Basin Environmental Service Technologies, LLC

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Effective Solutions

Jessa OK 1.30.06

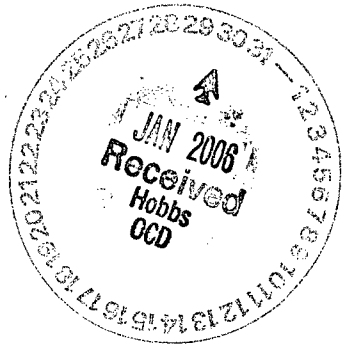
PRELIMINARY SITE INVESTIGATION REPORT
and
REMEDIATION/CLOSURE PLAN

Closure

PLAINS MARKETING, L.P. (231735)
Cotton Draw Gathering 6"
Lea County, New Mexico
Plains EMS # 2005-00228
UNIT K (NE/SW), Section 16, Township 25 South, Range 32 East
Latitude 32°, 07', 38.8" North, Longitude 103°, 40', 55.2" West

Prepared For:

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



Prepared By:
Basin Environmental Service Technologies, LLC
P. O. Box 301
Lovington, New Mexico 88260

13 January 2006

Ken Dutton
Basin Environmental Service Technologies, LLC

Plains - 231735
facility - fPAC0603447886
Dispose - ePAC0603447986
incident - nPAC0603448023
application - pPAC0603448318

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INTRODUCTION

Basin Environmental Service Technologies, LLC, (Basin), responded to a crude oil pipeline release for Plains Marketing, L.P. (Plains), located on the Cotton Draw Gathering 6" Pipeline, on 04 October 2005. The Cotton Draw Gathering 6" Pipeline was clamped and excavation of the impacted soil was initiated and impacted soil was stockpiled on a 6-mil poly-liner adjacent to the excavation until further investigation could be conducted.

This site is located in Unit K (NE/SW), Section 16, Township 25 South, Range 32 East, in Lea County, New Mexico (topographic Site Location Map is attached as Figure 1). The site latitude is 32°, 07', 38.8" North, and site longitude is 103°, 40', 55.2" West. The site is characterized by a right-of-way for the pipeline in an undulating sand dune pasture utilized for cattle grazing. The visually stained area includes the release point and flow path, which covers an area approximately 85 feet long by 50 feet wide. It is estimated 8 barrels of crude oil were released from the Cotton Draw Gathering 6" Pipeline release and 0 barrels were recovered.

An emergency one-call was initiated 04 October 2005 and all responding companies either cleared or marked their respective lines. Subsequent renewals of the one-call have been accomplished as required.

Mr. Larry Johnson, New Mexico Oil Conservation Division (NMOCD), Hobbs, New Mexico District 1 was verbally notified of the release on 04 October 2005. A NMOCD C-141 was prepared and delivered to Mr. Larry Johnson, NMOCD, Hobbs, New Mexico District 1, on 10 October 2005 (see Appendix D, NMOCD C-141). A request for a Right-of-Entry permit (ROE #1178) was submitted and approved by the New Mexico State Land Office (NMSLO) to conduct remedial activities at the site on 03 November 2005.

SUMMARY OF FIELD ACTIVITIES

On 04 October 2005, Basin responded to a crude oil release on the Cotton Draw Gathering 6" Pipeline to repair and contain the crude oil pipeline release under the direction of Plains operations personnel. After the crude oil release had been contained utilizing a pipeline repair clamp, excavation of the impacted soil was initiated (see figure 2, Excavation Site Map & Soil Boring Locations). The visually stained area is approximately 85 feet long by 50 feet wide and is approximately 10 feet below ground surface (bgs) at the release point and flow path area. All excavated soil was placed on a 6-ml poly-liner for adjacent to the excavation for future remedial action.

On 14 November 2005, Basin initiated vertical and horizontal delineation of the crude oil impacted site, utilizing an air rotary drill rig operated by Straub Corporation, Stanton, Texas (see Excavation Site Map & Soil Boring Locations, Figure 2). Five

soil borings were installed (at the release point, up gradient, down gradient and cross gradient) to evaluate the full extent of crude oil impact. The five (5) soil borings ranged in depth from 20 feet bgs to 40 feet bgs. The selected soil boring soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), and total petroleum hydrocarbons – gasoline range organics/diesel range organics (TPH-GRO/DRO). Laboratory results of the soil samples indicate vertical and horizontal delineation of the crude oil pipeline release was successfully accomplished and the hydrocarbon impacted area is limited to the release point. The 5 and 10 feet bgs soil samples collected from Soil Boring #1 reported results below NMOCD regulatory standards for constituent concentrations of BTEX and TPH-GRO/DRO and the remaining three (3) soil samples from Soil Boring #1 did not report concentrations above laboratory method detection limits. Soil Borings 2 through 5 selected soil boring soil samples were not detected above laboratory method detection limits for constituent concentrations of BTEX or TPH-GRO/DRO.

On 20 December 2005, Basin collected confirmation soil samples from the walls and floor of the excavation (see Figure 3, Confirmation Soil Sample Locations). The soil samples were field screened with a Photoionization Detector (PID), calibrated 20 December 2005. The five (5) soil samples were analyzed for concentrations of BTEX and TPH-GRO/DRO. Laboratory results indicate the walls and floor of the excavation are below NMOCD regulatory standards for constituent concentrations of BTEX and TPH-GRO/DRO.

New Mexico Oil Conservation Division (NMOCD) Soil Classification

A search of the New Mexico State Engineers database revealed no groundwater depth information for that section. However, Section 32, in the same Township and Range contains groundwater information revealing an average depth to groundwater of 290 feet bgs. There are no surface water bodies or water wells within 1000 feet of the release site. Based on this data, the site has an NMOCD Ranking Score of 0-9, which sets the remediation levels at:

Benzene:	10 ppm
BTEX:	50 ppm
TPH:	5000 ppm

Distribution of Hydrocarbons in the Unsaturated Zone

Basin excavated the release point and pooling area in October 2005 to approximately 85 feet long by 50 feet wide and a depth of approximately 10 feet bgs. Evidence of crude oil impact still exists on the floor at the release point. PID readings indicate elevated concentrations of VOC's remain in place. Approximately 1200 cubic yards of impacted soil and clean overburden were excavated and stockpiled on a 6-mil poly-liner adjacent to the excavation.

On 14 November 2005, Basin installed five (5) soil borings utilizing an air rotary drill rig operated by Straub Corporation, Stanton, Texas, to evaluate the extent of the vertical and horizontal crude oil impact at the release point, up gradient, down gradient and cross gradient of the excavation. The five (5) soil borings ranged in depth from 20 feet bgs to 40 feet bgs. Subsurface soil samples were collected at 5 feet intervals and field screened with a PID. Soil boring logs are included in Appendix C. No visual observations of free phase hydrocarbons were encountered during the installation of the soil borings. The selected soil samples were analyzed for concentrations of BTEX and TPH-GRO/DRO. Laboratory data sheets and chain-of-custody forms are attached (Appendix B).

Soil Boring 1, as depicted on the Excavation Site Map & Soil Boring Locations (Figure 3), was installed at the release point on the floor of the excavation at a depth of 10 feet bgs. Soil samples collected at 15, 20, 25, 30 and 40 feet bgs sample depths were submitted for analysis. Analytical results indicated that detectable BTEX constituent concentrations were below NMOCD regulatory standards for the 15 feet bgs sample. Analytical results indicated that BTEX constituent concentrations were not detected above laboratory method detection limits for the 20, 25, 30 and 40 feet bgs soil samples. Analytical results indicated that TPH-GRO/DRO constituent concentrations were below NMOCD regulatory standards for the 15 and 20 feet bgs samples. Analytical results indicated that TPH-GRO/DRO constituent concentrations were not detected above laboratory method detection limits for the 25, 30 and 40 feet bgs soil samples.

Soil Boring 2 was installed at the west cross gradient position. Soil samples collected at the 5, 10 and 20 feet bgs sample depths were submitted for analysis. Analytical results indicated that BTEX and TPH-GRO/DRO constituent concentrations were not detected above laboratory method detection limits on the three (3) soil samples.

Soil Boring 3 was installed at the north up gradient position. Soil samples collected at the 5, 10 and 20 feet bgs sample depths were submitted for analysis. Analytical results indicated that BTEX and TPH-GRO/DRO constituent concentrations were not detected above laboratory method detection limits on the three (3) soil samples.

Soil Boring 4 was installed at the east cross gradient position. Soil samples collected at the 5, 10 and 20 feet bgs sample depths were submitted for analysis. Analytical results indicated that BTEX and TPH-GRO/DRO constituent concentrations were not detected above laboratory method detection limits on the three (3) soil samples.

Soil Boring 5 was installed at the south down gradient position. Soil samples collected at the 5, 10 and 20 feet bgs sample depths were submitted for analysis. Analytical results indicated that BTEX and TPH-GRO/DRO constituent

concentrations were not detected above laboratory method detection limits on the three (3) soil samples.

On 20 December 2005, Basin collected confirmation soil samples from the walls and floor of the excavation (see Figure 3, Confirmation Soil Sample Locations). The soil samples were field screened with a PID, calibrated 20 December 2005. The five (5) soil samples were analyzed for constituent concentrations of BTEX and TPH-GRO/DRO. Laboratory results indicate the north sidewall and excavation floor release point soil samples, collected at a depth of approximately 5 and 10 feet bgs, respectively, are below NMOCD regulatory standards for constituent concentrations of BTEX and TPH-GRO/DRO or were not detected above laboratory method detection limits. Laboratory results indicate the east sidewall, west sidewall and south sidewall confirmation soil samples, collected at a depth of approximately 5 feet bgs were not detected above laboratory method detection limits for constituent concentrations of BTEX and TPH-GRO/DRO.

