PLAINS
ALL AMERICAN
PIPELINE, L.P.

SITE INVESTIGATION AND CLOSURE PROPOSAL

1RP-42

Friscoe Skelly #2
Ref. # 2004-00197

SE¼ of the NW¼ of Section 6, R37E, T17S
Latitude 32°52'4.316"N and Longitude 103°17'38.146"W
Elevation ~3,810'amsl

~7 miles southeast of Lovington, Lea County, New Mexico

April 2005

Prepared by

Environmental Plus, Inc.
2100 Avenue O
P.O. Box 1558
Eunice, New Mexico 88231
Tele 505•394•3481 FAX 505•394•2601

STANDARD OF CARE

Site Investigation and Closure Proposal

Friscoe Skelly #2
Ref. # 2004-00197

The information provided in this report was collected consistent with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993), the NMOCD Unlined Surface Impoundment Closure Guidelines (February 1993), and the Environmental Plus, Inc. (EPI) Standard Operating Procedures and Quality Assurance/Quality Control Plan. The conclusions are based on field observations and laboratory analytical reports as presented in the report. Recommendations follow NMOCD guidance and represent the professional opinions of EPI staff. These opinions were arrived at with currently accepted geologic, hydrogeologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered EPI professional with a background in engineering, environmental, and/or the natural sciences.

This report was prepared by:

Patrick W. McCasland — May 3, 2005
Patrick W. McCasland — Date

This report was reviewed by:

Iain Olness, PG — 16 May 2005
Iain Olness, PG — Date

Distribution List

Name	Title	Company or Agency	Mailing Address	e-mail
Paul Sheeley	Environmental Engineer	NMOCD	1625 French Dr., Hobbs, NM 88231	PSheeley@state.nm.us
Larry Johnson	Environmental Engineer	NMOCD	1625 French Dr., Hobbs, NM 88231	LWJohnson@state.nm.us
Camille Reynolds	Environmental Supervisor	Plains	P.O. Box 3119, Midland, TX 79702	CJReynolds@paalp.com
Jeff Dann	Environmental Director	Plains	333 Clay Street Suite #1600, Houston, TX 77002	JPDann@paalp.com
file		EPI	P.O. Box 1558, Eunice, NM 88231	Enviplus1@aol.com

NMOCD - New Mexico Oil Conservation Division
Plains - Plains Pipeline, L.P.
EPI - Environmental Plus, Inc.
BLM - U.S. Department of Interior Bureau of Land Management

Table of Contents

1.0 INTRODUCTION AND SUMMARY

This site is located in UL-F (SE¼ of the NW¼) of Section 6, R37E, T17S at a latitude of 32°52'4.316"N and a longitude of 103°17'38.146"W, approximately 7 miles southeast of Lovington, New Mexico on property owned by the Robert C. Rice. Site and topographical maps are included in Attachment I. The estimated 10 barrel (bbl) crude oil leak attributed to internal/external corrosion, occurred in the Plains Pipeline, L.P. (Plains) Friscoe Skelly 6" steel pipeline with no fluids recovered occurred on September 20, 2005 at 10:00 AM and was reported to the New Mexico Oil Conservation Division (NMOCD) immediately. Approximately 338 square feet (ft^2) (18' x 20') of surface area was impacted. Local groundwater is estimated to occur at approximately 73-feet below ground surface ('bgs) and is based on water level measurements of monitoring wells associated with a Plains site approximately 1,300 feet due east of the site at a similar elevation. There are no surface water bodies or domestic or agricultural water wells observed to be within a 1,000 foot radius of the site. This gives the site a 10 point NMOCD ranking score for soil from the surface to 23'bgs and 20 points for soil >23'bgs. These rankings apply the following remedial guidelines for the "constituents/contaminants of concern" (CoCs):

CONSTITUENTS/CONTAMINANTS OF CONCERN	REMEDIAL GOAL
Benzene	10 mg/Kg
BTEX (mass sum of benzene, toluene, ethylbenzene, and xylenes	50 mg/Kg
Total Petroleum Hydrocarbon 8015m (TPH^{8015m}) Soil from the surface to 23'bgs	1,000 mg/Kg
TPH^{8015m} (Soil >23'bgs)	100 mg/Kg

In September 2004, Environmental Plus, Inc. (EPI) with direction from Plains, excavated 1,138 cubic yards (yd^3) of impacted soil from the release area and disposed of the soil in the NMOCD approved and permitted Plains Lea Station Landfarm GW-351. Samples collected in October 2004 from the sidewalls of the 16-feet deep excavation indicated that the horizontal extent of impact had been delineated; however, contaminant levels in the floor of the excavation at 16'bgs remained above the remedial goals. In November 2004, to delineate the vertical extent of impact, a trench was excavated beneath the leak origin and sampled. Analytical results for the samples collected from the leak origin trench indicated a decreasing TPH^{8015m} gradient; however, the analytical results for the sample collected from the floor of the trench at 24'bgs were above the remedial goals for TPH^{8015m}. Subsequently, a leak origin soil boring (BH1) was advanced in the bottom of the excavation. The analytical results established a decreasing TPH^{8015m} gradient (i.e., 2,070 mg/Kg at 21'bgs to an acceptable 46.8 mg/Kg at 36'bgs). However, the TPH^{8015m} concentration from the 41'bgs sample was 125 mg/Kg, in excess of the 100 mg/Kg remedial goal. On 12 April 2005, at the request of the NMOCD, additional samples were collected from a soil boring advanced to 46' bgs and 51' bgs adjacent to the leak origin soil boring (BH1). The TPH^{8015m} concentration from the 46'bgs sample was an acceptable 37.6 mg/Kg. The TPH^{8015m} concentration from the 51'bgs sample was reported as non-detectable at or above the method detection limits (MDL). The results establish a consistent decreasing gradient supporting the conclusion that the groundwater has not been

impacted. The benzene and BTEX data also support this conclusion, i.e., analytical results from the 36'bgs, 41'bgs, 46'bgs, and the 51'bgs samples were reported as not being detected at or above each analytes respective MDL.

To remediate and close the site, Plains proposes to install an oversized 20 mil thick polyethylene liner at 16'bgs over the remaining hydrocarbon source term centered beneath the leak origin. This will interrupt the vertical transport mechanism effectively isolating the crude oil residual and protecting the groundwater. Prior to liner installation, the excavation bottom will be screened in the field with a photoionization detector (PID) to determine the extent of the top of the contaminated soil column. This is necessary so that the excavation perimeter can be made to accommodate the oversized liner. Because of the rock at the site and the need to protect the liner from abrasion, the excavation bottom will be contoured with a 6 to 8-inch layer of cushioning sand prior to liner installation, similarly, a 6 to 8-inch layer of cushioning sand will be placed on top of the liner prior to backfilling with clean soil. Plains will implement this proposal upon NMOCD approval and submit a report documenting successful implementation of the proposal along with the final C-141 and a request that the NMOCD require "no further action" at the site, except follow-up reseeding of the disturbed work area and resurfacing of the caliche road, consistent with the landowner.

2.0 Environmental Media Characterization

Chemical parameters of the soil and ground water were characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the New Mexico Oil Conservation Division (NMOCD) approved "**General Work Plan for Remediation of E.O.T.T. Pipeline Spills, Leaks and Releases in New Mexico, July 2000"** and the NMOCD guidelines published in the following documents:

- Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)
- Unlined Surface Impoundment Closure Guidelines (February 1993)

Acceptable thresholds for **contaminants/constituents of concern** (CoCs) (i.e., TPH, benzene, and the mass sum of benzene, toluene, ethylbenzene, and total xylene (BTEX)), will be determined based on the NMOCD Ranking Criteria as follows:

- Depth to Ground water (i.e., distance from the lower most acceptable concentration to the ground water),
- Wellhead Protection Area (i.e., distance from fresh water supply wells), and
- Distance to Surface Water Body (i.e., horizontal distance to all down gradient surface water bodies).

2.1 Geological Description

The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-Water Conditions in Southern Lea County, New Mexico" (A.

Nicholson and A. Clebsch, 1961), describes the near surface geology of south central Lea County as an intergrade of the Quaternary Alluvium (QA) sediments (i.e., fine to medium sand) with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche.

2.2 Ecological Description

The area is an intergrade of the Great Plains and the Upper Chihuahuan Desert biomes consisting primarily of flat to rolling hills with Honey Mesquite (*Prosopis glandulosa*) along with typical desert grasses and weeds. Mammals represented, include Orrd's and Merriam's kangaroo rats, deer mice, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, and Mule Deer. Reptiles, amphibians, and birds are numerous and typical of area. A survey of Listed, Threatened, or Endangered species was not conducted.

2.3 Area Ground Water

Local ground water is estimated to occur at 73 'bgs and is based primarily on November 2004 measurements of monitoring wells at a similar surface elevation, located approximately 1,300 feet east of the site at a Plains site. New Mexico Office of the State Engineer (NMOSE) Well #4712, at an elevation 10-feet lower than the site, is located approximately 0.65 mile south with a recorded water level of 75'bgs and is consistent with the November 2004 measurements. However, water well #2474 listed in the NMOSE water well database, located approximately 0.4 mile southwest of the site at a similar surface elevation, has a groundwater level of 40'bgs that was recorded in 1954, but can not be considered to be representative of the site groundwater given the distance and direction from the site. Further, the leak origin soil boring was advanced to 51'bgs and did not encounter groundwater or moist soil typically encountered when approaching the zone of saturation. According to the USGS, the ground water elevation decreases generally to the southeast.

2.4 Area Water Wells

The area water wells recorded by the New Mexico Office of the State Engineer are annotated on the USGS topographical map included in Attachment I and the water well reports are included in Attachment IV.

2.5 Area Surface Water Bodies

There are no permanent or intermittent surface water bodies within a 1,000 feet radius of the site.

3.0 NMOCD Site Ranking

Based on the proximity of the site to protectable area water wells, surface water bodies, and depth to ground water, the site has an NMOCD ranking ~~score of 10~~ for soil down to 23'bgs and 20 points for soil >23'bgs with the soil remedial goals highlighted below in the Site Ranking Matrix.

1. Ground Water	2. Wellhead Protection Area	3. Distance to Surface Water Body
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or;<200' from private domestic water source: *20 points*	<200 horizontal feet: *20 points*
If Depth to GW 50 to 99 feet: *10 points*		200-100 horizontal feet: *10 points*
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or; >200' from private domestic water source: *0 points*	>1000 horizontal feet: *0 points*
Ground water Score = 10 &20	*Wellhead Protection Area Score= 0*	*Surface Water Score= 0*
Site Rank (1+2+3) = 20 + 0 + 0 = 10 and 20 points		

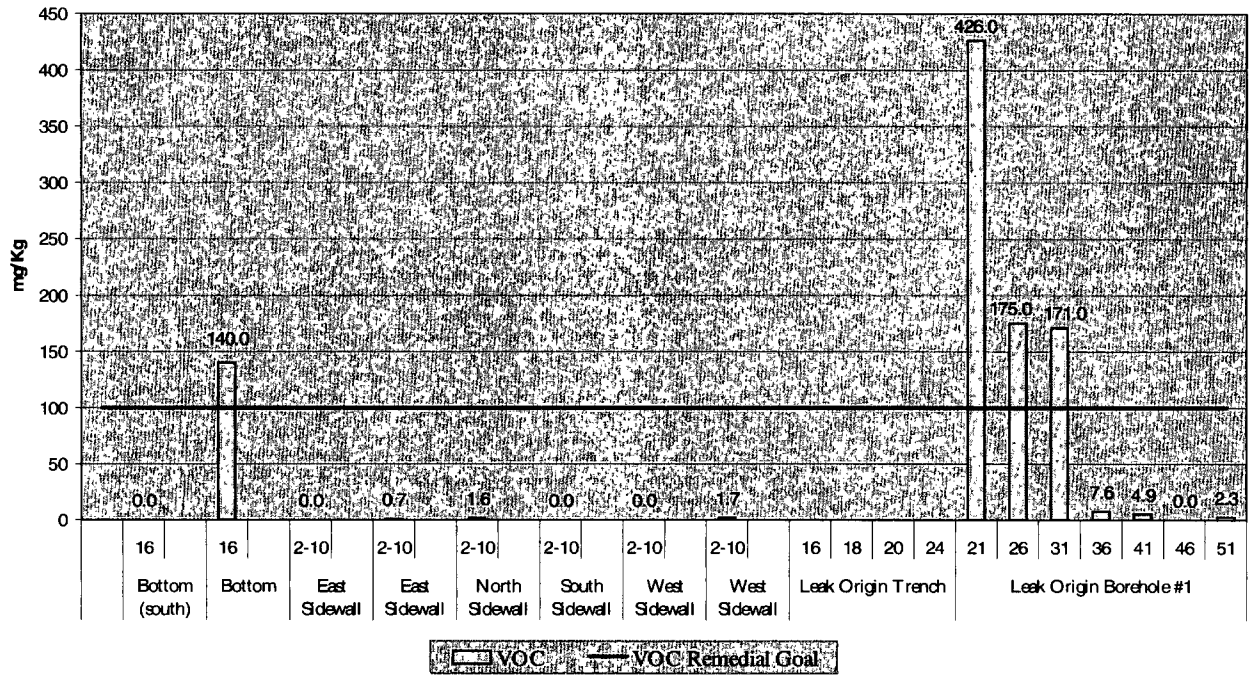
Total Site Ranking Score and Acceptable Remedial Goal Concentrations

