



ENVIRONMENTAL PLUS, INC. *Micro-Blaze Micro-Blaze OutTM*

STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

16 May 2005

Mr. Larry Johnson,
Environmental Engineer Specialist
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, NM 88240

R18
6.30.05
AQ



RE: Closure Proposal for Eunice Booster to Lea - 6" Loop Line
UL-L, NW¼ of the SW ¼ of Section 4, T21S, R36E
Latitude N 32° 30' 44.8" and Longitude W 103° 16' 37.6"
Plains EMS No.: 2004-00198

Dear Mr. Johnson:

In September 2004, a release occurred along the Eunice Booster to Lea - 6" Loop Line. The release of approximately 30 barrels of crude oil, of which 3 barrels were recovered, occurred due to external corrosion of the 6-inch line. Basin Environmental responded to the release on September 16, 2004 to excavate the release point and install a clamp. Basin Environmental continued excavation activities at the site through September 23, 2004, excavating approximately 400 cubic yards (cy) of impacted soil from the release area, the flow path area and the pooling area. The excavated soil was stockpiled on plastic, until a determination could be made as to the remedial method to be utilized to treat the impacted soil. Field analyses of soil samples collected from the excavation areas, utilizing a photoionization detector (PID), indicated that soil impacted above the remedial guideline of 100 parts per million (ppm) via field analyses had been removed from the release area; however, soil impacted above the remedial guidelines remained in the flow path and pooling area.

Plains All American Pipeline retained Environmental Plus, Inc. (EPI) in November 2004 to finish excavating the impacted soil at the site and provide remediation services. This letter report documents the results of the excavation activities and remediation of the impacted soil and recommends the excavation be backfilled.

Site Background

The site is located in the NW¼ of the SW¼ of Section 4, Township 21 South, Range 36 East at an elevation of approximately 3,565 feet above mean sea level (reference *Figures 1 and 2*). The property is owned by the state of New Mexico. A search for area water wells was completed utilizing the New Mexico Office of the State Engineers website. A total of 6 wells were found to be located in the vicinity of the release (i.e., within the eight sections immediately surrounding the subject-property section). The average depth to water in these wells was reported to be approximately 140 feet (reference *Table 2*). No water supply wells or bodies of surface water were found to be located within a 1,000-foot radius of the release location (reference *Figures 1 and 2*). Based on available information it was determined that the distance between the contamination and groundwater was >100 feet. Utilizing this information, it was determined that the New Mexico Oil Conservation Division (NMOCD) Remedial Goals for this site are as follows:

Parameter	Remedial Goal
Benzene	10 parts per million
BTEX	50 parts per million
TPH	5,000 parts per million

ENVIRONMENTAL PLUS, INC.

It should be noted that initially, the remedial guidelines were believed to 1,000 milligrams per kilogram (mg/Kg) based on initial research of depths to groundwater. It was not until excavation activities had been completed that it was determined the depth to groundwater in the area was approximately 140 feet, resulting in approximately 125 feet between the lowest detectable levels of contaminants and the uppermost groundwater bearing unit.

Field Work

EPI was on site from November 1 – 8, 2004 to excavate impacted soil from the flow path and the pooling area (reference Figure 3). Approximately 2,520 additional cubic yards of hydrocarbon impacted soil were excavated and stockpiled on plastic until a determination could be made as to the remedial method to be utilized to treat the impacted soil.

During excavation activities, samples were collected and analyzed in the field utilizing a MiniRae[®] photoionization detector (PID) equipped with a 9.8 electron volt (eV) lamp to indicate when remedial goals had been achieved. Once field analyses indicated soil impacted above the remedial guidelines had been removed, confirmation soil samples were collected from the sidewalls and bottom of the excavation and submitted to Environmental Labs of Texas (ELT) for quantification of benzene, toluene, ethylbenzene, and total xylenes (BTEX), gasoline range organics (GRO) and diesel range organics (DRO).

Initial analytical results indicated soil impacted above the NMOCD remedial guidelines for total petroleum hydrocarbons (TPH) in the south and west sidewalls of the excavation. Based on this, additional excavation activities occurred on December 1, 2004. An additional 100 cubic yards of soil were excavated from the south and west sidewalls of the excavation and samples collected and analyzed in the field for the presence of organic vapors. Field analyses indicated remedial goals had been achieved, so samples were collected and submitted to ELT for quantification of GRO and DRO.

On December 13, 2004, two soil samples were collected from the stockpiled soil and submitted to ELT for quantification of BTEX, GRO and DRO. Based on analytical results of the samples collected from the stockpiled soil it was determined that to remediate the stockpiled soil, approximately 50% of the soil would be transported to Plains Pipeline's Lea Station Landfarm and the remainder blended with clean soil obtained from an offsite source.

Approximately 1,550 cubic yards of hydrocarbon impacted soil were transported to Plains Pipeline's Lea Station Landfarm from February 7 through March 3, 2004 for treatment. The same volume of clean soil was transported to the site and blended with the remaining 1,370 cubic yards of impacted soil.

Upon completion of the blending activities, the stockpiled blended soil was sampled by advancing a series of hand borings in each of the three stockpiles. The stockpiles were split into four quadrants and a soil boring advanced in each quadrant. Soil samples were collected from 3, 6 and 9 feet below the surface and screened in the field for the presence of organic vapors utilizing a MiniRae[®] PID equipped with a 9.8 electron volt (eV). Field analyses indicated the presence of organic vapors ranging from 24.4 parts per million (ppm) to 212 ppm. The samples from each boring were combined to form a composite sample. The composite samples from each boring were combined with a composite sample from an adjacent boring and submitted to ELT for quantification of TPH and BTEX. Composite samples from hand augers BH1 and BH2 from each stockpile were combined to form three composite samples (i.e., north, middle and south stockpiles) and composite samples from hand augers BH3 and BH4 were combined to form three additional composite samples (i.e., north, middle and south stockpiles). In addition, the sample which exhibited the highest PID reading (i.e., NBH2 (6')) was also submitted to Environmental Lab of Texas for quantification of TPH and BTEX.

Analytical Data

Analytical results for the samples collected on November 8, 2004 (i.e., the initial sampling event) indicated soil impacted above the NMOCD remedial goals had been excavated with the exception of the west and south sidewalls of the north excavation. Analytical results for the samples collected from the west and south sidewall indicated TPH concentrations of 2,980 milligrams per kilogram (mg/Kg) and 1,510 mg/Kg, respectively (reference *Table 1*). Benzene and BTEX concentrations were reported at concentrations below the NMOCD remedial guidelines for both these samples. However, at the time these samples were collected, the NMOCD remedial threshold for TPH was projected to be 1,000 mg/Kg. Additional research completed subsequent to the collection of these samples revealed the depth to groundwater to be approximately 140 feet bgs, not the 100 feet originally assumed. Therefore, the contaminant concentrations were below the NMOCD remedial thresholds for this site.

Analytical results for the samples collected from the west and south sidewalls of the south excavation on December 1, 2004, indicated soil impacted above the NMOCD remedial goals had been removed. TPH concentrations for the south and west sidewalls were 6.70 mg/Kg and 205 mg/Kg, respectively (reference *Table 1*).

Analytical results for the soil samples collected from the contaminated soil stockpiled on December 13, 2004, indicated BTEX concentrations of 47,500 micrograms per kilogram (ug/Kg) in the sample collected from the southeast portion of the stockpiled soil and 68,100 ug/Kg in the sample collected from the southwest portion of the stockpiled soil. TPH concentrations for these samples were reported at 12,400 milligrams per kilogram (mg/ Kg) and 15,500 mg/Kg, respectively.

Analytical results for the soil samples collected from the blended stockpiled soil on April 28, 2005, indicated benzene concentrations ranging from non-detectable to 15.5 ug/Kg, BTEX concentrations ranging from 282 ug/ Kg to 1,220 ug/Kg and TPH concentrations ranging from 847 mg/Kg to 1,370 mg/Kg (reference *Table 1*). All analytical results for the samples collected from the blended soil stockpiles were below the NMOCD remedial thresholds for this site.

Conclusions

Based on field and analytical analyses, soil impacted above the NMOCD remedial guidelines has been excavated from the release area/flow path/pooling area. In addition, approximately 1,550 cubic yards of hydrocarbon impacted soil were transported to Plains Pipeline's Lea Station Landfarm for treatment. An equivalent amount of clean soil was hauled to the site and blended with the remaining impacted soil. Field and analytical results indicated that the soil has been blended to below NMOCD remedial thresholds. No further excavation is required at this site. This site is eligible for closure, and all that remains to close the site is backfilling the excavation, grading and contouring the site to allow for natural drainage and reseeding the area with a SLO approved seed mixture.

Recommendations

It is recommended that the excavation be backfilled, the site graded and contoured to allow for natural drainage and reseeded.

Upon your approval, Plains All American Pipeline, L.P. will commence with backfilling the excavation, grading and contouring the site and reseeding the disturbed area.

Mr. Larry Johnson
16 May 2005

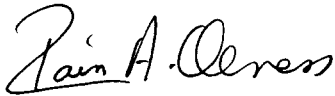
Should you have any questions or concerns, please feel free to contact me at (505) 394-3481 or via e-mail at iolness@hotmail.com. Upon your approval, EPI will initiate the next phase of the remediation. All official correspondence should be submitted to Camille Reynolds at:

Camille Reynolds, Remediation Coordinator
Plains All American Pipeline, L.P.
3112 West Highway 82
Lovington, NM 88260

(505) 441-0965
cjreynolds@paalp.com

Sincerely,

ENVIRONMENTAL PLUS, INC.

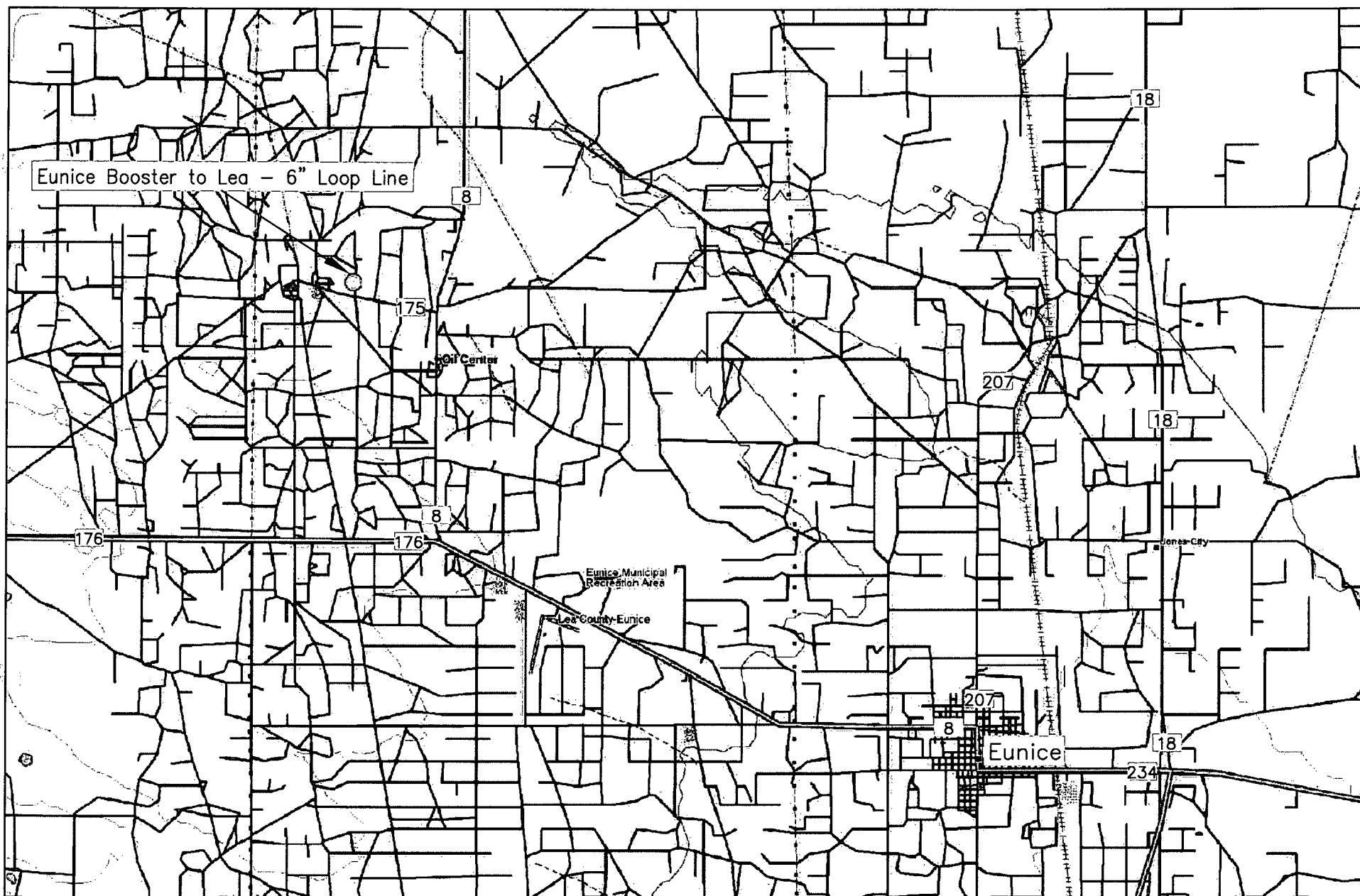


Iain A. Olness, P.G.
Hydrogeologist

cc: Camille Reynolds, Plains – Lovington, NM
Jeff Dann, Plains – Houston, TX
File

encl. Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Site Map
Figure 4 – Excavation Sampling Map
Table 1 – Summary of Soil Analytical Results
Table 2 – Well/Surface Data Report – 11/09/04
Attachment I – Laboratory Results and Chain-of-Custody Forms
Attachment II – Copy of Initial C-141