In summary, vertical and horizontal delineation of the Cotton Draw Gathering 6" pipeline release site has been successfully accomplished with the installation of the five (5) soil borings ranging in depth from 20 to 40 feet bgs. As depicted on the Excavation Site Map & Soil Boring Locations (Figure 3), the up gradient, down gradient and cross gradient soil borings were installed as close to the excavation walls as possible and adhere to safe work practices. Analytical results of Soil Boring 1, installed on the excavation floor release point at approximately 10 feet bgs, indicated BTEX and TPH-GRO/DRO constituent concentrations were below NMOCD regulatory standards or were not detected above laboratory method detection limits for the five (5) soil samples. Analytical results of Soil Borings 2, 3, 4 and 5, up gradient, down gradient and cross gradient, indicated BTEX and TPH-GRO/DRO constituent concentrations were not detected above laboratory method detection limits on the selected soil samples. Laboratory results indicate the confirmation soil samples on the walls and floor of the excavation are below NMOCD regulatory standards for constituent concentrations of BTEX and TPH-GRO/DRO.

RECOMMENDATIONS FOR REMEDIATION/CLOSURE

Approximately 750 cubic yards of impacted soil has been excavated and stockpiled on-site resulting from the emergency response and excavation of the release point and flow path. Approximately 450 cubic yards of clean overburden was segregated to allow for an area to stockpile the impacted soils and access to the up gradient, down gradient and cross gradient soil boring installation locations and safe excavation of the release point and flow path areas.

Based on the analytical results of the five (5) soil borings and confirmation soil samples from the walls and floor of the excavation, which indicates the crude oil impact is below NMOCD regulatory standards in the subsurface area, Plains proposes to blend the excavated soil with the clean overburden. Confirmation soil samples will be collected from the blended soil that will be divided into equal grids of

approximately 350 cubic yards to ensure TPH –GRO/DRO concentrations of less than 5,000 mg/kg.

Once confirmation soil sampling of the blended material has been confirmed through laboratory analysis to be below NMOCD regulatory standards for concentrations of BTEX and TPH-GRO/DRO, backfilling of the excavation will be initiated with the blended material. After the backfilling has occurred, the area will be contoured to the original rangeland surrounding the site and reseeded with approved NMSLO grass seed. A closure report will be submitted to NMOCD upon completion of all tasks with appropriate documentation. Additionally, a Site Restoration Plan will be submitted to NMSLO outlining the procedures for restoring vegetation to the site. Based on the results of the remediation activities conducted, Plains requests approval from the NMOCD and NMSLO to implement these proposed final remediation and site closure activities.

QA/QC PROCEDURES

Soil Sampling

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

The soil samples will be analyzed as follows:

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

Decontamination Of Equipment

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

Laboratory Protocol

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

LIMITATIONS

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

Basin Environmental Service Technologies, LLC, has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Basin Environmental Service Technologies, LLC, has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Basin Environmental Service Technologies, LLC, has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin Environmental Service Technologies, LLC, also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

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

DISTRIBUTION

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TABLE 1

SOIL CHEMISTRY

PLAINS MARKETING, L.P.
COTTON DRAW GATHERING 6"
LEA COUNTY, NEW MEXICO
EMS: 2005-00228

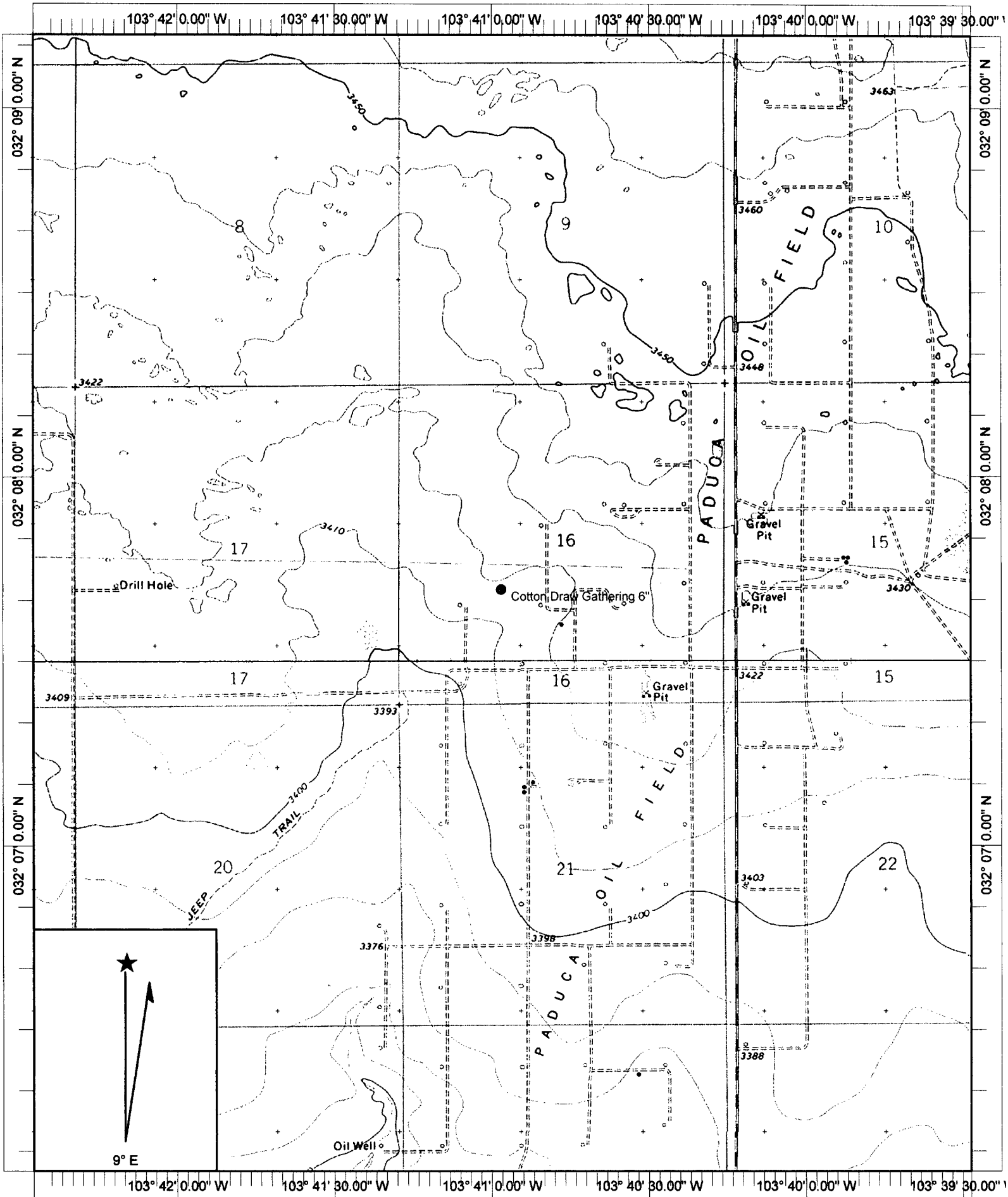
SAMPLE LOCATION	SAMPLE DEPTH (Below normal surface grade)	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M		TOTAL TPH	CHLORIDES
			BENZENE	TOLUENE	ETHYL-BENZENE	M,P-XYLENES	O-XYLENE	GRO	DRO		
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SB-1 5'	15' bgs	11/14/05	0.045	0.437	0.645	2.10	1.07	508	2410	2920	
SB-1 10'	20' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	78.0	919	997	
SB-1 15'	25' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-1 20'	30' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	80.3
SB-1 30'	40' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-2 5'	5' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-2 10'	10' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-2 20'	20' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-3 5'	5' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-3 10'	10' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-3 20'	20' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-4 5'	5' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-4 10'	10' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-4 20'	20' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-5 5'	5' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-5 10'	10' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	

TABLE 1 (cont)

SOIL CHEMISTRY

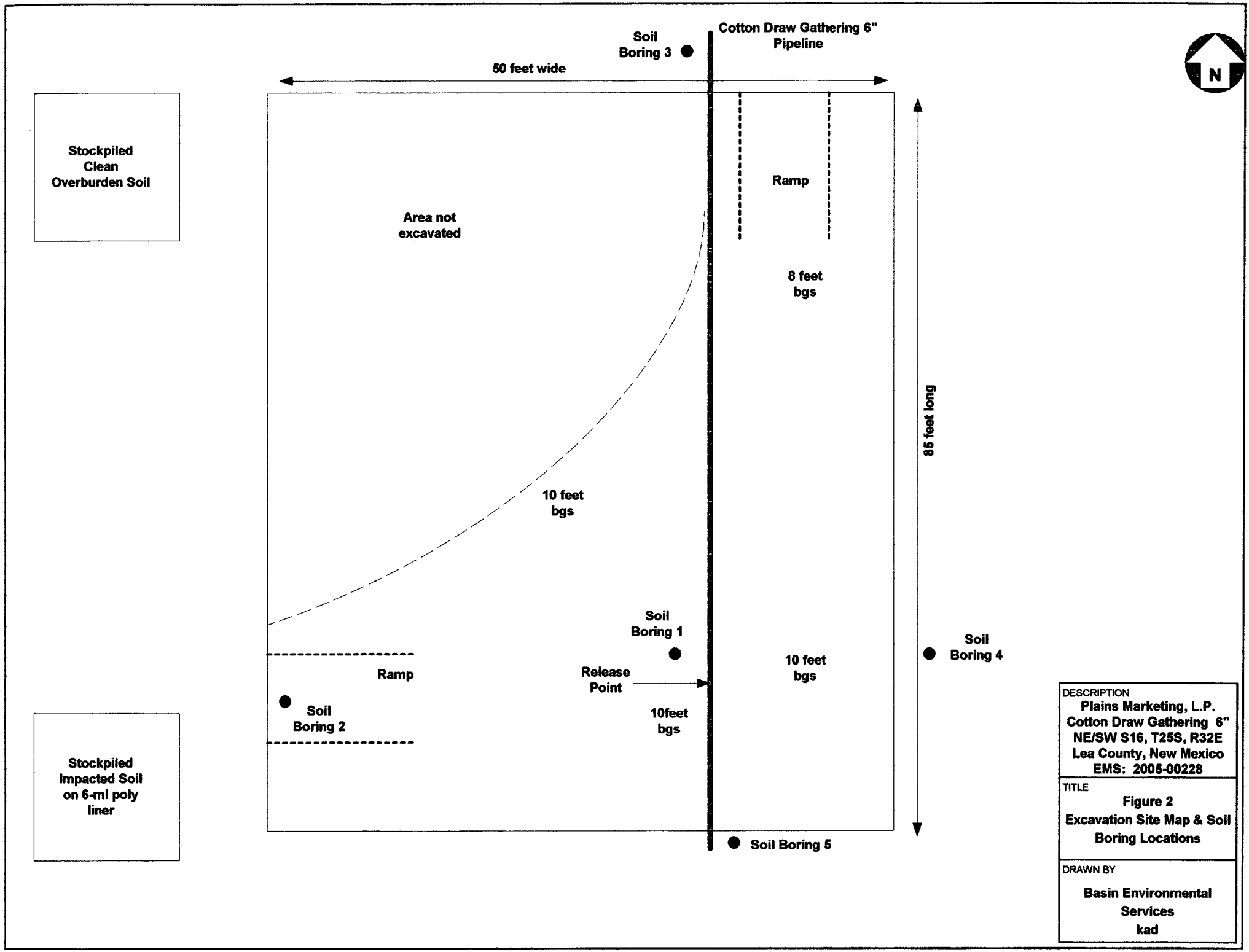
PLAINS MARKETING, L.P.
COTTON DRAW GATHERING 6"
LEA COUNTY, NEW MEXICO
EMS: 2005-00228

