-C12	581	10.0	mg/kg dry	517	ND	112	75-125			
Carbon Ranges C12-C28	581	10.0	"	517	ND	112	75-125			
Total Hydrocarbon C6-C35	1160	10.0	"	1030	ND	113	75-125			
Surrogate: 1-Chlorooctane	54.5		mg/kg	50.0		109	70-130			
Surrogate: 1-Chlorooctadecane	49.0		"	50.0		98.0	70-130			

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:  
03/23/06 16:50

**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 EC61616 - Solvent Extraction (GC)**

**Matrix Spike Dup (EC61616-MSD1)**

Source: 6C16004-01

Prepared: 03/16/06 Analyzed: 03/17/06

Carbon Ranges C6-C12	501	10.0	mg/kg dry	517	ND	96.9	75-125	14.8	20	
Carbon Ranges C12-C28	519	10.0	"	517	ND	100	75-125	11.3	20	
Total Hydrocarbon C6-C35	1020	10.0	"	1030	ND	99.0	75-125	12.8	20	
Surrogate: 1-Chlorooctane	58.1		mg/kg	50.0		116	70-130			
Surrogate: 1-Chlorooctadecane	54.8		"	50.0		110	70-130			

**Batch EC62103 - EPA 5030C (GC)**

**Blank (EC62103-BLK1)**

Prepared: 03/20/06 Analyzed: 03/21/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	37.5		ug/kg	40.0		93.8	80-120			
Surrogate: 4-Bromofluorobenzene	34.5		"	40.0		86.2	80-120			

**LCS (EC62103-BS1)**

Prepared: 03/20/06 Analyzed: 03/21/06

Benzene	1.03	0.0250	mg/kg wet	1.25		82.4	80-120			
Toluene	1.17	0.0250	"	1.25		93.6	80-120			
Ethylbenzene	1.31	0.0250	"	1.25		105	80-120			
Xylene (p/m)	2.66	0.0250	"	2.50		106	80-120			
Xylene (o)	1.31	0.0250	"	1.25		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	36.9		ug/kg	40.0		92.2	80-120			
Surrogate: 4-Bromofluorobenzene	35.6		"	40.0		89.0	80-120			

**Calibration Check (EC62103-CCV1)**

Prepared: 03/20/06 Analyzed: 03/22/06

Benzene	41.2		ug/kg	50.0		82.4	80-120			
Toluene	44.3		"	50.0		88.6	80-120			
Ethylbenzene	48.6		"	50.0		97.2	80-120			
Xylene (p/m)	100		"	100		100	80-120			
Xylene (o)	50.4		"	50.0		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.2		"	40.0		88.0	80-120			
Surrogate: 4-Bromofluorobenzene	37.4		"	40.0		93.5	80-120			

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:  
03/23/06 16:50

**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 EC62103 - EPA 5030C (GC)**

**Matrix Spike (EC62103-MS1)** Source: 6C16015-01 Prepared: 03/20/06 Analyzed: 03/21/06

Benzene	1.18	0.0250	mg/kg dry	1.42	ND	83.1	80-120			
Toluene	1.34	0.0250	"	1.42	ND	94.4	80-120			
Ethylbenzene	1.53	0.0250	"	1.42	ND	108	80-120			
Xylene (p/m)	3.10	0.0250	"	2.84	ND	109	80-120			
Xylene (o)	1.54	0.0250	"	1.42	ND	108	80-120			
Surrogate: a,a,a-Trifluorotoluene	36.4		ug/kg	40.0		91.0	80-120			
Surrogate: 4-Bromofluorobenzene	41.5		"	40.0		104	80-120			

**Matrix Spike Dup (EC62103-MSD1)** Source: 6C16015-01 Prepared: 03/20/06 Analyzed: 03/21/06

Benzene	1.17	0.0250	mg/kg dry	1.42	ND	82.4	80-120	0.846	20	
Toluene	1.33	0.0250	"	1.42	ND	93.7	80-120	0.744	20	
Ethylbenzene	1.51	0.0250	"	1.42	ND	106	80-120	1.87	20	
Xylene (p/m)	3.07	0.0250	"	2.84	ND	108	80-120	0.922	20	
Xylene (o)	1.52	0.0250	"	1.42	ND	107	80-120	0.930	20	
Surrogate: a,a,a-Trifluorotoluene	37.0		ug/kg	40.0		92.5	80-120			
Surrogate: 4-Bromofluorobenzene	38.0		"	40.0		95.0	80-120			

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:  
03/23/06 16:50

**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 EC61702 - General Preparation (Prep)</b>										
<b>Blank (EC61702-BLK1)</b>		Prepared: 03/16/06 Analyzed: 03/17/06								
% Solids	99.9		%							
<b>Duplicate (EC61702-DUP1)</b>		<b>Source: 6C15014-01</b>		Prepared: 03/16/06 Analyzed: 03/17/06						
% Solids	97.9		%		97.5			0.409	20	
<b>Duplicate (EC61702-DUP2)</b>		<b>Source: 6C16004-14</b>		Prepared: 03/16/06 Analyzed: 03/17/06						
% Solids	91.7		%		91.6			0.109	20	
<b>Duplicate (EC61702-DUP3)</b>		<b>Source: 6C16013-02</b>		Prepared: 03/16/06 Analyzed: 03/17/06						
% Solids	98.3		%		97.9			0.408	20	