FIGURES



<p>Figure 1 Area Map Plains All American Pipeline Eunice Booster to Lea - 6" Loop Line</p>	<p>Lea County, New Mexico NW 1/4 of the SW 1/4, Sec. 4, T21S, R36E N 32° 30' 44.8" W 103° 16' 37.6" Elevation: 3,656 feet amsl</p>	<p>DWG By: Iain Olness October 2004</p>	<p>REVISED:</p> <p>SHEET 1 of 1</p>	
--	--	---	---	--

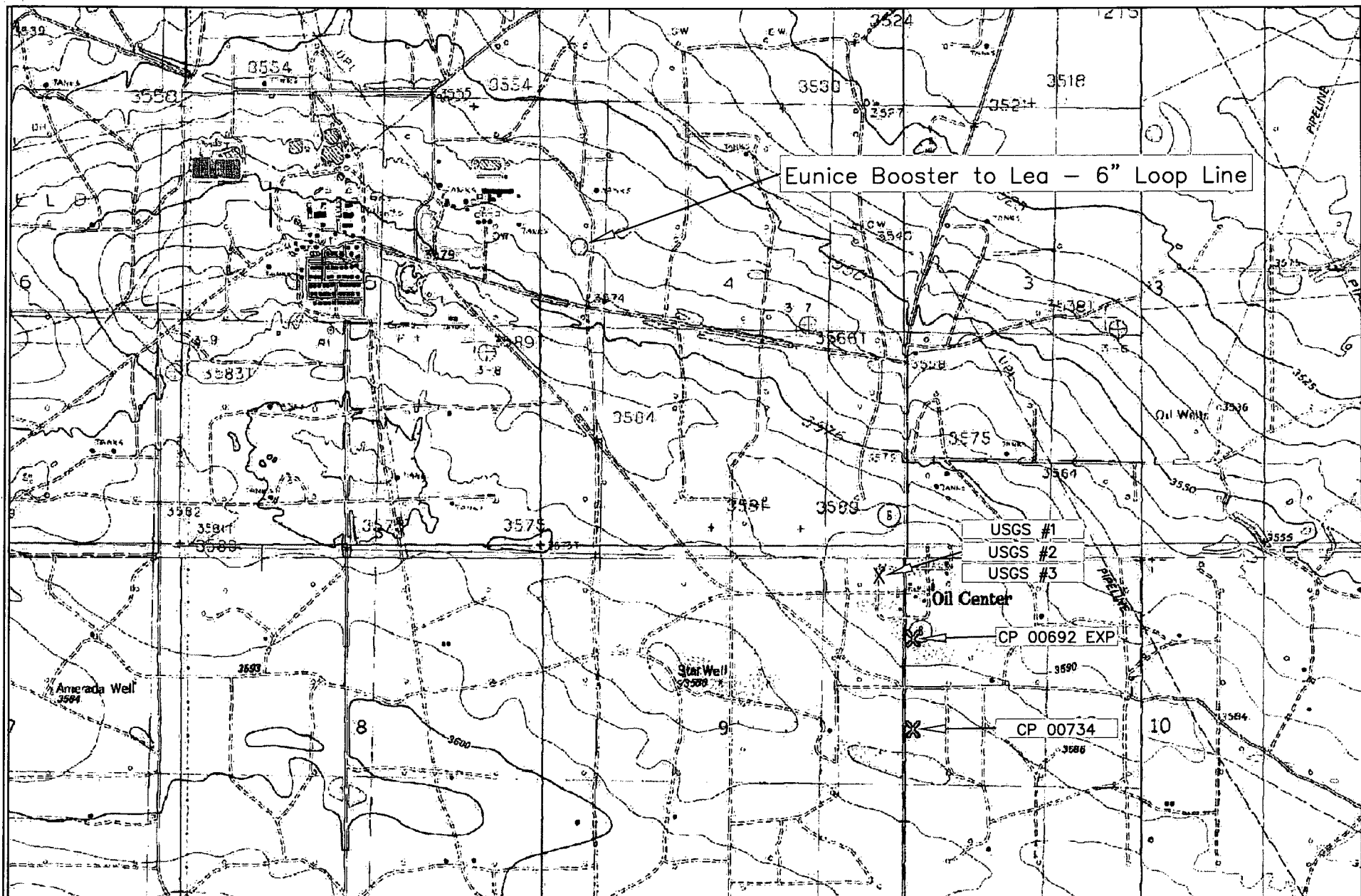
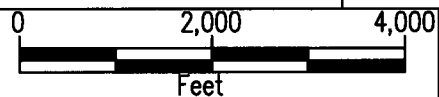


Figure 2
Site and Well Location Map
Plains All American Pipeline
Eunice Booster to Lea - 6" Loop Line

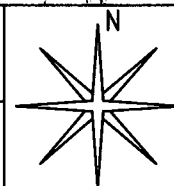
Lea County, New Mexico
NW 1/4 of the SW 1/4, Sec. 4, T21S, R36E
N 32° 30' 44.8" W 103° 16' 37.6"
Elevation: 3,565 feet amsl

DWG By: Iain Olness
October 2004

REVISED:



SHEET
1 of 1



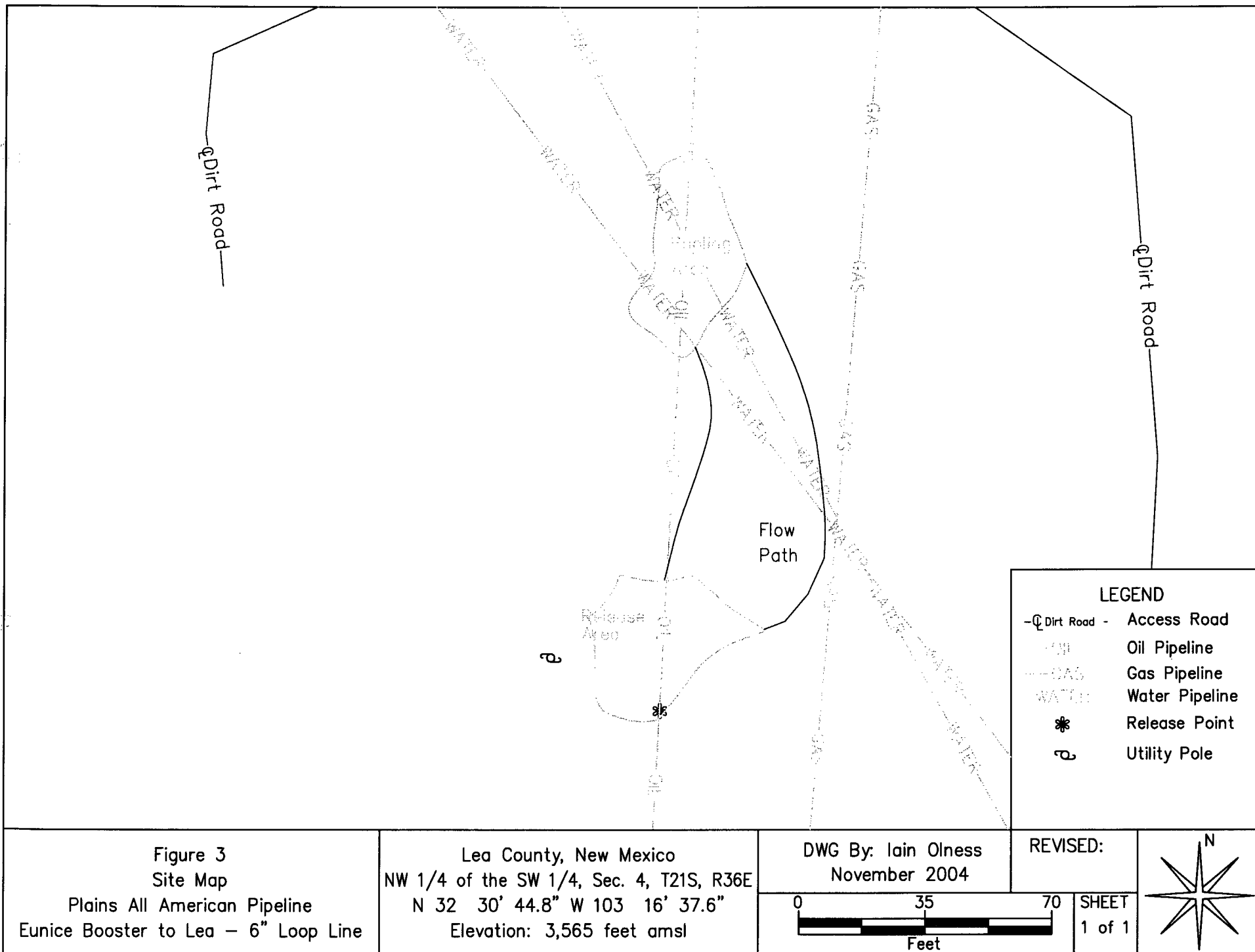
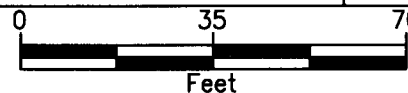


Figure 3
Site Map
Plains All American Pipeline
Eunice Booster to Lea – 6" Loop Line

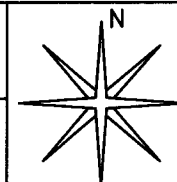
Lea County, New Mexico
NW 1/4 of the SW 1/4, Sec. 4, T21S, R36E
N 32° 30' 44.8" W 103° 16' 37.6"
Elevation: 3,565 feet amsl

