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Effective Solutions

SOIL REMEDIATION
and
CLOSURE REQUEST

PLAINS MARKETING, L.P.
Lea Station 8" Loop Line
Lea County, New Mexico
Plains EMS # 2005-00078
UNIT H (SE ¼, NE ¼), Section 17, Township 22S, Range 37E
Latitude 32°, 23', 42.1" North, Longitude 103°, 10', 43.6" West

Prepared For:

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

Prepared By:
Basin Environmental Service Technologies, LLC

July 27, 2005

Rozanne Johnson
Basin Environmental Service Technologies, LLC

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INTRODUCTION

Basin Environmental Service Technologies, LLC (Basin), responded and clamped the pipeline release for Plains Marketing, L.P. (Plains), located on the Lea Station 8" Loop Line Pipeline on March 28, 2005. The impacted soils were excavated and temporarily stockpiled on a poly liner.

This site is located in Unit H (SE ¼, NE ¼), Section 17, Township 22 South, Range 37 East, in Lea County, New Mexico (topographic Site Location Map is attached as Figure 1). The site is located at latitude 32°, 23', 42.1" North and longitude 103°, 10', 43.6" West. The site is characterized by a right-of-way for the pipeline in an undulating sand dune pasture utilized for cattle grazing. The visible surface stained area includes the release point covering an area approximately 45 feet long by 58 feet wide. Approximately 6 barrels of crude oil were released from the Plains Pipeline and 1 barrel was recovered.

An Emergency One-Call was initiated March 28, 2005 and all responding companies either cleared or marked their respective lines. Subsequent renewals of the one-call have been accomplished as required.

The affected land is owned by the Millard Deck Estates. Mr. Tim Walters, Executor, Bank of America in Midland, Texas was notified of the release and subsequent remedial actions. The ranch foreman, Mr. Larry Strain, was notified and has made numerous visits to the release site. Mr. Strain was briefed on the continuing actions and is satisfied with the information he has been provided. Mr. Leo "Flap" Sims, Environmental Coordinator for the Millard Deck Estates, was also notified on the release and concurred with the remedial actions that have been proposed and completed.

Mr. Larry Johnson, New Mexico Oil Conservation Division (NMOCD), Hobbs, New Mexico District 1, was verbally notified of the release on March 28, 2005. A C-141 form, dated March 31, 2005 was completed by Plains and submitted to the NMOCD, Hobbs, New Mexico Office (see Appendix D, NMOCD C-141).

SUMMARY OF FIELD ACTIVITIES

On March 28, 2005, Basin responded to a pipeline release located on the Lea Station 8" Loop Line Pipeline to clamp and contain the crude oil pipeline release under the direction of Plains operations personnel.

The release point and flow path were excavated removing impacted soils to dimensions approximately 45 feet long by 58 feet wide and 1.5 to 8 feet below ground surface (bgs) (see Figure 2, Site Map). All excavated soils were placed on a poly liner for future remedial action. On March 28, 2005 excavation of the visually stained area on the caliche lease road adjacent to the pipeline right-of-way was accomplished and confirmation soil samples were collected for

laboratory analysis. Following the collection of the confirmation soil samples, the caliche lease road was backfilled for safety concerns. The visually stained flow path was excavated and conformation samples were collected and delivered to the laboratory for analysis on April 13, 2005. The confirmation soil samples collected were screened with a Photoionization Detector (PID), (see Figure 2, Site Map) and soil screening results indicated no detectable Volatile Organic Compounds (VOC) existed. All selected soil samples 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 confirmation soil samples indicate that the walls and floor of the excavated area are below NMOCD regulatory standards (see Table 1, Soil Chemistry Table).

A request for backfilling the excavation was proposed to Mr. Larry Johnson, NMOCD Hobbs Office on May 16, 2005 and verbally approved (Appendix C Request Approval for Backfill of Excavation). Mr. Leo "Flap" Sims, Environmental Coordinator for the Millard Deck Estates concurred with the request for backfilling the excavation. Backfill material was obtained from the Millard Deck Estates.

NEW MEXICO OIL CONSERVATION DIVISION (NMOCD) SOIL CLASSIFICATION

A search of the New Mexico State Engineers database revealed no groundwater depth information for section 17. However, section 9 in the same Township and Range contains groundwater information revealing an average depth to groundwater of 90 feet bgs. 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 10 – 19, which sets the remediation levels at:

Benzene:	10 ppm
BTEX:	50 ppm
TPH:	1000 ppm

DISTRIBUTION OF HYDROCARBONS IN THE UNSATURATED ZONE

The release point and flow path areas were excavated to depths of approximately 1.5 feet bgs to 8 feet bgs (see figure 2 site map) and no visual evidence of crude oil impact was evident on the floor or sidewalls following the completion of the excavation. PID readings indicated no detectable concentrations of Volatile Organic Compounds (VOC) remained on the floor or sidewalls of the excavation. Confirmation soil samples were collected from the excavation on March 28, 2005 and April 13, 2005; and were analyzed for concentrations of BTEX and TPH. Laboratory data sheets and chain-of-custody forms are attached (Appendix B).

Analytical results indicated detectable BTEX concentrations were below NMOCD regulatory standards for the Release Point Bottom and West Excavation East Side Wall (S/W) soil samples at a depth of 6 and 4 feet bgs, respectively. Analytical results indicated BTEX concentrations were not detected above the laboratory detection limits for the remaining confirmation soil samples. Analytical results indicated detectable TPH concentrations were below NMOCD regulatory standards for Release Point South S/W, West Excavation Bench and West Excavation North S/W at a depth of 3, 4 and 4 feet bgs, respectively. Analytical results indicated TPH concentrations were not detected above the laboratory detection limits on the remaining confirmation soil samples.

RECOMMENDATIONS FOR REMEDIATION/CLOSURE

Approximately 324 cubic yards of impacted soil was excavated and stockpiled on-site resulting from the emergency response. The impacted soil was transported to the Plains Lea Station Landfarm (LSLF). A permit (NMOCD Form C-138) was obtained from the NMOCD for the trucking of the contaminated soils to LSLF. A request for backfilling the exaction was proposed to Mr. Larry Johnson, NMOCD Hobbs Office on May 16, 2005 and verbally approved (Appendix C Request Approval for Backfill of Excavation). The backfill material was obtained from the landowner Millard Deck Estate, and the excavation was contoured to match the original rangeland grade surrounding the site and will be reseeded this fall with the landowners approved grass seed.

Based on the results of the remediation activities conducted, Basin, on behalf of Plains, requests that the NMOCD consider this site as eligible for closure under the *New Mexico Oil Conservation Division Guidelines for Remediation of Leaks, Spills and Releases (1993).* If the NMOCD concurs with this recommendation, please provide Plains with a letter stating no further action is required.