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

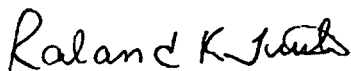
Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914  
**Reported:**  
03/23/06 16:50

### 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.

**12800 West I-20 East  
Odessa, Texas 79763**

**Phone: 915-583-1800**  
**Fax: 915-583-1713**

Kenneth Outton

## Basic Environmental

Below 301

09288

15212-1341-505

Francis C. C. C.


Fax No: 505-396-1479

Platinum Pope #35

Project #: EMSH 2005-00275

Project Loc: Lea Co., NM

PAH/C. Reynolds

Special Instructions:	Relinquished by:				Date	Time	Received by:		
	Relinquished by:				Date	Time	Received by ELOT:		
					3/1/00	1000	Carver	10:00	3/1/00

# Environmental Lab of Texas

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

Client: Basin Env. / Plains

Date/Time: 3/16/06 10:00

Order #: 6C16000<sup>ck</sup> 6C16000

Initials: CK

### Sample Receipt Checklist

Temperature of container/cooler?	Yes	No		O	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			
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable		

Other observations:

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### Variance Documentation:

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
Regarding: \_\_\_\_\_

Corrective Action Taken:

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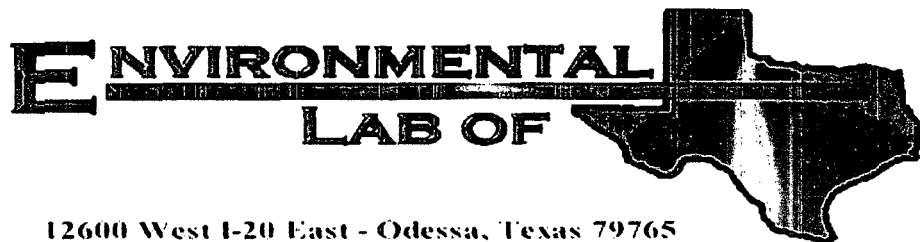
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12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Platium Pope #35

Project Number: EMS: #2005-00275

Location: Lea County, NM

Lab Order Number: 6A20008

Report Date: 01/30/06

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914  
**Reported:**  
01/30/06 09:34

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pool Area S. Wall 3'	6A20008-01	Soil	01/18/06 13:10	01/20/06 08:35
N. Sd. Wall	6A20008-02	Soil	01/18/06 13:15	01/20/06 08:35
W. Floor 3'	6A20008-03	Soil	01/18/06 13:20	01/20/06 08:35

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

**Reported:**  
01/30/06 09:34

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Pool Area S. Wall 3' (6A20008-01) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EA62410	01/24/06	01/25/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		82.5 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.0 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA62026	01/20/06	01/21/06	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		97.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		88.0 %	70-130		"	"	"	"	
<b>N. Sd. Wall (6A20008-02) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EA62410	01/24/06	01/25/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		82.5 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.8 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA62026	01/20/06	01/21/06	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		106 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		96.0 %	70-130		"	"	"	"	
<b>W. Floor 3' (6A20008-03) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EA62410	01/24/06	01/24/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		80.2 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.5 %	80-120		"	"	"	"	
<b>Gasoline Range Organics C6-C12</b>	<b>ND</b>	10.0	mg/kg dry	1	EA62026	01/20/06	01/21/06	EPA 8015M	
<b>Diesel Range Organics &gt;C12-C35</b>	<b>183</b>	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbon C6-C35</b>	<b>183</b>	10.0	"	"	"	"	"	"	

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 9

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

**Reported:**  
01/30/06 09:34

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>W. Floor 3' (6A20008-03) Soil</b>									
Surrogate: 1-Chlorooctane		101 %	70-130		EA62026	01/20/06	01/21/06	EPA 8015M	
Surrogate: 1-Chlorooctadecane		95.8 %	70-130		"	"	"	"	

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

**Reported:**  
01/30/06 09:34

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Pool Area S. Wall 3' (6A20008-01) Soil</b>									
% Moisture	3.1	0.1	%	1	EA62306	01/20/06	01/23/06	% calculation	
<b>N. Sd. Wall (6A20008-02) Soil</b>									
% Moisture	8.5	0.1	%	1	EA62306	01/20/06	01/23/06	% calculation	
<b>W. Floor 3' (6A20008-03) Soil</b>									
% Moisture	2.0	0.1	%	1	EA62306	01/20/06	01/23/06	% calculation	



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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:  
01/30/06 09:34