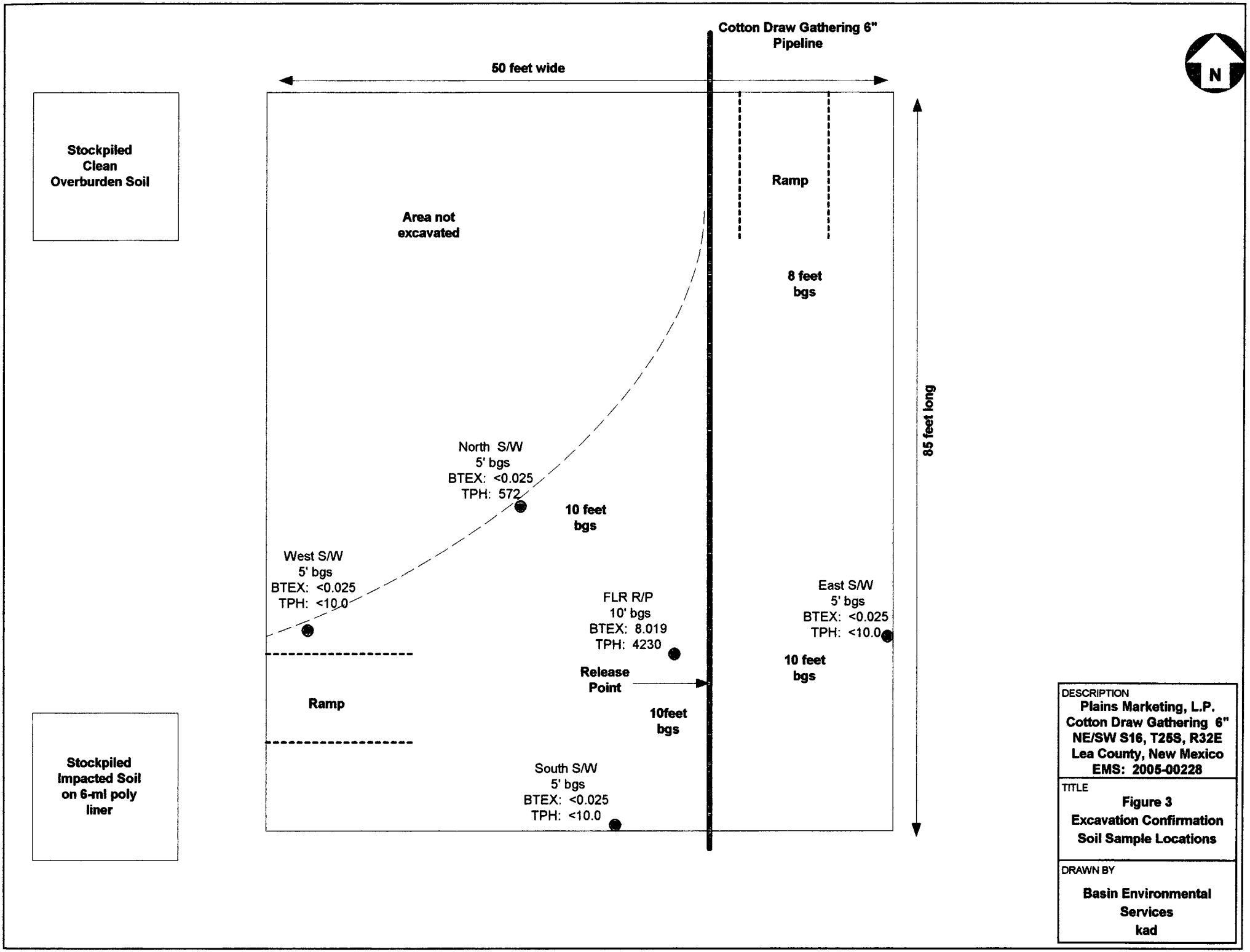
LOCATION	DEPTH (Below normal surface grade)	DATE	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	M,P-XYLENES (mg/kg)	O-XYLENE (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	TPH (mg/kg)	CHLORIDES (mg/kg)
SB-5 20'	20' bgs	11/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
East S/W 5'	5' bgs	12/20/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
West S/W 5'	5' bgs	12/20/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
North S/W 5'	5' bgs	12/20/05	<0.025	<0.025	<0.025	<0.025	<0.025	25.9	546	572	
South S/W 5'	5' bgs	12/20/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
FLR RP 10'	10' bgs	12/20/05	0.099	1.370	1.02	3.64	1.89	783	3450	4230	
North Stkpl	N/A	12/20/05	<0.025	<0.025	<0.025	0.028	0.039	96.4	1150	1250	
South Stkpl	N/A	12/20/05	0.721	8.08	3.42	25.2	14.7	5050	17300	22400	
NMOCD CRITERIA			10	TOTAL BTEX 50						5000	



Name: PADUCA BREAKS NW
Date: 1/17/2006
Scale: 1 inch equals 2000 feet

Location: 032° 07' 39.22" N 103° 40' 57.94" W
Caption: Figure 1, Site Location Map
Plains Marketing, L. P.
Cotton Draw Gathering 6"
EMS: 2005 00228


Soil Boring 3
Cotton Draw Gathering 6" Pipeline
50 feet wide
N
Stockpiled Clean Overburden Soil
Ramp
Area not excavated
8 feet bgs
85 feet long
10 feet bgs
Soil Boring 1
Soil Boring 4
Ramp
Release Point
10 feet bgs
Soil Boring 2
10feet bgs
Stockpiled Impacted Soil on 6-ml poly liner
Soil Boring 5
DESCRIPTION
Plains Marketing, L.P.
Cotton Draw Gathering 6"
NE/SW S16, T25S, R32E
Lea County, New Mexico
EMS: 2005-00228
TITLE
Figure 2
Excavation Site Map & Soil Boring Locations
DRAWN BY
Basin Environmental Services
kad



DESCRIPTION
Plains Marketing, L.P.
Cotton Draw Gathering 6"
NE/SW S16, T25S, R32E
Lea County, New Mexico
EMS: 2005-00228