Parameter	>19 (23 to 73'bgs)	10-19 (surface to 23'bgs)	0-9
Benzene[1]	**10 ppm**	**10 ppm**	10 ppm
BTEX[1]	**50 ppm**	**50 ppm**	50 ppm
TPH	**100 ppm**	**1000 ppm**	5000 ppm

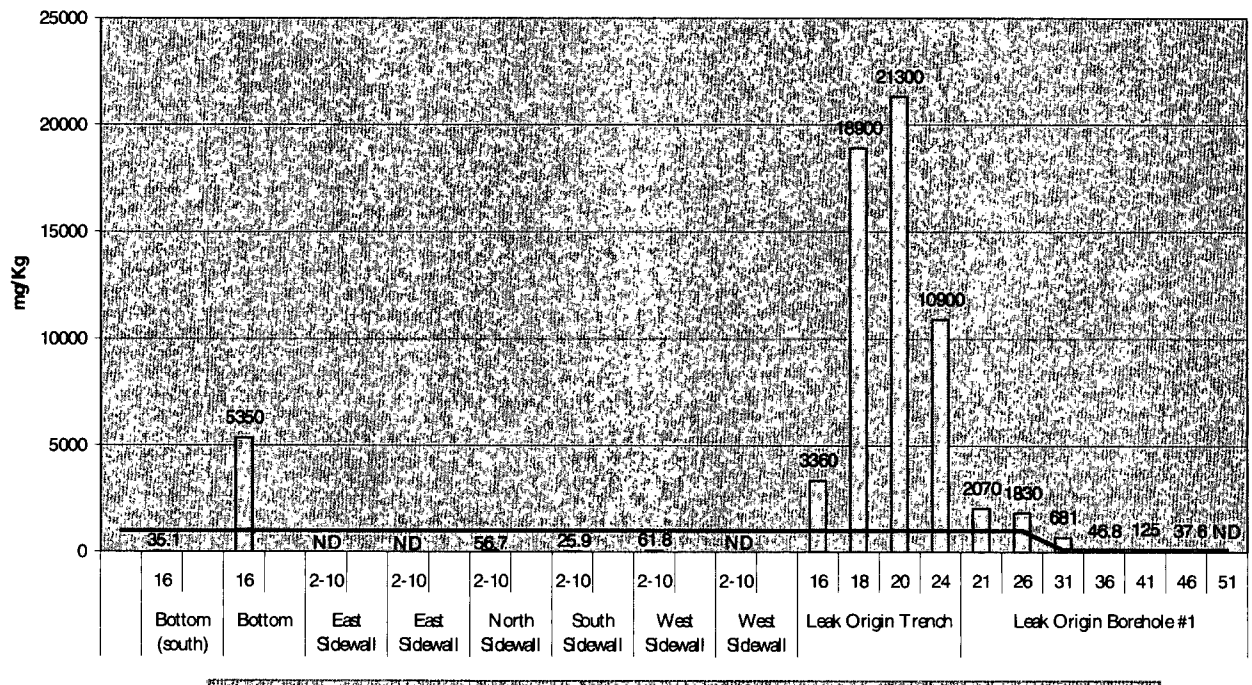
4.0 SUBSURFACE SOIL INVESTIGATION

In September 2004, Environmental Plus, Inc. (EPI) with direction from Plains, excavated 1,138 cubic yards ~~(yd^3) of impacte~~d soil from the release area and disposed of the soil in the NMOCD approved and permitted Plains Lea Station Landfarm GW-351. Samples collected in October 2004 from the sidewalls of the 16-feet deep excavation indicated that the horizontal extent of impact had been delineated; however, contaminant levels in the floor of the excavation at 16'bgs remained above the remedial goals. In November 2004, to delineate the vertical extent of impact, a trench was excavated beneath the leak origin and sampled. Analytical results for the samples collected from the leak origin trench indicated a decreasing TPH^{8015m} gradient; however, the analytical results for the sample collected from the floor of the trench at 24'bgs were above the remedial goals for TPH^{8015m}. Subsequently, a leak origin soil boring (BH1) was advanced in the bottom of the excavation. The analytical results established a decreasing TPH^{8015m} gradient (i.e., 2,070 mg/Kg at 21'bgs to an acceptable 46.8 mg/Kg at 36'bgs). However, the TPH^{8015m} concentration from the 41'bgs sample was 125 mg/Kg, in excess of the 100 mg/Kg remedial goal. On 12 April 2005, at the request of the NMOCD, additional samples were collected from a soil boring advanced to 46' bgs and 51' bgs adjacent to the leak origin soil boring (BH1). The TPH^{8015m} concentration from the 46'bgs sample was an acceptable 37.6 mg/Kg. The TPH^{8015m} concentration from the 51'bgs sample was reported as non-detectable at or above the method detection limits (MDL). The results establish a consistent decreasing gradient supporting the conclusion that the groundwater has not been impacted. The benzene and BTEX data also support this conclusion, i.e., analytical results from the 36'bgs, 41'bgs, 46'bgs, and the 51'bgs samples were reported as not being detected at or above each analytes respective MDL. The laboratory reports are summarized and provided in Attachment III and illustrated below.

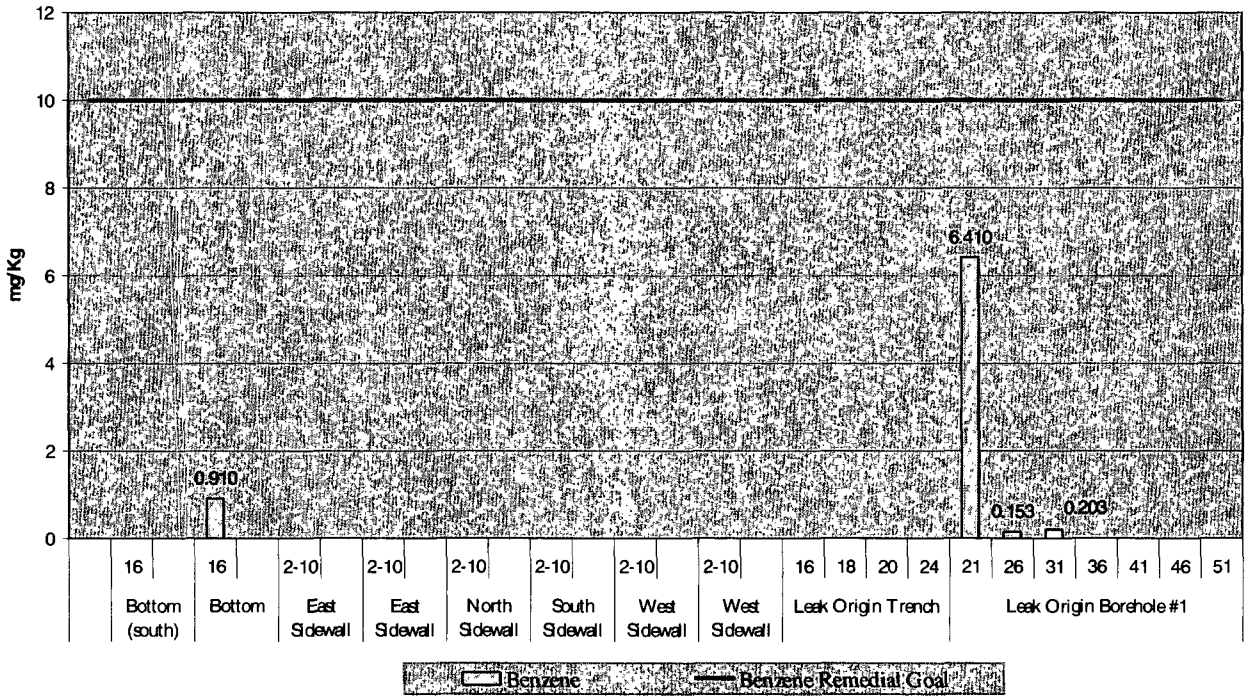
Plains All American Pipeline
Friscoe Skelly #2 #2004-00197
Volatile Organic Constituents (VOC) Delineation



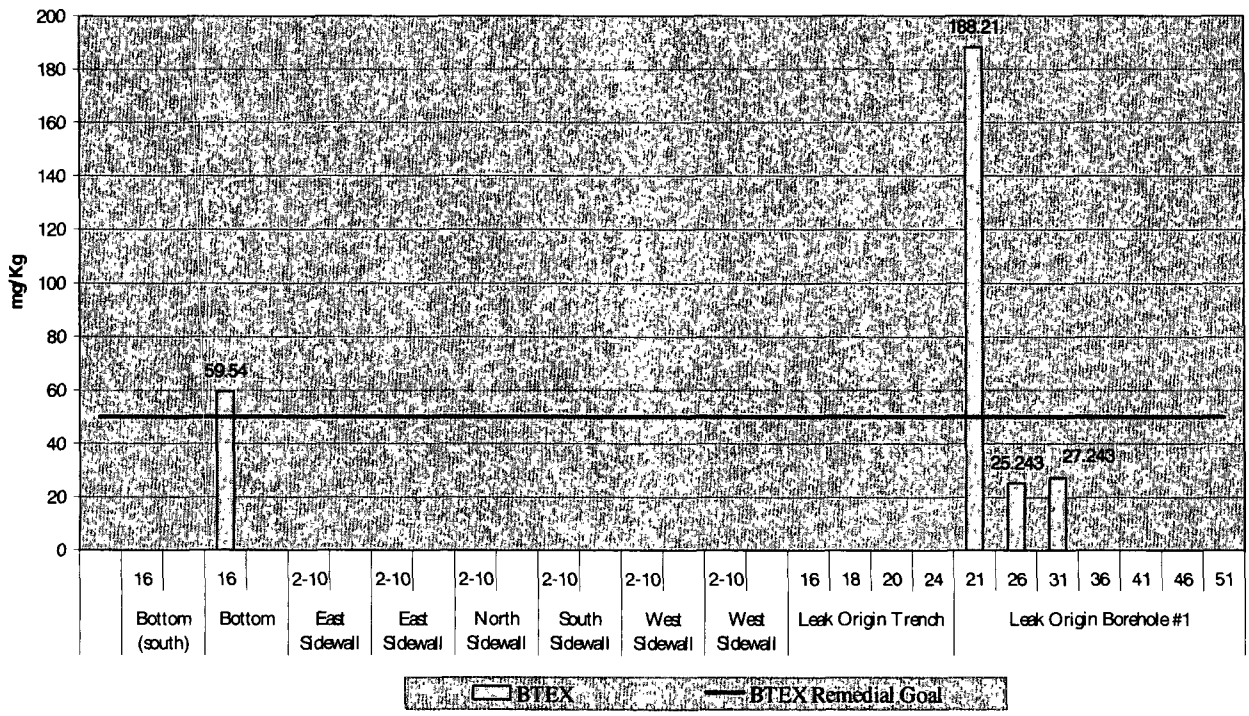
Plains All American Pipeline
Friscoe Skelly #2 #2004-00197
Total Petroleum Hydrocarbon 8015M Delineation