QA/QC PROCEDURES

Soil Sampling

Soil samples were delivered to Environmental Lab of Texas, Inc. in Odessa, Texas for BTEX, TPH analyses using the methods described below. Soil samples were analyzed for BTEX, TPH-GRO/DRO within fourteen days following the collection date.

The soil samples were analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030
- TPH concentrations in accordance with modified EPA Method 8015M GRO/DRO

Decontamination Of Equipment

Cleaning of the sampling equipment will be the responsibility of the environmental technician. Prior to use, and between each sample, the sampling equipment will be cleaned with Liqui-Nox® detergent and rinsed with distilled water.

Laboratory Protocol

The laboratory will be responsible for proper QA/QC procedures after signing the chain-of-custody form. These procedures will be either transmitted with the laboratory reports or are on file at the laboratory.

LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this Soil Remediation and Closure Request 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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Tables

Tables 1
Soil Chemistry Table

TABLE 1

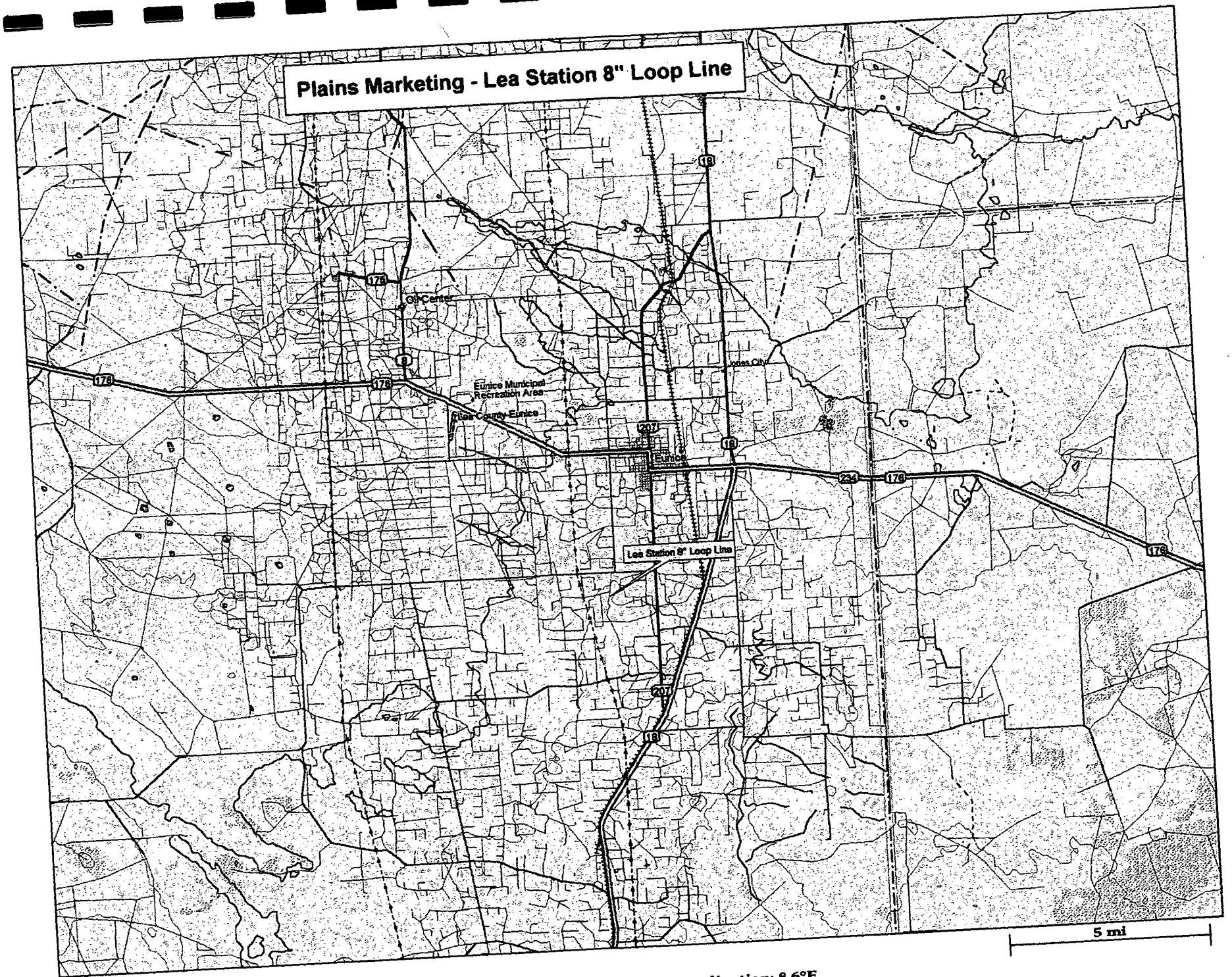
SOIL CHEMISTRY

PLAINS MARKETING, L.P.
LEA STATION 8" LOOP LINE
LEA COUNTY, NEW MEXICO
EMS: 2005-00078

SAMPLE LOCATION	SAMPLE DEPTH (Below normal surface depth)	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M		TOTAL TPH	300.0
			BENZENE	TOLUENE	ETHYL-BENZENE	M,P-XYLENES	O-XYLENE	GRO	DRO		CHLORIDE
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Road Backfill	6" bgs	03/28/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	
Road East S/W	1.5' bgs	03/28/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	
Road West S/W	1.5' bgs	03/28/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	
Road Bottom	2.5' bgs	03/28/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	
Release Point East S/W	3' bgs	04/13/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	
Release Point South S/W	3' bgs	04/13/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	39.6	39.6	
Release Point West S/W	3' bgs	04/13/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	
Release Point Bottom	6' bgs	04/13/05	<0.025	0.064	0.035	0.059	<0.025	<10	<10	<10	
Release Point North S/W	3' bgs	04/13/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	
North Wall	3' bgs	04/13/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	
West Excv East S/W	4' bgs	04/13/05	<0.025	<0.025	0.032	0.047	<0.025	<10	<10	<10	
West Excv West S/W	4' bgs	04/13/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	17.5
West Excv Btm 8'	8' bgs	04/13/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	
West Excv South S/W	4' bgs	04/13/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	
West Excv Bnch	4' bgs	04/13/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	40.4	40.4	
West Excv North S/W	4' bgs	04/13/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	26.9	26.9	
NMOCD Criteria			**10**	**TOTAL BTEX 50**						**100**	