### 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
<b>Batch EA62026 - Solvent Extraction (GC)</b>										
<b>Blank (EA62026-BLK1)</b>										
Prepared & Analyzed: 01/20/06										
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	56.3		mg/kg	50.0		113	70-130			
Surrogate: 1-Chlorooctadecane	50.5		"	50.0		101	70-130			
<b>LCS (EA62026-BS1)</b>										
Prepared & Analyzed: 01/20/06										
Gasoline Range Organics C6-C12	473	10.0	mg/kg wet	500		94.6	75-125			
Diesel Range Organics >C12-C35	571	10.0	"	500		114	75-125			
Total Hydrocarbon C6-C35	1040	10.0	"	1000		104	75-125			
Surrogate: 1-Chlorooctane	59.5		mg/kg	50.0		119	70-130			
Surrogate: 1-Chlorooctadecane	48.9		"	50.0		97.8	70-130			
<b>Calibration Check (EA62026-CCV1)</b>										
Prepared: 01/20/06 Analyzed: 01/21/06										
Gasoline Range Organics C6-C12	541		mg/kg	500		108	80-120			
Diesel Range Organics >C12-C35	587		"	500		117	80-120			
Total Hydrocarbon C6-C35	1130		"	1000		113	80-120			
Surrogate: 1-Chlorooctane	57.9		"	50.0		116	70-130			
Surrogate: 1-Chlorooctadecane	50.9		"	50.0		102	70-130			
<b>Matrix Spike (EA62026-MS1)</b>										
Source: 6A19013-01 Prepared & Analyzed: 01/20/06										
Gasoline Range Organics C6-C12	466	10.0	mg/kg dry	506	ND	92.1	75-125			
Diesel Range Organics >C12-C35	609	10.0	"	506	110	98.6	75-125			
Total Hydrocarbon C6-C35	1080	10.0	"	1010	110	96.0	75-125			
Surrogate: 1-Chlorooctane	58.0		mg/kg	50.0		116	70-130			
Surrogate: 1-Chlorooctadecane	50.5		"	50.0		101	70-130			
<b>Matrix Spike Dup (EA62026-MSD1)</b>										
Source: 6A19013-01 Prepared & Analyzed: 01/20/06										
Gasoline Range Organics C6-C12	465	10.0	mg/kg dry	506	ND	91.9	75-125	0.215	20	
Diesel Range Organics >C12-C35	608	10.0	"	506	110	98.4	75-125	0.164	20	
Total Hydrocarbon C6-C35	1070	10.0	"	1010	110	95.0	75-125	0.930	20	
Surrogate: 1-Chlorooctane	57.8		mg/kg	50.0		116	70-130			
Surrogate: 1-Chlorooctadecane	50.7		"	50.0		101	70-130			

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:  
01/30/06 09:34

**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 EA62410 - EPA 5030C (GC)**

**Blank (EA62410-BLK1)**

Prepared: 01/24/06 Analyzed: 01/25/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	32.5		ug/kg	40.0		81.2	80-120			
Surrogate: 4-Bromofluorobenzene	40.4		"	40.0		101	80-120			

**LCS (EA62410-BS1)**

Prepared & Analyzed: 01/24/06

Benzene	1.02	0.0250	mg/kg wet	1.25		81.6	80-120			
Toluene	1.04	0.0250	"	1.25		83.2	80-120			
Ethylbenzene	1.05	0.0250	"	1.25		84.0	80-120			
Xylene (p/m)	2.06	0.0250	"	2.50		82.4	80-120			
Xylene (o)	1.06	0.0250	"	1.25		84.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.8		ug/kg	40.0		97.0	80-120			
Surrogate: 4-Bromofluorobenzene	38.4		"	40.0		96.0	80-120			

**Calibration Check (EA62410-CCV1)**

Prepared: 01/24/06 Analyzed: 01/25/06

Benzene	41.3		ug/kg	50.0		82.6	80-120			
Toluene	42.7		"	50.0		85.4	80-120			
Ethylbenzene	41.0		"	50.0		82.0	80-120			
Xylene (p/m)	81.9		"	100		81.9	80-120			
Xylene (o)	43.1		"	50.0		86.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	34.0		"	40.0		85.0	80-120			
Surrogate: 4-Bromofluorobenzene	43.3		"	40.0		108	80-120			

**Matrix Spike (EA62410-MS1)**

Source: 6A20008-01

Prepared: 01/24/06 Analyzed: 01/27/06

Benzene	0.0585	0.00100	mg/kg dry	0.0516	ND	113	80-120			
Toluene	0.0593	0.00100	"	0.0516	ND	115	80-120			
Ethylbenzene	0.0591	0.00100	"	0.0516	ND	115	80-120			
Xylene (p/m)	0.116	0.00100	"	0.103	ND	113	80-120			
Xylene (o)	0.0611	0.00100	"	0.0516	ND	118	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.4		ug/kg	40.0		93.5	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: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:  
01/30/06 09:34