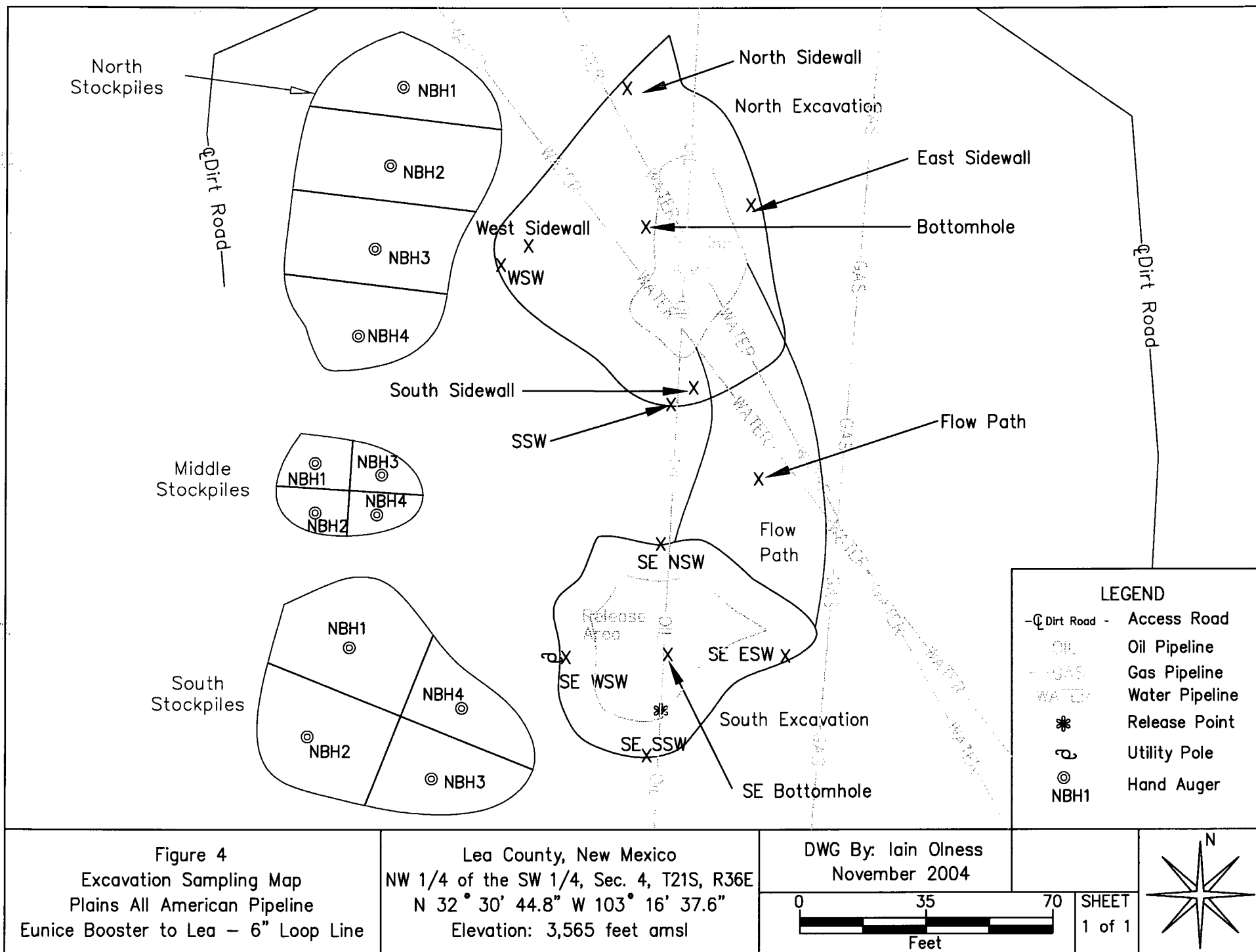
DWG By: Iain Olness
November 2004

REVISED:



SHEET
1 of 1





TABLES

TABLE 1

Summary of Soil Analytical Results

Plains All American Pipeline Eunice Booster to Lea - 6" Loop Line - Ref. #2004-00198

Sample ID	Sample Date	PID Reading (ppm)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethylbenzene (µg/Kg)	m,p-Xylenes (µg/Kg)	o-Xylene (µg/Kg)	Total BTEX (µg/Kg)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	Total TPH (mg/Kg)
North Sidewall	08-Nov-04	NA	<25	16.2	17.1	57.0	12.1	102	25.3	655	680
East Sidewall	08-Nov-04	NA	<25	<25	<25	49.2	15.7	64.9	18.1	189	207
South Sidewall	08-Nov-04	NA	46.0	173	360	1,100	369	2,048	219	1,290	1,510
West Sidewall	08-Nov-04	NA	<25	24.2	37.6	103	27.9	193	14.7	2,960	2,980
Bottomhole	08-Nov-04	NA	16.3	92.9	186	531	159	985	76.8	542	619
Flow Path	08-Nov-04	10.2	<25	17.8	32.0	148.0	56.7	255	27.6	271	299
SE NSW	08-Nov-04	14.9	<25	30.1	43.4	82.9	34.0	190	32.4	162	194
SE SSW	08-Nov-04	5.7	<25	<25	<25	<25	<25	<125	<10	<10	<10
SE ESW	08-Nov-04	5.1	<25	<25	<25	<25	<25	<125	<10	<10	<10
SE WSW	08-Nov-04	7.7	<25	<25	<25	<25	<25	<125	<10	<10	<10
SE BH	08-Nov-04	13.2	<25	<25	<25	<25	<25	<125	15.4	103	118
SSW	01-Dec-04	86.9	NA	NA	NA	NA	NA	NA	<10.0	6.70	6.70
WSW	01-Dec-04	10.9	NA	NA	NA	NA	NA	NA	13.2	192	205
SE Stockpile	13-Dec-04	NA	743	5,950	7,350	25,400	8,100	47,500	2,570	9,790	12,400
SW Stockpile	13-Dec-04	NA	1,650	12,500	10,700	33,200	10,000	68,100	3,310	12,200	15,500
E Half of M Stockpile	28-Apr-05	NA	15.5 ⁴	93.5	121	203	110	543	206	1,160	1,370
W Half of M Stockpile	28-Apr-05	NA	<25.0	41.6	68.2	116	56.0	282	132	881	1,010
N BH2 (6')	28-Apr-05	NA	<25.0	102	150	247	146	645	200	1,010	1,210
S Half of N Stockpile	28-Apr-05	NA	<25.0	54.0	96.5	133	97.0	381	121	726	847
E Half of S Stockpile	28-Apr-05	NA	11.3 ⁴	132	160	707	206	1,220	203	1,030	1,230
W Half of S Stockpile	28-Apr-05	NA	<25.0	111	160	655	178	1,104	223	1,120	1,340
N Half of N Stockpile	28-Apr-05	NA	13.3 ⁴	129	154	624	143	1,060	207	887	1,090
NMOCD Remedial Thresholds		100³	10,000					50,000			5,000

¹ Red, bolded values are in excess of the NMOCD Remediation Thresholds² NA : Not Analyzed³ In lieu of laboratory analyses of benzene, toluene, ethylbenzene and total xylenes.

TABLE 2

WELL / SURFACE DATA REPORT - 10/28/04*

Plains All American Pipeline Eunice Booster to Lea - 6" Loop Line (Ref #200-00198)

Well Number	Diversion ^A	Owner	Use	Source	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation ^B	Depth to Water (ft bgs)
USGS #1					21 S	36 W	9 2 2 2			18-Mar-68	3,595	119.36
USGS #2					21 S	36 W	9 2 2 2			28-Feb-96	3,595	200.43
USGS #3					21 S	36 W	9 2 2 2			20-Mar-86	3,595	203.72
CP 00692 EXP	0	W. L. Van Noy	DOM		21 S	36 E	10 1 1 3	N 32° 29' 48.76"	W 103° 15' 40.54"		3,595	
CP 00734	3	W. L. Van Noy	DOM	Shallow	21 S	36 E	10 1 1	N 32° 29' 35.71"	W 103° 15' 40.54"	22-Jun-88	3,585	200
USGS #4					20 S	37 E	31 4 4 4			1-Mar-61	3,540	36.73
USGS #5					20 S	37 E	31 3 2 2			15-Jan-71	3,535	79.07
L 07108 EXP	0	Northern Natural Gas	SAN		20 S	37 E	33 1 2 2	N 32° 31' 58.89"	W 103° 15' 36.82"		3,520	
L 07355	3	Northern Natural Gas	SAN	Shallow	20 S	37 E	33 1 2 2	N 32° 31' 58.89"	W 103° 15' 36.82"	4-Jul-75	3,530	120
L 08157	3	Northern Natural Gas	SAN	Shallow	20 S	37 E	33 1 2 2	N 32° 31' 58.89"	W 103° 15' 36.82"	8-Oct-79	3,530	275
CP 00475 EXP	0	Ross Robinson	STK		21 S	36 E	30 4 2 2	N 32° 26' 46.01"	W 103° 17' 59.18"		3,620	
CP 00484 (E)	3	Northern Natural Gas	SAN	Shallow	21 S	36 E	25 4 2	N 32° 26' 45.99"	W 103° 12' 51.03"	20-Jul-70	3,535	148
CP 00490 EXP	0	U. R. Cattle Company	STK		21 S	36 E	19 2 3	N 32° 27' 51.41"	W 103° 18' 14.75"		3,650	
CP 00505	3	Snyder Ranches, Ltd.	STK		21 S	36 E	16 2	N 32° 28' 43.53"	W 103° 16' 11.43"	10-Jul-72	3,605	195
CP 00664	3	Dove Broadcasting, Inc.	SAN	Shallow	21 S	36 E	23 2	N 32° 27' 51.27"	W 103° 14' 7.98"	25-May-84	3,537	150
CP 00676	0	Joe E. Sims	DOM	Shallow	21 S	36 E	18 4 4 1	N 32° 28' 17.46"	W 103° 17' 59.37"	30-Apr-93	3,570	106
CP 00685 ENLRG	0	Will J. McCasland	COM		21 S	36 E	11 4 2	N 32° 29' 22.71"	W 103° 13' 52.54"		3,565	
CP 00685 (1) EXP	0	Chevron USA, Inc.	PRO		21 S	36 E	11 4 2	N 32° 29' 22.71"	W 103° 13' 52.54"		3,565	
CP 00882	3	Laymond Smith	DOM		21 S	36 E	23 2	N 32° 27' 51.27"	W 103° 14' 7.98"		3,537	

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet1)

Shaded well information indicates well location shown on Figure 2

^A = in acre feet per annum

^B = Elevation interpolated from USGS topographical map based on referenced location.

DOM = Domestic

SAN = Sanitary

STK = Livestock Watering

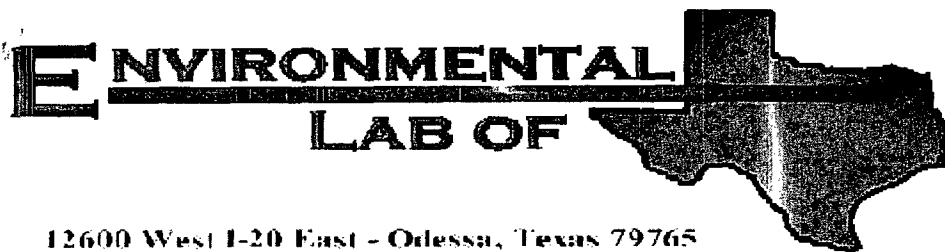
COM = Commercial

EXP = Expired

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are biggest to smallest

ATTACHMENT I

LABORATORY RESULTS AND CHAIN-OF-CUSTODY FORMS



Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Eunice Booster to Lea 6

Project Number: 2004-00198

Location: None Given

Lab Order Number: 4K09002

Report Date: 11/12/04

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
11/12/04 16:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
North Side Wall	4K09002-01	Soil	11/08/04 08:45	11/09/04 09:25
East Side Wall	4K09002-02	Soil	11/08/04 08:55	11/09/04 09:25
South Side Wall	4K09002-03	Soil	11/08/04 09:05	11/09/04 09:25
West Side Wall	4K09002-04	Soil	11/08/04 09:15	11/09/04 09:25
Bottom Hole	4K09002-05	Soil	11/08/04 09:25	11/09/04 09:25
Flow Path	4K09002-06	Soil	11/08/04 10:00	11/09/04 09:25
SE NSW	4K09002-07	Soil	11/08/04 13:30	11/09/04 09:25
SE SSW	4K09002-08	Soil	11/08/04 13:40	11/09/04 09:25
SE ESW	4K09002-09	Soil	11/08/04 13:50	11/09/04 09:25
SE WSW	4K09002-10	Soil	11/08/04 14:00	11/09/04 09:25
SE BH	4K09002-11	Soil	11/08/04 14:10	11/09/04 09:25

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
11/12/04 16:18

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
North Side Wall (4K09002-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK41003	11/09/04	11/10/04	EPA 8021B	
Toluene	J [0.0162]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	J [0.0171]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	0.0570	0.0250	"	"	"	"	"	"	
Xylene (o)	J [0.0121]	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		91.1 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.5 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	25.3	10.0	mg/kg dry	1	EK40903	11/09/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	655	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	680	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		116 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		127 %	70-130		"	"	"	"	
East Side Wall (4K09002-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK41203	11/11/04	11/11/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0492	0.0250	"	"	"	"	"	"	
Xylene (o)	J [0.0157]	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		93.7 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	18.1	10.0	mg/kg dry	1	EK40903	11/09/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	189	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	207	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		116 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		128 %	70-130		"	"	"	"	
South Side Wall (4K09002-03) Soil									
Benzene	0.0460	0.0250	mg/kg dry	25	EK41203	11/11/04	11/11/04	EPA 8021B	
Toluene	0.173	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.360	0.0250	"	"	"	"	"	"	
Xylene (p/m)	1.10	0.0250	"	"	"	"	"	"	
Xylene (o)	0.369	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		122 %	80-120		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		98.3 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	219	50.0	mg/kg dry	5	EK40903	11/09/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	1290	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1510	50.0	"	"	"	"	"	"	

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.