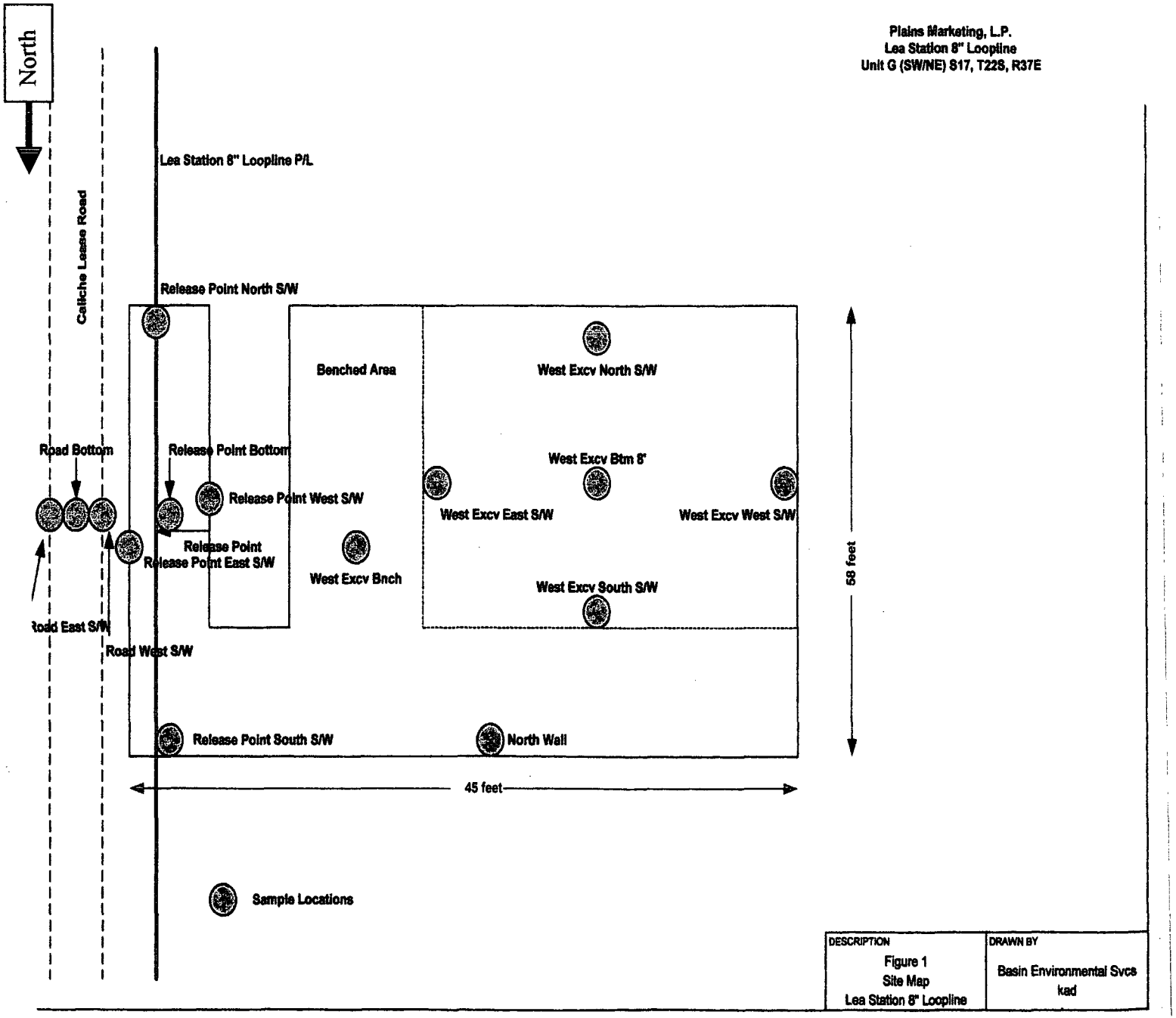
Figures

Figure 1
Site Location Map

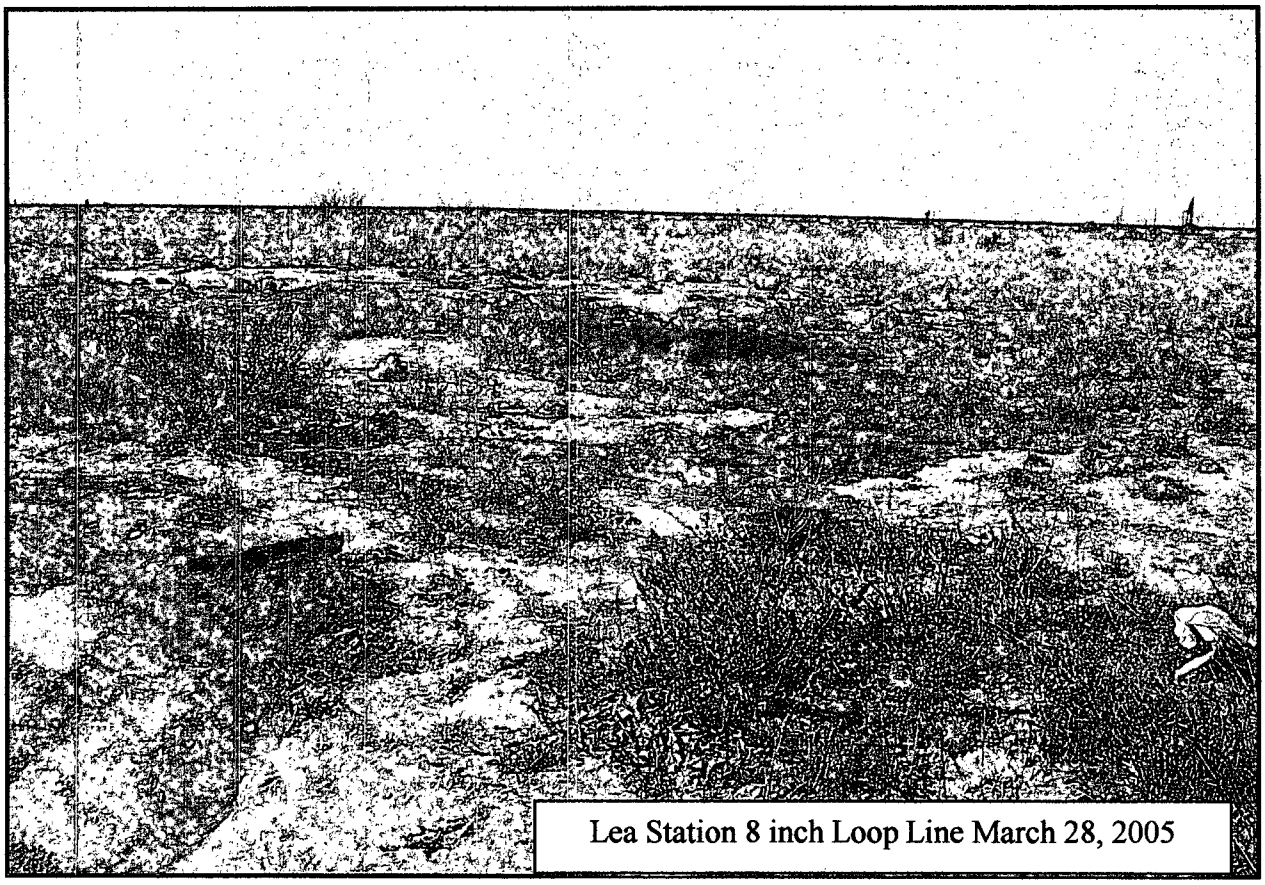


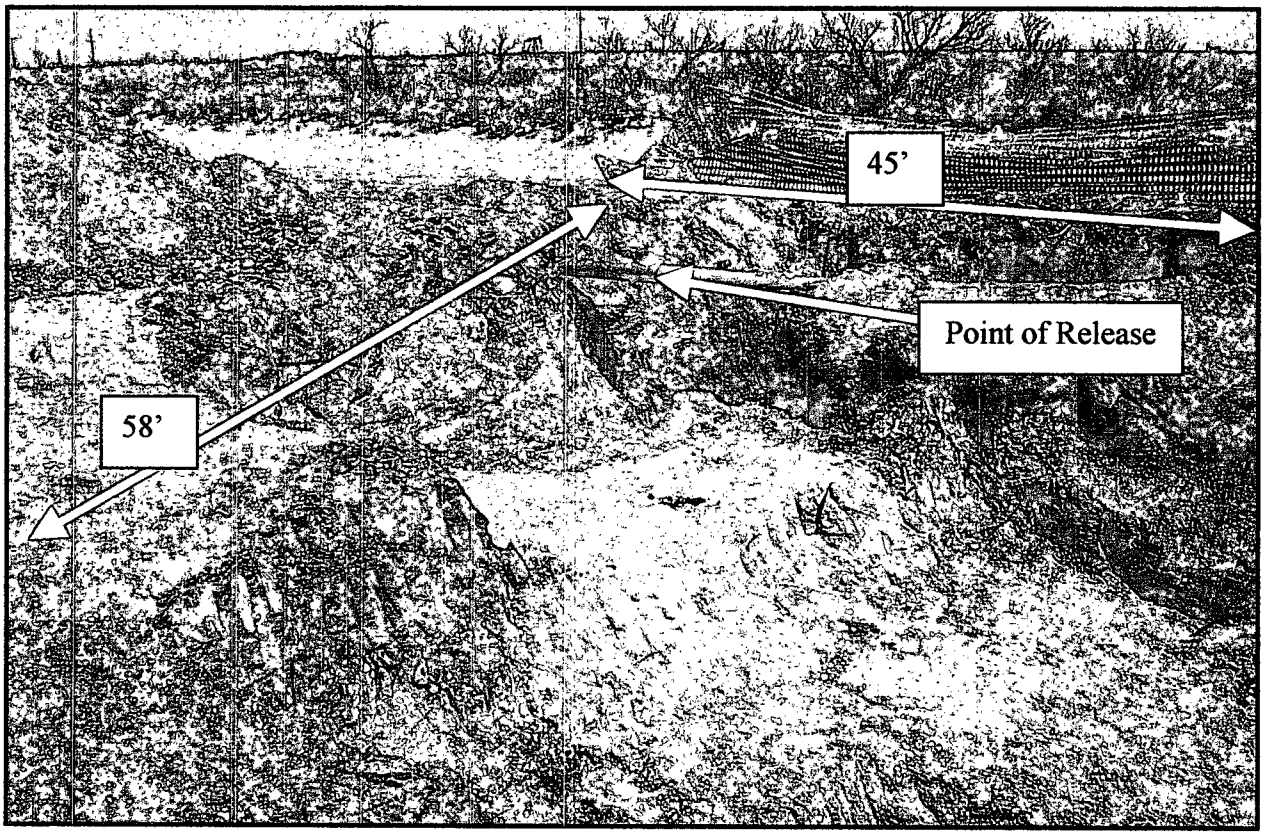
Scale: 1 : 200,000 Zoom Level: 10-0 Datum: WGS84 Map Rotation: 0° Magnetic Declination: 8.6°E

Figure 2
Site Map


North
Plains Marketing, L.P.
Lea Station 8" Loopline
Unit G (SW/NE) S17, T22S, R37E
Lea Station 8" Loopline P/L
Caliche Lease Road
Release Point North S/W
Benched Area
West Excv North S/W
Road Bottom
Release Point Bottom
West Excv Btm 8'
Release Point West S/W
West Excv East S/W
West Excv West S/W
Release Point
Release Point East S/W
West Excv Bnch
West Excv South S/W
Road East S/W
Road West S/W
58 feet
Release Point South S/W
North Wall
45 feet
Sample Locations
DESCRIPTION
Figure 1
Site Map
Lea Station 8" Loopline
DRAWN BY
Basin Environmental Svcs
kad

Digital Photos


Lea Station 8 inch Loop Line March 28, 2005


45'
Point of Release
58'

Lea Station 8 inch Loop Line after backfilling with clean fill.

Appendices

Appendix A
New Mexico Office of the State Engineer
Water Well Database Report

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 22S Range: 37E Sections: 8,20,7,9,19,21

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

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

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 03/29/2005

							(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
CP	22S	37E	09				2	85	94	90
CP	22S	37E	21				1	65	65	65

Record Count: 3

Appendix B
Environmental Laboratory of Texas
Analytical Results

ENVIRONMENTAL LAB OF

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: Lea Station 8inch Loopline

Project Number: EMS: 2005-00078

Location: Lea County, NM

Lab Order Number: 5C30016

Report Date: 04/05/05

Plains All American EH & S	Project: Lea Station 8inch Loopline	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00078	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/05/05 10:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Road Backfill	5C30016-01	Soil	03/28/05 16:30	03/30/05 15:53
Road East S/W	5C30016-02	Soil	03/28/05 16:40	03/30/05 15:53
Road West S/W	5C30016-03	Soil	03/28/05 16:45	03/30/05 15:53
Road Bottom	5C30016-04	Soil	03/28/05 16:55	03/30/05 15:53

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Plains All American EH & S	Project: Lea Station 8inch Loopline	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00078	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/05/05 10:19

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Road Backfill (5C30016-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC53114	03/30/05	03/31/05	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		*117 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.7 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED50106	03/30/05	03/31/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.4 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*81.8 %*	*70-130*		"	"	"	"	
Road East S/W (5C30016-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC53114	03/30/05	03/31/05	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		*119 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED50106	03/30/05	03/31/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*78.4 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*78.8 %*	*70-130*		"	"	"	"	
Road West S/W (5C30016-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC53114	03/30/05	03/31/05	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		*114 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED50106	03/30/05	03/31/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

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Plains All American EH & S	Project: Lea Station 8inch Loopline	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00078	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/05/05 10:19