Plains All American Pipeline
Friscoe Skelly #2 #2004-00197
Benzene Delineation



Plains All American Pipeline
Friscoe Skelly #2 #2004-00197
BTEX Delineation



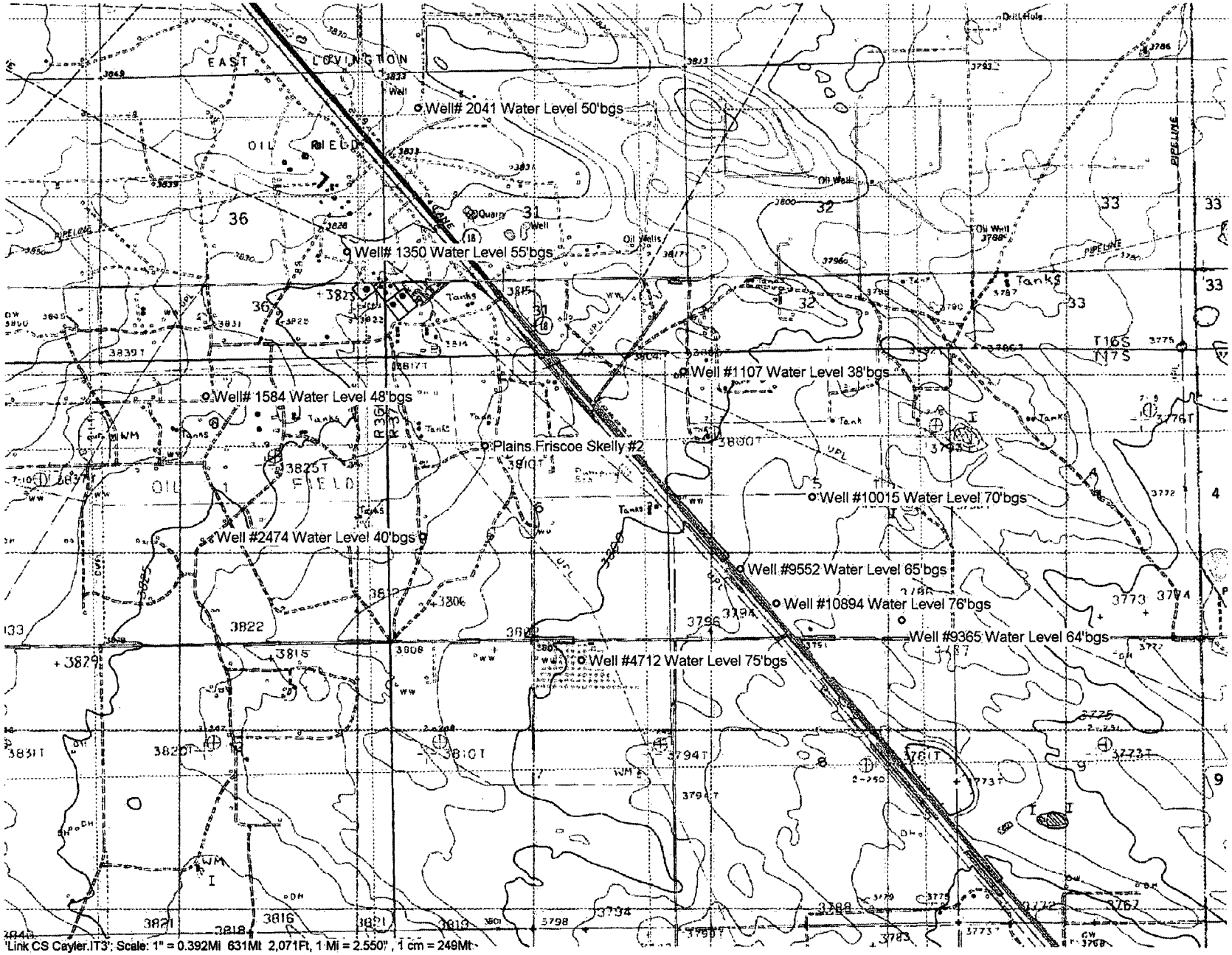
5.0 GROUND WATER INVESTIGATION

The soil investigation indicates the groundwater has not been impacted.

6.0 SOIL REMEDIATION PROPOSAL

To remediate and close the site, Plains proposes to install an oversized 20 mil thick polyethylene liner at 16'bgs over the remaining hydrocarbon source term centered beneath the leak origin. This will interrupt the vertical transport mechanism effectively isolating the crude oil residual and protecting the groundwater. Prior to liner installation the excavation bottom will be screened in the field with a PID to determine the extent of the top of the contaminated soil column. This is necessary so that the excavation perimeter can be made to accommodate the oversized liner. Because of the rock at the site and the need to protect the liner from abrasion, the excavation bottom will be contoured with a 6 to 8-inch layer of cushioning sand prior to liner installation, similarly, a 6 to 8-inch layer of cushioning sand will be placed on top of the liner prior to backfilling with clean soil. Plains will implement this proposal upon NMOCD approval and submit a report documenting successful implementation of the proposal along with the final form C-141 and a request that the NMOCD require "no further action" at the site, except follow-up reseeding of the disturbed work area and resurfacing the caliche road, consistent with the landowner. Plains will also ensure that the NMOCD is notified at least 48 hours prior to liner installation.

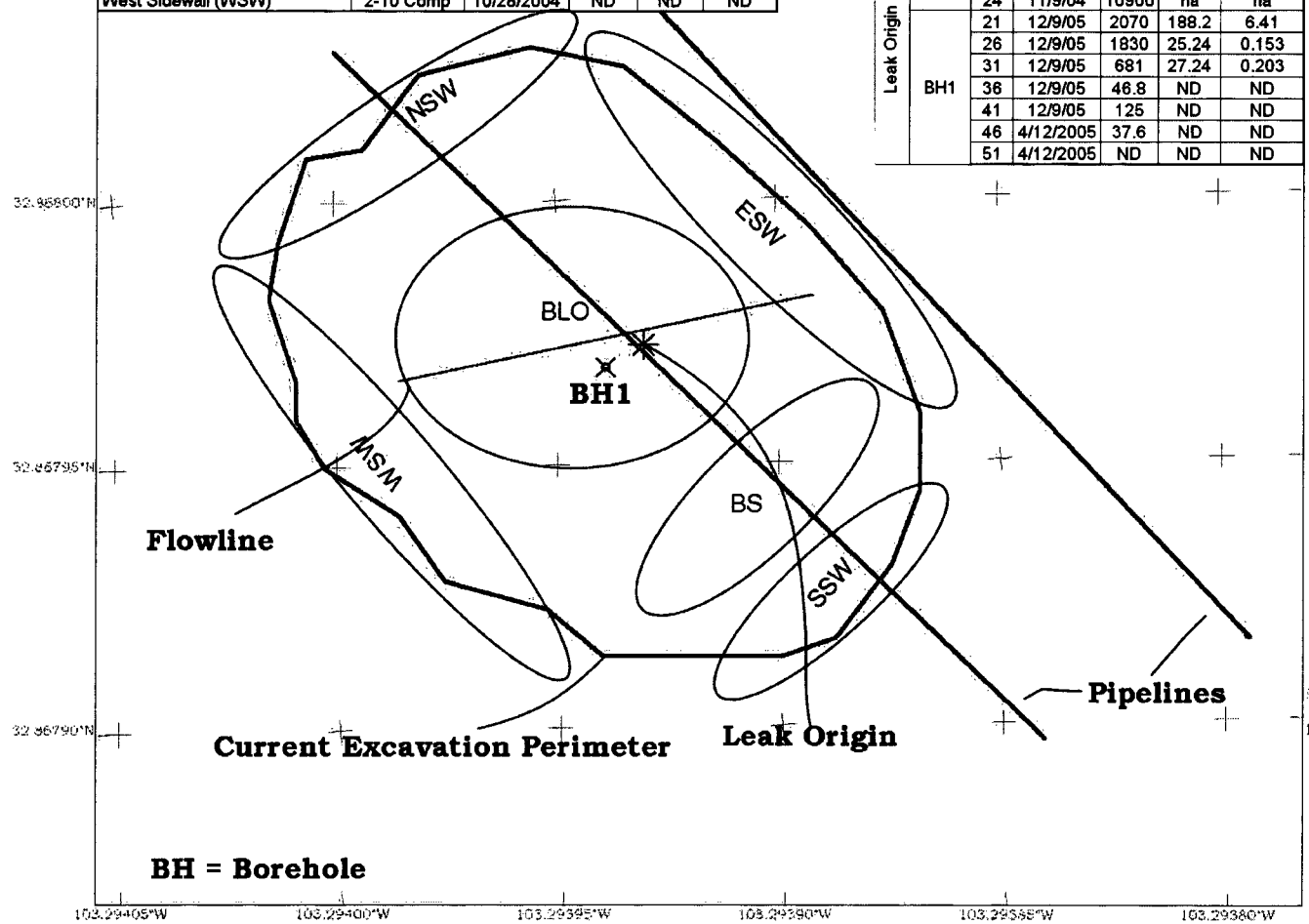
ATTACHMENT I SITE MAPS


Well# 2041 Water Level 50'bgs
Well# 1350 Water Level 55'bgs
Well #1107 Water Level 38'bgs
Well# 1584 Water Level 48'bgs
Plains Friscoe Skelly #2
Well #10015 Water Level 70'bgs
Well #2474 Water Level 40'bgs
Well #9552 Water Level 65'bgs
Well #10894 Water Level 76'bgs
Well #9365 Water Level 64'bgs
Well #4712 Water Level 75'bgs
EAST LOVINGTON
OIL FIELD
T16S
R36E
'Link CS Cayler.IT3'; Scale: 1" = 0.392Mi 631Mt 2,071Ft, 1 Mi = 2.550", 1 cm = 249Mt


Plains Friscoe Skelly #2
32°52.00'N
103°17.75'W
103°17.50'W
PLAINS ALL AMERICAN
FRISCOE SKELLY #2
#2004-00197
UL-F SEC 6
T17S R37E
LEA CO NM
AFFECTED AREA
338 SQFT
N
SCALE 1:4,000
0
400.0
FEET
UNIVERSAL TRANSVERSE MERCATOR
13 NORTH
NAD 1983 HPGN (NEW MEXICO)
FRISCOE SKELLY NO ROAD.SSF
10/11/2004

Sample Location	Sampling Interval (FT. BGS)	Date	TPH	BTEX	Benzene
			mg/Kg	mg/Kg	mg/Kg
Bottom (south) (BS)	16	9/24/2004	35.1	ND	ND
Bottom Leak Origin (BLO)	16	10/28/2004	5350	59.54	0.91
East Sidewall (ESW)	2-10 Comp	10/28/2004	ND	ND	ND
North Sidewall (NSW)	2-10 Comp	10/28/2004	56.7	ND	ND
South Sidewall (SSW)	2-10 Comp	9/24/2004	25.9	ND	ND
West Sidewall (WSW)	2-10 Comp	10/28/2004	ND	ND	ND

Sample Location		Sampling Interval	Date	TPH	BTEX	Benzene
				mg/Kg	mg/Kg	mg/Kg
Leak Origin	Trench	18	11/9/04	18900	na	na
		20	11/9/04	21300	na	na
		24	11/9/04	10900	na	na
	BH1	21	12/9/05	2070	188.2	6.41
		26	12/9/05	1830	25.24	0.153
		31	12/9/05	681	27.24	0.203
		36	12/9/05	46.8	ND	ND
		41	12/9/05	125	ND	ND
		46	4/12/2005	37.6	ND	ND
		51	4/12/2005	ND	ND	ND



Plains Friscoe Skelly #2 #2004-00197 UL-F Sec 6 T17S R37E Lea Co NM Excavation Map December 2004

N

Scale 1:150

0 15.00

Feet

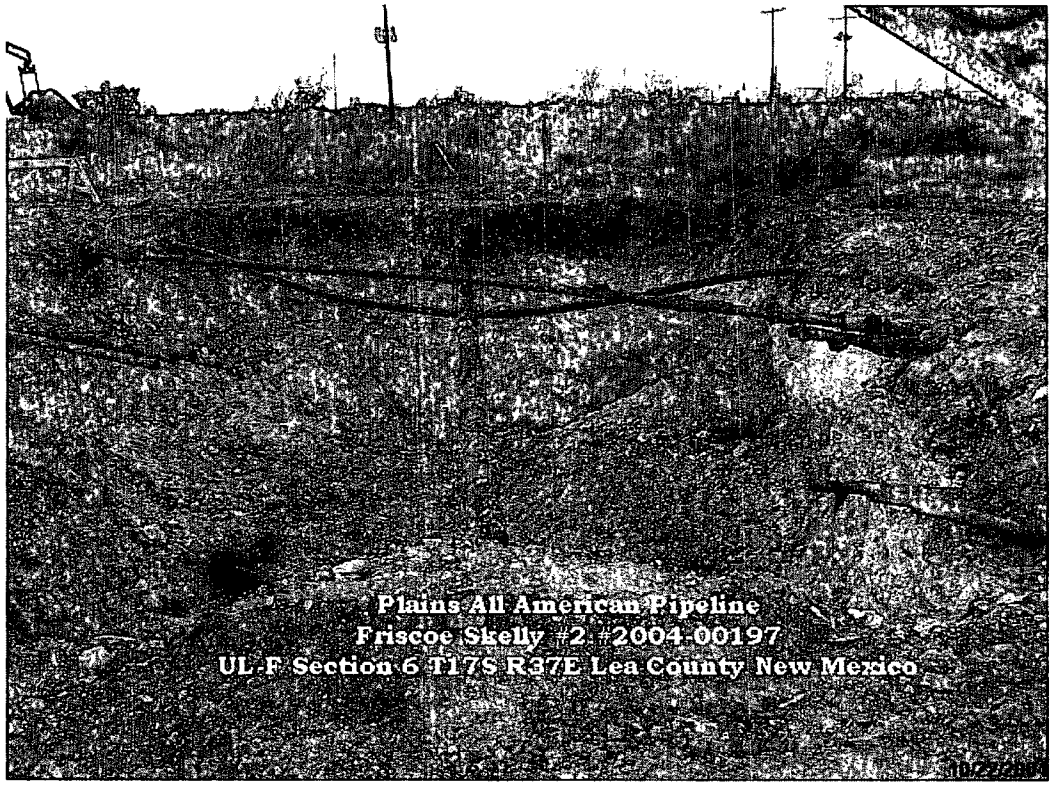
Universal Transverse Mercator
13 North
NAD 1983 HPGN (New Mexico)

Friscoe Skelly no road.ssf

3/6/2005

ATTACHMENT II PHOTOGRAPHS


DEERE
Plains All American Pipeline
Friscoe Skelly #2 #2004-00197
UL-F Section 6 T17S R37E Lea County New Mexico


Plains All American Pipeline
Friscoe Skelly #2 #2004-00197
UL-F Section 6 T17S R37E Lea County New Mexico

ATTACHMENT III ANALYTICAL REPORTS AND SUMMARY

Plains Pipeline, L.P.
Friscoe Skelly #2 #2004-00197 Soil Delineation Information

Sample Location	Vertical Sampling Interval (FT. BGS[1])	SAMPLE ID#	Date	Lithology	VOC[9]	GRO[3]	DRO[4]	TPH[5]	BTEX	Benzene	Toluene	Ethylbenzene	Xylene (m,p)	Xylene (o)
					ppm	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
South Sidewall Composite	2-10	SPFS92404SSWC4'	9/24/2004	Caliche	--	<10	25.9	25.9	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
East Sidewall Composite	2-10	SPFS92404ESWC4'	9/24/2004	Caliche	--	<10	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
West Sidewall Composite	2-10	SPFS92404WSWC4'	9/24/2004	Caliche	--	10.9	50.9	61.8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
South Bottom Composite	16	SPFS92404BHC16'	9/24/2004	Caliche	--	(7.79J)	35.1	35.1	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Bottom	16	SPFS102804BH	10/28/2004	Caliche	140	1190	4,160	5,350	59.5	0.91	11.1	15.3	22.3	9.93
North Sidewall Composite	2-10	SPFS102804NSW	10/28/2004	Caliche	1.6	<10	56.7	56.7	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
East Sidewall Composite	2-10	SPFS102804ESW	10/28/2004	Caliche	0.7	<10	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
West Sidewall Composite	2-10	SPFS102804WSW	10/28/2004	Caliche	1.7	<10	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Leak Origin Trench	16	SPFS110904BH16	11/9/2004	Caliche	--	796	2,570	3,360	NA	NA	NA	NA	NA	NA
Leak Origin Trench	18	SPFS110904BH18	11/9/2004	Caliche	--	8,060	18,900	18,900	NA	NA	NA	NA	NA	NA
Leak Origin Trench	20	SPFS110904BH20	11/9/2004	Caliche	--	8,190	13,100	21,300	NA	NA	NA	NA	NA	NA
Leak Origin Trench	24	SPFS110904BH24	11/9/2004	Caliche	--	4,400	6,490	10,900	NA	NA	NA	NA	NA	NA
Leak Origin Borehole #1	21	F.S. BH#1-5'	12/9/2005	Caliche	426	1,020	1,050	2,070	188	6.41	55.5	43.6	60.0	22.7
Leak Origin Borehole #1	26	F.S. BH#1-10'	12/9/2005	Caliche	175	498	1,330	1,830	25.2	0.153	4.14	6.81	10.5	3.64
Leak Origin Borehole #1	31	F.S. BH#1-15'	12/9/2005	Sand	171	243	438	681	27.2	0.203	4.82	7.24	10.7	4.28
Leak Origin Borehole #1	36	F.S. BH#1-20'	12/9/2005	Sand	7.6	(8.36J)	46.8	46.8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Leak Origin Borehole #1	41	F.S. BH#1-25'	12/9/2005	Sand	4.9	(5.82J)	125	125	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Leak Origin Borehole #1	46	FS041205 30'	4/12/2005	Sand	0.0	<10	37.6	37.6	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Leak Origin Borehole #1	51	FS041205 35'	4/12/2005	Sand	2.3	<10	<10	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
New Mexico Oil Conservation Division Site Remedial Goals - Surface to 23'bgs					100			1,000	50	10				
New Mexico Oil Conservation Division Site Remedial Goals - >23'bgs					100			100	50	10				

[1]bgs – below ground surface

[3]GRO-Gasoline Range Organics C_6-C_{10}

[4]DRO-Diesel Range Organics C_{10}-C_{35}

[5]TPH-Total Petroleum Hydrocarbon = GRO+DRO.

[6]Bolded values are in excess of the New Mexico Oil Conservation Division guideline threshold for the parameter

[7]Soil chloride residuals must not be capable of impacting groundwater or surface water above Water Quality Control Commission (WQCC) standard of 250 mg/L.

[8]NA - not analyzed

[9]VOC - Volatile Organic Constituent/Contaminant Headspace

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

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Jeff Dann

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Friscoe-Skelly #2

Project Number: 2004-00197

Location: None Given

Lab Order Number: 4I24012

Report Date: 09/27/04

Plains All American EH & S	Project: Friscoe-Skelly #2	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00197	**Reported:**
Midland TX, 79706-4476	Project Manager: Jeff Dann	09/27/04 16:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SPFS92404SSWC4'	4I24012-01	Soil	09/24/04 08:00	09/24/04 13:45
SPFS92404ESWC4'	4I24012-03	Soil	09/24/04 08:25	09/24/04 13:45
SPFS92404WSWC4'	4I24012-04	Soil	09/24/04 08:35	09/24/04 13:45
SPFS92404BHC16"	4I24012-05	Soil	09/24/04 08:45	09/24/04 13:45

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

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPFS92404SSWC4' (4I24012-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI42711	09/24/04	09/26/04	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		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI42302	09/24/04	09/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	**25.9**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**25.9**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*121 %*	*70-130*		"	"	"	"	
SPFS92404ESWC4' (4I24012-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI42711	09/24/04	09/26/04	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		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI42302	09/24/04	09/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*115 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*123 %*	*70-130*		"	"	"	"	
SPFS92404WSWC4' (4I24012-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI42711	09/24/04	09/26/04	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		*94.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**10.9**	10.0	mg/kg dry	1	EI42302	09/24/04	09/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	**50.9**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**61.8**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPFS92404WSWC4' (4I24012-04) Soil									
Surrogate: 1-Chlorooctane		*117 %*	*70-130*		*EI42302*	*09 24 04*	*09 24 04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*122 %*	*70-130*		"	"	"	"	
SPFS92404BHC16" (4I24012-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI42711	09/24/04	09/26/04	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		*99.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [7.79]**	10.0	mg/kg dry	1	EI42302	09/24/04	09/24/04	EPA 8015M	J
Diesel Range Organics >C12-C35	**35.1**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**35.1**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPFS92404SSWC4' (4I24012-01) Soil									
% Solids	**92.0**		%	1	EI42712	09/24/04	09/24/04	% calculation	
SPFS92404ESWC4' (4I24012-03) Soil									
% Solids	**90.0**		%	1	EI42712	09/24/04	09/24/04	% calculation	
SPFS92404WSWC4' (4I24012-04) Soil									
% Solids	**89.0**		%	1	EI42712	09/24/04	09/24/04	% calculation	
SPFS92404BHC16'' (4I24012-05) Soil									
% Solids	**93.0**		%	1	EI42712	09/24/04	09/24/04	% calculation	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI42302 - Solvent Extraction (GC)										
Blank (EI42302-BLK1)				Prepared: 09/23/04 Analyzed: 09/24/04						
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	*47.8*		*mg kg*	*50.0*		*95.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.3*		*"*	*50.0*		*105*	*70-130*			
Blank (EI42302-BLK2)				Prepared: 09/23/04 Analyzed: 09/24/04						
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	*46.0*		*mg kg*	*50.0*		*92.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.6*		*"*	*50.0*		*71.2*	*70-130*			
LCS (EI42302-BS1)				Prepared: 09/23/04 Analyzed: 09/24/04						
Gasoline Range Organics C6-C12	444	10.0	mg/kg wet	500		88.8	75-125			
Diesel Range Organics >C12-C35	586	10.0	"	500		117	75-125			
Total Hydrocarbon C6-C35	1030	10.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	*57.8*		*mg kg*	*50.0*		*116*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.5*		*"*	*50.0*		*129*	*70-130*			
LCS (EI42302-BS2)				Prepared: 09/23/04 Analyzed: 09/24/04						
Gasoline Range Organics C6-C12	434	10.0	mg/kg wet	500		86.8	75-125			
Diesel Range Organics >C12-C35	456	10.0	"	500		91.2	75-125			
Total Hydrocarbon C6-C35	890	10.0	"	1000		89.0	75-125			
Surrogate: 1-Chlorooctane	*51.8*		*mg kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.8*		*"*	*50.0*		*77.6*	*70-130*			
Calibration Check (EI42302-CCV1)				Prepared: 09/23/04 Analyzed: 09/24/04						
Gasoline Range Organics C6-C12	448		mg/kg	500		89.6	80-120			
Diesel Range Organics >C12-C35	553		"	500		111	80-120			
Total Hydrocarbon C6-C35	1000		"	1000		100	80-120			
Surrogate: 1-Chlorooctane	*59.1*		*"*	*50.0*		*118*	*70-130*			
Surrogate: 1-Chlorooctadecane	*61.9*		*"*	*50.0*		*124*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI42302 - Solvent Extraction (GC)										
Calibration Check (EI42302-CCV2)				Prepared: 09/23/04 Analyzed: 09/24/04						
Gasoline Range Organics C6-C12	484		mg/kg	500		96.8	80-120			
Diesel Range Organics >C12-C35	546		"	500		109	80-120			
Total Hydrocarbon C6-C35	1030		"	1000		103	80-120			
Surrogate: 1-Chlorooctane	*54.7*		"	*50.0*		*109*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.8*		"	*50.0*		*106*	*70-130*			
Matrix Spike (EI42302-MS1)	**Source: 4I23001-01**			Prepared: 09/23/04 Analyzed: 09/24/04						
Gasoline Range Organics C6-C12	493	10.0	mg/kg dry	532	19.3	89.0	75-125			
Diesel Range Organics >C12-C35	654	10.0	"	532	73.6	109	75-125			
Total Hydrocarbon C6-C35	1150	10.0	"	1060	92.9	99.7	75-125			
Surrogate: 1-Chlorooctane	*58.6*		*mg kg*	*50.0*		*117*	*70-130*			
Surrogate: 1-Chlorooctadecane	*63.0*		"	*50.0*		*126*	*70-130*			
Matrix Spike (EI42302-MS2)	**Source: 4I23012-10**			Prepared: 09/23/04 Analyzed: 09/25/04						
Gasoline Range Organics C6-C12	493	10.0	mg/kg dry	515	9.75	93.8	75-125			
Diesel Range Organics >C12-C35	738	10.0	"	515	199	105	75-125			
Total Hydrocarbon C6-C35	1230	10.0	"	1030	199	100	75-125			
Surrogate: 1-Chlorooctane	*59.8*		*mg kg*	*50.0*		*120*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.6*		"	*50.0*		*99.2*	*70-130*			
Matrix Spike Dup (EI42302-MSD1)	**Source: 4I23001-01**			Prepared: 09/23/04 Analyzed: 09/24/04						
Gasoline Range Organics C6-C12	513	10.0	mg/kg dry	532	19.3	92.8	75-125	3.98	20	
Diesel Range Organics >C12-C35	661	10.0	"	532	73.6	110	75-125	1.06	20	
Total Hydrocarbon C6-C35	1170	10.0	"	1060	92.9	102	75-125	1.72	20	
Surrogate: 1-Chlorooctane	*61.4*		*mg kg*	*50.0*		*123*	*70-130*			
Surrogate: 1-Chlorooctadecane	*63.4*		"	*50.0*		*127*	*70-130*			
Matrix Spike Dup (EI42302-MSD2)	**Source: 4I23012-10**			Prepared: 09/23/04 Analyzed: 09/25/04						
Gasoline Range Organics C6-C12	483	10.0	mg/kg dry	515	9.75	91.9	75-125	2.05	20	
Diesel Range Organics >C12-C35	739	10.0	"	515	199	105	75-125	0.135	20	
Total Hydrocarbon C6-C35	1220	10.0	"	1030	199	99.1	75-125	0.816	20	
Surrogate: 1-Chlorooctane	*59.8*		*mg kg*	*50.0*		*120*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.7*		"	*50.0*		*97.4*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI42711 - EPA 5030C (GC)										
Blank (EI42711-BLK1)				Prepared: 09/24/04 Analyzed: 09/26/04						
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	*81.6*		*"*	*100*		*81.6*	*80-120*			
LCS (EI42711-BS1)				Prepared: 09/24/04 Analyzed: 09/26/04						
Benzene	108		ug/kg	100		108	80-120			
Toluene	108		"	100		108	80-120			
Ethylbenzene	98.4		"	100		98.4	80-120			
Xylene (p/m)	217		"	200		108	80-120			
Xylene (o)	105		"	100		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	*119*		*"*	*100*		*119*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*93.2*		*"*	*100*		*93.2*	*80-120*			
Calibration Check (EI42711-CCV1)				Prepared: 09/24/04 Analyzed: 09/27/04						
Benzene	96.3		ug/kg	100		96.3	80-120			
Toluene	95.9		"	100		95.9	80-120			
Ethylbenzene	85.6		"	100		85.6	80-120			
Xylene (p/m)	190		"	200		95.0	80-120			
Xylene (o)	89.1		"	100		89.1	80-120			
Surrogate: a,a,a-Trifluorotoluene	*114*		*"*	*100*		*114*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*96.3*		*"*	*100*		*96.3*	*80-120*			
Matrix Spike (EI42711-MS1)	**Source: 4I24012-01**			Prepared: 09/24/04 Analyzed: 09/26/04						
Benzene	102		ug/kg	100	ND	102	80-120			
Toluene	102		"	100	ND	102	80-120			
Ethylbenzene	97.8		"	100	ND	97.8	80-120			
Xylene (p/m)	220		"	200	ND	110	80-120			
Xylene (o)	104		"	100	ND	104	80-120			
Surrogate: a,a,a-Trifluorotoluene	*118*		*"*	*100*		*118*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*100*		*"*	*100*		*100*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI42711 - EPA 5030C (GC)										
Matrix Spike Dup (EI42711-MSD1)	**Source: 4I24012-01**			Prepared: 09/24/04 Analyzed: 09/26/04						
Benzene	103		ug/kg	100	ND	103	80-120	0.976	20	
Toluene	104		"	100	ND	104	80-120	1.94	20	
Ethylbenzene	99.8		"	100	ND	99.8	80-120	2.02	20	
Xylene (p/m)	224		"	200	ND	112	80-120	1.80	20	
Xylene (o)	106		"	100	ND	106	80-120	1.90	20	
Surrogate: a,a,a-Trifluorotoluene	*118*		*"*	*100*		*118*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*105*		*"*	*100*		*105*	*80-120*			

Plains All American EH & S	Project: Friscoe-Skelly #2	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00197	**Reported:**
Midland TX, 79706-4476	Project Manager: Jeff Dann	09/27/04 16:44

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 EI42712 - % Solids										
Blank (EI42712-BLK1)				Prepared & Analyzed: 09/24/04						
% Solids	100		%							
Duplicate (EI42712-DUP1)		**Source: 4I22009-01**		Prepared & Analyzed: 09/24/04						
% Solids	81.0		%		81.0			0.00	20	

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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: 9/27/04

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 Biezugbe, Lab Tech.

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Daniel Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Friscoe Skelly #2

Project Number: 2004-00197

Location: None Given

Lab Order Number: 4J29004

Report Date: 11/05/04

Plains All American EH & S	Project: Friscoe Skelly	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00197	**Reported:**
Midland TX, 79706-4476	Project Manager: Daniel Bryant	11/05/04 14:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SPFS102804BH	4J29004-01	Soil	10/28/04 14:00	10/29/04 11:03
SPFS102804NSW	4J29004-02	Soil	10/28/04 14:30	10/29/04 11:03
SPFS102804ESW	4J29004-03	Soil	10/28/04 14:45	10/29/04 11:03
SPFS102804WSW	4J29004-04	Soil	10/28/04 15:00	10/29/04 11:03

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Plains All American EH & S	Project: Friscoe Skelly	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00197	**Reported:**
Midland TX, 79706-4476	Project Manager: Daniel Bryant	11/05/04 14:45

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPFS102804BH (4J29004-01) Soil									
Benzene	**0.910**	0.100	mg/kg dry	100	EK40306	11/02/04	11/03/04	EPA 8021B	
Toluene	**11.1**	0.100	"	"	"	"	"	"	
Ethylbenzene	**15.3**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**22.3**	0.100	"	"	"	"	"	"	
Xylene (o)	**9.93**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*174 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*124 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**1190**	10.0	mg/kg dry	1	EJ42907	10/29/04	10/30/04	EPA 8015M	
Diesel Range Organics >C12-C35	**4160**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**5350**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*82.4 %*	*70-130*		"	"	"	"	
SPFS102804NSW (4J29004-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK40306	11/02/04	11/03/04	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		*81.9 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.7 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ42907	10/29/04	10/30/04	EPA 8015M	
Diesel Range Organics >C12-C35	**56.7**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**56.7**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*120 %*	*70-130*		"	"	"	"	
SPFS102804ESW (4J29004-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK40306	11/02/04	11/03/04	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		*87.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ42907	10/29/04	10/30/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPFS102804ESW (4J29004-03) Soil									
Surrogate: 1-Chlorooctane		*70.2 %*	*70-130*		*EJ42907*	*10 29 04*	*10 30 04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*75.4 %*	*70-130*		"	"	"	"	
SPFS102804WSW (4J29004-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK40306	11/02/04	11/03/04	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		*87.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.6 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ42907	10/29/04	10/30/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*96.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	

Plains All American EH & S	Project: Friscoe Skelly	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00197	**Reported:**
Midland TX, 79706-4476	Project Manager: Daniel Bryant	11/05/04 14:45

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPFS102804BH (4J29004-01) Soil									
% Moisture	**8.0**		%	1	EK40102	11/01/04	11/01/04	% calculation	
SPFS102804NSW (4J29004-02) Soil									
% Moisture	**13.0**		%	1	EK40102	11/01/04	11/01/04	% calculation	
SPFS102804ESW (4J29004-03) Soil									
% Moisture	**11.0**		%	1	EK40102	11/01/04	11/01/04	% calculation	
SPFS102804WSW (4J29004-04) Soil									
% Moisture	**13.0**		%	1	EK40102	11/01/04	11/01/04	% calculation	

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

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 EJ42907 - Solvent Extraction (GC)										
Blank (EJ42907-BLK1)				Prepared & Analyzed: 10/29/04						
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	*44.5*		*mg kg*	*50.0*		*89.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.5*		*"*	*50.0*		*97.0*	*70-130*			
Blank (EJ42907-BLK2)				Prepared: 10/29/04 Analyzed: 10/30/04						
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	*48.1*		*mg kg*	*50.0*		*96.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.8*		*"*	*50.0*		*97.6*	*70-130*			
LCS (EJ42907-BS1)				Prepared & Analyzed: 10/29/04						
Gasoline Range Organics C6-C12	473	10.0	mg/kg wet	500		94.6	75-125			
Diesel Range Organics >C12-C35	518	10.0	"	500		104	75-125			
Total Hydrocarbon C6-C35	991	10.0	"	1000		99.1	75-125			
Surrogate: 1-Chlorooctane	*51.4*		*mg kg*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.5*		*"*	*50.0*		*93.0*	*70-130*			
LCS (EJ42907-BS2)				Prepared: 10/29/04 Analyzed: 10/30/04						
Gasoline Range Organics C6-C12	518	10.0	mg/kg wet	500		104	75-125			
Diesel Range Organics >C12-C35	540	10.0	"	500		108	75-125			
Total Hydrocarbon C6-C35	1060	10.0	"	1000		106	75-125			
Surrogate: 1-Chlorooctane	*57.9*		*mg kg*	*50.0*		*116*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.2*		*"*	*50.0*		*120*	*70-130*			
LCS Dup (EJ42907-BSD2)				Prepared: 10/29/04 Analyzed: 10/30/04						
Gasoline Range Organics C6-C12	502	10.0	mg/kg wet	500		100	75-125	3.14	20	
Diesel Range Organics >C12-C35	551	10.0	"	500		110	75-125	2.02	20	
Total Hydrocarbon C6-C35	1050	10.0	"	1000		105	75-125	0.948	20	
Surrogate: 1-Chlorooctane	*56.2*		*mg kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.8*		*"*	*50.0*		*118*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ42907 - Solvent Extraction (GC)										
Calibration Check (EJ42907-CCV1)				Prepared & Analyzed: 10/29/04						
Gasoline Range Organics C6-C12	492		mg/kg	500		98.4	80-120			
Diesel Range Organics >C12-C35	506		"	500		101	80-120			
Total Hydrocarbon C6-C35	998		"	1000		99.8	80-120			
Surrogate: 1-Chlorooctane	*50.0*		"	*50.0*		*100*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.0*		"	*50.0*		*96.0*	*70-130*			
Calibration Check (EJ42907-CCV2)				Prepared: 10/29/04 Analyzed: 10/30/04						
Gasoline Range Organics C6-C12	500		mg/kg	500		100	80-120			
Diesel Range Organics >C12-C35	559		"	500		112	80-120			
Total Hydrocarbon C6-C35	1060		"	1000		106	80-120			
Surrogate: 1-Chlorooctane	*57.4*		"	*50.0*		*115*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.6*		"	*50.0*		*121*	*70-130*			
Matrix Spike (EJ42907-MS1)	**Source: 4J29003-04**			Prepared: 10/29/04 Analyzed: 10/30/04						
Gasoline Range Organics C6-C12	571	10.0	mg/kg dry	526	ND	109	75-125			
Diesel Range Organics >C12-C35	597	10.0	"	526	ND	113	75-125			
Total Hydrocarbon C6-C35	1170	10.0	"	1050	ND	111	75-125			
Surrogate: 1-Chlorooctane	*57.9*		*mg kg*	*50.0*		*116*	*70-130*			
Surrogate: 1-Chlorooctadecane	*61.9*		"	*50.0*		*124*	*70-130*			
Matrix Spike Dup (EJ42907-MSD1)	**Source: 4J29003-04**			Prepared: 10/29/04 Analyzed: 10/30/04						
Gasoline Range Organics C6-C12	566	10.0	mg/kg dry	526	ND	108	75-125	0.880	20	
Diesel Range Organics >C12-C35	548	10.0	"	526	ND	104	75-125	8.56	20	
Total Hydrocarbon C6-C35	1110	10.0	"	1050	ND	106	75-125	5.26	20	
Surrogate: 1-Chlorooctane	*54.7*		*mg kg*	*50.0*		*109*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.5*		"	*50.0*		*107*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK40306 - EPA 5030C (GC)										
Blank (EK40306-BLK1)				Prepared & Analyzed: 11/02/04						
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	*85.1*		*ug kg*	*100*		*85.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*95.3*		"	*100*		*95.3*	*80-120*			
LCS (EK40306-BS1)				Prepared & Analyzed: 11/02/04						
Benzene	95.3		ug/kg	100		95.3	80-120			
Toluene	99.5		"	100		99.5	80-120			
Ethylbenzene	103		"	100		103	80-120			
Xylene (p/m)	228		"	200		114	80-120			
Xylene (o)	107		"	100		107	80-120			
Surrogate: a,a,a-Trifluorotoluene	*105*		"	*100*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*115*		"	*100*		*115*	*80-120*			
Calibration Check (EK40306-CCV1)				Prepared: 11/02/04 Analyzed: 11/03/04						
Benzene	93.8		ug/kg	100		93.8	80-120			
Toluene	95.6		"	100		95.6	80-120			
Ethylbenzene	89.3		"	100		89.3	80-120			
Xylene (p/m)	197		"	200		98.5	80-120			
Xylene (o)	92.9		"	100		92.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	*106*		"	*100*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*100*		"	*100*		*100*	*80-120*			
Matrix Spike (EK40306-MS1)	**Source: 4K01005-01**			Prepared: 11/02/04 Analyzed: 11/03/04						
Benzene	92.0		ug/kg	100	ND	92.0	80-120			
Toluene	93.6		"	100	ND	93.6	80-120			
Ethylbenzene	97.3		"	100	ND	97.3	80-120			
Xylene (p/m)	217		"	200	ND	108	80-120			
Xylene (o)	104		"	100	ND	104	80-120			
Surrogate: a,a,a-Trifluorotoluene	*102*		"	*100*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*116*		"	*100*		*116*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK40306 - EPA 5030C (GC)										
Matrix Spike Dup (EK40306-MSD1)	**Source: 4K01005-01**			Prepared: 11/02/04 Analyzed: 11/03/04						
Benzene	93.1		ug/kg	100	ND	93.1	80-120	1.19	20	
Toluene	96.4		"	100	ND	96.4	80-120	2.95	20	
Ethylbenzene	98.0		"	100	ND	98.0	80-120	0.717	20	
Xylene (p/m)	218		"	200	ND	109	80-120	0.922	20	
Xylene (o)	103		"	100	ND	103	80-120	0.966	20	
Surrogate: a,a,a-Trifluorotoluene	*97.9*		*"*	*100*		*97.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*112*		*"*	*100*		*112*	*80-120*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK40102 - General Preparation (Prep)										
Blank (EK40102-BLK1)				Prepared & Analyzed: 11/01/04						
% Moisture	0.0		%							
Duplicate (EK40102-DUP1)		**Source: 4J29002-01**		Prepared & Analyzed: 11/01/04						
% Moisture	8.0		%		8.0			0.00	20	

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Notes and Definitions

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: Celey D. Keene Date: 11/5/2004

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 Biezugbe, Lab Tech.

Environmental Lab of Texas, Inc.

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

Project Manager: Pat McCasland
Company Name: Plains All American Marketing
Company Address:
City/State/Zip:
Telephone No:
Sampler Signature: Felix Hernandez

Project Name: Friscoe Skelly
Project #: 2004-00197
Project Loc:
PO#:

432904		Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	Analyze For: TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005Extended	TPH8015M	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides			RUSH TAT	Standard TAT
-01	SPFS102804BH	10/28/2004	2:00	1	X									X					X				X								
-02	SPFS102804NSW	10/28/2004	2:30	1	X									X					X				X								
-03	SPFS102804ESW	10/28/2004	2:45	1	X									X					X				X								
-04	SPFS102804WSW	10/28/2004	3:00	1	X									X					X				X								

TCLP
TOTAL

Special Instructions

FAX RESULTS TO PAT McCASLAND ASAP

Sample Containers Intact (Y) N
Temperature Upon Request
Laboratory Comments:
3.5°C
4oz glass only

Relinquished:	Date	Time	Received by:	Date	Time
Felix Hernandez	10/29/04	7:00	Brent Hall	10-29	8:30
Brent Hall	10-29-04	1103	Jeanne McMurray	10-29-04	1103

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

Client: Plains P/L

Date/Time: 10-29-04 @ 1130

Order #: 4J 29004

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	3.5 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

Environmental Lab of Texas, Inc.

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

Project Manager: Pat McCasland

Company Name: Plains All American Marketing

Company Address:

City/State/Zip:

Telephone No:

Sampler Signature: Felix Hernandez

Project Name: Friscoe Skelly

Project #: 2004-00197

Project Loc:

PO#:

		Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	Analyze For: TCLP/TOTAL: TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005Extended	TPH8015M	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides			RUSH TAT	Standard TAT
	SPFS102804BH	10/28/2004	2:00	1	X									X					X				X								
	SPFS102804NSW	10/28/2004	2:30	1	X									X					X				X								
	SPFS102804ESW	10/28/2004	2:45	1	X									X					X				X								
	SPFS102804WSW	10/28/2004	3:00	1	X									X					X				X								

Special Instructions

FAX RESULTS TO PAT McCASLAND ASAP

COPY

Relinquished:	Date	Time	Received by:	Date	Time
Felix Hernandez	10/29/04	7:00		10-29	8:30
Relinquished:	Date	Time	Received by:	Date	Time
	10-29-04	1103	Jaime McMurry	10-29-04	1103

Sample Containers Intact (Y) N

Temperature Upon Request

Laboratory Comments:

3.5°C

4oz glass on ice

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Jeff Dann

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Friscoe-Skelly #2

Project Number: 2004-00197

Location: None Given

Lab Order Number: 4K19001

Report Date: 11/24/04

Plains All American EH & S	Project: Friscoe-Skelly #2	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00197	**Reported:**
Midland TX, 79706-4476	Project Manager: Jeff Dann	11/24/04 15:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SPFS110904BH16	4K19001-01	Soil	11/09/04 11:30	11/19/04 09:10
SPFS110904BH18	4K19001-02	Soil	11/09/04 11:50	11/19/04 09:10
SPFS110904BH20	4K19001-03	Soil	11/09/04 13:30	11/19/04 09:10
SPFS110904BH24	4K19001-04	Soil	11/09/04 14:40	11/19/04 09:10

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

Plains All American EH & S	Project: Friscoe-Skelly #2	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00197	**Reported:**
Midland TX, 79706-4476	Project Manager: Jeff Dann	11/24/04 15:01

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPFS110904BH16 (4K19001-01) Soil									
Gasoline Range Organics C6-C12	**796**	10.0	mg/kg dry	1	EK42101	11/19/04	11/19/04	EPA 8015M	
Diesel Range Organics >C12-C35	**2570**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**3360**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*129 %*	*70-130*		"	"	"	"	
SPFS110904BH18 (4K19001-02) Soil									
Gasoline Range Organics C6-C12	**8060**	50.0	mg/kg dry	5	EK42101	11/19/04	11/19/04	EPA 8015M	
Diesel Range Organics >C12-C35	**10900**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**18900**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*48.1 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*52.8 %*	*70-130*		"	"	"	"	*S-06*
SPFS110904BH20 (4K19001-03) Soil									
Gasoline Range Organics C6-C12	**8190**	100	mg/kg dry	10	EK42101	11/19/04	11/19/04	EPA 8015M	
Diesel Range Organics >C12-C35	**13100**	100	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**21300**	100	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*25.7 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*29.7 %*	*70-130*		"	"	"	"	*S-06*
SPFS110904BH24 (4K19001-04) Soil									
Gasoline Range Organics C6-C12	**4400**	50.0	mg/kg dry	5	EK42101	11/19/04	11/19/04	EPA 8015M	
Diesel Range Organics >C12-C35	**6490**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**10900**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*35.7 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*21.4 %*	*70-130*		"	"	"	"	*S-06*

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General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPFS110904BH16 (4K19001-01) Soil									
% Moisture	**2.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
SPFS110904BH18 (4K19001-02) Soil									
% Moisture	**9.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
SPFS110904BH20 (4K19001-03) Soil									
% Moisture	**7.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
SPFS110904BH24 (4K19001-04) Soil									
% Moisture	**8.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK42101 - Solvent Extraction (GC)										
Blank (EK42101-BLK1)				Prepared & Analyzed: 11/19/04						
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	*35.4*		"	*50.0*		*70.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.4*		"	*50.0*		*74.8*	*70-130*			
Blank (EK42101-BLK2)				Prepared: 11/19/04 Analyzed: 11/20/04						
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	*35.4*		"	*50.0*		*70.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.5*		"	*50.0*		*77.0*	*70-130*			
LCS (EK42101-BS1)				Prepared & Analyzed: 11/19/04						
Gasoline Range Organics C6-C12	450	10.0	mg/kg wet	500		90.0	75-125			
Diesel Range Organics >C12-C35	573	10.0	"	500		115	75-125			
Total Hydrocarbon C6-C35	1020	10.0	"	1000		102	75-125			
Surrogate: 1-Chlorooctane	*49.7*		"	*50.0*		*99.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.4*		"	*50.0*		*98.8*	*70-130*			
LCS (EK42101-BS2)				Prepared: 11/19/04 Analyzed: 11/20/04						
Gasoline Range Organics C6-C12	417	10.0	mg/kg wet	500		83.4	75-125			
Diesel Range Organics >C12-C35	594	10.0	"	500		119	75-125			
Total Hydrocarbon C6-C35	1010	10.0	"	1000		101	75-125			
Surrogate: 1-Chlorooctane	*52.1*		"	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.6*		"	*50.0*		*101*	*70-130*			
Calibration Check (EK42101-CCV1)				Prepared: 11/19/04 Analyzed: 11/20/04						
Gasoline Range Organics C6-C12	449		mg/kg	500		89.8	80-120			
Diesel Range Organics >C12-C35	555		"	500		111	80-120			
Total Hydrocarbon C6-C35	1000		"	1000		100	80-120			
Surrogate: 1-Chlorooctane	*49.9*		*mg kg wet*	*50.0*		*99.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.8*		"	*50.0*		*97.6*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK42101 - Solvent Extraction (GC)										
Calibration Check (EK42101-CCV2)				Prepared: 11/19/04 Analyzed: 11/20/04						
Gasoline Range Organics C6-C12	451		mg/kg	500		90.2	80-120			
Diesel Range Organics >C12-C35	586		"	500		117	80-120			
Total Hydrocarbon C6-C35	1040		"	1000		104	80-120			
Surrogate: 1-Chlorooctane	*50.5*		*mg kg wet*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.6*		*"*	*50.0*		*97.2*	*70-130*			
Matrix Spike (EK42101-MS1)	**Source: 4K18004-02**			Prepared & Analyzed: 11/19/04						
Gasoline Range Organics C6-C12	403	10.0	mg/kg dry	532	ND	75.8	75-125			
Diesel Range Organics >C12-C35	515	10.0	"	532	ND	96.8	75-125			
Total Hydrocarbon C6-C35	918	10.0	"	1060	ND	86.6	75-125			
Surrogate: 1-Chlorooctane	*46.9*		*"*	*53.2*		*88.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.2*		*"*	*53.2*		*83.1*	*70-130*			
Matrix Spike (EK42101-MS2)	**Source: 4K19007-12**			Prepared: 11/19/04 Analyzed: 11/20/04						
Gasoline Range Organics C6-C12	486	10.0	mg/kg dry	515	ND	94.4	75-125			
Diesel Range Organics >C12-C35	612	10.0	"	515	ND	119	75-125			
Total Hydrocarbon C6-C35	1100	10.0	"	1030	ND	107	75-125			
Surrogate: 1-Chlorooctane	*53.7*		*"*	*51.5*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.0*		*"*	*51.5*		*101*	*70-130*			
Matrix Spike Dup (EK42101-MSD1)	**Source: 4K18004-02**			Prepared & Analyzed: 11/19/04						
Gasoline Range Organics C6-C12	468	10.0	mg/kg dry	532	ND	88.0	75-125	14.9	20	
Diesel Range Organics >C12-C35	540	10.0	"	532	ND	102	75-125	4.74	20	
Total Hydrocarbon C6-C35	1040	10.0	"	1060	ND	98.1	75-125	12.5	20	
Surrogate: 1-Chlorooctane	*54.4*		*"*	*53.2*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.2*		*"*	*53.2*		*98.1*	*70-130*			
Matrix Spike Dup (EK42101-MSD2)	**Source: 4K19007-12**			Prepared: 11/19/04 Analyzed: 11/20/04						
Gasoline Range Organics C6-C12	464	10.0	mg/kg dry	515	ND	90.1	75-125	4.63	20	
Diesel Range Organics >C12-C35	603	10.0	"	515	ND	117	75-125	1.48	20	
Total Hydrocarbon C6-C35	1070	10.0	"	1030	ND	104	75-125	2.76	20	
Surrogate: 1-Chlorooctane	*50.6*		*"*	*51.5*		*98.3*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.0*		*"*	*51.5*		*95.1*	*70-130*			

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 EK42211 - General Preparation (Prep)										
Blank (EK42211-BLK1)				Prepared: 11/19/04 Analyzed: 11/22/04						
% Moisture	0.0		%							
Duplicate (EK42211-DUP1)		**Source: 4K19001-01**		Prepared: 11/19/04 Analyzed: 11/22/04						
% Moisture	2.0		%		2.0			0.00	20	

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.
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: 11/24/2004

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.

Environmental Lab of Texas, Inc.

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

Project Manager: Pat McCasland
Company Name: Plains
Company Address:
City/State/Zip:
Telephone No:
Sampler Signature: Felix Hernandez

Project Name: Friscoe Skelly #2
Project #:
Project Loc:
PO#: 2004-00197

4K19001		Date Sampled	Time Sampled	No. of Containers (4oz glass)	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	TDS/CL/SAR/EC	~~TPH 418.1~~	TPH TX 1005Extended	TPH8015M GRO/DRO	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitability	Chlorides			RUSH TAT	Standard TAT
-01	SPFS110904BH16	11/09/2004	11:30	1	X									X			X		X												
-02	SPFS110904BH18	11/09/2004	11:50	1	X									X			X		X												
-03	SPFS110904BH20	11/09/2004	1:30	1	X									X			X		X												
-04	SPFS110904BH24	11/09/2004	2:40	1	X									X			X		X												

Analyze For: TCLP / TOTAL

Special Instructions
FAX RESULTS TO IAIN OLNESS ASAP

Relinquished:	Date	Time	Received by:	Date	Time
Felix Hernandez	11-19	0700	Eddie J Harper	11/19/04	9:10
Relinquished: Eddie J Harper	11-19-04	0910	Received by: Jeanne McMurray	11-19-04	0910

Sample Containers Intact? (Y) N
Temperature Upon Request
Laboratory Comments:
1.0 °C

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

Client: Plains P/L

Date/Time: 11-19-04 @ 0930

Order #: 4K19001

Initials: JMM

Sample Receipt Checklist

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

Other observations:

Variance Documentation:

Contact Person: - Pat McCasland Date/Time: 11-19-04 @ 0910 Contacted by: Jeanne McMurrey

Regarding:

TPH 418.1 + TPH 8015M marked on COC

Corrective Action Taken:

Client only wants TPH 8015M

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Friscoe Skelly

Project Number: 2004-00197

Location: None Given

Lab Order Number: 4L13008

Report Date: 12/16/04

Plains All American EH & S	Project: Friscoe Skelly	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00197	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	12/16/04 09:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
F.S. BH #1 5'	4L13008-01	Soil	12/09/04 08:25	12/13/04 13:20
F.S. BH #1 10'	4L13008-02	Soil	12/09/04 09:32	12/13/04 13:20
F.S. BH #1 15'	4L13008-03	Soil	12/09/04 10:16	12/13/04 13:20
F.S. BH #1 20'	4L13008-04	Soil	12/09/04 11:47	12/13/04 13:20
F.S. BH #1 25'	4L13008-05	Soil	12/09/04 13:13	12/13/04 13:20

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
F.S. BH #1 5' (4L13008-01) Soil									
Benzene	**6.41**	0.200	mg/kg dry	200	EL41402	12/13/04	12/14/04	EPA 8021B	
Toluene	**55.5**	0.200	"	"	"	"	"	"	
Ethylbenzene	**43.6**	0.200	"	"	"	"	"	"	
Xylene (p/m)	**60.0**	0.200	"	"	"	"	"	"	
Xylene (o)	**22.7**	0.200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*207 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*137 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**1020**	10.0	mg/kg dry	1	EL41311	12/13/04	12/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	**1050**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**2070**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*122 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*120 %*	*70-130*		"	"	"	"	
F.S. BH #1 10' (4L13008-02) Soil									
Benzene	**0.153**	0.0250	mg/kg dry	25	EL41402	12/13/04	12/13/04	EPA 8021B	
Toluene	**4.14**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**6.81**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**10.5**	0.0250	"	"	"	"	"	"	
Xylene (o)	**3.64**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*286 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*138 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**498**	10.0	mg/kg dry	1	EL41311	12/13/04	12/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	**1330**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1830**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*110 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*122 %*	*70-130*		"	"	"	"	
F.S. BH #1 15' (4L13008-03) Soil									
Benzene	**0.203**	0.0250	mg/kg dry	25	EL41402	12/13/04	12/13/04	EPA 8021B	
Toluene	**4.82**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**7.24**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**10.7**	0.0250	"	"	"	"	"	"	
Xylene (o)	**4.28**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*284 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*147 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**243**	10.0	mg/kg dry	1	EL41311	12/13/04	12/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	**438**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**681**	10.0	"	"	"	"	"	"	

Plains All American EH & S	Project: Friscoe Skelly	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00197	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	12/16/04 09:37

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
F.S. BH #1 15' (4L13008-03) Soil									
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*EL41311*	*12 13 04*	*12 14 04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	
F.S. BH #1 20' (4L13008-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL41402	12/13/04	12/14/04	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		*113 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [8.36]**	10.0	mg/kg dry	1	EL41311	12/13/04	12/14/04	EPA 8015M	J
Diesel Range Organics >C12-C35	**46.8**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**46.8**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*100 %*	*70-130*		"	"	"	"	
F.S. BH #1 25' (4L13008-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL41402	12/13/04	12/14/04	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		*105 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [5.82]**	10.0	mg/kg dry	1	EL41311	12/13/04	12/14/04	EPA 8015M	J
Diesel Range Organics >C12-C35	**125**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**125**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*91.6 %*	*70-130*		"	"	"	"	

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

Plains All American EH & S	Project: Friscoe Skelly	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00197	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	12/16/04 09:37

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
F.S. BH #1 5' (4L13008-01) Soil									
% Moisture	**4.9**		%	1	EL41401	12/13/04	12/14/04	% calculation	
F.S. BH #1 10' (4L13008-02) Soil									
% Moisture	**4.3**		%	1	EL41401	12/13/04	12/14/04	% calculation	
F.S. BH #1 15' (4L13008-03) Soil									
% Moisture	**8.1**		%	1	EL41401	12/13/04	12/14/04	% calculation	
F.S. BH #1 20' (4L13008-04) Soil									
% Moisture	**7.2**		%	1	EL41401	12/13/04	12/14/04	% calculation	
F.S. BH #1 25' (4L13008-05) Soil									
% Moisture	**5.0**		%	1	EL41401	12/13/04	12/14/04	% calculation	

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Organics by GC - Quality Control

Environmental Lab of Texas

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

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Organics by GC - Quality Control

Environmental Lab of Texas

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

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 EL41402 - EPA 5030C (GC)										
Blank (EL41402-BLK1)				Prepared & Analyzed: 12/13/04						
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	*112*		*ug kg*	*100*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*100*		"	*100*		*100*	*80-120*			
LCS (EL41402-BS1)				Prepared & Analyzed: 12/13/04						
Benzene	92.3		ug/kg	100		92.3	80-120			
Toluene	95.4		"	100		95.4	80-120			
Ethylbenzene	110		"	100		110	80-120			
Xylene (p/m)	240		"	200		120	80-120			
Xylene (o)	119		"	100		119	80-120			
Surrogate: a,a,a-Trifluorotoluene	*117*		"	*100*		*117*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*115*		"	*100*		*115*	*80-120*			
Calibration Check (EL41402-CCV1)				Prepared: 12/13/04 Analyzed: 12/14/04						
Benzene	90.4		ug/kg	100		90.4	80-120			
Toluene	90.3		"	100		90.3	80-120			
Ethylbenzene	94.7		"	100		94.7	80-120			
Xylene (p/m)	209		"	200		104	80-120			
Xylene (o)	108		"	100		108	80-120			
Surrogate: a,a,a-Trifluorotoluene	*119*		"	*100*		*119*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*103*		"	*100*		*103*	*80-120*			
Matrix Spike (EL41402-MS1)	**Source: 4L10005-01**			Prepared & Analyzed: 12/13/04						
Benzene	87.7		ug/kg	100	ND	87.7	80-120			
Toluene	84.5		"	100	ND	84.5	80-120			
Ethylbenzene	89.1		"	100	ND	89.1	80-120			
Xylene (p/m)	203		"	200	ND	102	80-120			
Xylene (o)	93.4		"	100	ND	93.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*111*		"	*100*		*111*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*103*		"	*100*		*103*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL41402 - EPA 5030C (GC)										
Matrix Spike Dup (EL41402-MSD1)	**Source: 4L10005-01**			Prepared & Analyzed: 12/13/04						
Benzene	99.1		ug/kg	100	ND	99.1	80-120	12.2	20	
Toluene	102		"	100	ND	102	80-120	18.8	20	
Ethylbenzene	108		"	100	ND	108	80-120	19.2	20	
Xylene (p/m)	235		"	200	ND	118	80-120	14.5	20	
Xylene (o)	114		"	100	ND	114	80-120	19.9	20	
Surrogate: a,a,a-Trifluorotoluene	*115*		"	*100*		*115*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*107*		"	*100*		*107*	*80-120*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

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

Notes and Definitions

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: Celey D. Keene 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.

[redacted] Environmental Lab of Texas [redacted] Inc.
12600 West I-20 East Phone: 915-563-1800
Odessa Texas 79763 Fax: 915-563-1713

Project Manager: Pat McCasland
Company Name: Plains
Company Address:
City/State/Zip:
Telephone No:
Sampler Signature: Manuel Gonzales

Project Name: Friscoe Skelly
Project #:
Project Loc:
PO#: 2004-00197

4-13008

		Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	Analyze For: TDS/Cl/SAR/EC	TPH 418.1	TPH TX 1005Extended	TPH8015M GRO/DRO	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides			RUSH TAT	Standard TAT
																TCLP							TOTAL								
-01	F.S. BH #1 5'	12/09/2004	8:25	1	X									X					X				X								
-02	F.S. BH #1 10'	12/09/2004	9:32	1	X									X					X				X								
-03	F.S. BH #1 15'	12/09/2004	10:16	1	X									X					X				X								
-04	F.S. BH #1 20'	12/09/2004	11:47	1	X									X					X				X								
-05	F.S. BH #1 25'	12/09/2004	1:13	1	X									X					X				X								

Special Instructions

FAX RESULTS TO Pat McCasland ASAP

Sample Containers Intact? Y / N
Temperature Upon Request
Laboratory Comments: 1.5°C

4oz glass once

Relinquished:	Date	Time	Received by:	Date	Time
Manuel Gonzales	12/13	0700	[signature]		
Relinquished:	Date	Time	Received by:	Date	Time
[signature]	12-13-04	1320	[signature]	12-13-04	1320

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

Client: Plains P/L

Date/Time: 12-13-04 @ 1320

Order #: 4L13008

Initials: JMM

Sample Receipt Checklist

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

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Friscoe Skelly

Project Number: 2004-00197

Location: None Given

Lab Order Number: 5D13011

Report Date: 04/20/05

Plains All American EH & S	Project: Friscoe Skelly	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00197	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/20/05 16:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS041205 30'	5D13011-01	Soil	04/12/05 13:31	04/13/05 14:24
FS041205 35'	5D13011-02	Soil	04/12/05 14:20	04/13/05 14:24

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

Plains All American EH & S	Project: Friscoe Skelly	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00197	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/20/05 16:07

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FS041205 30' (5D13011-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51502	04/15/05	04/18/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51402	04/14/05	04/15/05	EPA 8015M	
Diesel Range Organics >C12-C35	**37.6**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**37.6**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*74.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*83.0 %*	*70-130*		"	"	"	"	
FS041205 35' (5D13011-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED51502	04/15/05	04/18/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*112 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED51402	04/14/05	04/15/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*74.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*82.6 %*	*70-130*		"	"	"	"	

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

Plains All American EH & S	Project: Friscoe Skelly	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2004-00197	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/20/05 16:07

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FS041205 30' (5D13011-01) Soil									
% Moisture	**4.7**	0.1	%	1	ED51511	04/14/05	04/15/05	% calculation	
FS041205 35' (5D13011-02) Soil									
% Moisture	**5.6**	0.1	%	1	ED51511	04/14/05	04/15/05	% calculation	

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

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 ED51402 - Solvent Extraction (GC)										
Blank (ED51402-BLK1)				Prepared: 04/14/05 Analyzed: 04/15/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*38.6*		*mg/kg*	*50.0*		*77.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.9*		*"*	*50.0*		*75.8*	*70-130*			
LCS (ED51402-BS1)				Prepared: 04/14/05 Analyzed: 04/15/05						
Gasoline Range Organics C6-C12	438	10.0	mg/kg wet	500		87.6	75-125			
Diesel Range Organics >C12-C35	496	10.0	"	500		99.2	75-125			
Total Hydrocarbon C6-C35	934	10.0	"	1000		93.4	75-125			
Surrogate: 1-Chlorooctane	*45.3*		*mg/kg*	*50.0*		*90.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.9*		*"*	*50.0*		*79.8*	*70-130*			
Calibration Check (ED51402-CCV1)				Prepared: 04/14/05 Analyzed: 04/15/05						
Gasoline Range Organics C6-C12	516		mg/kg	500		103	80-120			
Diesel Range Organics >C12-C35	548		"	500		110	80-120			
Total Hydrocarbon C6-C35	1060		"	1000		106	80-120			
Surrogate: 1-Chlorooctane	*54.7*		*"*	*50.0*		*109*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.2*		*"*	*50.0*		*96.4*	*70-130*			
Matrix Spike (ED51402-MS1)	**Source: 5D13010-19**			Prepared: 04/14/05 Analyzed: 04/15/05						
Gasoline Range Organics C6-C12	481	10.0	mg/kg dry	509	ND	94.5	75-125			
Diesel Range Organics >C12-C35	529	10.0	"	509	ND	104	75-125			
Total Hydrocarbon C6-C35	1010	10.0	"	1020	ND	99.0	75-125			
Surrogate: 1-Chlorooctane	*46.0*		*mg/kg*	*50.0*		*92.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.1*		*"*	*50.0*		*82.2*	*70-130*			
Matrix Spike Dup (ED51402-MSD1)	**Source: 5D13010-19**			Prepared: 04/14/05 Analyzed: 04/15/05						
Gasoline Range Organics C6-C12	458	10.0	mg/kg dry	509	ND	90.0	75-125	4.90	20	
Diesel Range Organics >C12-C35	530	10.0	"	509	ND	104	75-125	0.189	20	
Total Hydrocarbon C6-C35	988	10.0	"	1020	ND	96.9	75-125	2.20	20	
Surrogate: 1-Chlorooctane	*45.4*		*mg/kg*	*50.0*		*90.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.7*		*"*	*50.0*		*81.4*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED51502 - EPA 5030C (GC)										
Blank (ED51502-BLK1)				Prepared & Analyzed: 04/15/05						
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	*119*		*ug/kg*	*100*		*119*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*84.3*		*"*	*100*		*84.3*	*80-120*			
LCS (ED51502-BS1)				Prepared & Analyzed: 04/15/05						
Benzene	99.8		ug/kg	100		99.8	80-120			
Toluene	105		"	100		105	80-120			
Ethylbenzene	110		"	100		110	80-120			
Xylene (p/m)	239		"	200		120	80-120			
Xylene (o)	117		"	100		117	80-120			
Surrogate: a,a,a-Trifluorotoluene	*119*		*"*	*100*		*119*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*111*		*"*	*100*		*111*	*80-120*			
Calibration Check (ED51502-CCV1)				Prepared: 04/15/05 Analyzed: 04/16/05						
Benzene	108		ug/kg	100		108	80-120			
Toluene	108		"	100		108	80-120			
Ethylbenzene	97.8		"	100		97.8	80-120			
Xylene (p/m)	215		"	200		108	80-120			
Xylene (o)	106		"	100		106	80-120			
Surrogate: a,a,a-Trifluorotoluene	*116*		*"*	*100*		*116*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*80.6*		*"*	*100*		*80.6*	*80-120*			
Matrix Spike (ED51502-MS1)	**Source: 5D14010-01**			Prepared: 04/15/05 Analyzed: 04/18/05						
Benzene	99.9		ug/kg	100	ND	99.9	80-120			
Toluene	104		"	100	ND	104	80-120			
Ethylbenzene	105		"	100	ND	105	80-120			
Xylene (p/m)	240		"	200	ND	120	80-120			
Xylene (o)	113		"	100	ND	113	80-120			
Surrogate: a,a,a-Trifluorotoluene	*119*		*"*	*100*		*119*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*93.4*		*"*	*100*		*93.4*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED51502 - EPA 5030C (GC)										
Matrix Spike Dup (ED51502-MSD1)	**Source: 5D14010-01**			Prepared: 04/15/05 Analyzed: 04/16/05						
Benzene	90.2		ug/kg	100	ND	90.2	80-120	10.2	20	
Toluene	93.4		"	100	ND	93.4	80-120	10.7	20	
Ethylbenzene	95.1		"	100	ND	95.1	80-120	9.90	20	
Xylene (p/m)	216		"	200	ND	108	80-120	10.5	20	
Xylene (o)	105		"	100	ND	105	80-120	7.34	20	
Surrogate: a,a,a-Trifluorotoluene	*109*		"	*100*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*95.2*		"	*100*		*95.2*	*80-120*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED51511 - General Preparation (Prep)										
Blank (ED51511-BLK1)				Prepared: 04/14/05 Analyzed: 04/15/05						
% Moisture	ND	0.1	%							
Duplicate (ED51511-DUP1)	**Source: 5D13009-01**			Prepared: 04/14/05 Analyzed: 04/15/05						
% Moisture	14.2	0.1	%		13.7			3.58	20	

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 4/20/2005

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

Environmental Lab of Texas, Inc.

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

Project Manager: Pat McCasland
Company Name: Plains
Company Address:
City/State/Zip:
Sampler Signature:

Project Name: Friscoe Skelly
Project #:
Project Loc:
PO#: 2004-00197

No 418.1 as per Pat McCasland

Lab #	Sample ID	Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	Analyze For: TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005 Extended	TPH 8015M GRO/DRO	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides	Sulfates	RUSH TAT	Standard TAT
																TCLP							TOTAL							
1	FS041205 30'	04/12/2005	1:31		X									X					X				X							
2	FS041205 35'	04/12/2005	2:20		X									X					X				X							

Special Instructions

FAX RESULTS TO Iain Olness ASAP

Relinquished:	Date	Time	Received by:	Date	Time
	4-13-05	8:36a		4-13	9:00
Relinquished:	Date	Time	Received by:	Date	Time
	04-13-05	1424		04-13-05	1424

Sample Containers Intact: (Y) N
Temperature Upon Request 2.0°
Laboratory Comments:

4 oz glass on ice

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

Client: EPI

Date/Time: 04-13-05 @ 1424

Order #: 5D13011

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	2.0 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Pat McCasland Date/Time: 04-13-05 @ 1615 Contacted by: Jeanne McMurry

Regarding:

TPH method

Corrective Action Taken:

Client wants to run TPH 8015M not TPH 418.1

ATTACHMENT IV AREA WATER INFORMATION

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 17S Range: 37E Sections: 5,6,7,8

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

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

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report | Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 03/09/2005

							(Depth Water in Feet)		
Bsn	**Tws**	**Rng**	**Sec**	**Zone**	**X**	**Y**	**Wells**	**Min**	**Max**	**Avg**
L	17S	37E	05				18	38	76	62
L	17S	37E	06				2	40	40	40
L	17S	37E	07				8	39	75	65
L	17S	37E	08				1	50	50	50

Record Count: 29

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 16S Range: 37E Sections: 31,32

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

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

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report | Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 03/09/2005

							(Depth Water in Feet)		
Bsn	**Tws**	**Rng**	**Sec**	**Zone**	**X**	**Y**	**Wells**	**Min**	**Max**	**Avg**
L	16S	37E	31				8	50	72	53
L	16S	37E	32				3	35	45	38

Record Count: 11

http://iwaters.ose.state.nm.us:7001/iWATERS/WellAndSurfaceDispatcher 3/9/2005

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 16S Range: 36E Sections: 36

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

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

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report | Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 03/09/2005

							(Depth Water in Feet)		
Bsn	**Tws**	**Rng**	**Sec**	**Zone**	**X**	**Y**	**Wells**	**Min**	**Max**	**Avg**
L	16S	36E	36				6	40	257	116

Record Count: 6

http://iwaters.ose.state.nm.us:7001/iWATERS/WellAndSurfaceDispatcher 3/9/2005

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 17S Range: 36E Sections: 1,12

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

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

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report | Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 03/09/2005

							(Depth Water in Feet)		
Bsn	**Tws**	**Rng**	**Sec**	**Zone**	**X**	**Y**	**Wells**	**Min**	**Max**	**Avg**
L	17S	36E	01				6	48	110	64
L	17S	36E	12				3	45	47	46

Record Count: 9

http://iwaters.ose.state.nm.us:7001/iWATERS/WellAndSurfaceDispatcher 3/9/2005

ATTACHMENT V SITE INFORMATION & METRICS FORM AND INFORMATIONAL C-141

Plains Pipeline, L.P. Site Information and Metrics	Incident Date: **September 20, 2004 10:00AM**	NMOCD Notified: **September 20, 2004 10:00AM**

SITE: **Friscoe Skelly #2**	Assigned Site Reference #: **2004-00197**
Company: Plains Pipeline, L.P.	**NATIONAL RESPONSE CENTER - 800.424.8802**
Street Address: PO Box 1660	Notified Date/Time:
Mailing Address: 5805 East Highway 80	Notified by:
City, State, Zip: Midland, Texas 79702	Person Notified:
Representative: Camille Reynolds	NRC Report# :
Representative Telephone: 505.441.0965	
Telephone:	
Fluid volume released (bbls): 10 bbls	Recovered (bbls): 0 bbls
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)	
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)	
Leak, Spill, or Pit (LSP) Name: Friscoe Skelly #2	
Source of contamination: 6" Steel Pipeline	
Land Owner, i.e., BLM, ST, Fee, Other: Robert C. Rice	
LSP Dimensions 18' x 20'	
LSP Area: 338 ft²	
Location of Reference Point (RP)	
Location distance and direction from RP	
Latitude: 32°52'4.316"N	
Longitude: 103°17'38.146"W	
Elevation above mean sea level: 3,810'amsl	
Feet from South Section Line	
Feet from West Section Line	
Location- Unit or ¼¼: SE¼ of the NW¼	Unit Letter: F
Location- Section: 6	
Location- Township: T17S	
Location- Range: R37E	
Surface water body within 1000 ' radius of site: none	
Surface water body within 1000 ' radius of site:	
Domestic water wells within 1000' radius of site: none	
Agricultural water wells within 1000' radius of site: none	
Public water supply wells within 1000' radius of site: none	
Public water supply wells within 1000' radius of site:	
Depth from land surface to ground water (DG) ~78 'bgs	
Depth of contamination (DC) –	
Depth to ground water (DG – DC = DtGW) - 0	

1. Ground Water	2. Wellhead Protection Area	3. Distance to Surface Water Body
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or;<200' from private domestic water source: *20 points*	<200 horizontal feet: *20 points*
If Depth to GW 50 to 99 feet: *10 points*		200-100 horizontal feet: *10 points*
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or; >200' from private domestic water source: *0 points*	>1000 horizontal feet: *0 points*
Ground water Score = 10 & 20	*Wellhead Protection Area Score= 0*	*Surface Water Score= 0*

Site Rank (1+2+3) = 10 & 20

Total Site Ranking Score and Acceptable Concentrations

Parameter	>19	10-19	0-9
Benzene[1]	**10 ppm**	**10 ppm**	10 ppm
BTEX[1]	**50 ppm**	**50 ppm**	50 ppm
TPH	**100 ppm**	**1000 ppm**	5000 ppm

[1]100 ppm field VOC headspace measurement may be substituted for lab analysis

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company Plains Marketing, LP 231747	Contact Camille Reynolds
Address 5805 East Hwy. 80, Midland, TX 79706	Telephone No. 505-441-0965
Facility Name Frisco Skelly #2	Facility Type 6"Steel Pipeline

Surface Owner Robert Rice	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	6	17S	37E					Lea

Latitude 32° 52'04.9" **Longitude** 103° 17'38.3"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 10 barrels	Volume Recovered 0 barrels
Source of Release 6" Steel Pipeline	Date and Hour of Occurrence 9-20-04 @ 09:45	Date and Hour of Discovery 9-20-04 @ 10:00
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Camille Reynolds	Date and Hour 9-20-04 @ 17:30	
Was a Watercourse Reached? ☐ Yes ☒ 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 20 to 30 barrels of crude oil per day. The pressure on the line is 28 psi and the gravity of the sweet crude oil is 39. The sweet crude has an H_2S content of <10 ppm

AREAL

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was 180 ft².

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

Signature: Camille Reynolds

Printed Name: Camille Reynolds

Title: Remediation Coordinator

E-mail Address: cjreynolds@paalp.com

Date: 9-23-04 Phone:505-441-0965

OIL CONSERVATION DIVISION

Approved by District Supervisor:

Approval Date: Expiration Date:

Conditions of Approval: Attached ☐

* Attach Additional Sheets If Necessary