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
11/12/04 16:18

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South Side Wall (4K09002-03) Soil									
Surrogate: 1-Chlorooctane		26.4 %	70-130		EK40903	11 09 04	11 10 04	EPA 8015M	S-06
Surrogate: 1-Chlorooctadecane		30.2 %	70-130		"	"	"	"	S-06
West Side Wall (4K09002-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK41203	11/11/04	11/11/04	EPA 8021B	
Toluene	J [0.0242]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	0.0376	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.103	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0279	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.7 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	14.7	10.0	mg/kg dry	1	EK40903	11/09/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	2960	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	2980	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		101 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		121 %	70-130		"	"	"	"	
Bottom Hole (4K09002-05) Soil									
Benzene	J [0.0163]	0.0250	mg/kg dry	25	EK41203	11/11/04	11/11/04	EPA 8021B	J
Toluene	0.0929	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.186	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.531	0.0250	"	"	"	"	"	"	
Xylene (o)	0.159	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.3 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	76.8	10.0	mg/kg dry	1	EK40903	11/09/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	542	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	619	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		98.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		114 %	70-130		"	"	"	"	

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
11/12/04 16:18

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Flow Path (4K09002-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK41203	11/11/04	11/11/04	EPA 8021B	
Toluene	J [0.0178]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	0.0320	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.148	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0567	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.7 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	27.6	10.0	mg/kg dry	1	EK40903	11/09/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	271	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	299	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		108 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		126 %	70-130		"	"	"	"	
SE NSW (4K09002-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK41203	11/11/04	11/11/04	EPA 8021B	
Toluene	0.0301	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0434	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0829	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0340	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	32.4	10.0	mg/kg dry	1	EK40903	11/09/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	162	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	194	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		104 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		122 %	70-130		"	"	"	"	
SE SSW (4K09002-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK41203	11/11/04	11/11/04	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		91.3 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40903	11/09/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	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 4 of 14

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
11/12/04 16:18

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SE SSW (4K09002-08) Soil									
<i>Surrogate: 1-Chlorooctane</i>		107 %	70-130		EK40903	11 09 04	11 10 04	EPA 8015M	
<i>Surrogate: 1-Chlorooctadecane</i>		124 %	70-130		"	"	"	"	
SE ESW (4K09002-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK41203	11/11/04	11/11/04	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>		93.9 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.7 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40903	11/09/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		100 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		118 %	70-130		"	"	"	"	
SE WSW (4K09002-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK41203	11/11/04	11/11/04	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>		95.0 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.0 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40903	11/09/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		105 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		122 %	70-130		"	"	"	"	

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
11/12/04 16:18

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SE BH (4K09002-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK41203	11/11/04	11/11/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		87.5 %	80-120		"	"	"	"	
Surrogate: <i>4</i> -Bromofluorobenzene		95.1 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	15.4	10.0	mg/kg dry	1	EK40903	11/09/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	103	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	118	10.0	"	"	"	"	"	"	
Surrogate: <i>1</i> -Chlorooctane		106 %	70-130		"	"	"	"	
Surrogate: <i>1</i> -Chlorooctadecane		116 %	70-130		"	"	"	"	

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
11/12/04 16:18

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
North Side Wall (4K09002-01) Soil									
% Moisture	5.0		%	1	EK41001	11/09/04	11/10/04	% calculation	
East Side Wall (4K09002-02) Soil									
% Moisture	13.0		%	1	EK41001	11/09/04	11/10/04	% calculation	
South Side Wall (4K09002-03) Soil									
% Moisture	9.0		%	1	EK41001	11/09/04	11/10/04	% calculation	
West Side Wall (4K09002-04) Soil									
% Moisture	15.0		%	1	EK41001	11/09/04	11/10/04	% calculation	
Bottom Hole (4K09002-05) Soil									
% Moisture	10.0		%	1	EK41001	11/09/04	11/10/04	% calculation	
Flow Path (4K09002-06) Soil									
% Moisture	4.0		%	1	EK41001	11/09/04	11/10/04	% calculation	
SE NSW (4K09002-07) Soil									
% Moisture	12.0		%	1	EK41001	11/09/04	11/10/04	% calculation	
SE SSW (4K09002-08) Soil									
% Moisture	19.0		%	1	EK41001	11/09/04	11/10/04	% calculation	
SE ESW (4K09002-09) Soil									
% Moisture	11.0		%	1	EK41001	11/09/04	11/10/04	% calculation	
SE WSW (4K09002-10) Soil									
% Moisture	15.0		%	1	EK41001	11/09/04	11/10/04	% calculation	
SE BH (4K09002-11) Soil									
% Moisture	21.0		%	1	EK41001	11/09/04	11/10/04	% calculation	

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
11/12/04 16:18

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 EK40903 - Solvent Extraction (GC)										
Blank (EK40903-BLK1)				Prepared & Analyzed: 11/09/04						
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	38.4		mg/kg	50.0		76.8	70-130			
Surrogate: 1-Chlorooctadecane	42.8		"	50.0		85.6	70-130			
Blank (EK40903-BLK2)				Prepared & Analyzed: 11/09/04						
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	44.4		"	50.0		88.8	70-130			
LCS (EK40903-BS1)				Prepared & Analyzed: 11/09/04						
Gasoline Range Organics C6-C12	463	10.0	mg/kg wet	500		92.6	75-125			
Diesel Range Organics >C12-C35	494	10.0	"	500		98.8	75-125			
Total Hydrocarbon C6-C35	957	10.0	"	1000		95.7	75-125			
Surrogate: 1-Chlorooctane	47.4		mg/kg	50.0		94.8	70-130			
Surrogate: 1-Chlorooctadecane	43.4		"	50.0		86.8	70-130			
LCS (EK40903-BS2)				Prepared & Analyzed: 11/09/04						
Gasoline Range Organics C6-C12	435	10.0	mg/kg wet	500		87.0	75-125			
Diesel Range Organics >C12-C35	463	10.0	"	500		92.6	75-125			
Total Hydrocarbon C6-C35	898	10.0	"	1000		89.8	75-125			
Surrogate: 1-Chlorooctane	48.1		mg/kg	50.0		96.2	70-130			
Surrogate: 1-Chlorooctadecane	46.4		"	50.0		92.8	70-130			
Calibration Check (EK40903-CCV1)				Prepared & Analyzed: 11/09/04						
Gasoline Range Organics C6-C12	484		mg/kg	500		96.8	80-120			
Diesel Range Organics >C12-C35	545		"	500		109	80-120			
Total Hydrocarbon C6-C35	1030		"	1000		103	80-120			
Surrogate: 1-Chlorooctane	51.9		"	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	45.7		"	50.0		91.4	70-130			

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
11/12/04 16:18

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 EK40903 - Solvent Extraction (GC)

Calibration Check (EK40903-CCV2)

Prepared & Analyzed: 11/09/04

Gasoline Range Organics C6-C12	552		mg/kg	500		110	80-120			
Diesel Range Organics >C12-C35	586		"	500		117	80-120			
Total Hydrocarbon C6-C35	1140		"	1000		114	80-120			
Surrogate: 1-Chlorooctane	56.9		"	50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	58.9		"	50.0		118	70-130			

Matrix Spike (EK40903-MS1)

Source: 4K08003-02

Prepared & Analyzed: 11/09/04

Gasoline Range Organics C6-C12	537	10.0	mg/kg dry	515	ND	104	75-125			
Diesel Range Organics >C12-C35	589	10.0	"	515	ND	114	75-125			
Total Hydrocarbon C6-C35	1130	10.0	"	1030	ND	110	75-125			
Surrogate: 1-Chlorooctane	51.7		mg/kg	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	39.8		"	50.0		79.6	70-130			

Matrix Spike (EK40903-MS2)

Source: 4K09001-07

Prepared: 11/09/04 Analyzed: 11/10/04

Gasoline Range Organics C6-C12	620	10.0	mg/kg dry	568	ND	109	75-125			
Diesel Range Organics >C12-C35	634	10.0	"	568	ND	112	75-125			
Total Hydrocarbon C6-C35	1250	10.0	"	1140	ND	110	75-125			
Surrogate: 1-Chlorooctane	56.1		mg/kg	50.0		112	70-130			
Surrogate: 1-Chlorooctadecane	60.9		"	50.0		122	70-130			

Matrix Spike Dup (EK40903-MSD1)

Source: 4K08003-02

Prepared & Analyzed: 11/09/04

Gasoline Range Organics C6-C12	525	10.0	mg/kg dry	515	ND	102	75-125	2.26	20	
Diesel Range Organics >C12-C35	580	10.0	"	515	ND	113	75-125	1.54	20	
Total Hydrocarbon C6-C35	1100	10.0	"	1030	ND	107	75-125	2.69	20	
Surrogate: 1-Chlorooctane	54.1		mg/kg	50.0		108	70-130			
Surrogate: 1-Chlorooctadecane	40.8		"	50.0		81.6	70-130			

Matrix Spike Dup (EK40903-MSD2)

Source: 4K09001-07

Prepared: 11/09/04 Analyzed: 11/10/04

Gasoline Range Organics C6-C12	601	10.0	mg/kg dry	568	ND	106	75-125	3.11	20	
Diesel Range Organics >C12-C35	662	10.0	"	568	ND	117	75-125	4.32	20	
Total Hydrocarbon C6-C35	1260	10.0	"	1140	ND	111	75-125	0.797	20	
Surrogate: 1-Chlorooctane	60.0		mg/kg	50.0		120	70-130			
Surrogate: 1-Chlorooctadecane	58.4		"	50.0		117	70-130			

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
11/12/04 16:18

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 EK41003 - EPA 5030C (GC)

Blank (EK41003-BLK1)

Prepared & Analyzed: 11/09/04

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: <i>a,a,a</i> -Trifluorotoluene	88.3		ug/kg	100		88.3	80-120			
Surrogate: <i>4</i> -Bromofluorobenzene	102		"	100		102	80-120			

LCS (EK41003-BS1)

Prepared & Analyzed: 11/09/04

Benzene	88.8		ug/kg	100		88.8	80-120			
Toluene	98.0		"	100		98.0	80-120			
Ethylbenzene	98.8		"	100		98.8	80-120			
Xylene (p/m)	220		"	200		110	80-120			
Xylene (o)	102		"	100		102	80-120			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	102		"	100		102	80-120			
Surrogate: <i>4</i> -Bromofluorobenzene	117		"	100		117	80-120			

Calibration Check (EK41003-CCV1)

Prepared: 11/09/04 Analyzed: 11/10/04

Benzene	88.4		ug/kg	100		88.4	80-120			
Toluene	98.0		"	100		98.0	80-120			
Ethylbenzene	92.2		"	100		92.2	80-120			
Xylene (p/m)	199		"	200		99.5	80-120			
Xylene (o)	95.5		"	100		95.5	80-120			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	105		"	100		105	80-120			
Surrogate: <i>4</i> -Bromofluorobenzene	102		"	100		102	80-120			