**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 EA62410 - EPA 5030C (GC)**

Matrix Spike Dup (EA62410-MSD1)	Source: 6A20008-01			Prepared: 01/24/06 Analyzed: 01/27/06						
Benzene	0.0601	0.00100	mg/kg dry	0.0516	ND	116	80-120	2.62	20	
Toluene	0.0604	0.00100	"	0.0516	ND	117	80-120	1.72	20	
Ethylbenzene	0.0611	0.00100	"	0.0516	ND	118	80-120	2.58	20	
Xylene (p/m)	0.117	0.00100	"	0.103	ND	114	80-120	0.881	20	
Xylene (o)	0.0611	0.00100	"	0.0516	ND	118	80-120	0.00	20	
Surrogate: a,a,a-Trifluorotoluene	38.2		ug/kg	40.0		95.5	80-120			
Surrogate: 4-Bromofluorobenzene	44.6		"	40.0		112	80-120			

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

**Reported:**  
01/30/06 09:34

**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 EA62306 - General Preparation (Prep)</b>										
<b>Blank (EA62306-BLK1)</b>										
					Prepared: 01/20/06 Analyzed: 01/23/06					
% Solids	100		%							
<b>Duplicate (EA62306-DUP1)</b>										
			<b>Source: 6A19013-01</b>		Prepared: 01/20/06 Analyzed: 01/23/06					
% Solids	98.7		%		98.8			0.101	20	
<b>Duplicate (EA62306-DUP2)</b>										
			<b>Source: 6A20009-07</b>		Prepared: 01/20/06 Analyzed: 01/23/06					
% Solids	98.6		%		99.1			0.506	20	

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

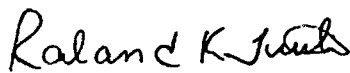
Fax: (432) 687-4914

**Reported:**  
01/30/06 09:34

### 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:

1/30/2006

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**

**Phone: 915-553-1800**  
**Fax: 915-553-1713**

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Project Manager:**

**Company Name**

**Company Address:**

City/State/Zip:

**Telephone No.:**

**Ex. No.:**

**Sampler Signature:**

[illegible]

### Special Instructions:

**Sample Containers Intact?**  
**Temperature Upon Receipt:**  
**Laboratory Comments:**

**Relinquished by:**

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

Date /	Time
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Received by:

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Date. Time

### Laboratory Comments:

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Reinquired by:

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Date	Time
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209

# Environmental Lab of Texas

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

Client: Plains

Date/Time: 1/20/06 8:35

Order #: 6A20008

Initials: CR

### Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	-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		
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable	

Other observations:

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### Variance Documentation:

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Regarding: \_\_\_\_\_

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Corrective Action Taken:

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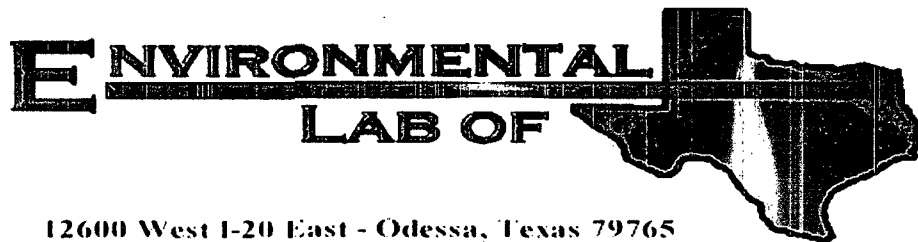
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12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Platium Pope #35

Project Number: EMS: #2005-00275

Location: Lea County, NM

Lab Order Number: 5L16004

Report Date: 12/27/05



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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

**Reported:**  
12/27/05 13:39

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
South S/W 1.5'	5L16004-01	Soil	12/14/05 09:28	12/15/05 17:30
North S/W 1.5'	5L16004-02	Soil	12/14/05 09:31	12/15/05 17:30
R/P FLR East 6"	5L16004-03	Soil	12/14/05 09:35	12/15/05 17:30
Mid FLR 2'	5L16004-04	Soil	12/14/05 09:37	12/15/05 17:30
West FLR 3'	5L16004-05	Soil	12/14/05 09:41	12/15/05 17:30
West S/W 2'	5L16004-06	Soil	12/14/05 09:44	12/15/05 17:30
Pooling Area 6'	5L16004-07	Soil	12/14/05 09:49	12/15/05 17:30
Pooling Area S/W 3'	5L16004-08	Soil	12/14/05 09:51	12/15/05 17:30
STCKP	5L16004-09	Soil	12/14/05 10:05	12/15/05 17:30

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:  
12/27/05 13:39

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>South S/W 1.5' (5L16004-01) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EL51904	12/19/05	12/19/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.5 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL51508	12/16/05	12/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		98.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		91.8 %	70-130		"	"	"	"	
<b>North S/W 1.5' (5L16004-02) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EL51904	12/19/05	12/19/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	21.0	10.0	mg/kg dry	1	EL51508	12/16/05	12/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	422	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	443	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		96.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		106 %	70-130		"	"	"	"	
<b>R/P FLR East 6" (5L16004-03) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EL51904	12/19/05	12/19/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.2 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL51508	12/16/05	12/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	J [8.58]	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