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Road West S/W (5C30016-03) Soil									
Surrogate: 1-Chlorooctane		*75.8 %*	*67.6-140*		*ED50106*	*03/30/05*	*03/31/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*76.0 %*	*70-130*		"	"	"	"	
Road Bottom (5C30016-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC53114	03/30/05	03/31/05	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		*105 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED50106	03/30/05	03/31/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*86.4 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*83.4 %*	*70-130*		"	"	"	"	

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1301 S. County Road 1150	Project Number: EMS: 2005-00078	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/05/05 10:19

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Road Backfill (5C30016-01) Soil									
% Moisture	**5.0**	0.1	%	1	EC53112	03/30/05	03/31/05	% calculation	
Road East S/W (5C30016-02) Soil									
% Moisture	**5.8**	0.1	%	1	EC53112	03/30/05	03/31/05	% calculation	
Road West S/W (5C30016-03) Soil									
% Moisture	**6.9**	0.1	%	1	EC53112	03/30/05	03/31/05	% calculation	
Road Bottom (5C30016-04) Soil									
% Moisture	**11.7**	0.1	%	1	EC53112	03/30/05	03/31/05	% calculation	

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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 EC53114 - EPA 5030C (GC)										
Blank (EC53114-BLK1)			Prepared & Analyzed: 03/30/05							
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	*106*		*ug/kg*	*100*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*82.7*		"	*100*		*82.7*	*80-120*			
LCS (EC53114-BS1)			Prepared & Analyzed: 03/30/05							
Benzene	94.8		ug/kg	100		94.8	80-120			
Toluene	103		"	100		103	80-120			
Ethylbenzene	107		"	100		107	80-120			
Xylene (p/m)	239		"	200		120	80-120			
Xylene (o)	117		"	100		117	80-120			
Surrogate: a,a,a-Trifluorotoluene	*116*		"	*100*		*116*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*109*		"	*100*		*109*	*80-120*			
Calibration Check (EC53114-CCV1)			Prepared: 03/30/05 Analyzed: 03/31/05							
Benzene	96.4		ug/kg	100		96.4	80-120			
Toluene	100		"	100		100	80-120			
Ethylbenzene	99.1		"	100		99.1	80-120			
Xylene (p/m)	221		"	200		110	80-120			
Xylene (o)	109		"	100		109	80-120			
Surrogate: a,a,a-Trifluorotoluene	*120*		"	*100*		*120*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*86.4*		"	*100*		*86.4*	*80-120*			
Matrix Spike (EC53114-MS1)	**Source: 5C30016-03**		Prepared: 03/30/05 Analyzed: 03/31/05							
Benzene	97.4		ug/kg	100	ND	97.4	80-120			
Toluene	105		"	100	ND	105	80-120			
Ethylbenzene	113		"	100	ND	113	80-120			
Xylene (p/m)	238		"	200	ND	119	80-120			
Xylene (o)	113		"	100	ND	113	80-120			
Surrogate: a,a,a-Trifluorotoluene	*112*		"	*100*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*118*		"	*100*		*118*	*80-120*			

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 EC53114 - EPA 5030C (GC)										
Matrix Spike Dup (EC53114-MSD1)	**Source: 5C30016-03**			Prepared: 03/30/05 Analyzed: 03/31/05						
Benzene	96.4		ug/kg	100	ND	96.4	80-120	1.03	20	
Toluene	103		"	100	ND	103	80-120	1.92	20	
Ethylbenzene	107		"	100	ND	107	80-120	5.45	20	
Xylene (p/m)	237		"	200	ND	118	80-120	0.844	20	
Xylene (o)	117		"	100	ND	117	80-120	3.48	20	
Surrogate: a,a,a-Trifluorotoluene	*116*		"	*100*		*116*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*116*		"	*100*		*116*	*80-120*			
Batch ED50106 - Solvent Extraction (GC)										
Blank (ED50106-BLK1)				Prepared: 03/30/05 Analyzed: 03/31/05						
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	*37.2*		*mg/kg*	*50.0*		*74.4*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*35.8*		"	*50.0*		*71.6*	*70-130*			
LCS (ED50106-BS1)				Prepared: 03/30/05 Analyzed: 03/31/05						
Gasoline Range Organics C6-C12	414	10.0	mg/kg wet	500		82.8	76.3-104			
Diesel Range Organics >C12-C35	493	10.0	"	500		98.6	76.1-118			
Total Hydrocarbon C6-C35	907	10.0	"	1000		90.7	81.8-105			
Surrogate: 1-Chlorooctane	*38.9*		*mg/kg*	*50.0*		*77.8*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*36.5*		"	*50.0*		*73.0*	*70-130*			
Calibration Check (ED50106-CCV1)				Prepared: 03/30/05 Analyzed: 03/31/05						
Gasoline Range Organics C6-C12	476		mg/kg	500		95.2	80-120			
Diesel Range Organics >C12-C35	523		"	500		105	80-120			
Total Hydrocarbon C6-C35	999		"	1000		99.9	80-120			
Surrogate: 1-Chlorooctane	*50.9*		"	*50.0*		*102*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*49.9*		"	*50.0*		*99.8*	*70-130*			

Plains All American EH & S	Project: Lea Station 8inch Loopline	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00078	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/05/05 10:19

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 ED50106 - Solvent Extraction (GC)										
Matrix Spike (ED50106-MS1)	**Source: 5C30014-03**			Prepared: 03/30/05 Analyzed: 03/31/05						
Gasoline Range Organics C6-C12	503	10.0	mg/kg dry	527	ND	95.4	75.9-114			
Diesel Range Organics >C12-C35	559	10.0	"	527	ND	106	85.3-122			
Total Hydrocarbon C6-C35	1060	10.0	"	1050	ND	101	84.4-115			
Surrogate: 1-Chlorooctane	*49.2*		*mg/kg*	*50.0*		*98.4*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*40.5*		*"*	*50.0*		*81.0*	*70-130*			
Matrix Spike Dup (ED50106-MSD1)	**Source: 5C30014-03**			Prepared: 03/30/05 Analyzed: 03/31/05						
Gasoline Range Organics C6-C12	519	10.0	mg/kg dry	527	ND	98.5	75.9-114	3.13	10.4	
Diesel Range Organics >C12-C35	561	10.0	"	527	ND	106	85.3-122	0.357	10.4	
Total Hydrocarbon C6-C35	1080	10.0	"	1050	ND	103	84.4-115	1.87	7.6	
Surrogate: 1-Chlorooctane	*49.0*		*mg/kg*	*50.0*		*98.0*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*40.8*		*"*	*50.0*		*81.6*	*70-130*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC53112 - General Preparation (Prep)										
Blank (EC53112-BLK1)				Prepared: 03/30/05 Analyzed: 03/31/05						
% Moisture	ND	0.1	%							
Duplicate (EC53112-DUP1)		**Source: 5C30002-01**		Prepared: 03/30/05 Analyzed: 03/31/05						
% Moisture	12.7	0.1	%		12.8			0.784	20	

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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: 4/5/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas I, Ltd.