Matrix Spike (EK41003-MS1)

Source: 4K08003-01

Prepared: 11/09/04 Analyzed: 11/10/04

Benzene	87.9		ug/kg	100	ND	87.9	80-120			
Toluene	98.0		"	100	ND	98.0	80-120			
Ethylbenzene	103		"	100	ND	103	80-120			
Xylene (p/m)	225		"	200	ND	112	80-120			
Xylene (o)	106		"	100	ND	106	80-120			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	106		"	100		106	80-120			
Surrogate: <i>4</i> -Bromofluorobenzene	115		"	100		115	80-120			

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
11/12/04 16:18

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 EK41003 - EPA 5030C (GC)

Matrix Spike Dup (EK41003-MSD1)

Source: 4K08003-01

Prepared: 11/09/04 Analyzed: 11/10/04

Benzene	90.9		ug/kg	100	ND	90.9	80-120	3.36	20	
Toluene	103		"	100	ND	103	80-120	4.98	20	
Ethylbenzene	106		"	100	ND	106	80-120	2.87	20	
Xylene (p/m)	235		"	200	ND	118	80-120	5.22	20	
Xylene (o)	110		"	100	ND	110	80-120	3.70	20	
Surrogate: a,a,a-Trifluorotoluene	110		"	100		110	80-120			
Surrogate: 4-Bromofluorobenzene	116		"	100		116	80-120			

Batch EK41203 - EPA 5030C (GC)

Blank (EK41203-BLK1)

Prepared & Analyzed: 11/11/04

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	84.6		ug/kg	100		84.6	80-120			
Surrogate: 4-Bromofluorobenzene	99.5		"	100		99.5	80-120			

LCS (EK41203-BS1)

Prepared & Analyzed: 11/11/04

Benzene	91.3		ug/kg	100		91.3	80-120			
Toluene	100		"	100		100	80-120			
Ethylbenzene	107		"	100		107	80-120			
Xylene (p/m)	234		"	200		117	80-120			
Xylene (o)	113		"	100		113	80-120			
Surrogate: a,a,a-Trifluorotoluene	108		"	100		108	80-120			
Surrogate: 4-Bromofluorobenzene	119		"	100		119	80-120			

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
11/12/04 16:18

Organics by GC - Quality Control
Environmental Lab of Texas

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

Batch EK41203 - EPA 5030C (GC)

Calibration Check (EK41203-CCV1)

Prepared & Analyzed: 11/11/04

Benzene	93.9		ug/kg	100		93.9	80-120		
Toluene	104		"	100		104	80-120		
Ethylbenzene	103		"	100		103	80-120		
Xylene (p/m)	226		"	200		113	80-120		
Xylene (o)	109		"	100		109	80-120		
Surrogate: a,a,a-Trifluorotoluene	112		"	100		112	80-120		
Surrogate: 4-Bromofluorobenzene	116		"	100		116	80-120		

Matrix Spike (EK41203-MS1)

Source: 4K10007-02

Prepared & Analyzed: 11/11/04

Benzene	92.4		ug/kg	100	ND	92.4	80-120		
Toluene	105		"	100	ND	105	80-120		
Ethylbenzene	110		"	100	ND	110	80-120		
Xylene (p/m)	236		"	200	ND	118	80-120		
Xylene (o)	115		"	100	ND	115	80-120		
Surrogate: a,a,a-Trifluorotoluene	114		"	100		114	80-120		
Surrogate: 4-Bromofluorobenzene	120		"	100		120	80-120		

Matrix Spike Dup (EK41203-MSD1)

Source: 4K10007-02

Prepared & Analyzed: 11/11/04

Benzene	93.3		ug/kg	100	ND	93.3	80-120	0.969	20
Toluene	105		"	100	ND	105	80-120	0.00	20
Ethylbenzene	110		"	100	ND	110	80-120	0.00	20
Xylene (p/m)	239		"	200	ND	120	80-120	1.68	20
Xylene (o)	117		"	100	ND	117	80-120	1.72	20
Surrogate: a,a,a-Trifluorotoluene	97.5		"	100		97.5	80-120		
Surrogate: 4-Bromofluorobenzene	117		"	100		117	80-120		

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
11/12/04 16:18

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 EK41001 - General Preparation (Prep)

Blank (EK41001-BLK1)

Prepared: 11/09/04 Analyzed: 11/10/04

% Moisture	0.0		%							
------------	-----	--	---	--	--	--	--	--	--	--

Duplicate (EK41001-DUP1)

Source: 4K08006-01RE1

Prepared: 11/09/04 Analyzed: 11/10/04

% Moisture	61.0		%		61.0			0.00	20	
------------	------	--	---	--	------	--	--	------	----	--

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

Project: Eunice Booster to Lea 6
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:

11/12/04 16:18

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

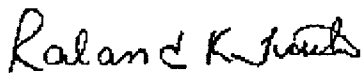
RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

11/12/04

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.

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.

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

Telephone No:

Sampler Signature:

PO#:

[illegible]

Time

attached
1000

Jeanne McMurrey

From: "Iain Olness" <iolness@hotmail.com>
To: <jeanne@elabtxas.com>
Sent: Wednesday, November 10, 2004 9:07 AM
Subject: Eunice Booster to Lea - 6" Loop Line (2004-00198)

Jeanne,

Could you please hold on the chloride analysis for the samples delivered yesterday for the above-referenced site. Should you have any questions, please feel free to contact me at (505) 394-3481.

Sincerely,

ENVIRONMENTAL PLUS, INC.

Iain Olness, P.G.
Hydrogeologist

Environmental Plus, Inc.
P.O. Box 1558
2100 Avenue O
Eunice, NM 88231

(505) 394-3481
(505) 394-2601 (facsimile)

--

This message has been scanned for viruses and dangerous content by MailScanner at **BasinBroadBand.com**, and is believed to be clean.

11/10/2004

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Plains P/L

Date/Time: 11-09-04 @ 1015

Order #: 4K09002

Initials: JMM

Sample Receipt Checklist

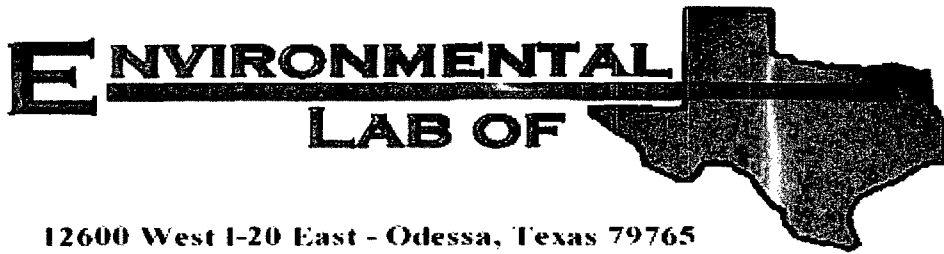
Temperature of container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	1.5	C
Shipping container/cooler in good condition?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Custody Seals intact on shipping container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not present	
Custody Seals intact on sample bottles?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not present	
Chain of custody present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Chain of Custody signed when relinquished and received?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Chain of custody agrees with sample label(s)	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Container labels legible and intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Samples in proper container/bottle?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Samples properly preserved?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sample bottles intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Preservations documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Containers documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Sufficient sample amount for indicated test?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
VOC samples have zero headspace?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Applicable	

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Booster to Lea 6 in.

Project Number: 2004-00198

Location: None Given

Lab Order Number: 4L02003

Report Date: 12/06/04

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

Project: Booster to Lea 6 in.
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/06/04 08:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SSW	4L02003-01	Soil	12/01/04 09:00	12/02/04 10:42
WSW	4L02003-02	Soil	12/01/04 14:00	12/02/04 10:42

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

Project: Booster to Lea 6 in.
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/06/04 08:44

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SSW (4L02003-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL40206	12/02/04	12/02/04	EPA 8015M	
Diesel Range Organics >C12-C35	J [6.70]	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		77.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		74.7 %	70-130		"	"	"	"	
WSW (4L02003-02) Soil									
Gasoline Range Organics C6-C12	13.2	10.0	mg/kg dry	1	EL40206	12/02/04	12/02/04	EPA 8015M	
Diesel Range Organics >C12-C35	192	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	205	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		90.7 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		94.5 %	70-130		"	"	"	"	

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

Project: Booster to Lea 6 in.
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/06/04 08:44

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SSW (4L02003-01) Soil									
% Moisture	11.0		%	1	EL40307	12/02/04	12/03/04	% calculation	
WSW (4L02003-02) Soil									
% Moisture	14.0		%	1	EL40307	12/02/04	12/03/04	% calculation	

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

Project: Booster to Lea 6 in.
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/06/04 08:44

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 EL40206 - Solvent Extraction (GC)

Blank (EL40206-BLK1)

Prepared & Analyzed: 12/02/04

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	39.2		"	50.0		78.4	70-130			
Surrogate: 1-Chlorooctadecane	41.2		"	50.0		82.4	70-130			

LCS (EL40206-BS1)

Prepared & Analyzed: 12/02/04

Gasoline Range Organics C6-C12	454	10.0	mg/kg wet	500		90.8	75-125			
Diesel Range Organics >C12-C35	481	10.0	"	500		96.2	75-125			
Total Hydrocarbon C6-C35	935	10.0	"	1000		93.5	75-125			
Surrogate: 1-Chlorooctane	42.0		"	50.0		84.0	70-130			
Surrogate: 1-Chlorooctadecane	38.7		"	50.0		77.4	70-130			

Calibration Check (EL40206-CCV1)

Prepared & Analyzed: 12/02/04

Gasoline Range Organics C6-C12	489		mg/kg	500		97.8	80-120			
Diesel Range Organics >C12-C35	498		"	500		99.6	80-120			
Total Hydrocarbon C6-C35	987		"	1000		98.7	80-120			
Surrogate: 1-Chlorooctane	60.0		mg/kg wet	50.0		120	70-130			
Surrogate: 1-Chlorooctadecane	58.3		"	50.0		117	70-130			

Matrix Spike (EL40206-MS1)

Source: 4L01005-01

Prepared & Analyzed: 12/02/04

Gasoline Range Organics C6-C12	484	10.0	mg/kg dry	625	ND	77.4	75-125			
Diesel Range Organics >C12-C35	695	10.0	"	625	30.6	106	75-125			
Total Hydrocarbon C6-C35	1180	10.0	"	1250	30.6	92.0	75-125			
Surrogate: 1-Chlorooctane	70.5		"	62.5		113	70-130			
Surrogate: 1-Chlorooctadecane	65.2		"	62.5		104	70-130			

Matrix Spike Dup (EL40206-MSD1)

Source: 4L01005-01

Prepared & Analyzed: 12/02/04

Gasoline Range Organics C6-C12	490	10.0	mg/kg dry	625	ND	78.4	75-125	1.23	20	
Diesel Range Organics >C12-C35	685	10.0	"	625	30.6	105	75-125	1.45	20	
Total Hydrocarbon C6-C35	1180	10.0	"	1250	30.6	92.0	75-125	0.00	20	
Surrogate: 1-Chlorooctane	71.2		"	62.5		114	70-130			
Surrogate: 1-Chlorooctadecane	65.2		"	62.5		104	70-130			

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

Project: Booster to Lea 6 in.
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/06/04 08:44

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 EL40307 - General Preparation (Prep)

Blank (EL40307-BLK1)

Prepared: 12/02/04 Analyzed: 12/03/04

% Moisture	0.0	%
------------	-----	---

Duplicate (EL40307-DUP1)

Source: 4L01005-01

Prepared: 12/02/04 Analyzed: 12/03/04

% Moisture	20.0	%	20.0	0.00	20
------------	------	---	------	------	----

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

Project: Booster to Lea 6 in.
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/06/04 08:44

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: 12/6/2004

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.

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.