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Page 2 of 12

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

**Reported:**  
12/27/05 13:39

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>R/P FLR East 6" (5L16004-03) Soil</b>									
Surrogate: 1-Chlorooctane		88.6 %	70-130		EL51508	12/16/05	12/19/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		78.6 %	70-130		"	"	"	"	
<b>Mid FLR 2' (5L16004-04) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EL51904	12/19/05	12/19/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		90.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.5 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL51508	12/16/05	12/19/05	EPA 8015M	
<b>Diesel Range Organics &gt;C12-C35</b>	<b>J [7.28]</b>	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		94.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		86.0 %	70-130		"	"	"	"	
<b>West FLR 3' (5L16004-05) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EL51904	12/19/05	12/20/05	EPA 8021B	
<b>Toluene</b>	<b>J [0.0143]</b>	0.0250	"	"	"	"	"	"	J
<b>Ethylbenzene</b>	<b>ND</b>	0.0250	"	"	"	"	"	"	
<b>Xylene (p/m)</b>	<b>0.0891</b>	0.0250	"	"	"	"	"	"	
<b>Xylene (o)</b>	<b>0.0328</b>	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	205	10.0	mg/kg dry	1	EL51625	12/16/05	12/19/05	EPA 8015M	
<b>Diesel Range Organics &gt;C12-C35</b>	<b>1440</b>	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbon C6-C35</b>	<b>1650</b>	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		108 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		143 %	70-130		"	"	"	"	S-04

Environmental Lab of Texas

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Page 3 of 12

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Carnille Reynolds

Fax: (432) 687-4914

Reported:  
12/27/05 13:39

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>West S/W 2' (5L16004-06) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EL51904	12/19/05	12/19/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		83.8 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.2 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL51625	12/16/05	12/20/05	EPA 8015M	
<b>Diesel Range Organics &gt;C12-C35</b>	<b>J [8.48]</b>	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		99.4 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		100 %	70-130		"	"	"	"	
<b>Pooling Area 6' (5L16004-07) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EL51904	12/19/05	12/19/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		91.8 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.8 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL51625	12/16/05	12/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		92.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		94.4 %	70-130		"	"	"	"	
<b>Pooling Area S/W 3' (5L16004-08) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EL51904	12/19/05	12/20/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		88.2 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.2 %	80-120		"	"	"	"	
<b>Gasoline Range Organics C6-C12</b>	<b>J [8.10]</b>	10.0	mg/kg dry	1	EL51625	12/16/05	12/19/05	EPA 8015M	J
<b>Diesel Range Organics &gt;C12-C35</b>	<b>334</b>	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbon C6-C35</b>	<b>334</b>	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

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Page 4 of 12

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:  
12/27/05 13:39

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Pooling Area S/W 3' (5L16004-08) Soil</b>									
Surrogate: 1-Chlorooctane		97.0 %	70-130		EL51625	12/16/05	12/19/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		116 %	70-130		"	"	"	"	
<b>STCKP (5L16004-09) Soil</b>									
Benzene	J [0.240]	0.500	mg/kg dry	500	EL51904	12/19/05	12/19/05	EPA 8021B	J
Toluene	4.23	0.500	"	"	"	"	"	"	
Ethylbenzene	4.65	0.500	"	"	"	"	"	"	
Xylene (p/m)	33.8	0.500	"	"	"	"	"	"	
Xylene (o)	12.5	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		118 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	3010	50.0	mg/kg dry	5	EL51625	12/16/05	12/20/05	EPA 8015M	
Diesel Range Organics >C12-C35	13300	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	16300	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		40.4 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		80.8 %	70-130		"	"	"	"	

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

**Reported:**  
12/27/05 13:39

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>South S/W 1.5' (5L16004-01) Soil</b>									
% Moisture	5.6	0.1	%	1	EL51902	12/16/05	12/19/05	% calculation	
<b>North S/W 1.5' (5L16004-02) Soil</b>									
% Moisture	6.4	0.1	%	1	EL51902	12/16/05	12/19/05	% calculation	
<b>R/P FLR East 6'' (5L16004-03) Soil</b>									
% Moisture	10.1	0.1	%	1	EL51902	12/16/05	12/19/05	% calculation	
<b>Mid FLR 2' (5L16004-04) Soil</b>									
Chloride	29.2	5.00	mg/kg	10	EL52103	12/20/05	12/21/05	EPA 300.0	
% Moisture	11.5	0.1	%	1	EL51902	12/16/05	12/19/05	% calculation	
<b>West FLR 3' (5L16004-05) Soil</b>									
% Moisture	5.5	0.1	%	1	EL51902	12/16/05	12/19/05	% calculation	
<b>West S/W 2' (5L16004-06) Soil</b>									
% Moisture	3.8	0.1	%	1	EL51902	12/16/05	12/19/05	% calculation	
<b>Pooling Area 6' (5L16004-07) Soil</b>									
% Moisture	11.2	0.1	%	1	EL51902	12/16/05	12/19/05	% calculation	
<b>Pooling Area S/W 3' (5L16004-08) Soil</b>									
% Moisture	4.1	0.1	%	1	EL51902	12/16/05	12/19/05	% calculation	
<b>STCKP (5L16004-09) Soil</b>									
% Moisture	3.7	0.1	%	1	EL51902	12/16/05	12/19/05	% calculation	