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: BASIN ENV. SVCS
Company Address: P.O. BOX 301 88260
City/State/Zip: LOVINGTON, NM 88260
Telephone No: (505) 441-2124 Fax No: (505) 396-1429
Sampler Signature: Ken Dutton

Project Name: LEA STATION 8" LOOPLINE
Project #: EMS: 2005-00078
Project Loc: LEA COUNTY, NM
PO #: PAA

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TPH: 418.1 / 8015M / 1005 / 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma			RUSH TAT (Pre-Schedule)	Standard TAT
SC30016																TCLP:							TOTAL:							
-01	ROAD BACKFILL	28MAR	1630	1	X									X		X							X							X
-02	ROAD EAST S/W		1640																											
-03	ROAD WEST S/W		1645																											
-04	ROAD BOTTOM		1655																											

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 0.5°C
Laboratory Comments: 4oz glass on ice w/ L+S seal on cooler

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	30MAR05	1250	Jake Nave	30 Mar 05	1250
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Jake Nave	30 Mar 05	15:53	Jane McMurry	03-30-05	1553

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

Client: Basin Env.

Date/Time: 3/30/05 4:00

Order #: 5C30016

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	0.5 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:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

ENVIRONMENTAL LAB OF

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: Lea Station 8inch Loopline

Project Number: EMS: 2005-00078

Location: Lea County, NM

Lab Order Number: 5D14013

Report Date: 04/21/05

Plains All American EH & S	Project: Lea Station 8inch Loopline	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00078	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/21/05 12:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Release Point East S/W	5D14013-01	Soil	04/13/05 12:00	04/14/05 15:30
Release Point South S/W	5D14013-02	Soil	04/13/05 12:15	04/14/05 15:30
Release Point West S/W	5D14013-03	Soil	04/13/05 12:30	04/14/05 15:30
Release Point Bottom	5D14013-04	Soil	04/13/05 12:45	04/14/05 15:30
Release Point North S/W	5D14013-05	Soil	04/13/05 13:00	04/14/05 15:30
North Wall	5D14013-06	Soil	04/13/05 13:15	04/14/05 15:30
West Excv East S/W	5D14013-07	Soil	04/13/05 13:30	04/14/05 15:30
West Excv West S/W	5D14013-08	Soil	04/13/05 13:45	04/14/05 15:30
West Excv Btm 8'	5D14013-09	Soil	04/13/05 14:00	04/14/05 15:30
West Excv South S/W	5D14013-10	Soil	04/13/05 14:15	04/14/05 15:30
West Excv BN @ H	5D14013-11	Soil	04/13/05 14:30	04/14/05 15:30
West Excv North S/W	5D14013-12	Soil	04/13/05 14:45	04/14/05 15:30

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S	Project: Lea Station 8inch Loopline	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00078	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/21/05 12:34

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Release Point East S/W (5D14013-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51906	04/18/05	04/18/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**J [0.0212]**	0.0250	"	"	"	"	"	"	J
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*86.6 %*	*70-130*		"	"	"	"	
Release Point South S/W (5D14013-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51906	04/18/05	04/18/05	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		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.6 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [6.97]**	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	J
Diesel Range Organics >C12-C35	**39.6**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**39.6**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*92.0 %*	*70-130*		"	"	"	"	
Release Point West S/W (5D14013-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51906	04/18/05	04/18/05	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		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.1 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Release Point West S/W (5D14013-03) Soil									
Surrogate: 1-Chlorooctane		*81.8 %*	*70-130*		*ED51514*	*04/15/05*	*04/16/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*92.0 %*	*70-130*		"	"	"	"	
Release Point Bottom (5D14013-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51906	04/18/05	04/19/05	EPA 8021B	
Toluene	**0.0647**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0359**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0597**	0.0250	"	"	"	"	"	"	
Xylene (o)	**J [0.0221]**	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*119 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*92.4 %*	*70-130*		"	"	"	"	
Release Point North S/W (5D14013-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51906	04/18/05	04/18/05	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		*115 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*88.8 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
North Wall (5D14013-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51906	04/18/05	04/18/05	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		*117 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*92.8 %*	*70-130*		"	"	"	"	
West Excv East S/W (5D14013-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51906	04/18/05	04/18/05	EPA 8021B	
Toluene	**ND**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0320**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0470**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*75.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*82.0 %*	*70-130*		"	"	"	"	
West Excv West S/W (5D14013-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51906	04/18/05	04/18/05	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		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
West Excv West S/W (5D14013-08) Soil									
Surrogate: 1-Chlorooctane		*84.2 %*	*70-130*		*ED51514*	*04/15/05*	*04/16/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*89.0 %*	*70-130*		"	"	"	"	
West Excv Btm 8' (5D14013-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51906	04/18/05	04/18/05	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		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*93.8 %*	*70-130*		"	"	"	"	
West Excv South S/W (5D14013-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51906	04/18/05	04/18/05	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		*112 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.1 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*96.2 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
West Excv BN @ H (5D14013-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51906	04/18/05	04/18/05	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		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.9 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [9.02]**	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	J
Diesel Range Organics >C12-C35	**40.4**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**40.4**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*92.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.0 %*	*70-130*		"	"	"	"	
West Excv North S/W (5D14013-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51906	04/18/05	04/19/05	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		*115 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51514	04/15/05	04/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	**26.9**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**26.9**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*93.2 %*	*70-130*		"	"	"	"	

Plains All American EH & S	Project: Lea Station 8inch Loopline	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00078	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/21/05 12:34

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Release Point East S/W (5D14013-01) Soil									
% Moisture	**7.9**	0.1	%	1	ED51901	04/15/05	04/18/05	% calculation	
Release Point South S/W (5D14013-02) Soil									
% Moisture	**10.9**	0.1	%	1	ED51901	04/15/05	04/18/05	% calculation	
Release Point West S/W (5D14013-03) Soil									
% Moisture	**7.2**	0.1	%	1	ED51901	04/15/05	04/18/05	% calculation	
Release Point Bottom (5D14013-04) Soil									
% Moisture	**9.6**	0.1	%	1	ED51901	04/15/05	04/18/05	% calculation	
Release Point North S/W (5D14013-05) Soil									
% Moisture	**7.3**	0.1	%	1	ED51901	04/15/05	04/18/05	% calculation	
North Wall (5D14013-06) Soil									
% Moisture	**3.8**	0.1	%	1	ED51901	04/15/05	04/18/05	% calculation	
West Excv East S/W (5D14013-07) Soil									
% Moisture	**13.8**	0.1	%	1	ED51901	04/15/05	04/18/05	% calculation	
West Excv West S/W (5D14013-08) Soil									
Chloride	**17.5**	5.00	mg/kg	10	ED52011	04/18/05	04/18/05	EPA 300.0	
% Moisture	**9.8**	0.1	%	1	ED51901	04/15/05	04/18/05	% calculation	
West Excv Btm 8' (5D14013-09) Soil									
% Moisture	**7.3**	0.1	%	1	ED51901	04/15/05	04/18/05	% calculation	
West Excv South S/W (5D14013-10) Soil									
% Moisture	**6.7**	0.1	%	1	ED51901	04/15/05	04/18/05	% calculation	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
West Excv BN @ H (5D14013-11) Soil									
% Moisture	**11.5**	0.1	%	1	ED51901	04/15/05	04/18/05	% calculation	
West Excv North S/W (5D14013-12) Soil									
% Moisture	**6.1**	0.1	%	1	ED51901	04/15/05	04/18/05	% calculation	