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

FAIR CLASS

~~Plains~~ Environmental Plus Inc

P.O. Box 1558

Canine N. Mexico

394-3481 FAY 505 394 2601

Philip A. Harper

Booster To Lead 6"

200400198

PO#:

Special Instructions						Sample Containers In <input checked="" type="radio"/> Y <input type="radio"/> N	
FAX RESULTS TO IAIN OLNESS ASAP						Temperature Upon Request	
Relinquished:	Date	Time	Received by:	Date	Time	Laboratory Comments:	
Iain Olness	12/2/04	0730	Beal Hall	12/2/04	7:30		
Relinquished:	Date	Time	Received by:	Date	Time	-1.0°C	
Beal Hall	12-2-4	1042	Game morning	12-2-4	1042		

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Plains P/L

Date/Time: 12-02-04 @ 1125

Order #: 4L02003

Initials: JMM

Sample Receipt Checklist

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

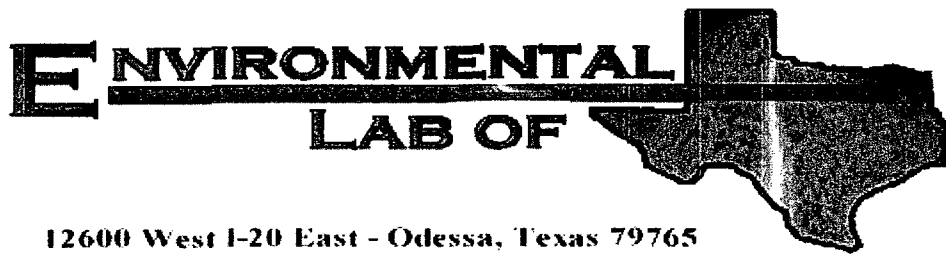
Other observations:

Variance Documentation:

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

Regarding:

Corrective Action Taken:



Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Eunice Booster to Lea - 6 in. Loop Line

Project Number: 2004-00198

Location: None Given

Lab Order Number: 4L13010

Report Date: 12/16/04

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/16/04 09:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SE Stockpile	4L13010-01	Soil	12/13/04 10:00	12/13/04 13:20
NW Stockpile	4L13010-02	Soil	12/13/04 10:00	12/13/04 13:20

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/16/04 09:40

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SE Stockpile (4L13010-01) Soil									
Benzene	0.743	0.100	mg/kg dry	100	EL41503	12/14/04	12/14/04	EPA 8021B	
Toluene	5.95	0.100	"	"	"	"	"	"	
Ethylbenzene	7.35	0.100	"	"	"	"	"	"	
Xylene (p/m)	25.4	0.100	"	"	"	"	"	"	
Xylene (o)	8.10	0.100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		180 %	80-120		"	"	"	"	S-04
<i>Surrogate: 4-Bromofluorobenzene</i>		136 %	80-120		"	"	"	"	S-04
Gasoline Range Organics C6-C12	2570	10.0	mg/kg dry	1	EL41311	12/13/04	12/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	9790	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	12400	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		118 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		106 %	70-130		"	"	"	"	
NW Stockpile (4L13010-02) Soil									
Benzene	1.65	0.100	mg/kg dry	100	EL41503	12/14/04	12/14/04	EPA 8021B	
Toluene	12.5	0.100	"	"	"	"	"	"	
Ethylbenzene	10.7	0.100	"	"	"	"	"	"	
Xylene (p/m)	33.2	0.100	"	"	"	"	"	"	
Xylene (o)	10.0	0.100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		171 %	80-120		"	"	"	"	S-04
<i>Surrogate: 4-Bromofluorobenzene</i>		133 %	80-120		"	"	"	"	S-04
Gasoline Range Organics C6-C12	3310	50.0	mg/kg dry	5	EL41311	12/13/04	12/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	12200	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	15500	50.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		28.0 %	70-130		"	"	"	"	S-06
<i>Surrogate: 1-Chlorooctadecane</i>		34.4 %	70-130		"	"	"	"	S-06

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/16/04 09:40

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SE Stockpile (4L13010-01) Soil									
% Moisture	5.4		%	1	EL41401	12/13/04	12/14/04	% calculation	
NW Stockpile (4L13010-02) Soil									
% Moisture	9.7		%	1	EL41401	12/13/04	12/14/04	% calculation	

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/16/04 09:40

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 EL41311 - Solvent Extraction (GC)

Blank (EL41311-BLK1)

Prepared & Analyzed: 12/13/04

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	37.1		mg/kg	50.0		74.2	70-130			
Surrogate: 1-Chlorooctadecane	36.5		"	50.0		73.0	70-130			

Blank (EL41311-BLK2)

Prepared: 12/13/04 Analyzed: 12/14/04

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	39.0		mg/kg	50.0		78.0	70-130			
Surrogate: 1-Chlorooctadecane	37.6		"	50.0		75.2	70-130			

LCS (EL41311-BS1)

Prepared & Analyzed: 12/13/04

Gasoline Range Organics C6-C12	478	10.0	mg/kg wet	500		95.6	75-125			
Diesel Range Organics >C12-C35	499	10.0	"	500		99.8	75-125			
Total Hydrocarbon C6-C35	977	10.0	"	1000		97.7	75-125			
Surrogate: 1-Chlorooctane	51.3		mg/kg	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	37.6		"	50.0		75.2	70-130			

LCS (EL41311-BS2)

Prepared: 12/13/04 Analyzed: 12/14/04

Gasoline Range Organics C6-C12	492	10.0	mg/kg wet	500		98.4	75-125			
Diesel Range Organics >C12-C35	503	10.0	"	500		101	75-125			
Total Hydrocarbon C6-C35	995	10.0	"	1000		99.5	75-125			
Surrogate: 1-Chlorooctane	52.0		mg/kg	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	41.7		"	50.0		83.4	70-130			

Calibration Check (EL41311-CCV1)

Prepared & Analyzed: 12/13/04

Gasoline Range Organics C6-C12	472		mg/kg	500		94.4	80-120			
Diesel Range Organics >C12-C35	528		"	500		106	80-120			
Total Hydrocarbon C6-C35	1000		"	1000		100	80-120			
Surrogate: 1-Chlorooctane	50.1		"	50.0		100	70-130			
Surrogate: 1-Chlorooctadecane	43.8		"	50.0		87.6	70-130			

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/16/04 09:40

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 EL41311 - Solvent Extraction (GC)

Calibration Check (EL41311-CCV2)

Prepared: 12/13/04 Analyzed: 12/14/04

Gasoline Range Organics C6-C12	483		mg/kg	500		96.6	80-120			
Diesel Range Organics >C12-C35	522		"	500		104	80-120			
Total Hydrocarbon C6-C35	1000		"	1000		100	80-120			
Surrogate: 1-Chlorooctane	51.5		"	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	48.1		"	50.0		96.2	70-130			

Matrix Spike (EL41311-MS1)

Source: 4L13002-02

Prepared: 12/13/04 Analyzed: 12/14/04

Gasoline Range Organics C6-C12	504	10.0	mg/kg dry	553	ND	91.1	75-125			
Diesel Range Organics >C12-C35	531	10.0	"	553	ND	96.0	75-125			
Total Hydrocarbon C6-C35	1040	10.0	"	1110	ND	93.7	75-125			
Surrogate: 1-Chlorooctane	50.9		mg/kg	50.0		102	70-130			
Surrogate: 1-Chlorooctadecane	48.7		"	50.0		97.4	70-130			

Matrix Spike (EL41311-MS2)

Source: 4L13007-01

Prepared: 12/13/04 Analyzed: 12/14/04

Gasoline Range Organics C6-C12	596	10.0	mg/kg dry	575	12.3	102	75-125			
Diesel Range Organics >C12-C35	586	10.0	"	575	17.2	98.9	75-125			
Total Hydrocarbon C6-C35	1180	10.0	"	1150	29.5	100	75-125			
Surrogate: 1-Chlorooctane	57.4		mg/kg	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	52.6		"	50.0		105	70-130			

Matrix Spike Dup (EL41311-MSD1)

Source: 4L13002-02

Prepared: 12/13/04 Analyzed: 12/14/04

Gasoline Range Organics C6-C12	523	10.0	mg/kg dry	553	ND	94.6	75-125	3.70	20	
Diesel Range Organics >C12-C35	524	10.0	"	553	ND	94.8	75-125	1.33	20	
Total Hydrocarbon C6-C35	1050	10.0	"	1110	ND	94.6	75-125	0.957	20	
Surrogate: 1-Chlorooctane	51.8		mg/kg	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	49.5		"	50.0		99.0	70-130			

Matrix Spike Dup (EL41311-MSD2)

Source: 4L13007-01

Prepared: 12/13/04 Analyzed: 12/14/04

Gasoline Range Organics C6-C12	572	10.0	mg/kg dry	575	12.3	97.3	75-125	4.11	20	
Diesel Range Organics >C12-C35	581	10.0	"	575	17.2	98.1	75-125	0.857	20	
Total Hydrocarbon C6-C35	1150	10.0	"	1150	29.5	97.4	75-125	2.58	20	
Surrogate: 1-Chlorooctane	55.5		mg/kg	50.0		111	70-130			
Surrogate: 1-Chlorooctadecane	51.2		"	50.0		102	70-130			

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/16/04 09:40

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 EL41503 - EPA 5030C (GC)

Blank (EL41503-BLK1)

Prepared & Analyzed: 12/14/04

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	104		ug/kg	100		104	80-120			
Surrogate: 4-Bromofluorobenzene	104		"	100		104	80-120			

LCS (EL41503-BS1)

Prepared & Analyzed: 12/14/04

Benzene	89.3		ug/kg	100		89.3	80-120			
Toluene	92.7		"	100		92.7	80-120			
Ethylbenzene	106		"	100		106	80-120			
Xylene (p/m)	236		"	200		118	80-120			
Xylene (o)	119		"	100		119	80-120			
Surrogate: a,a,a-Trifluorotoluene	117		"	100		117	80-120			
Surrogate: 4-Bromofluorobenzene	116		"	100		116	80-120			

Calibration Check (EL41503-CCV1)

Prepared & Analyzed: 12/14/04

Benzene	95.9		ug/kg	100		95.9	80-120			
Toluene	98.3		"	100		98.3	80-120			
Ethylbenzene	102		"	100		102	80-120			
Xylene (p/m)	226		"	200		113	80-120			
Xylene (o)	111		"	100		111	80-120			
Surrogate: a,a,a-Trifluorotoluene	114		"	100		114	80-120			
Surrogate: 4-Bromofluorobenzene	112		"	100		112	80-120			

Matrix Spike (EL41503-MS1)

Source: 4L13013-02

Prepared & Analyzed: 12/14/04

Benzene	91.2		ug/kg	100	ND	91.2	80-120			
Toluene	96.5		"	100	ND	96.5	80-120			
Ethylbenzene	108		"	100	ND	108	80-120			
Xylene (p/m)	238		"	200	ND	119	80-120			
Xylene (o)	116		"	100	ND	116	80-120			
Surrogate: a,a,a-Trifluorotoluene	117		"	100		117	80-120			
Surrogate: 4-Bromofluorobenzene	119		"	100		119	80-120			

Environmental Lab of Texas

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

Page 6 of 10

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/16/04 09:40

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 EL41503 - EPA 5030C (GC)

Matrix Spike Dup (EL41503-MSD1)

Source: 4L13013-02

Prepared & Analyzed: 12/14/04

Benzene	92.3		ug/kg	100	ND	92.3	80-120	1.20	20	
Toluene	97.4		"	100	ND	97.4	80-120	0.928	20	
Ethylbenzene	109		"	100	ND	109	80-120	0.922	20	
Xylene (p/m)	239		"	200	ND	120	80-120	0.837	20	
Xylene (o)	117		"	100	ND	117	80-120	0.858	20	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	116		"	100		116	80-120			
Surrogate: <i>4</i> -Bromofluorobenzene	120		"	100		120	80-120			

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/16/04 09:40

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 EL41401 - General Preparation (Prep)

Blank (EL41401-BLK1)

Prepared: 12/13/04 Analyzed: 12/14/04

% Moisture	0.001	%
------------	-------	---

Duplicate (EL41401-DUP1)

Source: 4L10023-01

Prepared: 12/13/04 Analyzed: 12/14/04

% Moisture	3.0	%	3.2	6.45	20
------------	-----	---	-----	------	----

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
12/16/04 09:40

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.