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:  
12/27/05 13:39

**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 EL51508 - Solvent Extraction (GC)**

**Blank (EL51508-BLK1)**

Prepared: 12/15/05 Analyzed: 12/18/05

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	56.1		mg/kg	50.0		112	70-130			
Surrogate: 1-Chlorooctadecane	60.0		"	50.0		120	70-130			

**LCS (EL51508-BS1)**

Prepared: 12/15/05 Analyzed: 12/18/05

Gasoline Range Organics C6-C12	450	10.0	mg/kg wet	500		90.0	75-125			
Diesel Range Organics >C12-C35	461	10.0	"	500		92.2	75-125			
Total Hydrocarbon C6-C35	911	10.0	"	1000		91.1	75-125			
Surrogate: 1-Chlorooctane	56.0		mg/kg	50.0		112	70-130			
Surrogate: 1-Chlorooctadecane	57.6		"	50.0		115	70-130			

**Calibration Check (EL51508-CCV1)**

Prepared: 12/15/05 Analyzed: 12/19/05

Gasoline Range Organics C6-C12	435		mg/kg	500		87.0	80-120			
Diesel Range Organics >C12-C35	476		"	500		95.2	80-120			
Total Hydrocarbon C6-C35	911		"	1000		91.1	80-120			
Surrogate: 1-Chlorooctane	57.7		"	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	62.4		"	50.0		125	70-130			

**Matrix Spike (EL51508-MS1)**

Source: 5L15006-01

Prepared: 12/15/05 Analyzed: 12/18/05

Gasoline Range Organics C6-C12	496	10.0	mg/kg dry	529	ND	93.8	75-125			
Diesel Range Organics >C12-C35	410	10.0	"	529	ND	77.5	75-125			
Total Hydrocarbon C6-C35	906	10.0	"	1060	ND	85.5	75-125			
Surrogate: 1-Chlorooctane	53.8		mg/kg	50.0		108	70-130			
Surrogate: 1-Chlorooctadecane	45.5		"	50.0		91.0	70-130			

**Matrix Spike Dup (EL51508-MSD1)**

Source: 5L15006-01

Prepared: 12/15/05 Analyzed: 12/18/05

Gasoline Range Organics C6-C12	484	10.0	mg/kg dry	529	ND	91.5	75-125	2.45	20	
Diesel Range Organics >C12-C35	400	10.0	"	529	ND	75.6	75-125	2.47	20	
Total Hydrocarbon C6-C35	884	10.0	"	1060	ND	83.4	75-125	2.46	20	
Surrogate: 1-Chlorooctane	52.2		mg/kg	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	43.6		"	50.0		87.2	70-130			

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

Project: Platium Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:  
12/27/05 13:39

**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
<b>Batch EL51625 - Solvent Extraction (GC)</b>										
<b>Blank (EL51625-BLK1)</b>										
				Prepared: 12/16/05 Analyzed: 12/19/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	50.8		mg/kg	50.0		102	70-130			
Surrogate: 1-Chlorooctadecane	45.4		"	50.0		90.8	70-130			
<b>LCS (EL51625-BS1)</b>										
				Prepared: 12/16/05 Analyzed: 12/19/05						
Gasoline Range Organics C6-C12	439	10.0	mg/kg wet	500		87.8	75-125			
Diesel Range Organics >C12-C35	485	10.0	"	500		97.0	75-125			
Total Hydrocarbon C6-C35	924	10.0	"	1000		92.4	75-125			
Surrogate: 1-Chlorooctane	54.3		mg/kg	50.0		109	70-130			
Surrogate: 1-Chlorooctadecane	63.5		"	50.0		127	70-130			
<b>Calibration Check (EL51625-CCV1)</b>										
				Prepared: 12/16/05 Analyzed: 12/19/05						
Gasoline Range Organics C6-C12	431		mg/kg	500		86.2	80-120			
Diesel Range Organics >C12-C35	523		"	500		105	80-120			
Total Hydrocarbon C6-C35	954		"	1000		95.4	80-120			
Surrogate: 1-Chlorooctane	57.4		"	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	53.9		"	50.0		108	70-130			
<b>Matrix Spike (EL51625-MS1)</b>										
			Source: 5L16004-07		Prepared: 12/16/05 Analyzed: 12/19/05					
Gasoline Range Organics C6-C12	492	10.0	mg/kg dry	563	ND	87.4	75-125			
Diesel Range Organics >C12-C35	542	10.0	"	563	ND	96.3	75-125			
Total Hydrocarbon C6-C35	1030	10.0	"	1130	ND	91.2	75-125			
Surrogate: 1-Chlorooctane	59.6		mg/kg	50.0		119	70-130			
Surrogate: 1-Chlorooctadecane	51.7		"	50.0		103	70-130			
<b>Matrix Spike Dup (EL51625-MSD1)</b>										
			Source: 5L16004-07		Prepared: 12/16/05 Analyzed: 12/19/05					
Gasoline Range Organics C6-C12	503	10.0	mg/kg dry	563	ND	89.3	75-125	2.21	20	
Diesel Range Organics >C12-C35	557	10.0	"	563	ND	98.9	75-125	2.73	20	
Total Hydrocarbon C6-C35	1060	10.0	"	1130	ND	93.8	75-125	2.87	20	
Surrogate: 1-Chlorooctane	56.6		mg/kg	50.0		113	70-130			
Surrogate: 1-Chlorooctadecane	53.3		"	50.0		107	70-130			



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Reported:  
12/27/05 13:39

**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
<b>Batch EL51904 - EPA 5030C (GC)</b>										
<b>Blank (EL51904-BLK1)</b>										
Prepared & Analyzed: 12/19/05										
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	39.2		ug/kg	40.0		98.0	80-120			
Surrogate: 4-Bromofluorobenzene	41.5		"	40.0		104	80-120			
<b>LCS (EL51904-BS1)</b>										
Prepared & Analyzed: 12/19/05										
Benzene	0.0439	0.00100	mg/kg wet	0.0500		87.8	80-120			
Toluene	0.0523	0.00100	"	0.0500		105	80-120			
Ethylbenzene	0.0547	0.00100	"	0.0500		109	80-120			
Xylene (p/m)	0.112	0.00100	"	0.100		112	80-120			
Xylene (o)	0.0547	0.00100	"	0.0500		109	80-120			
Surrogate: a,a,a-Trifluorotoluene	40.3		ug/kg	40.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	43.6		"	40.0		109	80-120			
<b>Calibration Check (EL51904-CCV1)</b>										
Prepared: 12/19/05 Analyzed: 12/20/05										
Benzene	0.0504		mg/kg wet	0.0500		101	80-120			
Toluene	0.0549		"	0.0500		110	80-120			
Ethylbenzene	0.0551		"	0.0500		110	80-120			
Xylene (p/m)	0.113		"	0.100		113	80-120			
Xylene (o)	0.0560		"	0.0500		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.3		ug/kg	40.0		95.8	80-120			
Surrogate: 4-Bromofluorobenzene	36.7		"	40.0		91.8	80-120			
<b>Matrix Spike (EL51904-MS1)</b>										
Source: 5L16004-01 Prepared: 12/19/05 Analyzed: 12/20/05										
Benzene	1.15	0.0250	mg/kg dry	1.32	ND	87.1	80-120			
Toluene	1.40	0.0250	"	1.32	ND	106	80-120			
Ethylbenzene	1.55	0.0250	"	1.32	ND	117	80-120			
Xylene (p/m)	3.17	0.0250	"	2.65	ND	120	80-120			
Xylene (o)	1.53	0.0250	"	1.32	ND	116	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.0		ug/kg	40.0		97.5	80-120			
Surrogate: 4-Bromofluorobenzene	46.9		"	40.0		117	80-120			

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:  
12/27/05 13:39

**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 EL51904 - EPA 5030C (GC)**

**Matrix Spike Dup (EL51904-MSD1)**

Source: 5L16004-01

Prepared: 12/19/05 Analyzed: 12/20/05

Benzene	1.06	0.0250	mg/kg dry	1.32	ND	80.3	80-120	8.12	20	
Toluene	1.26	0.0250	"	1.32	ND	95.5	80-120	10.4	20	
Ethylbenzene	1.39	0.0250	"	1.32	ND	105	80-120	10.8	20	
Xylene (p/m)	2.92	0.0250	"	2.65	ND	110	80-120	8.70	20	
Xylene (o)	1.45	0.0250	"	1.32	ND	110	80-120	5.31	20	
Surrogate: a,a,a-Trifluorotoluene	39.8		ug/kg	40.0		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	46.4		"	40.0		116	80-120			

Plains All American EH & S  
1301 S. County Road 1150  
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Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

**Reported:**  
12/27/05 13:39

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch EL51902 - General Preparation (Prep)</b>									
<b>Blank (EL51902-BLK1)</b>		Prepared: 12/16/05 Analyzed: 12/19/05							
% Solids	100		%						
<b>Duplicate (EL51902-DUP1)</b>		<b>Source: 5L16001-01</b>		Prepared: 12/16/05 Analyzed: 12/19/05					
% Solids	96.5		%		95.8		0.728	20	
<b>Duplicate (EL51902-DUP2)</b>		<b>Source: 5L16002-09</b>		Prepared: 12/16/05 Analyzed: 12/19/05					
% Solids	90.7		%		91.3		0.659	20	
<b>Duplicate (EL51902-DUP3)</b>		<b>Source: 5L16007-03</b>		Prepared: 12/16/05 Analyzed: 12/19/05					
% Solids	91.8		%		91.7		0.109	20	
<b>Batch EL52103 - Water Extraction</b>									
<b>Blank (EL52103-BLK1)</b>		Prepared: 12/20/05 Analyzed: 12/21/05							
Chloride	ND	0.500	mg/kg						
<b>LCS (EL52103-BS1)</b>		Prepared: 12/20/05 Analyzed: 12/21/05							
Chloride	8.22		mg/L	10.0		82.2 80-120			
<b>Calibration Check (EL52103-CCV1)</b>		Prepared: 12/20/05 Analyzed: 12/21/05							
Chloride	8.35		mg/L	10.0		83.5 80-120			
<b>Duplicate (EL52103-DUP1)</b>		<b>Source: 5L20004-01</b>		Prepared: 12/20/05 Analyzed: 12/21/05					
Chloride	391	5.00	mg/kg		418		6.67	20	

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

Project: Platinum Pope #35  
Project Number: EMS: #2005-00275  
Project Manager: Camille Reynolds

Fax: (432) 687-4914

**Reported:**  
12/27/05 13:39

### Notes and Definitions

S-06      The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

S-04      The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

J          Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

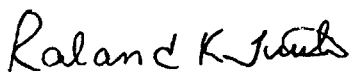
RPD      Relative Percent Difference

LCS      Laboratory Control Spike

MS      Matrix Spike

Dup      Duplicate

Report Approved By:



Date:

12/27/2005

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 I, Ltd.

12600 West I-20 East  
Odessa, Texas 79763

Phone: 915-563-1800  
Fax: 915-563-1713

Project Manager: KEN DUTTON  
Company Name: Basin Env SVC  
Company Address: P.O. Box 301  
City/State/Zip: LOVINGTON, NM 88260  
Telephone No: (505) 443-2124  
Fax No: (505) 369-1429  
Sampler Signature: [Signature]

Project Name: PLATINUM POPE #35  
Project #: EMS: 2005-00275  
Project Loc: LEA COUNTY, NM  
PO #: PAA/C. REYNOLDS

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative	Matrix	Other (Specify)	Water	Sludge	Soil	Other (Specify)	TPH: 418.1 1005 1006	Carbon (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Bertholides	STEX 8021 B/5030	RCI	NORM	Total Gamma	CHL (300.1)	RUSH TAT (Pre-Schedule)	Standard TAT
01	SOUTH S/W 1.5'	14 DEC	0928	1	HNO3							X							X						X
02	NORTH S/W 1.5'		0931																						
03	R/P FLR EAST 6"		0935																						
04	MED FLR 2'		0937																						
05	WEST FLR 3'		0941																						
06	WEST S/W 2'		0944																						
07	POOLING AREA 6'		0949																						
08	POOLING AREA S/W 3'		0951																						
09	STCKP		1005																						

Special Instructions:

Requisitioned by: [Signature] Date: 14 DEC 2005 Time: 1142  
Received by: [Signature] Date: 12/19/05 Time: 5:30

Requisitioned by: [Signature] Date: 12/19/05 Time: 5:30  
Received by: [Signature] Date: 12/19/05 Time: 5:30

Sample Containers Intact? 0 N  
Temperature Upon Receipt: 40.2  
Laboratory Comments: seals (label)

# Environmental Lab of Texas

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

Client: Basin Env./Plains

Date/Time: 12/15/05 5:30

Order #: 5416004

Initials: CK

### Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	-2.6 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

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### Variance Documentation:

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
Regarding: \_\_\_\_\_

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Corrective Action Taken:

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised October 10, 2003

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

**Release Notification and Corrective Action**

**OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company Plains Marketing, LP	Contact Camille Reynolds	
Address 3112 W. US Hwy 82, Lovington, NM 88260	Telephone No. 505-441-0965	
Facility Name Platinum Pope #35	Facility Type Truck Station	
Surface Owner Dickie Wheeler	Mineral Owner	Lease No.

**LOCATION OF RELEASE**

Unit Letter H	Section 35	Township 14S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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Latitude 33° 03' 52.4" Longitude 103° 10' 05.7"

**NATURE OF RELEASE**

Type of Release Sweet Crude Oil	Volume of Release 12 barrels	Volume Recovered 0 barrels
Source of Release Truck over flow	Date and Hour of Occurrence 11-30-05 @07:40	Date and Hour of Discovery 11-30-05@7:45
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 11-30-05@14:30	
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.\* Driver was loading his truck through lact unit and let his trailer overfill causing release of sweet crude oil. The gravity of the crude oil is 45. The H<sub>2</sub>S content of the oil is less than 10 parts per million.

Describe Area Affected and Cleanup Action Taken.\* The impacted soil was excavated and stockpiled on plastic. The aerial extent of surface impact was approximately 790 square feet.

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>	<b>OIL CONSERVATION DIVISION</b>	
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: 12-02-05	Phone: 505-441-0965	

\* Attach Additional Sheets If Necessary