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 ED51514 - Solvent Extraction (GC)										
Blank (ED51514-BLK1)				Prepared & Analyzed: 04/15/05						
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	*38.6*		*mg/kg*	*50.0*		*77.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.9*		*"*	*50.0*		*75.8*	*70-130*			
LCS (ED51514-BS1)				Prepared & Analyzed: 04/15/05						
Gasoline Range Organics C6-C12	399	10.0	mg/kg wet	500		79.8	75-125			
Diesel Range Organics >C12-C35	411	10.0	"	500		82.2	75-125			
Total Hydrocarbon C6-C35	810	10.0	"	1000		81.0	75-125			
Surrogate: 1-Chlorooctane	*37.8*		*mg/kg*	*50.0*		*75.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.6*		*"*	*50.0*		*71.2*	*70-130*			
Calibration Check (ED51514-CCV1)				Prepared & Analyzed: 04/15/05						
Gasoline Range Organics C6-C12	492		mg/kg	500		98.4	80-120			
Diesel Range Organics >C12-C35	585		"	500		117	80-120			
Total Hydrocarbon C6-C35	1080		"	1000		108	80-120			
Surrogate: 1-Chlorooctane	*63.4*		*"*	*50.0*		*127*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.9*		*"*	*50.0*		*130*	*70-130*			
Matrix Spike (ED51514-MS1)	**Source: 5D14013-01**			Prepared: 04/15/05 Analyzed: 04/16/05						
Gasoline Range Organics C6-C12	468	10.0	mg/kg dry	543	ND	86.2	75-125			
Diesel Range Organics >C12-C35	613	10.0	"	543	ND	113	75-125			
Total Hydrocarbon C6-C35	1080	10.0	"	1090	ND	99.1	75-125			
Surrogate: 1-Chlorooctane	*50.6*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.9*		*"*	*50.0*		*93.8*	*70-130*			
Matrix Spike Dup (ED51514-MSD1)	**Source: 5D14013-01**			Prepared: 04/15/05 Analyzed: 04/16/05						
Gasoline Range Organics C6-C12	492	10.0	mg/kg dry	543	ND	90.6	75-125	5.00	20	
Diesel Range Organics >C12-C35	600	10.0	"	543	ND	110	75-125	2.14	20	
Total Hydrocarbon C6-C35	1090	10.0	"	1090	ND	100	75-125	0.922	20	
Surrogate: 1-Chlorooctane	*50.9*		*mg/kg*	*50.0*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.8*		*"*	*50.0*		*93.6*	*70-130*			

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 ED51906 - EPA 5030C (GC)										
Blank (ED51906-BLK1)				Prepared & Analyzed: 04/18/05						
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	*112*		*ug/kg*	*100*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*84.5*		"	*100*		*84.5*	*80-120*			
LCS (ED51906-BS1)				Prepared & Analyzed: 04/18/05						
Benzene	97.9		ug/kg	100		97.9	80-120			
Toluene	103		"	100		103	80-120			
Ethylbenzene	104		"	100		104	80-120			
Xylene (p/m)	235		"	200		118	80-120			
Xylene (o)	108		"	100		108	80-120			
Surrogate: a,a,a-Trifluorotoluene	*116*		"	*100*		*116*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*101*		"	*100*		*101*	*80-120*			
Calibration Check (ED51906-CCV1)				Prepared: 04/18/05 Analyzed: 04/19/05						
Benzene	107		ug/kg	100		107	80-120			
Toluene	108		"	100		108	80-120			
Ethylbenzene	102		"	100		102	80-120			
Xylene (p/m)	227		"	200		114	80-120			
Xylene (o)	112		"	100		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	*112*		"	*100*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*93.3*		"	*100*		*93.3*	*80-120*			
Matrix Spike (ED51906-MS1)	**Source: 5D15010-01**			Prepared: 04/18/05 Analyzed: 04/19/05						
Benzene	2440		ug/kg	2500	ND	97.6	80-120			
Toluene	2320		"	2500	ND	92.8	80-120			
Ethylbenzene	2250		"	2500	44.3	88.2	80-120			
Xylene (p/m)	5030		"	5000	75.1	99.1	80-120			
Xylene (o)	2500		"	2500	25.4	99.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*113*		"	*100*		*113*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*86.1*		"	*100*		*86.1*	*80-120*			

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 ED51906 - EPA 5030C (GC)										
Matrix Spike Dup (ED51906-MSD1)	**Source: 5D15010-01**			Prepared: 04/18/05 Analyzed: 04/19/05						
Benzene	2460		ug/kg	2500	ND	98.4	80-120	0.816	20	
Toluene	2540		"	2500	ND	102	80-120	9.45	20	
Ethylbenzene	2580		"	2500	44.3	101	80-120	13.5	20	
Xylene (p/m)	5710		"	5000	75.1	113	80-120	13.1	20	
Xylene (o)	2660		"	2500	25.4	105	80-120	5.88	20	
Surrogate: a,a,a-Trifluorotoluene	*115*		"	*100*		*115*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*101*		"	*100*		*101*	*80-120*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED51901 - General Preparation (Prep)										
Blank (ED51901-BLK1)				Prepared: 04/15/05 Analyzed: 04/18/05						
% Moisture	ND	0.1	%							
Duplicate (ED51901-DUP1)	**Source: 5D14013-01**			Prepared: 04/15/05 Analyzed: 04/18/05						
% Moisture	9.0	0.1	%		7.9			13.0	20	
Batch ED52011 - Water Extraction										
Blank (ED52011-BLK1)				Prepared & Analyzed: 04/18/05						
Chloride	ND	0.500	mg/kg							
LCS (ED52011-BS1)				Prepared & Analyzed: 04/18/05						
Chloride	10.7		mg/L	10.0		107	80-120			
Calibration Check (ED52011-CCV1)				Prepared & Analyzed: 04/18/05						
Chloride	10.9		mg/L	10.0		109	80-120			
Duplicate (ED52011-DUP1)	**Source: 5D14016-05**			Prepared & Analyzed: 04/18/05						
Chloride	30.8	5.00	mg/kg		35.9			15.3	20	

Notes and Definitions

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: Raland K Tuttle Date: 4/21/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas I, Ltd.

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: BASIN ENV SVCS
Company Address: P.O. BOX 301
City/State/Zip: LOVINGTON, NM 88260
Telephone No: (505) 441-2124 Fax No: (505) 396-1429
Sampler Signature: Ken Dutton

Project Name: LEA STATION 8" LOOPLINE
Project #: EMS: 2005-000578
Project Loc: LEA COUNTY, NM
PO #: PAA

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify)	Analyze For: TCLP: TPH: 418.1 (8015M) 1005 1006	TOTAL: TPH: 418.1 (8015M) 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma	CHLORIDE 300.1	RUSH TAT (Pre-Schedule)	Standard TAT
SD/4013		2005																											
-01	RELEASE POINT EAST S/W	13APR	1200	1	X									X		X								X					X
-02	RELEASE POINT SOUTH S/W		1215																										
-03	RELEASE POINT WEST S/W		1230																										
-04	RELEASE POINT BOTTOM		1245																								X		
-05	RELEASE POINT NORTH S/W		1300																										
-06	NORTH WALL		1315																										
-07	WEST EXCV EAST S/W		1330																										
-08	WEST EXCV WEST S/W		1345																										
-09	WEST EXCV BTM 8'		1400																										
-10	WEST EXCV SOUTH S/W		1415																										

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 0.5°C
Laboratory Comments: 4oz glass ice w/seals on containers + cooler

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	13APR05	1100	X	X 4/14/05	X 1100
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Cody Bugler	4-14-05	3:30	Jaime Mendoza	04-14-05	1530

Cody Bugler

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

1 of 2

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: BASIN ENV SVCS
Company Address: P.O. BOX 301
City/State/Zip: LOVINGTON, NM 88260
Telephone No: (505) 441-2124 Fax No: (505) 396-1429
Sampler Signature: Ken Dutton

Project Name: LEA STATION 8" LOOPLine
Project #: EMS: 2005-000078
Project Loc: LEA COUNTY, NM
PO #: PAA

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify)	Analyze For: TCLP: TPH: 418.1 (8015M) 1005 1006	Analyze For: TOTAL: TPH: 418.1 (8015M) 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule)	Standard TAT
5D14013		2005																										
-11	WEST EXCV BNCH	13 APR	1430	1	X									X		X								X				X
-12	WEST EXCV NORTH S/W	13 APR	1445	1	X									X		X								X				X

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 0.5°C
Laboratory Comments: 4oz glass once w/seals on containers + cooler

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	13APR05	1100	X	X 4/14/05	X 1100
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	4-14-05	3:30	Joanna McMurrey	04-14-05	1530

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

Client: Plains P/L

Date/Time: 04-14-05 @ 1530

Order #: 5D14013

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	0.5 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:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

Appendix C
Request Approval for Backfill
of Excavation

Verbal OK 5-17-05

Basin Environmental Service Technologies, LLC

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

Effective Solutions

16 May 2005

Mr. Larry Johnson
New Mexico Oil Conservation Division
Hobbs District 1
1625 N. French Drive
Hobbs, New Mexico 88240

Re: Request Approval for Backfill of Excavation
Plains Marketing, L. P. (C-141, dated 31 Mar 05)
Lea Station 8" Loopline
Unit H (SE ¼, NE ¼) Section 17, Township 22 South, Range 37 East
Lea County, New Mexico

Dear Mr. Johnson:

Basin Environmental Services (Basin), on behalf of Plains Marketing, L. P. (Plains), is submitting this request for approval to backfill the Lea Station 8" Loopline remediation site at the above-referenced location. As indicated on the enclosed Soil Chemistry Table and Sampling Location Site Map, all soil samples are below New Mexico Oil Conservation Division (NMOCD) standards (<100 ppm) for the site. Plains and Millard Deck Estates have reached an agreement to purchase backfill from the Estate. The impacted soil will be transported to the Plains Marketing Lea Station Land Farm. A C-138 will be submitted once your approval is received.

Basin responded and clamped the pipeline release on 28 Mar 05, located on the Lea Station 8" Loopline. The impacted soils were excavated and stockpiled on a poly liner. As reported on the C-141, dated 31 Mar 05, approximately six (6) barrels of crude oil were released and one (1) barrel recovered. Excavation of the visually stained area on the caliche lease road was accomplished and soil samples were collected for laboratory analysis. Once the soil samples were collected, the caliche lease road was backfilled for safety concerns. The visually stained flow path was excavated and confirmation soil samples were collected and delivered to the laboratory for analysis. All soil samples reported total petroleum hydrocarbons (TPH) and benzene, toluene, ethyl-benzene and xylenes (BTEX) concentrations below NMOCD standards and backfilling of the site will begin once your approval is received.

Upon completion of the backfilling activities a Site Remediation Report and Closure Request will be submitted to the Hobbs District 1, NMOCD office.

Should you have any questions or comments, please contact me at (505) 441-2124.

Sincerely,

Ken Dutton
Basin Environmental Services

Attachments: Site Map, Sampling Locations
Soil Chemistry Table
NMOCD C-141

Appendix D
NMOCD C-141

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

x Initial Report ☐ Final Report

Name of Company Plains Marketing, LP	Contact Camille Reynolds
Address 5805 East Hwy. 80, Midland, TX 79706	Telephone No. 505-441-0965
Facility Name Lea Station 8" Loop Line	Facility Type 8"Steel Pipeline

Surface Owner Millard Deck Estate	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
H	17	22S	37E					Lea

Latitude 32° 23' 42.1" Longitude 103° 10' 43.6"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 6 barrels	Volume Recovered 1 barrels
Source of Release 8" Steel Pipeline	Date and Hour of Occurrence 3-28-05 @ 08:00	Date and Hour of Discovery 3-28-05 @ 08:25
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Camille Reynolds	Date and Hour 3-28-05 @ 11:00	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

APR 2005 Received Hobbs OCD

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Internal corrosion of the 8" steel pipeline. Forty-two foot of pipe was replaced. The line is an 8 inch steel transmission pipeline that produces approximately 8,000 to 10,000 barrels of crude oil per day. The pressure on the line is approximately 125 psi and the gravity of the sweet crude oil is 39.2. The sweet crude has an H_2S content of <10 ppm

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was approximately 319 ft².

AREAL REVISED: 45 x 85 AREAL 1 1/2' TO 8' DEEP AREAL ONLY: 3825'

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: Camille Reynolds	OIL CONSERVATION DIVISION
Printed Name: Camille Reynolds	Approved by District Supervisor:
Title: Remediation Coordinator	Approval Date: / Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval: / Attached ☐
Date: 3-31-05 Phone:505-441-0965	

Attach Additional Sheets If Necessary