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

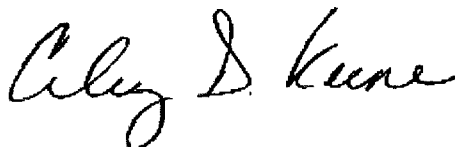
RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: _____



Date: 12/16/2004

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.

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 Labs of Texas

12600 West I-20 East, Odessa, TX 79763

(915) 563-1800 FAX: (915) 563-1713

Chain of Custody Form

Company Name		Environmental Plus, Inc.		Bill To				ANALYSIS REQUEST																							
EPI Project Manager		Iain Olness		 <p>Attn: ENV Accounts Payable PO Box 4648, Houston, TX 77210-4648</p>																											
Mailing Address		P.O. BOX 1558																													
City, State, Zip		Eunice New Mexico 88231																													
EPI Phone#/Fax#		505-394-3481 / 505-394-2601																													
Client Company		Plains All American																													
Facility Name		Eunice Booster to Lea - 6" Loop Line																													
Project Reference		2004-00198																													
EPI Sampler Name		Roger Boone																													
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		BTX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH									
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME																	
4L130010	-01 SE Stockpile	C	1			X					X		13-Dec	10:00	X	X															
	-02 NW Stockpile	C	1			X					X		13-Dec	10:00	X	X															
	3																														
	4																														
	5																														
	6																														
	7																														
	8																														
	9																														
	10																														

Sampler Relinquished:		Date	12-13	Received By:	E-mail results to: iolness@hotmail.com & cjreynolds@paalp.com REMARKS: 1,5°C 4oz glass on ice	
Relinquished by:		Time	10:40	Received By: (lab staff)		
Delivered by:		Date	12-13-04	Time		
		Sample Cool & Intact		Checked By:		
		Yes <input checked="" type="radio"/> No <input type="radio"/>		JMM		

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Plains P/L

Date/Time: 12-13-04 @ 1320

Order #: 46130010

Initials: JMM

Sample Receipt Checklist

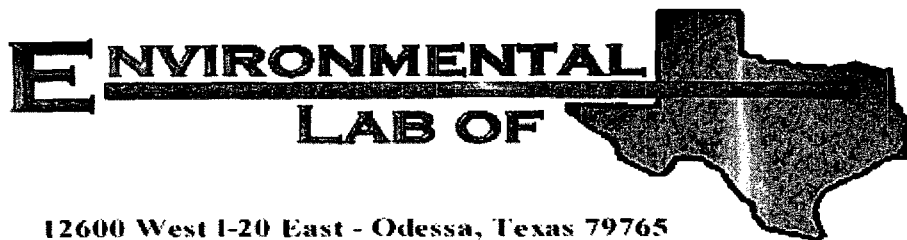
Temperature of container/cooler?	<input checked="" type="radio"/> Yes	No	IS	C
Shipping container/cooler in good condition?	<input checked="" type="radio"/> Yes	No		
Custody Seals intact on shipping container/cooler?	<input checked="" type="radio"/> Yes	No	Not present	
Custody Seals intact on sample bottles?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

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Jimmy Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Eunice Booster to Lea - 6 in. Loop Line

Project Number: 2004-00198

Location: Lea

Lab Order Number: 5D29015

Report Date: 05/04/05

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Jimmy Bryant

Fax: (432) 687-4914

Reported:
05/04/05 08:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E Half of M Stockpile	5D29015-01	Soil	04/28/05 12:00	04/29/05 14:10
W Half of M Stockpile	5D29015-02	Soil	04/28/05 11:00	04/29/05 14:10
N BH 2 (6')	5D29015-03	Soil	04/28/05 08:30	04/29/05 14:10
S Half of N Stockpile	5D29015-04	Soil	04/28/05 10:00	04/29/05 14:10
E Half of S Stockpile	5D29015-05	Soil	04/28/05 14:30	04/29/05 14:10
W Half of S Stockpile	5D29015-06	Soil	04/28/05 13:30	04/29/05 14:10
N Half of N Ntockpile	5D29015-07	Soil	04/28/05 09:00	04/29/05 14:10

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Jimmy Bryant

Fax: (432) 687-4914

Reported:
05/04/05 08:02

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E Half of M Stockpile (5D29015-01) Soil									
Benzene	J [0.0155]	0.0250	mg/kg dry	25	EE50202	04/29/05	05/02/05	EPA 8021B	J
Toluene	0.0935	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.121	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.203	0.0250	"	"	"	"	"	"	
Xylene (o)	0.110	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		90.3 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		109 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	206	10.0	mg/kg dry	1	ED52904	04/29/05	04/29/05	EPA 8015M	
Diesel Range Organics >C12-C35	1160	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1370	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		80.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		84.0 %	70-130		"	"	"	"	
W Half of M Stockpile (5D29015-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE50202	04/29/05	05/02/05	EPA 8021B	
Toluene	0.0416	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0682	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.116	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0560	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		94.9 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.0 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	132	10.0	mg/kg dry	1	ED52904	04/29/05	04/29/05	EPA 8015M	
Diesel Range Organics >C12-C35	881	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1010	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		72.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		74.0 %	70-130		"	"	"	"	
N BH 2 (6') (5D29015-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE50203	05/02/05	05/02/05	EPA 8021B	
Toluene	0.102	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.150	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.247	0.0250	"	"	"	"	"	"	
Xylene (o)	0.146	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		111 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		111 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	200	10.0	mg/kg dry	1	ED52904	04/29/05	04/29/05	EPA 8015M	
Diesel Range Organics >C12-C35	1010	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1210	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.

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Jimmy Bryant

Fax: (432) 687-4914

Reported:
05/04/05 08:02

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
N BH 2 (6') (5D29015-03) Soil									
Surrogate: 1-Chlorooctane		76.2 %	70-130		ED52904	04/29/05	04/29/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		76.0 %	70-130		"	"	"	"	
S Half of N Stockpile (5D29015-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE50203	05/02/05	05/02/05	EPA 8021B	
Toluene	0.0540	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0965	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.133	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0970	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.4 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	121	10.0	mg/kg dry	1	ED52904	04/29/05	04/29/05	EPA 8015M	
Diesel Range Organics >C12-C35	726	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	847	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		77.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		78.4 %	70-130		"	"	"	"	
E Half of S Stockpile (5D29015-05) Soil									
Benzene	J [0.0113]	0.0250	mg/kg dry	25	EE50203	05/02/05	05/02/05	EPA 8021B	J
Toluene	0.132	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.160	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.707	0.0250	"	"	"	"	"	"	
Xylene (o)	0.206	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		102 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	203	10.0	mg/kg dry	1	ED52904	04/29/05	04/29/05	EPA 8015M	
Diesel Range Organics >C12-C35	1030	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1230	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		79.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		81.6 %	70-130		"	"	"	"	

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 3 of 12

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Jimmy Bryant

Fax: (432) 687-4914

Reported:
05/04/05 08:02

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W Half of S Stockpile (5D29015-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE50203	05/02/05	05/02/05	EPA 8021B	
Toluene	0.111	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.160	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.655	0.0250	"	"	"	"	"	"	
Xylene (o)	0.178	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	223	10.0	mg/kg dry	1	ED52904	04/29/05	04/29/05	EPA 8015M	
Diesel Range Organics >C12-C35	1120	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1340	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		83.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		84.2 %	70-130		"	"	"	"	
N Half of N Ntockpile (5D29015-07) Soil									
Benzene	J [0.0133]	0.0250	mg/kg dry	25	EE50203	05/02/05	05/02/05	EPA 8021B	J
Toluene	0.129	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.154	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.624	0.0250	"	"	"	"	"	"	
Xylene (o)	0.143	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		117 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	207	10.0	mg/kg dry	1	ED52909	04/29/05	04/29/05	EPA 8015M	
Diesel Range Organics >C12-C35	887	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1090	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		79.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		78.8 %	70-130		"	"	"	"	

Environmental Lab of Texas

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

Page 4 of 12

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Jimmy Bryant

Fax: (432) 687-4914

Reported:
05/04/05 08:02

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E Half of M Stockpile (5D29015-01) Soil									
% Moisture	7.7	0.1	%	1	EE50206	04/29/05	05/02/05	% calculation	
W Half of M Stockpile (5D29015-02) Soil									
% Moisture	7.8	0.1	%	1	EE50206	04/29/05	05/02/05	% calculation	
N BH 2 (6') (5D29015-03) Soil									
% Moisture	9.6	0.1	%	1	EE50206	04/29/05	05/02/05	% calculation	
S Half of N Stockpile (5D29015-04) Soil									
% Moisture	8.9	0.1	%	1	EE50206	04/29/05	05/02/05	% calculation	
E Half of S Stockpile (5D29015-05) Soil									
% Moisture	9.6	0.1	%	1	EE50206	04/29/05	05/02/05	% calculation	
W Half of S Stockpile (5D29015-06) Soil									
% Moisture	9.7	0.1	%	1	EE50206	04/29/05	05/02/05	% calculation	
N Half of N Stockpile (5D29015-07) Soil									
% Moisture	9.1	0.1	%	1	EE50206	04/29/05	05/02/05	% calculation	

Environmental Lab of Texas

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

Page 5 of 12

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Jimmy Bryant

Fax: (432) 687-4914

Reported:
05/04/05 08:02

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch ED52904 - Solvent Extraction (GC)									
Blank (ED52904-BLK1)					Prepared & Analyzed: 04/29/05				
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	36.3		mg/kg	50.0		72.6	70-130		
Surrogate: 1-Chlorooctadecane	38.7		"	50.0		77.4	70-130		
LCS (ED52904-BS1)					Prepared & Analyzed: 04/29/05				
Gasoline Range Organics C6-C12	430	10.0	mg/kg wet	500		86.0	75-125		
Diesel Range Organics >C12-C35	445	10.0	"	500		89.0	75-125		
Total Hydrocarbon C6-C35	875	10.0	"	1000		87.5	75-125		
Surrogate: 1-Chlorooctane	35.6		mg/kg	50.0		71.2	70-130		
Surrogate: 1-Chlorooctadecane	36.6		"	50.0		73.2	70-130		
Calibration Check (ED52904-CCV1)					Prepared & Analyzed: 04/29/05				
Gasoline Range Organics C6-C12	464		mg/kg	500		92.8	80-120		
Diesel Range Organics >C12-C35	519		"	500		104	80-120		
Total Hydrocarbon C6-C35	983		"	1000		98.3	80-120		
Surrogate: 1-Chlorooctane	46.2		"	50.0		92.4	70-130		
Surrogate: 1-Chlorooctadecane	37.3		"	50.0		74.6	70-130		
Matrix Spike (ED52904-MS1)					Source: 5D29001-01	Prepared & Analyzed: 04/29/05			
Gasoline Range Organics C6-C12	482	10.0	mg/kg dry	533	ND	90.4	75-125		
Diesel Range Organics >C12-C35	575	10.0	"	533	ND	108	75-125		
Total Hydrocarbon C6-C35	1060	10.0	"	1070	ND	99.1	75-125		
Surrogate: 1-Chlorooctane	44.0		mg/kg	50.0		88.0	70-130		
Surrogate: 1-Chlorooctadecane	36.6		"	50.0		73.2	70-130		
Matrix Spike Dup (ED52904-MSD1)					Source: 5D29001-01	Prepared & Analyzed: 04/29/05			
Gasoline Range Organics C6-C12	483	10.0	mg/kg dry	533	ND	90.6	75-125	0.207	20
Diesel Range Organics >C12-C35	561	10.0	"	533	ND	105	75-125	2.46	20
Total Hydrocarbon C6-C35	1040	10.0	"	1070	ND	97.2	75-125	1.90	20
Surrogate: 1-Chlorooctane	42.7		mg/kg	50.0		85.4	70-130		
Surrogate: 1-Chlorooctadecane	36.2		"	50.0		72.4	70-130		

Environmental Lab of Texas

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

Page 6 of 12

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Jimmy Bryant

Fax: (432) 687-4914

Reported:
05/04/05 08:02

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 ED52909 - Solvent Extraction (GC)