TITLE
Figure 3
Excavation Confirmation Soil Sample Locations

DRAWN BY
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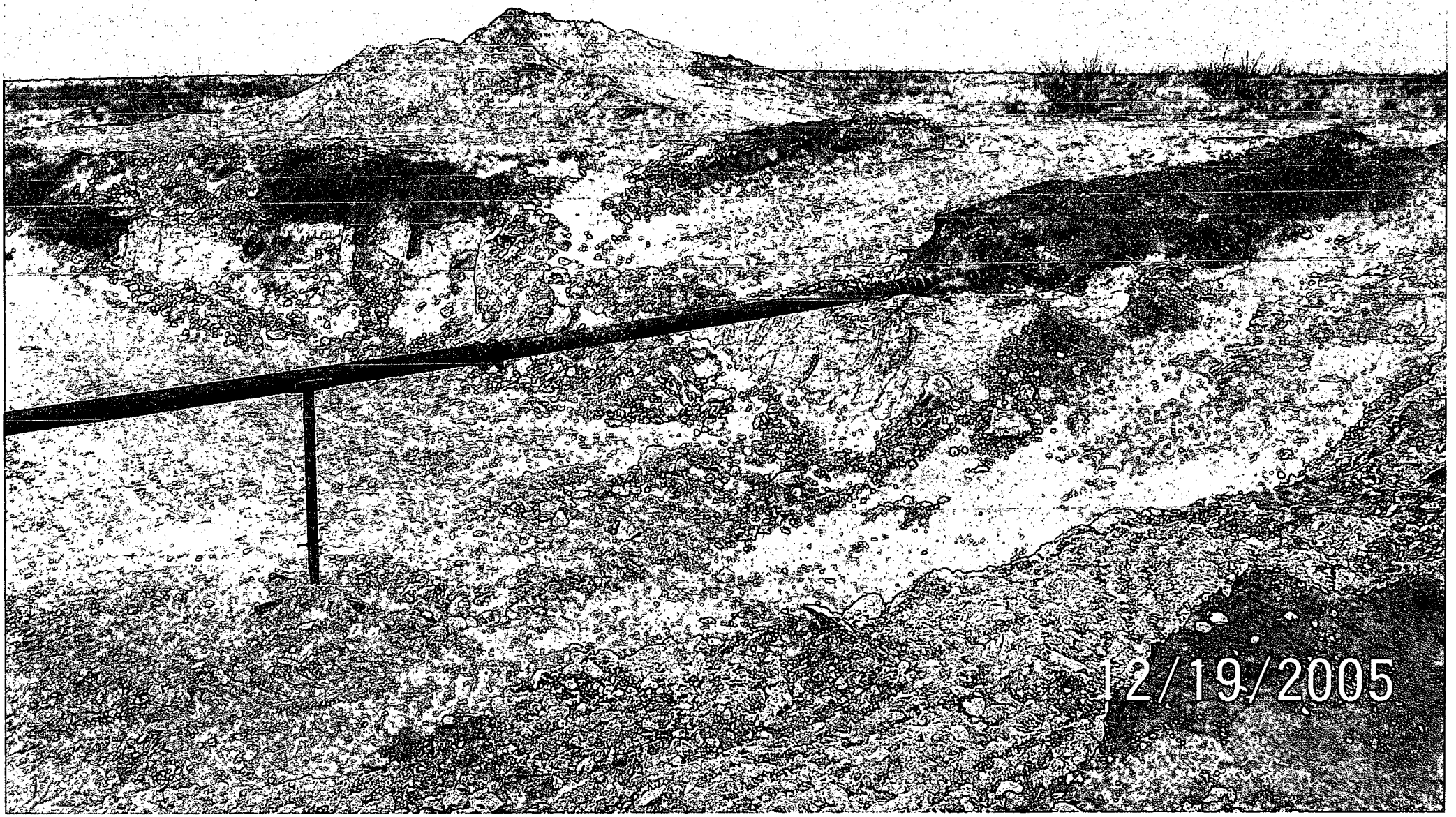
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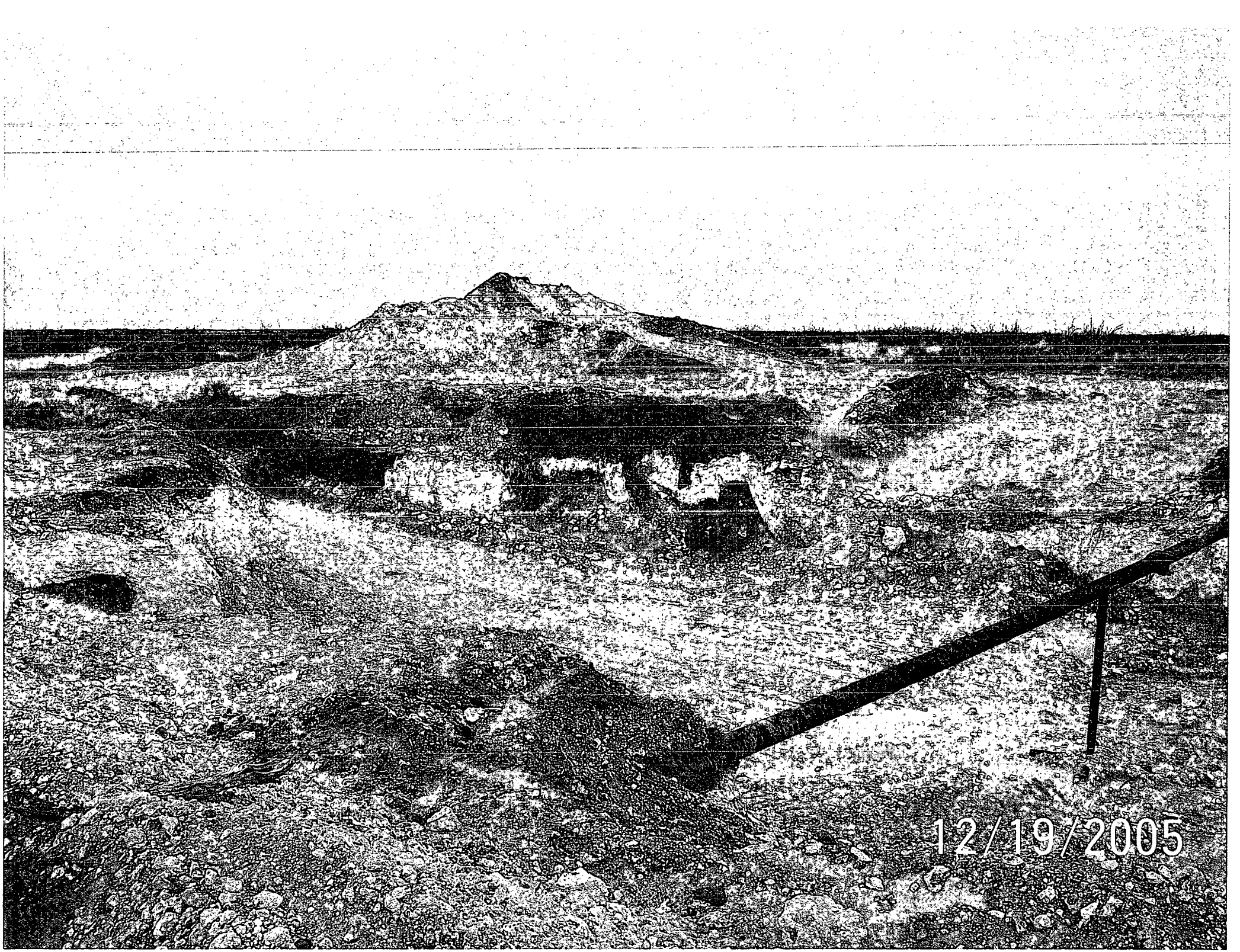
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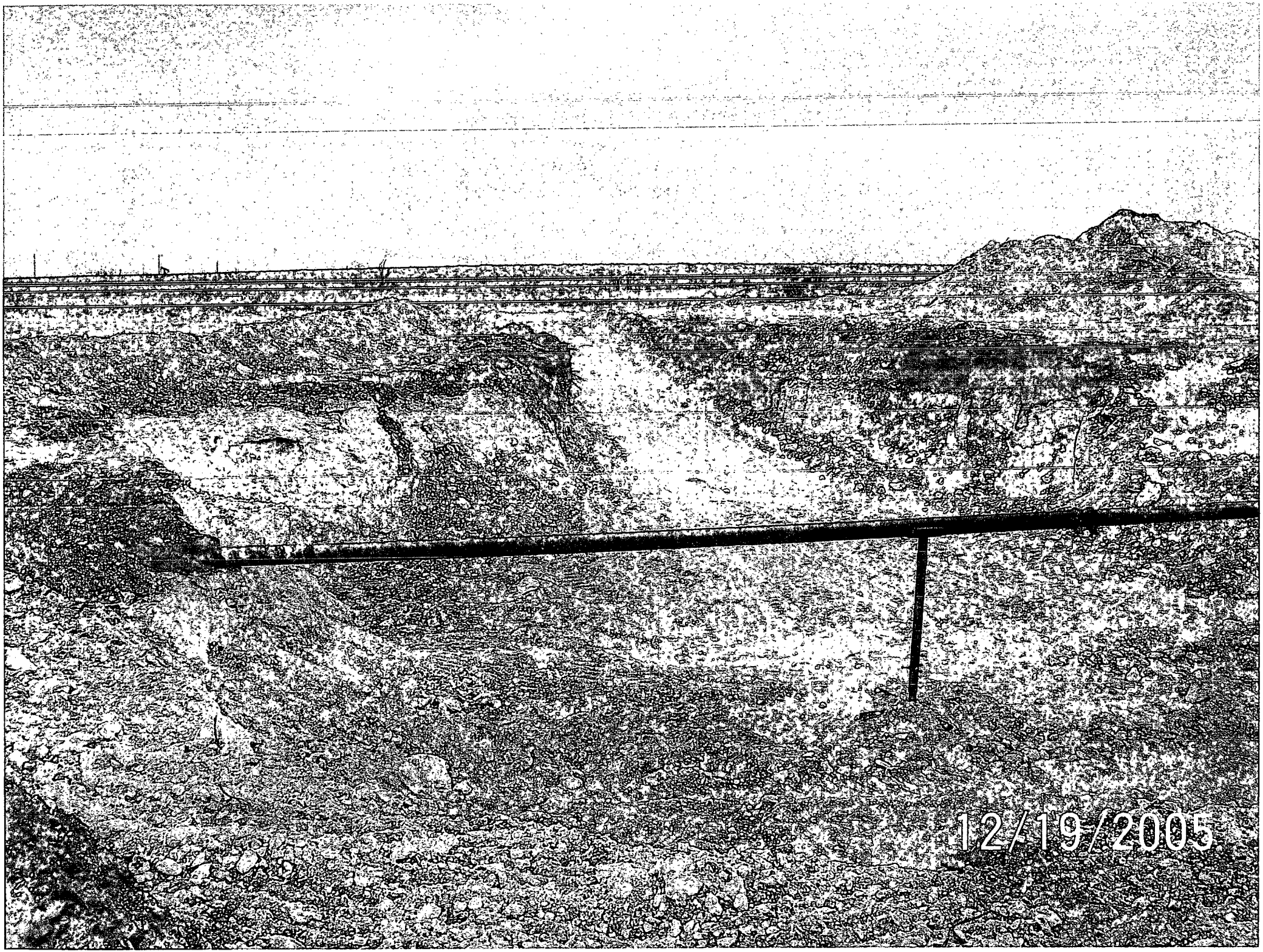
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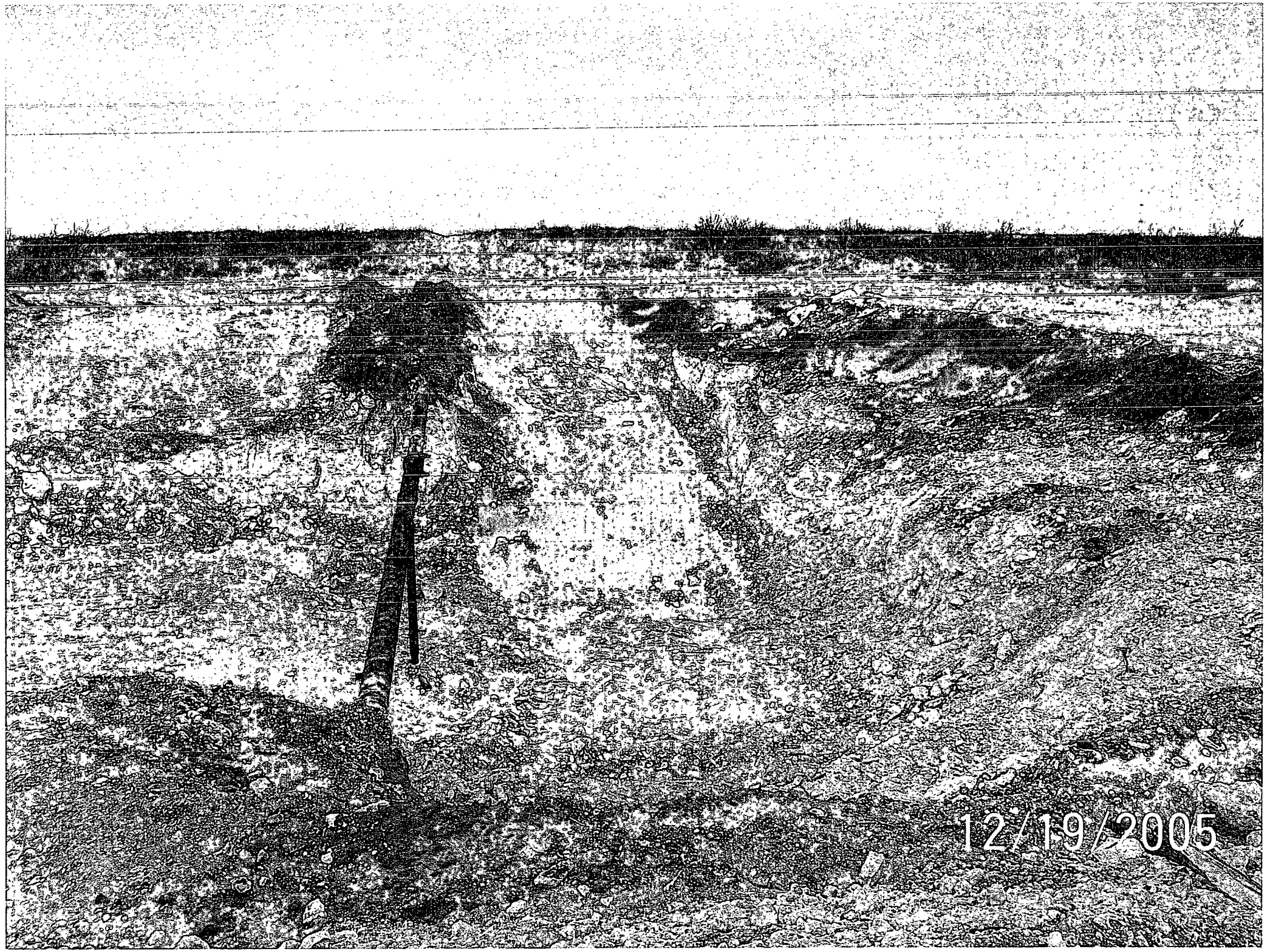
12/19/2005

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 25S Range: 32E Sections: 16

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

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

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

Clear Form | iWATERS Menu | Help

POD / SURFACE DATA REPORT 01/17/2C

DB File Nbr	Use	(acre ft per annum) Diversion	Owner	POD Nu

No Records found, try again

New Mexico Office of the State Engineer
Point of Diversion Summary

Back

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y
L 01656 APPRO	25S	32E	32	2	1				

Driller Licence: 46 ABBOTT BROTHERS COMPANY
Driller Name: ABBOTT, CLYDE **Source:** Shal
Drill Start Date: 10/28/1952 **Drill Finish Date:** 10/3
Log File Date: 11/13/1952 **PCW Received Date:** 11/1
Pump Type: TURBIN **Pipe Discharge Size:**
Casing Size: 7 **Estimated Yield:**
Depth Well: 331 **Depth Water:** 290

Water Bearing Stratifications:	Top	Bottom	Description
	290	310	Other/Unknown

Casing Perforations:	Top	Bottom
	280	331

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: Cotton Draw Gathering 6 Inch

Project Number: 2005-00228

Location: Lea County, NM

Lab Order Number: 5K19001

Report Date: 11/28/05

Plains All American EH & S	Project: Cotton Draw Gathering 6 Inch	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00228	**Reported:**
Midland TX, 79706-4476	Project Manager: Daniel Bryant	11/28/05 10:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 5'	5K19001-01	Soil	11/14/05 10:35	11/19/05 15:15
SB-1 10'	5K19001-02	Soil	11/14/05 10:40	11/19/05 15:15
SB-1 15'	5K19001-03	Soil	11/14/05 10:44	11/19/05 15:15
SB-1 20'	5K19001-04	Soil	11/14/05 10:48	11/19/05 15:15
SB-1 30'	5K19001-05	Soil	11/14/05 11:14	11/19/05 15:15
SB-2 5'	5K19001-06	Soil	11/14/05 11:38	11/19/05 15:15
SB-2 10'	5K19001-07	Soil	11/14/05 11:43	11/19/05 15:15
SB-2 20'	5K19001-08	Soil	11/14/05 11:52	11/19/05 15:15
SB-3 5'	5K19001-09	Soil	11/14/05 12:54	11/19/05 15:15
SB-3 10'	5K19001-10	Soil	11/14/05 12:57	11/19/05 15:15
SB-3 20'	5K19001-11	Soil	11/14/05 13:07	11/19/05 15:15
SB-4 5'	5K19001-12	Soil	11/14/05 13:32	11/19/05 15:15
SB-4 10'	5K19001-13	Soil	11/14/05 13:36	11/19/05 15:15
SB-4 20'	5K19001-14	Soil	11/14/05 13:47	11/19/05 15:15
SB-5 5'	5K19001-15	Soil	11/14/05 14:04	11/19/05 15:15
SB-5 10'	5K19001-16	Soil	11/14/05 14:07	11/19/05 15:15
SB-5 20'	5K19001-17	Soil	11/14/05 14:15	11/19/05 15:15

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

Plains All American EH & S	Project: Cotton Draw Gathering 6 Inch	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00228	**Reported:**
Midland TX, 79706-4476	Project Manager: Daniel Bryant	11/28/05 10:09

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 5' (5K19001-01) Soil									
Benzene	**0.0456**	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	EPA 8021B	
Toluene	**0.437**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.645**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**2.10**	0.0250	"	"	"	"	"	"	
Xylene (o)	**1.07**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*185 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*172 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**508**	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	**2410**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**2920**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*76.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
SB-1 10' (5K19001-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*111 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**78.0**	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	**919**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**997**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*76.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*90.6 %*	*70-130*		"	"	"	"	
SB-1 15' (5K19001-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.6 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	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
SB-1 15' (5K19001-03) Soil									
Surrogate: 1-Chlorooctane		*80.4 %*	*70-130*		*EK52101*	*11/21/05*	*11/22/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*70.0 %*	*70-130*		"	"	"	"	
SB-1 20' (5K19001-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*107 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.0 %*	*70-130*		"	"	"	"	
SB-1 30' (5K19001-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*109 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*80.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.0 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2 5' (5K19001-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.4 %*	*70-130*		"	"	"	"	
SB-2 10' (5K19001-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*109 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.0 %*	*70-130*		"	"	"	"	
SB-2 20' (5K19001-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.9 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2 20' (5K19001-08) Soil									
Surrogate: 1-Chlorooctane		*77.4 %*	*70-130*		*EK52101*	*11/21/05*	*11/22/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	
SB-3 5' (5K19001-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*80.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*71.2 %*	*70-130*		"	"	"	"	
SB-3 10' (5K19001-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.9 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*78.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*106 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 20' (5K19001-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*75.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	
SB-4 5' (5K19001-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*97.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*76.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.2 %*	*70-130*		"	"	"	"	
SB-4 10' (5K19001-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.6 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-4 10' (5K19001-13) Soil									
Surrogate: 1-Chlorooctane		*77.6 %*	*70-130*		*EK52101*	*11/21/05*	*11/22/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
SB-4 20' (5K19001-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*100 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*78.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
SB-5 5' (5K19001-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.6 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*93.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*75.8 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-5 10' (5K19001-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.8 %*	*70-130*		"	"	"	"	
SB-5 20' (5K19001-17) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52102	11/21/05	11/22/05	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		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.1 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK52101	11/21/05	11/22/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*81.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.8 %*	*70-130*		"	"	"	"	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 5' (5K19001-01) Soil									
% Moisture	**7.2**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-1 10' (5K19001-02) Soil									
% Moisture	**4.0**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-1 15' (5K19001-03) Soil									
% Moisture	**2.6**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-1 20' (5K19001-04) Soil									
Chloride	**80.3**	5.00	mg/kg	10	EK52314	11/22/05	11/23/05	EPA 300.0	
% Moisture	**1.8**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-1 30' (5K19001-05) Soil									
% Moisture	**1.3**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-2 5' (5K19001-06) Soil									
% Moisture	**6.7**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-2 10' (5K19001-07) Soil									
% Moisture	**5.1**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-2 20' (5K19001-08) Soil									
% Moisture	**4.0**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-3 5' (5K19001-09) Soil									
% Moisture	**5.6**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-3 10' (5K19001-10) Soil									
% Moisture	**4.1**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 20' (5K19001-11) Soil									
% Moisture	**2.1**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-4 5' (5K19001-12) Soil									
% Moisture	**8.3**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-4 10' (5K19001-13) Soil									
% Moisture	**11.2**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-4 20' (5K19001-14) Soil									
% Moisture	**4.2**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-5 5' (5K19001-15) Soil									
% Moisture	**5.0**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-5 10' (5K19001-16) Soil									
% Moisture	**3.4**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	
SB-5 20' (5K19001-17) Soil									
% Moisture	**2.7**	0.1	%	1	EK52205	11/21/05	11/22/05	% calculation	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK52101 - Solvent Extraction (GC)										
Blank (EK52101-BLK1)				Prepared: 11/21/05 Analyzed: 11/22/05						
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	*38.7*		*mg/kg*	*50.0*		*77.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.4*		*"*	*50.0*		*70.8*	*70-130*			
Calibration Check (EK52101-CCV1)				Prepared: 11/21/05 Analyzed: 11/22/05						
Gasoline Range Organics C6-C12	423		mg/kg	500		84.6	80-120			
Diesel Range Organics >C12-C35	587		"	500		117	80-120			
Total Hydrocarbon C6-C35	1010		"	1000		101	80-120			
Surrogate: 1-Chlorooctane	*56.8*		*"*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.6*		*"*	*50.0*		*105*	*70-130*			
Matrix Spike (EK52101-MS1)	**Source: 5K19001-01**			Prepared: 11/21/05 Analyzed: 11/22/05						
Gasoline Range Organics C6-C12	1010	10.0	mg/kg dry	539	508	93.1	75-125			
Diesel Range Organics >C12-C35	3000	10.0	"	539	2410	109	75-125			
Total Hydrocarbon C6-C35	4010	10.0	"	1080	2920	101	75-125			
Surrogate: 1-Chlorooctane	*47.4*		*mg/kg*	*50.0*		*94.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*61.7*		*"*	*50.0*		*123*	*70-130*			
Matrix Spike Dup (EK52101-MSD1)	**Source: 5K19001-01**			Prepared: 11/21/05 Analyzed: 11/22/05						
Gasoline Range Organics C6-C12	994	10.0	mg/kg dry	539	508	90.2	75-125	1.60	20	
Diesel Range Organics >C12-C35	2970	10.0	"	539	2410	104	75-125	1.01	20	
Total Hydrocarbon C6-C35	3960	10.0	"	1080	2920	96.3	75-125	1.25	20	
Surrogate: 1-Chlorooctane	*46.5*		*mg/kg*	*50.0*		*93.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.9*		*"*	*50.0*		*122*	*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 EK52102 - EPA 5030C (GC)										
Blank (EK52102-BLK1)				Prepared: 11/21/05 Analyzed: 11/22/05						
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	*0.0381*		"	*0.0400*		*95.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0320*		"	*0.0400*		*80.0*	*80-120*			
LCS (EK52102-BS1)				Prepared: 11/21/05 Analyzed: 11/22/05						
Benzene	0.0530	0.00100	mg/kg wet	0.0500		106	80-120			
Toluene	0.0581	0.00100	"	0.0500		116	80-120			
Ethylbenzene	0.0562	0.00100	"	0.0500		112	80-120			
Xylene (p/m)	0.103	0.00100	"	0.100		103	80-120			
Xylene (o)	0.0553	0.00100	"	0.0500		111	80-120			
Surrogate: a,a,a-Trifluorotoluene	*0.0438*		"	*0.0400*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0328*		"	*0.0400*		*82.0*	*80-120*			
Calibration Check (EK52102-CCV1)				Prepared: 11/21/05 Analyzed: 11/22/05						
Benzene	51.6		ug/kg	50.0		103	80-120			
Toluene	55.5		"	50.0		111	80-120			
Ethylbenzene	52.2		"	50.0		104	80-120			
Xylene (p/m)	95.4		"	100		95.4	80-120			
Xylene (o)	51.4		"	50.0		103	80-120			
Surrogate: a,a,a-Trifluorotoluene	*0.0447*		*mg/kg wet*	*0.0400*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0345*		"	*0.0400*		*86.2*	*80-120*			
Matrix Spike (EK52102-MS1)	**Source: 5K19001-16**			Prepared: 11/21/05 Analyzed: 11/22/05						
Benzene	1.39	0.0250	mg/kg dry	1.29	ND	108	80-120			
Toluene	1.55	0.0250	"	1.29	ND	120	80-120			
Ethylbenzene	1.54	0.0250	"	1.29	ND	119	80-120			
Xylene (p/m)	2.91	0.0250	"	2.59	ND	112	80-120			
Xylene (o)	1.53	0.0250	"	1.29	ND	119	80-120			
Surrogate: a,a,a-Trifluorotoluene	*0.0448*		"	*0.0414*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0446*		"	*0.0414*		*108*	*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 EK52102 - EPA 5030C (GC)										
Matrix Spike Dup (EK52102-MSD1)	**Source: 5K19001-16**			Prepared: 11/21/05 Analyzed: 11/22/05						
Benzene	1.38	0.0250	mg/kg dry	1.29	ND	107	80-120	0.930	20	
Toluene	1.54	0.0250	"	1.29	ND	119	80-120	0.837	20	
Ethylbenzene	1.55	0.0250	"	1.29	ND	120	80-120	0.837	20	
Xylene (p/m)	2.82	0.0250	"	2.59	ND	109	80-120	2.71	20	
Xylene (o)	1.53	0.0250	"	1.29	ND	119	80-120	0.00	20	
Surrogate: a,a,a-Trifluorotoluene	*0.0468*		*"*	*0.0414*		*113*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0475*		*"*	*0.0414*		*115*	*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 EK52205 - General Preparation (Prep)										
Blank (EK52205-BLK1)				Prepared: 11/21/05 Analyzed: 11/22/05						
% Solids	100		%							
Duplicate (EK52205-DUP1)	**Source: 5K19001-01**			Prepared: 11/21/05 Analyzed: 11/22/05						
% Solids	92.6		%		92.8			0.216	20	
Batch EK52314 - Water Extraction										
Blank (EK52314-BLK1)				Prepared: 11/22/05 Analyzed: 11/23/05						
Chloride	ND	0.500	mg/kg							
Blank (EK52314-BLK2)				Prepared: 11/22/05 Analyzed: 11/23/05						
Chloride	ND	0.500	mg/kg							
LCS (EK52314-BS1)				Prepared: 11/22/05 Analyzed: 11/23/05						
Chloride	8.78		mg/L	10.0		87.8	80-120			
LCS (EK52314-BS2)				Prepared: 11/22/05 Analyzed: 11/23/05						
Chloride	8.58		mg/L	10.0		85.8	80-120			
Calibration Check (EK52314-CCV1)				Prepared: 11/22/05 Analyzed: 11/23/05						
Chloride	8.47		mg/L	10.0		84.7	80-120			
Calibration Check (EK52314-CCV2)				Prepared: 11/22/05 Analyzed: 11/23/05						
Chloride	8.59		mg/L	10.0		85.9	80-120			
Duplicate (EK52314-DUP1)	**Source: 5K17001-21**			Prepared: 11/22/05 Analyzed: 11/23/05						
Chloride	30.0	10.0	mg/kg		32.3			7.38	20	

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 EK52314 - Water Extraction										
Duplicate (EK52314-DUP2)	**Source: 5K21009-13**			Prepared: 11/22/05 Analyzed: 11/23/05						
Chloride	74.1	10.0	mg/kg		74.3			0.270	20	

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: Raland K. Tuttle Date: 11/28/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

1 of 2

Environmental Lab of Texas I, Ltd.

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: BASIN ENV. SVC.
Company Address: P.O. BOX 301
City/State/Zip: LOVINGTON, NM 88260
Telephone No: (505) 441-2124 Fax No: (505) 369-1429
Sampler Signature: Ken Dutton

Project Name: COTTON DRAW GATHERING 6"
Project #: EMS: 2005-00228
Project Loc: LEA COUNTY, NM
PO #: PAA/D. BRYANT

5K19001

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP: TPH: 418.1	8015M	1005	1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma	CHLORIDES (300.1)	RUSH TAT (Pre-Scheduled)	Standard TAT
-01	SB-1 5'	14 NOV 2005	1035	1	X									X		X									X					X		X
-02	SB-1 10'		1040																													
-03	SB-1 15'		1044																													
-04	SB-1 20'		1048																											X		
-05	SB-1 30'		1114																													
-06	SB-2 5'		1138																													
-07	SB-2 10'		1143																													
-08	SB-2 20'		1152																													
-09	SB-3 5'		1254																													
-10	SB-3 10'		1257																													

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 2.5°C
Laboratory Comments:
4oz glass

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	11/10/05	1515			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Jaime McMurray	11-19-05	1515

2 of 2

Environmental Lab of Texas I, Ltd.

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: BASIN ENV SVC
Company Address: P.O. BOX 301
City/State/Zip: LOVINGTON, NM 88260
Telephone No: (505) 441-2124 Fax No: (505) 369-1429
Sampler Signature: Ken Dutton

Project Name: COTTON DRAW GATHERING 6"
Project #: EMS: 2005-00228
Project Loc: LEA COUNTY, NM
PO #: PAA / D. BRYANT

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 (8015M) 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma			RUSH TAT (Pre-Scheduled)	Standard TAT
5K19001		2005																												
-11	SB-3 20'	14 NOV	1307	1	X									X		X							X						X	
-12	SB-4 5'		1332																											
-13	SB-4 10'		1336																											
-14	SB-4 20'		1347																											
-15	SB-5 5'		1404																											
-16	SB-5 10'		1407																											
-17	SB-5 20'		1415																											

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 2.5°C
Laboratory Comments:
4oz glass

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	11/19/05	1515			
Relinquished by:	**Date**	**Time**	**Received by ELOT:**	**Date**	**Time**
			Jane McMurry	11-19-05	1515

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

Client: Plains P/L

Date/Time: 11-19-05 @ 1515

Order #: 5K19001

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	2.5 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:

Daniel Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Cotton Draw Gathering 6 Inch

Project Number: 2005-00228

Location: Lea Co.

Lab Order Number: 5L20008

Report Date: 12/27/05

Plains All American EH & S	Project: Cotton Draw Gathering 6 Inch	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00228	**Reported:**
Midland TX, 79706-4476	Project Manager: Daniel Bryant	12/27/05 13:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
East S/W 5'	5L20008-01	Soil	12/19/05 10:10	12/20/05 12:15
West S/W 5'	5L20008-02	Soil	12/19/05 10:15	12/20/05 12:15
North S/W 5'	5L20008-03	Soil	12/19/05 10:20	12/20/05 12:15
South S/W 5'	5L20008-04	Soil	12/19/05 10:23	12/20/05 12:15
FLR RP 10'	5L20008-05	Soil	12/19/05 10:27	12/20/05 12:15
North StkP1	5L20008-06	Soil	12/19/05 10:53	12/20/05 12:15
South StkP1	5L20008-07	Soil	12/19/05 10:59	12/20/05 12:15

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
East S/W 5' (5L20008-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL52209	12/22/05	12/22/05	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		*80.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL52004	12/20/05	12/21/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*96.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*81.2 %*	*70-130*		"	"	"	"	
West S/W 5' (5L20008-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL52209	12/22/05	12/22/05	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		*84.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL52004	12/20/05	12/21/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*79.8 %*	*70-130*		"	"	"	"	
North S/W 5' (5L20008-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL52209	12/22/05	12/22/05	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		*80.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**25.9**	10.0	mg/kg dry	1	EL52004	12/20/05	12/21/05	EPA 8015M	
Diesel Range Organics >C12-C35	**546**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**572**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
North S/W 5' (5L20008-03) Soil									
Surrogate: 1-Chlorooctane		*97.6 %*	*70-130*		*EL52004*	*12/20/05*	*12/21/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*111 %*	*70-130*		"	"	"	"	
South S/W 5' (5L20008-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL52209	12/22/05	12/22/05	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		*84.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL52004	12/20/05	12/21/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*93.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*77.0 %*	*70-130*		"	"	"	"	
FLR RP 10' (5L20008-05) Soil									
Benzene	**0.0998**	0.0250	mg/kg dry	25	EL52209	12/22/05	12/22/05	EPA 8021B	
Toluene	**1.37**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**1.02**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**3.64**	0.0250	"	"	"	"	"	"	
Xylene (o)	**1.89**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*204 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*138 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**783**	10.0	mg/kg dry	1	EL52115	12/21/05	12/23/05	EPA 8015M	
Diesel Range Organics >C12-C35	**3450**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**4230**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*128 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*188 %*	*70-130*		"	"	"	"	*S-04*

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
North StkP1 (5L20008-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL52209	12/22/05	12/22/05	EPA 8021B	
Toluene	**ND**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**J [0.0164]**	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	**0.0285**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0397**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*80.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**96.4**	10.0	mg/kg dry	1	EL52115	12/21/05	12/23/05	EPA 8015M	
Diesel Range Organics >C12-C35	**1150**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1250**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*128 %*	*70-130*		"	"	"	"	
South StkP1 (5L20008-07) Soil									
Benzene	**0.721**	0.100	mg/kg dry	100	EL52209	12/22/05	12/23/05	EPA 8021B	
Toluene	**8.08**	0.100	"	"	"	"	"	"	
Ethylbenzene	**3.42**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**25.2**	0.100	"	"	"	"	"	"	
Xylene (o)	**14.7**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*322 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**5050**	100	mg/kg dry	10	EL52115	12/21/05	12/23/05	EPA 8015M	
Diesel Range Organics >C12-C35	**17300**	100	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**22400**	100	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*20.6 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*42.2 %*	*70-130*		"	"	"	"	*S-06*

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East S/W 5' (5L20008-01) Soil									
% Moisture	**3.9**	0.1	%	1	EL52104	12/20/05	12/21/05	% calculation	
West S/W 5' (5L20008-02) Soil									
% Moisture	**1.1**	0.1	%	1	EL52104	12/20/05	12/21/05	% calculation	
North S/W 5' (5L20008-03) Soil									
% Moisture	**1.5**	0.1	%	1	EL52104	12/20/05	12/21/05	% calculation	
South S/W 5' (5L20008-04) Soil									
% Moisture	**1.6**	0.1	%	1	EL52104	12/20/05	12/21/05	% calculation	
FLR RP 10' (5L20008-05) Soil									
% Moisture	**6.7**	0.1	%	1	EL52104	12/20/05	12/21/05	% calculation	
North StkP1 (5L20008-06) Soil									
% Moisture	**1.9**	0.1	%	1	EL52104	12/20/05	12/21/05	% calculation	
South StkP1 (5L20008-07) Soil									
% Moisture	**2.6**	0.1	%	1	EL52104	12/20/05	12/21/05	% calculation	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL52004 - Solvent Extraction (GC)										
Blank (EL52004-BLK1)				Prepared & Analyzed: 12/20/05						
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	*49.0*		*mg/kg*	*50.0*		*98.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.4*		"	*50.0*		*80.8*	*70-130*			
LCS (EL52004-BS1)				Prepared & Analyzed: 12/20/05						
Gasoline Range Organics C6-C12	436	10.0	mg/kg wet	500		87.2	75-125			
Diesel Range Organics >C12-C35	506	10.0	"	500		101	75-125			
Total Hydrocarbon C6-C35	942	10.0	"	1000		94.2	75-125			
Surrogate: 1-Chlorooctane	*54.4*		*mg/kg*	*50.0*		*109*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.3*		"	*50.0*		*84.6*	*70-130*			
Calibration Check (EL52004-CCV1)				Prepared: 12/20/05 Analyzed: 12/21/05						
Gasoline Range Organics C6-C12	431		mg/kg	500		86.2	80-120			
Diesel Range Organics >C12-C35	585		"	500		117	80-120			
Total Hydrocarbon C6-C35	1020		"	1000		102	80-120			
Surrogate: 1-Chlorooctane	*57.5*		*"*	*50.0*		*115*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.4*		*"*	*50.0*		*94.8*	*70-130*			
Matrix Spike (EL52004-MS1)	**Source: 5L19001-03**			Prepared & Analyzed: 12/20/05						
Gasoline Range Organics C6-C12	603	10.0	mg/kg dry	672	28.6	85.5	75-125			
Diesel Range Organics >C12-C35	758	10.0	"	672	183	85.6	75-125			
Total Hydrocarbon C6-C35	1360	10.0	"	1340	212	85.7	75-125			
Surrogate: 1-Chlorooctane	*47.5*		*mg/kg*	*50.0*		*95.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.5*		*"*	*50.0*		*85.0*	*70-130*			
Matrix Spike Dup (EL52004-MSD1)	**Source: 5L19001-03**			Prepared: 12/20/05 Analyzed: 12/21/05						
Gasoline Range Organics C6-C12	597	10.0	mg/kg dry	672	28.6	84.6	75-125	1.00	20	
Diesel Range Organics >C12-C35	754	10.0	"	672	183	85.0	75-125	0.529	20	
Total Hydrocarbon C6-C35	1350	10.0	"	1340	212	84.9	75-125	0.738	20	
Surrogate: 1-Chlorooctane	*47.9*		*mg/kg*	*50.0*		*95.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.8*		*"*	*50.0*		*99.6*	*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 EL52115 - Solvent Extraction (GC)										
Blank (EL52115-BLK1)				Prepared: 12/21/05 Analyzed: 12/23/05						
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	*48.0*		*mg/kg*	*50.0*		*96.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.3*		*"*	*50.0*		*76.6*	*70-130*			
LCS (EL52115-BS1)				Prepared: 12/21/05 Analyzed: 12/23/05						
Gasoline Range Organics C6-C12	454	10.0	mg/kg wet	500		90.8	75-125			
Diesel Range Organics >C12-C35	523	10.0	"	500		105	75-125			
Total Hydrocarbon C6-C35	977	10.0	"	1000		97.7	75-125			
Surrogate: 1-Chlorooctane	*49.6*		*mg/kg*	*50.0*		*99.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.3*		*"*	*50.0*		*103*	*70-130*			
Calibration Check (EL52115-CCV1)				Prepared: 12/21/05 Analyzed: 12/23/05						
Gasoline Range Organics C6-C12	451		mg/kg	500		90.2	80-120			
Diesel Range Organics >C12-C35	536		"	500		107	80-120			
Total Hydrocarbon C6-C35	987		"	1000		98.7	80-120			
Surrogate: 1-Chlorooctane	*49.9*		*"*	*50.0*		*99.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.5*		*"*	*50.0*		*129*	*70-130*			
Matrix Spike (EL52115-MS1)	**Source: 5L21005-21**			Prepared: 12/21/05 Analyzed: 12/23/05						
Gasoline Range Organics C6-C12	559	10.0	mg/kg dry	511	93.0	91.2	75-125			
Diesel Range Organics >C12-C35	2020	10.0	"	511	1420	117	75-125			
Total Hydrocarbon C6-C35	2580	10.0	"	1020	1510	105	75-125			
Surrogate: 1-Chlorooctane	*52.7*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*90.2*		*"*	*50.0*		*180*	*70-130*			*S-04*
Matrix Spike Dup (EL52115-MSD1)	**Source: 5L21005-21**			Prepared: 12/21/05 Analyzed: 12/23/05						
Gasoline Range Organics C6-C12	558	10.0	mg/kg dry	511	93.0	91.0	75-125	0.179	20	
Diesel Range Organics >C12-C35	1980	10.0	"	511	1420	110	75-125	2.00	20	
Total Hydrocarbon C6-C35	2540	10.0	"	1020	1510	101	75-125	1.56	20	
Surrogate: 1-Chlorooctane	*53.0*		*mg/kg*	*50.0*		*106*	*70-130*			
Surrogate: 1-Chlorooctadecane	*88.5*		*"*	*50.0*		*177*	*70-130*			*S-04*

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 EL52209 - EPA 5030C (GC)										
Blank (EL52209-BLK1)				Prepared: 12/22/05 Analyzed: 12/23/05						
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	*36.8*		*ug/kg*	*40.0*		*92.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.2*		*"*	*40.0*		*88.0*	*80-120*			
LCS (EL52209-BS1)				Prepared: 12/22/05 Analyzed: 12/23/05						
Benzene	1.06	0.0250	mg/kg wet	1.25		84.8	80-120			
Toluene	1.31	0.0250	"	1.25		105	80-120			
Ethylbenzene	1.46	0.0250	"	1.25		117	80-120			
Xylene (p/m)	2.99	0.0250	"	2.50		120	80-120			
Xylene (o)	1.49	0.0250	"	1.25		119	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.2*		*ug/kg*	*40.0*		*85.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*45.3*		*"*	*40.0*		*113*	*80-120*			
Calibration Check (EL52209-CCV1)				Prepared: 12/22/05 Analyzed: 12/23/05						
Benzene	50.0		ug/kg	50.0		100	80-120			
Toluene	55.5		"	50.0		111	80-120			
Ethylbenzene	49.1		"	50.0		98.2	80-120			
Xylene (p/m)	99.4		"	100		99.4	80-120			
Xylene (o)	47.7		"	50.0		95.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*38.7*		*"*	*40.0*		*96.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.8*		*"*	*40.0*		*84.5*	*80-120*			
Matrix Spike (EL52209-MS1)	**Source: 5L20008-01**			Prepared: 12/22/05 Analyzed: 12/23/05						
Benzene	1.10	0.0250	mg/kg dry	1.30	ND	84.6	80-120			
Toluene	1.37	0.0250	"	1.30	ND	105	80-120			
Ethylbenzene	1.48	0.0250	"	1.30	ND	114	80-120			
Xylene (p/m)	3.03	0.0250	"	2.60	ND	117	80-120			
Xylene (o)	1.52	0.0250	"	1.30	ND	117	80-120			
Surrogate: a,a,a-Trifluorotoluene	*38.6*		*ug/kg*	*40.0*		*96.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.9*		*"*	*40.0*		*107*	*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 EL52209 - EPA 5030C (GC)										
Matrix Spike Dup (EL52209-MSD1)	**Source: 5L20008-01**			Prepared: 12/22/05 Analyzed: 12/23/05						
Benzene	1.05	0.0250	mg/kg dry	1.30	ND	80.8	80-120	4.59	20	
Toluene	1.30	0.0250	"	1.30	ND	100	80-120	4.88	20	
Ethylbenzene	1.40	0.0250	"	1.30	ND	108	80-120	5.41	20	
Xylene (p/m)	2.92	0.0250	"	2.60	ND	112	80-120	4.37	20	
Xylene (o)	1.44	0.0250	"	1.30	ND	111	80-120	5.26	20	
Surrogate: a,a,a-Trifluorotoluene	*34.3*		*ug/kg*	*40.0*		*85.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.1*		*"*	*40.0*		*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 EL52104 - General Preparation (Prep)										
Blank (EL52104-BLK1)				Prepared: 12/20/05 Analyzed: 12/21/05						
% Moisture	ND	0.1	%							
Duplicate (EL52104-DUP1)		**Source: 5L20004-01**		Prepared: 12/20/05 Analyzed: 12/21/05						
% Moisture	4.3	0.1	%		4.3			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.
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: Raland K Tuttle Date: 12/27/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas I, Ltd.

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Odessa, Texas 79763
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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Kenneth Dutton
Company Name: Basin Environmental
Company Address: P.O. Box 301
City/State/Zip: Lovington NM
Telephone No: 505-441-2124 Fax No: 505-396-1429
Sampler Signature:

Project Name: Cotton Draw Gathering 6"
Project #: EMS#2005-00228
Project Loc: Lea County
PO #: PAA / D. Bryant

5L20008

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 (8015) 1005 1006	TOTAL: TPH: 418.1 (8015) 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	G.R.O.R.M.	Total Gamma			RUSH TAT (Pre-Schedule)	Standard TAT
-01	East S/W 5'	12/19/05	10:10am	1	✓									✓										✓						✓
-02	West S/W 5'	"	10:15am	1																										
-03	North S/W 5'	"	10:20am	1																										
-04	South S/W 5'	"	10:23am	1																										
-05	FLR RP 10'	"	10:27am	1																										
-06	North StkPl	"	10:53	1																										
-07	South StkPl	"	10:59	1																										

Special Instructions:

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

Relinquished by:	Date	Time	Received by:	Date	Time
	12/19/05	4:30		12-19-05	4:50
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	12/20/05	11:15		12-20-05	1215

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

Client: Plains / Basin

Date/Time: 12/20/05 12:15

Order #: 5L20008

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	0.5 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

Plains Marketing, L. P.
Cotton Draw Gathering 6"
Lea County, New Mexico
NE/SW S16, T25S, R32E
EMS: 2005-00228

Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
Excavation Floor (10' bgs)					
5		1070 ppm	Heavy	Moderate	Caliche Layer, Imbeeded w/Sandstone, Dry
10		327 ppm	Moderate	None	Sand (SP) White-Brown, Very Fine Grained, Well Sorted, Dry
15		60.4 ppm	None	None	
20		46.2 ppm	None	None	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Dry
25		25.3 ppm	None	None	
30	TD	10.2 ppm	None	None	

Soil Boring Completion Data

TD: 30 Feet bgs

Installed 14 November 2005
Basin Environmental Service Technologies

☐ Samples selected for analysis

Soil Boring Completion Data

8 bags of hydrated Bentonite Plug
Surface to 30' bgs

TITLE	DESCRIPTION
Appendix C Cotton Draw Gathering 6"	Soil Boring 1
DRAWN BY KAD	DATE 28 December 2005

Plains Marketing, L. P.
Cotton Draw Gathering 6"
Lea County, New Mexico
NE/SW S16, T25S, R32E
EMS: 2005-00228

Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
Surface					
5		3.8 ppm	None	None	Caliche Layer, Dry
10		6.2 ppm	None	None	Caliche Layer, Imbeeded w/Sandstone, Dry
15		1.7 ppm	None	None	Sand (SP) White-Brown, Very Fine Grained, Well Sorted, Dry
20	TD	1.4 ppm	None	None	

Soil Boring Completion Data

TD: 20 Feet bgs

Installed 14 November 2005
Basin Environmental Service Technologies

Samples selected for analysis

Soil Boring Completion Data

4 bags of hydrated Bentonite Plug Surface to 20' bgs

TITLE	DESCRIPTION
Appendix C Cotton Draw Gathering 6"	Soil Boring 2
DRAWN BY KAD	DATE 28 December 2005

Plains Marketing, L. P.
Cotton Draw Gathering 6"
Lea County, New Mexico
NE/SW S16, T25S, R32E
EMS: 2005-00228

Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
Surface					
5		1.6 ppm	None	None	Caliche Layer, Dry
10		1.0 ppm	None	None	Caliche Layer, Imbeeded w/Sandstone, Dry
15		0.9 ppm	None	None	Sand (SP) White-Brown, Very Fine Grained, Well Sorted, Dry
20	TD	1.0 ppm	None	None	

Soil Boring Completion Data

TD: 20 Feet bgs

Installed 14 November 2005
Basin Environmental Service Technologies

Samples selected for analysis

Soil Boring Completion Data

4 bags of hydrated Bentonite Plug Surface to 20' bgs

TITLE	DESCRIPTION
Appendix C Cotton Draw Gathering 6"	Soil Boring 3
DRAWN BY KAD	DATE 28 December 2005

Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
Surface					
5		1.2 ppm	None	None	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Dry
10		1.2 ppm	None	None	
15		1.0 ppm	None	None	Caliche Layer, Imbeeded w/Sandstone, Dry
20 TD		0.8 ppm	None	None	Sand (SP) White-Brown, Very Fine Grained, Well Sorted, Dry

Plains Marketing, L. P.
Cotton Draw Gathering 6"
Lea County, New Mexico
NE/SW S16, T25S, R32E
EMS: 2005-00228

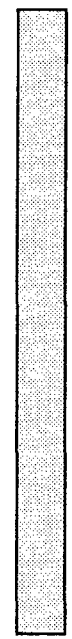
Soil Boring Completion Data

TD: 20 Feet bgs

Installed 14 November 2005
Basin Environmental Service Technologies

☐ Samples selected for analysis

Soil Boring Completion Data



4 bags of hydrated Bentonite Plug
Surface to 20' bgs

TITLE	DESCRIPTION
Appendix C Cotton Draw Gathering 6"	Soil Boring 4
DRAWN BY KAD	DATE 28 December 2005

Plains Marketing, L. P.
Cotton Draw Gathering 6"
Lea County, New Mexico
NE/SW S16, T25S, R32E
EMS: 2005-00228

Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
Surface					
5		0.5 ppm	None	None	Caliche Layer, Dry
10		0.4 ppm	None	None	Caliche Layer, Imbeeded w/Sandstone, Dry
15		0.3 ppm	None	None	Sand (SP) White-Brown, Very Fine Grained, Well Sorted, Dry
20	TD	0.4 ppm	None	None	

Soil Boring Completion Data

TD: 20 Feet bgs

Installed 14 November 2005
Basin Environmental Service Technologies

☐ Samples selected for analysis

Soil Boring Completion Data

4 bags of hydrated Bentonite Plug
Surface to 20' bgs

TITLE	DESCRIPTION
Appendix C Cotton Draw Gathering 6"	Soil Boring 5
DRAWN BY KAD	DATE 28 December 2005

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Plains Pipeline, LP	Contact	Daniel Bryant
Address	P.O. Box 3119 – Midland, Tx 79702	Telephone No.	(432) 557-5865
Facility Name	Cotton Draw Gathering 6"	Facility Type	Pipeline

Surface Owner NM State Land Office	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
K	16	25S	32E					Lea

295'

Latitude N 32° 07.648" **Longitude** W 103° 40.909"

NATURE OF RELEASE

Type of Release Sweet Crude Oil	Volume of Release 8 bbls	Volume Recovered 0 bbls
Source of Release 6" steel transmission line	Date and Hour of Occurrence 10/04/2005 07:30	Date and Hour of Discovery 10/04/2005 08:00
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Daniel Bryant	Date and Hour 10/06/2005 10:45	
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.*
Internal Corrosion caused a release of 8 bbls sweet crude oil on a 6" gathering line. Line was clamped to mitigate the release until a pipeline replacement could be made. The pressure of the line is 45 lbs and throughput on the pipeline is approximately 1,250 bbls per month. The gravity of the crude oil is 37.4. H_2S content is <10 ppm. Line depth is approximately 1.5' at the release source.

Describe Area Affected and Cleanup Action Taken.* .
Visible staining from the pipeline release measured 50' X 10' yielding 500 ft^2.
Impacted soil will be remediated per NMOCD guidelines.

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: Daniel Bryant	OIL CONSERVATION DIVISION	
Printed Name: Daniel Bryant	Approved by District Supervisor:	
Title: Environmental R/C Specialist	Approval Date:	Expiration Date:
E-mail Address: dmbryant@paalp.com	Conditions of Approval:	Attached ☐
Date: 10/10/05 Phone: (432) 557-5865		

* Attach Additional Sheets If Necessary