Blank (ED52909-BLK1)

Prepared & Analyzed: 04/29/05

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	35.3		mg/kg	50.0		70.6	70-130			
Surrogate: 1-Chlorooctadecane	35.2		"	50.0		70.4	70-130			

LCS (ED52909-BS1)

Prepared & Analyzed: 04/29/05

Gasoline Range Organics C6-C12	432	10.0	mg/kg wet	500		86.4	75-125			
Diesel Range Organics >C12-C35	444	10.0	"	500		88.8	75-125			
Total Hydrocarbon C6-C35	876	10.0	"	1000		87.6	75-125			
Surrogate: 1-Chlorooctane	35.6		mg/kg	50.0		71.2	70-130			
Surrogate: 1-Chlorooctadecane	35.9		"	50.0		71.8	70-130			

Calibration Check (ED52909-CCV1)

Prepared & Analyzed: 04/29/05

Gasoline Range Organics C6-C12	476		mg/kg	500		95.2	80-120			
Diesel Range Organics >C12-C35	522		"	500		104	80-120			
Total Hydrocarbon C6-C35	998		"	1000		99.8	80-120			
Surrogate: 1-Chlorooctane	46.5		"	50.0		93.0	70-130			
Surrogate: 1-Chlorooctadecane	39.5		"	50.0		79.0	70-130			

Matrix Spike (ED52909-MS1)

Source: 5D29016-02

Prepared: 04/29/05 Analyzed: 04/30/05

Gasoline Range Organics C6-C12	500	10.0	mg/kg dry	566	ND	88.3	75-125			
Diesel Range Organics >C12-C35	599	10.0	"	566	ND	106	75-125			
Total Hydrocarbon C6-C35	1100	10.0	"	1130	ND	97.3	75-125			
Surrogate: 1-Chlorooctane	41.2		mg/kg	50.0		82.4	70-130			
Surrogate: 1-Chlorooctadecane	35.7		"	50.0		71.4	70-130			

Matrix Spike Dup (ED52909-MSD1)

Source: 5D29016-02

Prepared: 04/29/05 Analyzed: 04/30/05

Gasoline Range Organics C6-C12	496	10.0	mg/kg dry	566	ND	87.6	75-125	0.803	20	
Diesel Range Organics >C12-C35	626	10.0	"	566	ND	111	75-125	4.41	20	
Total Hydrocarbon C6-C35	1120	10.0	"	1130	ND	99.1	75-125	1.80	20	
Surrogate: 1-Chlorooctane	42.5		mg/kg	50.0		85.0	70-130			
Surrogate: 1-Chlorooctadecane	36.2		"	50.0		72.4	70-130			

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 7 of 12

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Jimmy Bryant

Fax: (432) 687-4914

Reported:
05/04/05 08:02

Organics by GC - Quality Control
Environmental Lab of Texas

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

Batch EE50202 - EPA 5030C (GC)

Blank (EE50202-BLK1)

Prepared & Analyzed: 04/29/05

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	94.7		ug/kg	100		94.7	80-120	
Surrogate: 4-Bromofluorobenzene	101		"	100		101	80-120	

LCS (EE50202-BS1)

Prepared & Analyzed: 04/29/05

Benzene	94.7		ug/kg	100		94.7	80-120	
Toluene	99.0		"	100		99.0	80-120	
Ethylbenzene	98.0		"	100		98.0	80-120	
Xylene (p/m)	220		"	200		110	80-120	
Xylene (o)	104		"	100		104	80-120	
Surrogate: a,a,a-Trifluorotoluene	111		"	100		111	80-120	
Surrogate: 4-Bromofluorobenzene	113		"	100		113	80-120	

Calibration Check (EE50202-CCV1)

Prepared: 04/29/05 Analyzed: 05/02/05

Benzene	89.0		ug/kg	100		89.0	80-120	
Toluene	92.0		"	100		92.0	80-120	
Ethylbenzene	90.0		"	100		90.0	80-120	
Xylene (p/m)	203		"	200		102	80-120	
Xylene (o)	98.4		"	100		98.4	80-120	
Surrogate: a,a,a-Trifluorotoluene	105		"	100		105	80-120	
Surrogate: 4-Bromofluorobenzene	111		"	100		111	80-120	

Matrix Spike (EE50202-MS1)

Source: 5D28002-05

Prepared: 04/29/05 Analyzed: 04/30/05

Benzene	2310		ug/kg	2500	ND	92.4	80-120	
Toluene	2340		"	2500	ND	93.6	80-120	
Ethylbenzene	2180		"	2500	ND	87.2	80-120	
Xylene (p/m)	4770		"	5000	47.5	94.4	80-120	
Xylene (o)	2150		"	2500	ND	86.0	80-120	
Surrogate: a,a,a-Trifluorotoluene	101		"	100		101	80-120	
Surrogate: 4-Bromofluorobenzene	100		"	100		100	80-120	

Environmental Lab of Texas

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

Page 8 of 12

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Jimmy Bryant

Fax: (432) 687-4914

Reported:
05/04/05 08:02

Organics by GC - Quality Control
Environmental Lab of Texas

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

Batch EE50202 - EPA 5030C (GC)

Matrix Spike Dup (EE50202-MSD1)

Source: 5D28002-05

Prepared: 04/29/05 Analyzed: 04/30/05

Benzene	2380		ug/kg	2500	ND	95.2	80-120	2.99	20
Toluene	2440		"	2500	ND	97.6	80-120	4.18	20
Ethylbenzene	2370		"	2500	ND	94.8	80-120	8.35	20
Xylene (p/m)	5240		"	5000	47.5	104	80-120	9.68	20
Xylene (o)	2410		"	2500	ND	96.4	80-120	11.4	20
Surrogate: a,a,a-Trifluorotoluene	96.1		"	100		96.1	80-120		
Surrogate: 4-Bromofluorobenzene	114		"	100		114	80-120		

Batch EE50203 - EPA 5030C (GC)

Blank (EE50203-BLK1)

Prepared & Analyzed: 05/02/05

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	90.5		ug/kg	100		90.5	80-120		
Surrogate: 4-Bromofluorobenzene	106		"	100		106	80-120		

LCS (EE50203-BS1)

Prepared & Analyzed: 05/02/05

Benzene	94.5		ug/kg	100		94.5	80-120		
Toluene	99.8		"	100		99.8	80-120		
Ethylbenzene	98.3		"	100		98.3	80-120		
Xylene (p/m)	222		"	200		111	80-120		
Xylene (o)	104		"	100		104	80-120		
Surrogate: a,a,a-Trifluorotoluene	114		"	100		114	80-120		
Surrogate: 4-Bromofluorobenzene	116		"	100		116	80-120		

Environmental Lab of Texas

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

Page 9 of 12

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Jimmy Bryant

Fax: (432) 687-4914

Reported:
05/04/05 08:02

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EE50203 - EPA 5030C (GC)									
Calibration Check (EE50203-CCV1)				Prepared: 05/02/05 Analyzed: 05/03/05					
Benzene	89.9		ug/kg	100		89.9	80-120		
Toluene	90.8		"	100		90.8	80-120		
Ethylbenzene	90.7		"	100		90.7	80-120		
Xylene (p/m)	205		"	200		102	80-120		
Xylene (o)	103		"	100		103	80-120		
Surrogate: a,a,a-Trifluorotoluene	109		"	100		109	80-120		
Surrogate: 4-Bromofluorobenzene	115		"	100		115	80-120		
Matrix Spike (EE50203-MS1)				Source: 5D29016-03		Prepared & Analyzed: 05/02/05			
Benzene	89.4		ug/kg	100	ND	89.4	80-120		
Toluene	93.5		"	100	ND	93.5	80-120		
Ethylbenzene	92.0		"	100	ND	92.0	80-120		
Xylene (p/m)	205		"	200	ND	102	80-120		
Xylene (o)	98.0		"	100	ND	98.0	80-120		
Surrogate: a,a,a-Trifluorotoluene	107		"	100		107	80-120		
Surrogate: 4-Bromofluorobenzene	116		"	100		116	80-120		
Matrix Spike Dup (EE50203-MSD1)				Source: 5D29016-03		Prepared & Analyzed: 05/02/05			
Benzene	91.6		ug/kg	100	ND	91.6	80-120	2.43	20
Toluene	94.7		"	100	ND	94.7	80-120	1.28	20
Ethylbenzene	89.3		"	100	ND	89.3	80-120	2.98	20
Xylene (p/m)	197		"	200	ND	98.5	80-120	3.49	20
Xylene (o)	92.4		"	100	ND	92.4	80-120	5.88	20
Surrogate: a,a,a-Trifluorotoluene	102		"	100		102	80-120		
Surrogate: 4-Bromofluorobenzene	111		"	100		111	80-120		

Plains All American EH & S	Project: Eunice Booster to Lea - 6 in. Loop Line	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00198	Reported:
Midland TX, 79706-4476	Project Manager: Jimmy Bryant	05/04/05 08:02

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 EE50206 - General Preparation (Prep)

Blank (EE50206-BLK1)

Prepared: 04/29/05 Analyzed: 05/02/05

% Moisture	ND	0.1	%
------------	----	-----	---

Duplicate (EE50206-DUP1)

Source: 5D29001-01

Prepared: 04/29/05 Analyzed: 05/02/05

% Moisture	6.3	0.1	%	6.2	1.60	20
------------	-----	-----	---	-----	------	----

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

Project: Eunice Booster to Lea - 6 in. Loop Line
Project Number: 2004-00198
Project Manager: Jimmy Bryant

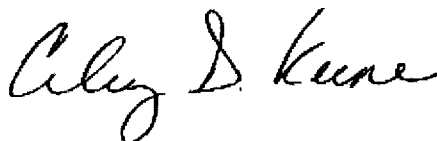
Fax: (432) 687-4914

Reported:
05/04/05 08:02

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:



Date: 5/4/2005

Raland K. Tuttle, Lab Manager
Caley 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.

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.

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Jimmy Bryant
Company Name Plains Pipeline, L.P.
Company Address: P.O. Box 3119
City/State/Zip: Midland, TX 79702
Telephone No: (505) 631-8095 Fax No: _____
Sampler Signature: [Signature]
Email: _____

Project Name: Funice Boaster ^{Loop L.N.}

Project #: 2004-00198

Project Loc: lea

PQ #:

[illegible]

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

Client: Plains AA
 Date/Time: 4/29/05 3:00
 Order #: SD29015
 Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	45 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No	
Custody Seals intact on shipping container/cooler?	Yes	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 labels?	<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:

Variance Documentation:

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

Corrective Action Taken:

ATTACHMENT II

COPY OF INITIAL C-141

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

PLWJ
0518136700

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 Eunice Booster To Lea 6" Loop Line 2004-00198	Facility Type 6" Steel Pipeline	
Surface Owner Millard Deck Estate	Mineral Owner	Lease No.

State

LOCATION OF RELEASE

Unit Letter L	Section 4	Township 21S	Range 36E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude 32° 30' 44.6"

Longitude 103° 16' 37.5"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 30 barrels	Volume Recovered 3 barrels
Source of Release 6" Steel Pipeline	Date and Hour of Occurrence 9-16-04 @ 09:30	Date and Hour of Discovery 9-16-04 @ 14:30
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Larry Johnson	
By Whom? Camille Reynolds	Date and Hour 9-16-04 @ 18:00	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* External corrosion of the 6" steel pipeline. A line clamp was installed to mitigate the release. The line is a 6 inch steel transmission pipeline that produces approximately 1,100 to 1,200 barrels of crude oil per day. The pressure on the line varies from 40 to 45 psi and the gravity of the sour crude oil is 36-37. The sour crude has an H₂S content of approximately 16 ppm

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was 7,740 ft².

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

OIL CONSERVATION DIVISION

Signature: Camille Reynolds

Printed Name: Camille Reynolds

Title: Remediation Coordinator

E-mail Address: cjreynolds@paalp.com

Date: 9-23-04

Phone: 505-441-0965

Approved by District Supervisor:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary