Basin Environmental Service Technologies, LLC

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Effective Solutions

PRELIMINARY SITE INVESTIGATION REPORT
and
REMEDIATION/CLOSURE PLAN

APPROVED 12.9.05
12.29.05

PLAINS MARKETING, L.P.
Young Deep to Lynch 8" Sweet
Lea County, New Mexico
Plains EMS # 2005-00120
UNIT E (SW/NW), Section 18, Township 20S, Range 34E
Latitude, Longitude 32°, 34', 34.4" North, 103°, 36', 27.1" West

Prepared For:

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

DEC 2005
Received
Hobbs
OCD

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

02 December 2005

Ken Dutton
Basin Environmental Service Technologies, LLC

TABLE OF CONTENTS

Tables

Figures

Appendices

INTRODUCTION

Basin Environmental Service Technologies, LLC (Basin), responded to a pipeline release for Plains Marketing, L.P. (Plains), located on the Young Deep to Lynch 8" Sweet Pipeline on 20 May 2005. The Young Deep to Lynch 8" Sweet Pipeline was clamped and the impacted soils were excavated and stockpiled on a poly liner.

This site is located in Unit E (SW/NW), Section 18, Township 20 South, Range 34 East, in Lea County, New Mexico (topographic Site Location Map is attached as Figure 1). The latitude is 32°, 34', 34.4" North and the longitude is 103°, 36', 27.1" West. The site is characterized by a right-of-way for the pipeline in an undulating sand dune pasture utilized for cattle grazing. The visible surface stained area includes the release point covering an area approximately 80 feet long by 30 feet wide. An estimated 165 barrels of crude oil were released from the Plains Pipeline and 105 barrels were recovered.

An Emergency One-Call was initiated 20 May 2005 and all responding companies either cleared or marked their respective lines. Subsequent renewals of the one-call have been accomplished as required.

Mr. Kenny Smith, the landowner, was verbally notified 20 May 2005. Mr. Larry Johnson, New Mexico Oil Conservation Division (NMOCD), Hobbs, New Mexico District 1 was verbally notified of the release on 20 May 2005.

SUMMARY OF FIELD ACTIVITIES

On 20 May 2005, Basin mobilized to the Young Deep to Lynch 8" Sweet Pipeline release to repair and contain the crude oil pipeline release under the direction of Plains operations personnel. After the release had been contained utilizing a pipeline repair clamp, excavation of the impacted soil was accomplished (see Figure 2, Site Plan). The release point and visually stained area was excavated to approximately 145 feet long by 70 feet wide and 12 to 19 feet below ground surface (bgs). Approximately 4500 cubic yards of impacted soil and clean overburden was excavated and stockpiled on-site as a result of the excavation activities. The clean overburden was segregated from the impacted soil. All excavated crude oil impacted soil was placed on a poly liner for future remedial action.

On 14 July 2005, confirmation soil samples were collected from the floor and sidewalls of the excavated areas (see Figure 3, Soil Sample Location Map). Soil samples were collected and screened with a Photoionization Detector (PID), calibrated 14 July 2005. The soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), and total petroleum hydrocarbons – gasoline range organics/diesel range organics (TPH-GRO/DRO) (see Table 1, Soil Chemistry). Laboratory results of the soil samples collected from the walls and floor of the excavation indicate that the sidewalls and floor of the excavation are below NMOCD regulatory standards.

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 24 in the same Township and Range contains groundwater information revealing an average depth to groundwater of 270 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 USATURATED ZONE

The release point and visually stained area have been excavated to approximately 145 feet long by 70 feet wide and to a depth of approximately 12 feet bgs at the north and south end of the excavation and 19 feet bgs at the release point. PID readings were utilized in the field to assess the concentrations of Volatile Organic Compounds (VOC) in the sidewalls and floor to aid in the delineating the extent of impacted crude oil soils.

Confirmation soil samples were collected 14 July 2005, as depicted on the Soil Sample Location Map (Figure 3), from the sidewalls and floor of the excavated areas at a depth of approximately 12 and 19 feet bgs on the floor of the excavation and approximately 6 and 8 feet bgs on the sidewalls and benched areas. The soil samples were screened with a PID and the soil samples were analyzed for concentrations of BTEX and TPH. Analytical results indicated the presence of detectable BTEX and TPH constituent concentrations in the soil samples; however, the concentrations were below NMOCD regulatory standards on all soil samples.

RECOMMENDATIONS FOR REMEDIATION/CLOSURE

Approximately 4500 cubic yards of clean overburden and impacted soil has been excavated and stockpiled on site resulting from the emergency response and soil remediation efforts. Confirmation soil sample analytical results from the soil samples collected from the walls and floor of the excavation indicated the excavation floor and sidewalls are below NMOCD regulatory standards for BTEX and TPH constituent concentrations.

Basin, on behalf of Plains, proposes to blend the impacted soils with the clean overburden on-site, collect soil samples of the blended soil at approximately 350 cubic yard intervals to ensure NMOCD regulatory standards are meet and backfill the excavation with the blended soil. The confirmation soil samples collected from the blended soil will be field screened with a PID and analyzed for BTEX and TPH constituent concentrations. Once backfilling has occurred, the affected area will be contoured to the original rangeland surrounding the site and reseeded with approved grass seed. A request for closure will be submitted to the NMOCD Hobbs, New Mexico District 1 Office, upon completion of backfilling activities. Based on the results of the remediation activities conducted, Basin and Plains requests approval from the NMOCD to implement these proposed final remediation and site closure activities.

QA/QC PROCEDURES

Soil Sampling

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

The soil samples were analyzed as follows:

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

Decontamination Of Equipment

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

Laboratory Protocol

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

LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this 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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Lovington, New Mexico 88260
kdutton@basinenv.com

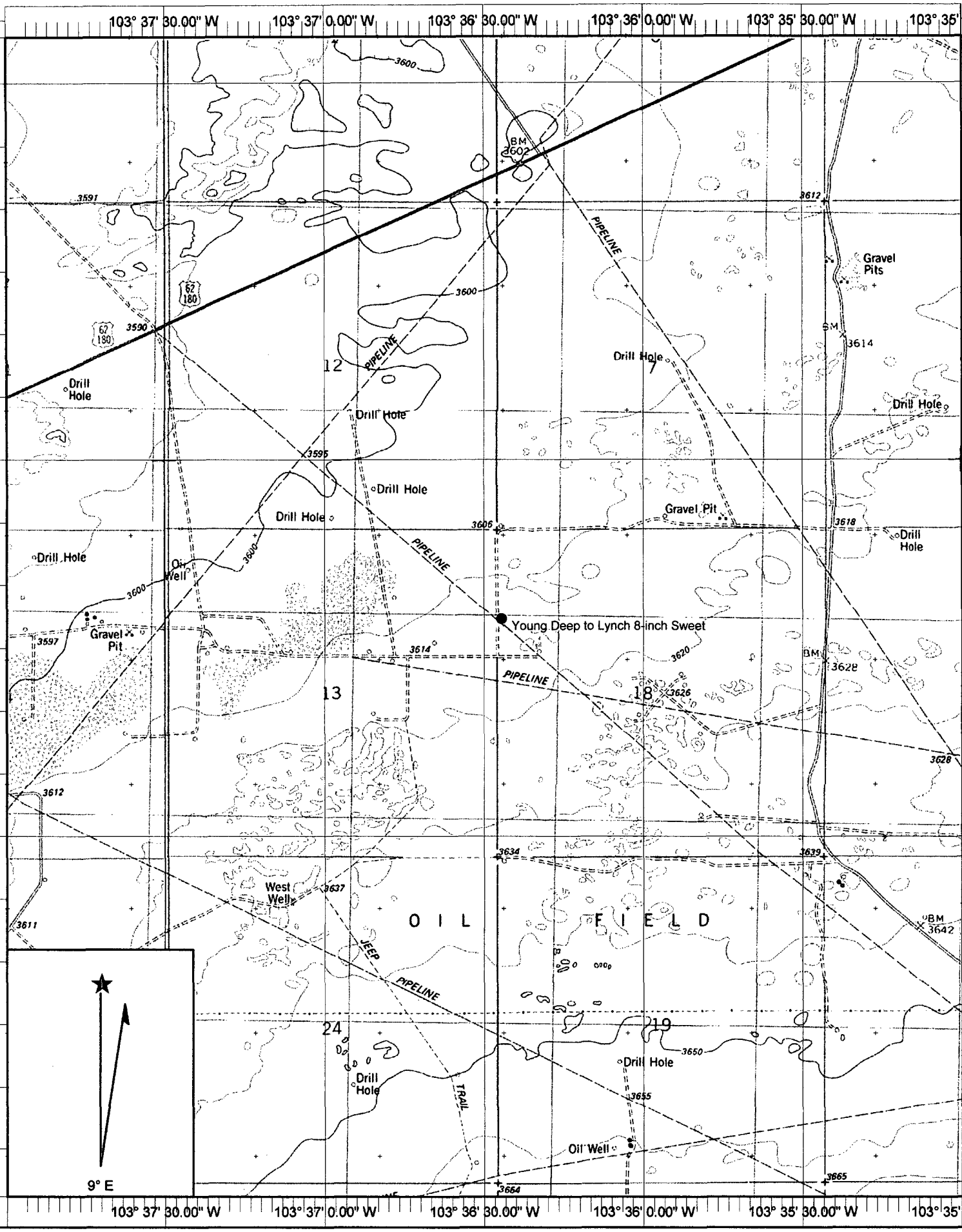
Copy 3

TABLE 1

SOIL CHEMISTRY

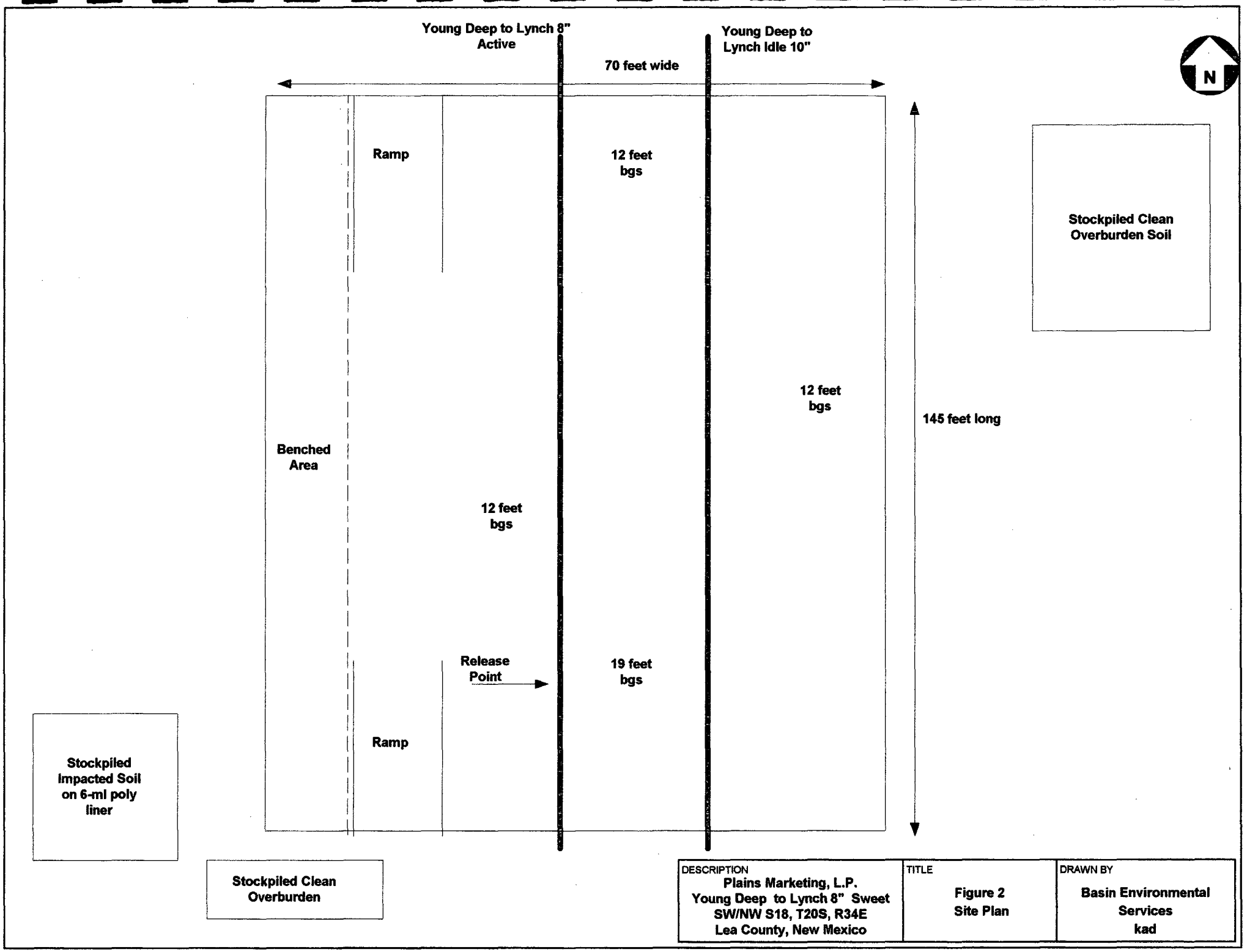
PLAINS MARKETING, L.P.
YOUNG DEEP TO LYNCH 8" SWEET
LEA COUNTY, NEW MEXICO
EMS: 2005-00120

SAMPLE LOCATION	SAMPLE DEPTH	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M		TOTAL	CHLORIDES
			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)	(mg/kg)
North S/W	8' bgs	07/14/05	<0.025	<0.025	<0.025	0.037	<0.025	<10	36	36	
South S/W	8' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	31.3	31.3	
R/P FLR	19' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	49.6	49.6	24.7
East S/W (S)	8' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	236	236	
East S/W (N)	8' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	95.4	95.4	
EXCV FLR (N)	12' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	32.4	1470	1500	
West S/W (S)	8' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	410	410	
West S/W (N)	8' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	35.1	35.1	
BNCH FLR (S)	6' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	96	1370	1470	
BNCH FLR (N)	6' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	54.4	54.4	
Stockpile		07/14/05	0.069	1.16	2.25	3.00	1.63	1030	9570	10600	
NMOCD CRITERIA			**10**	**TOTAL BTEX 50**						**5000**	

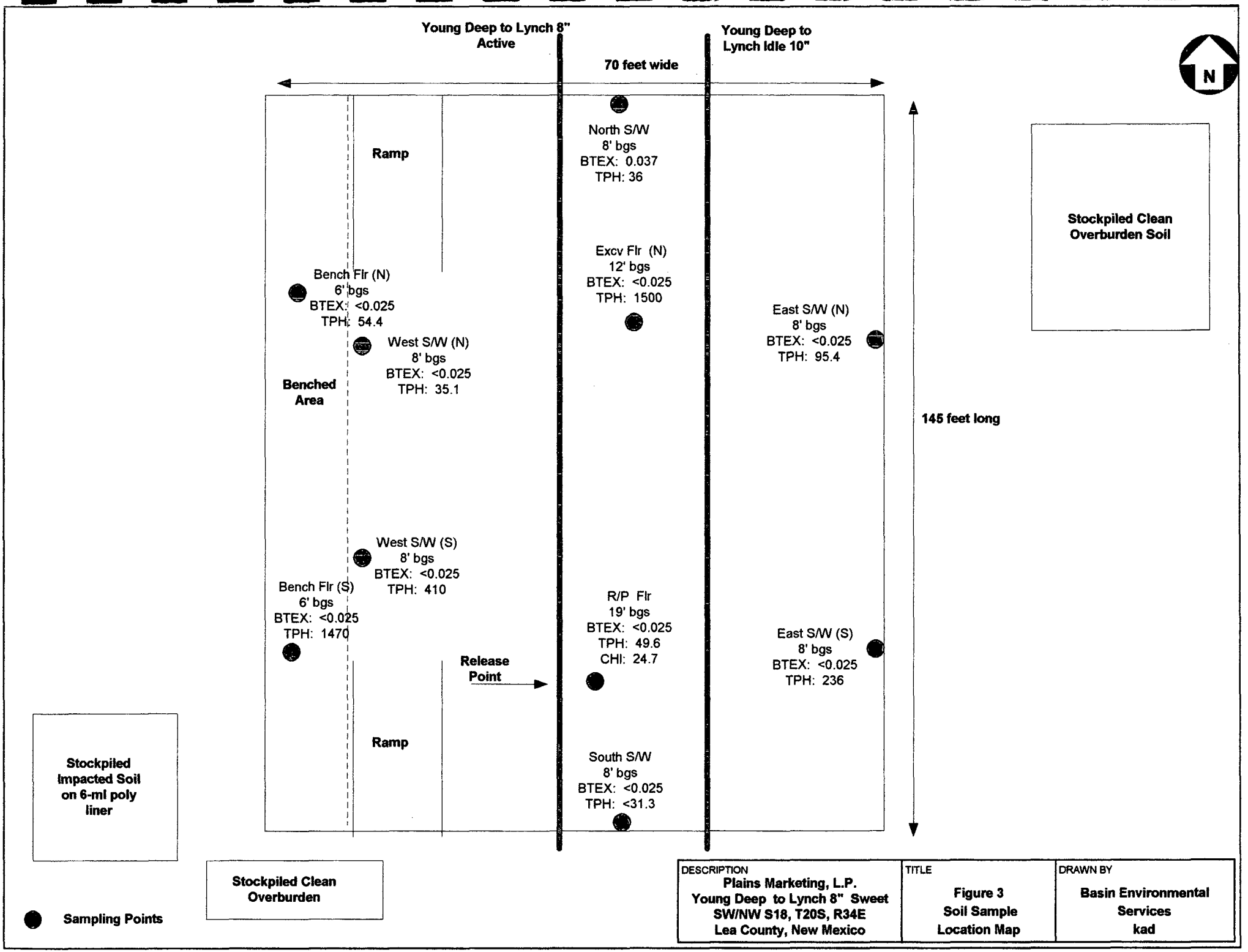


Name: LEA
Date: 12/8/2005
Scale: 1 inch equals 2000 feet

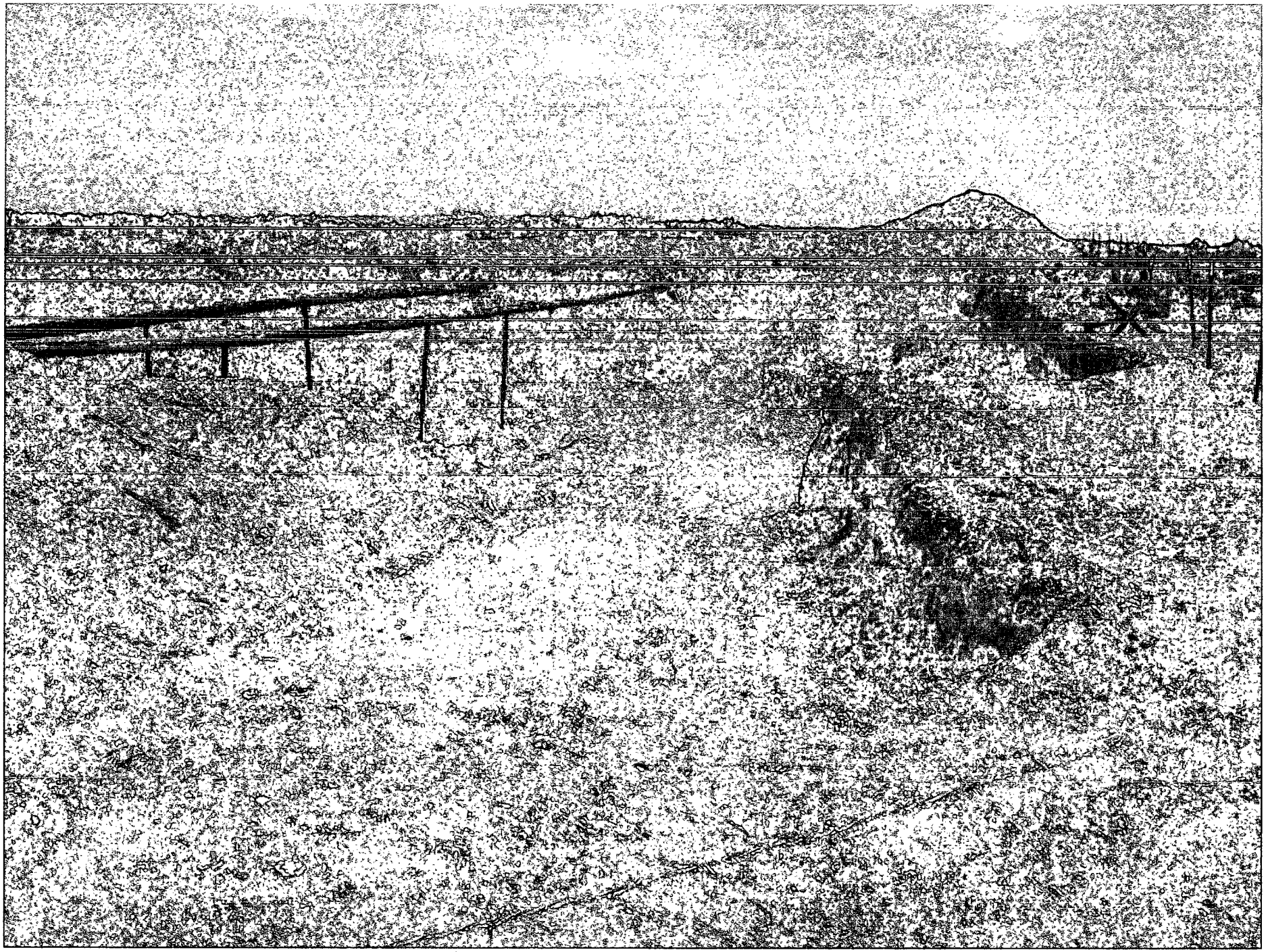
Location: 032° 34' 34.81" N 103° 36' 29.85" W
Caption: Figure 1, Site Location Map
Plains Marketing, L. P.

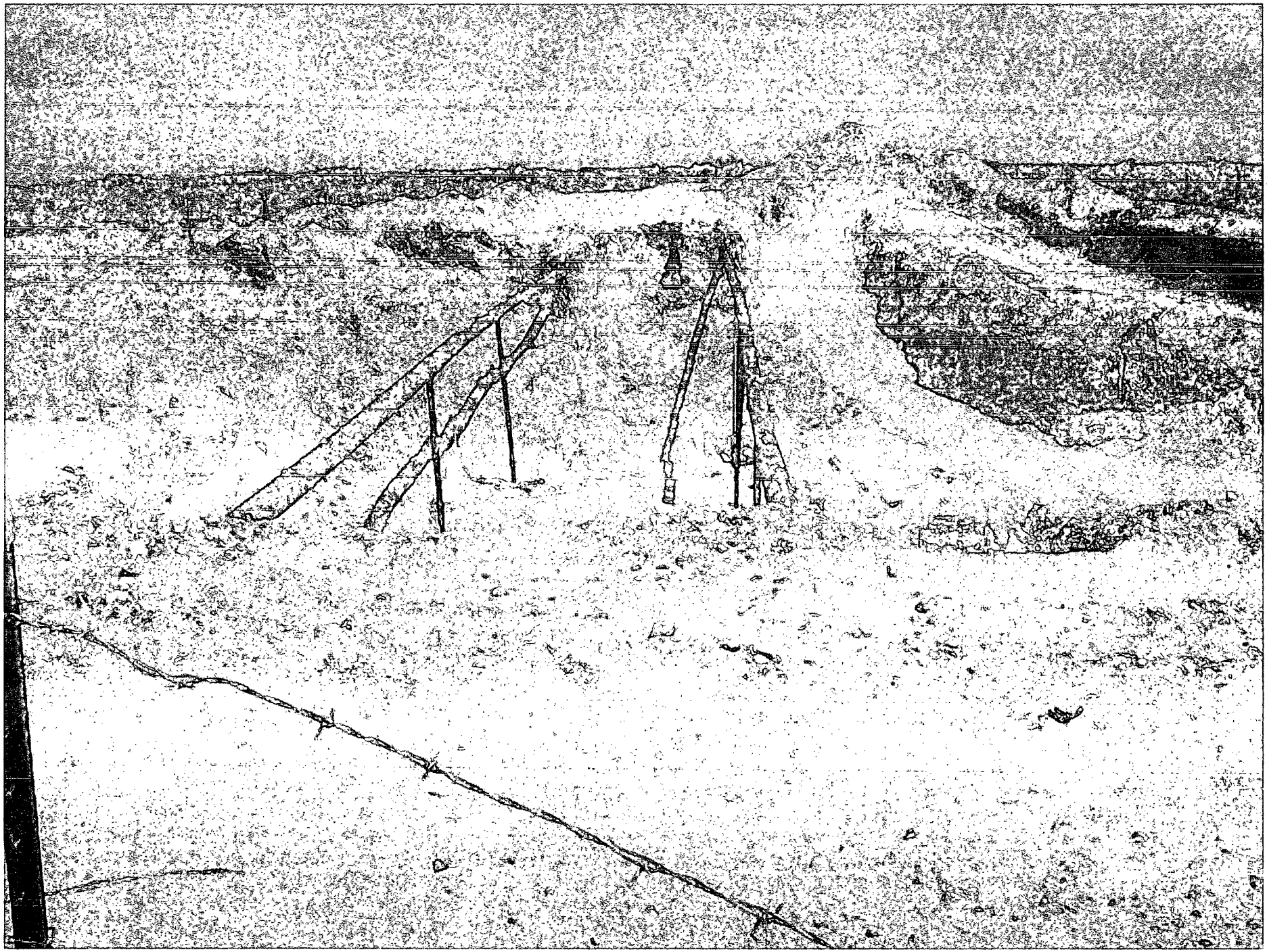


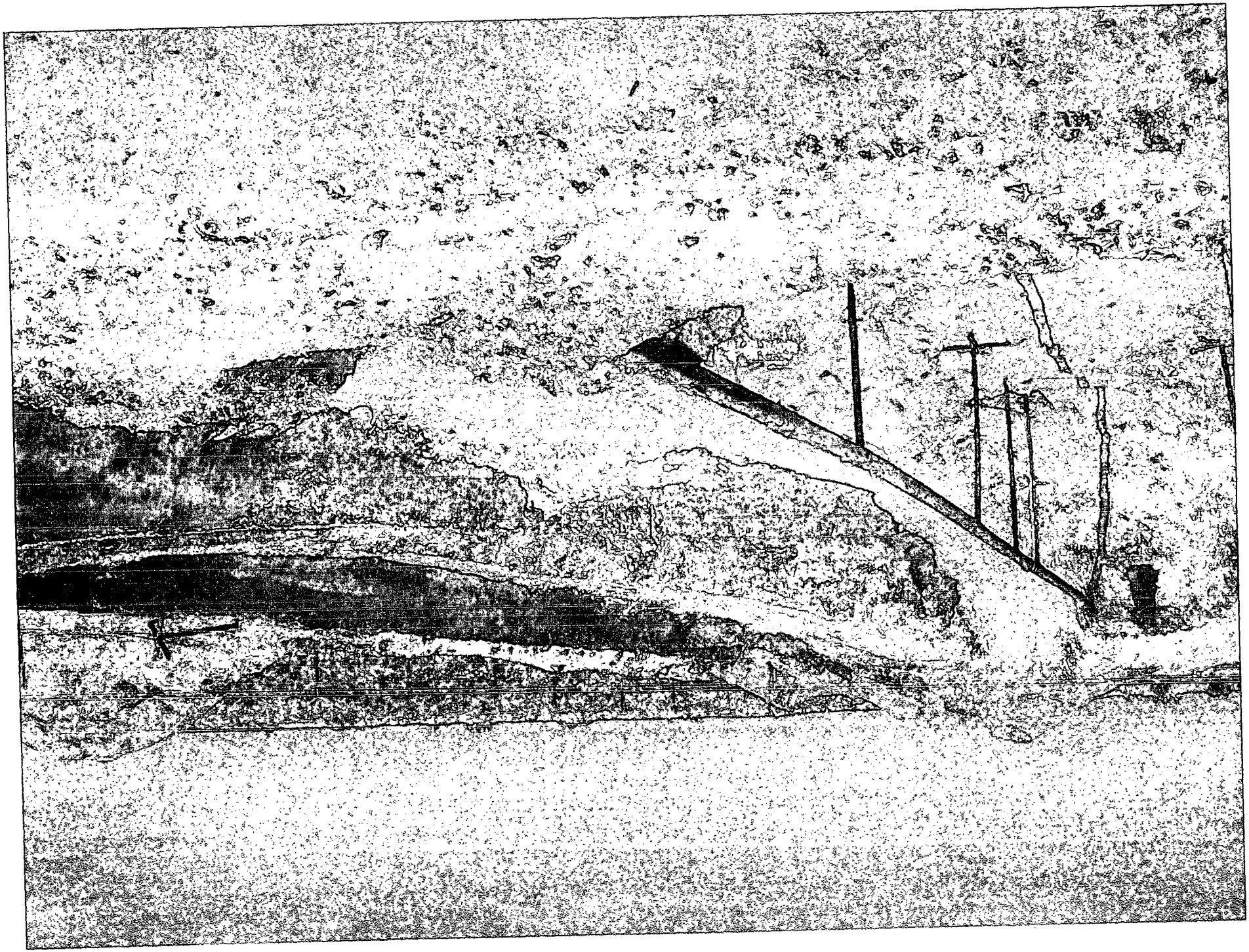
DESCRIPTION	TITLE	DRAWN BY
Plains Marketing, L.P. Young Deep to Lynch 8" Sweet SW/NW S18, T20S, R34E Lea County, New Mexico	Figure 2 Site Plan	Basin Environmental Services kad

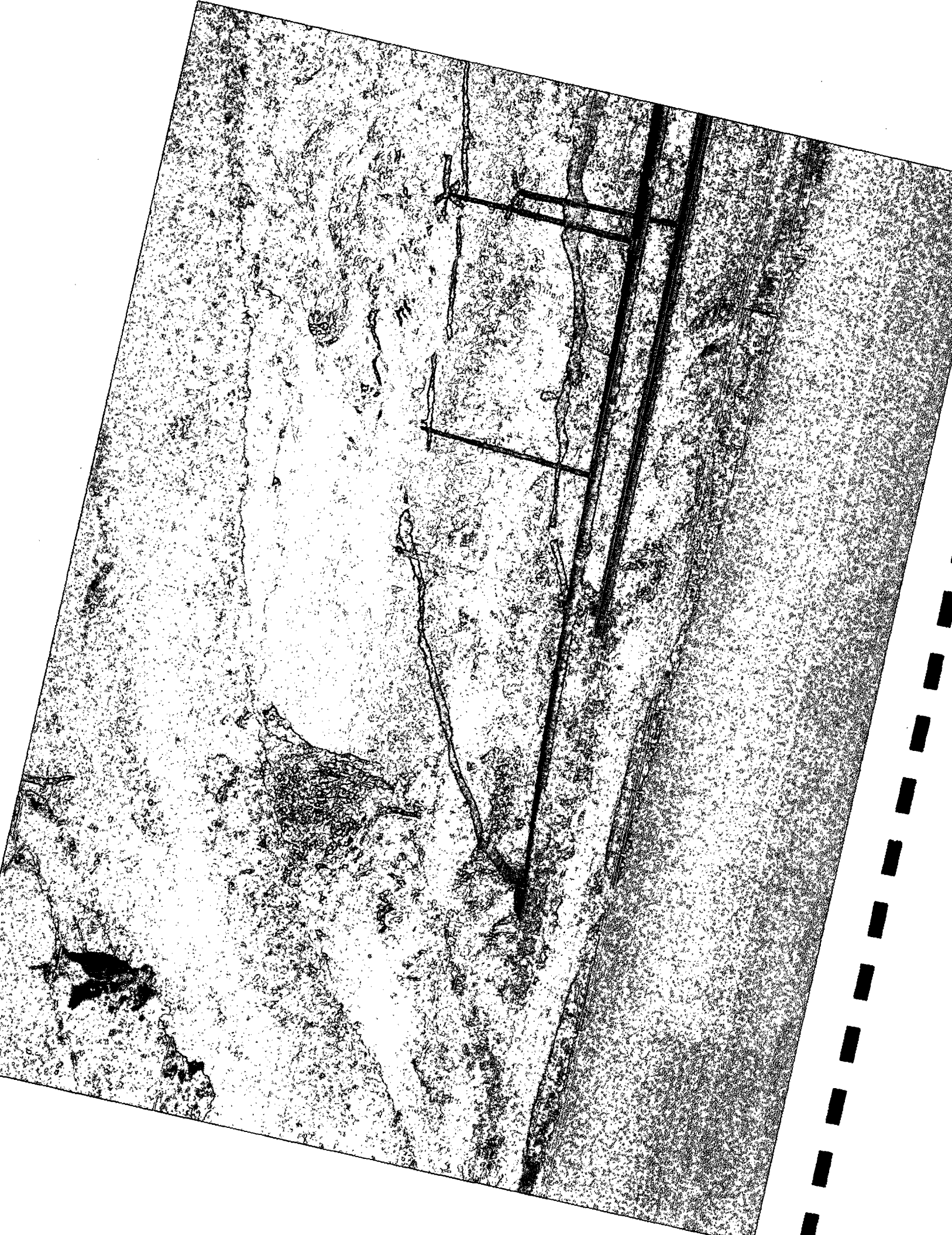


DESCRIPTION	TITLE	DRAWN BY
Plains Marketing, L.P. Young Deep to Lynch 8" Sweet SW/NW S18, T20S, R34E Lea County, New Mexico	Figure 3 Soil Sample Location Map	Basin Environmental Services kad









New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 20S Range: 34E Sections: 19,20,21,22,23,24

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 12/02/2005

(Depth Water in Feet)

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
CP	20S	34E	24				1	270	270	270

Record Count: 1

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
CP 00665	20S	34E	24	4	1				

Driller Licence: 421 GLENN'S WATER WELL SERVICE
Driller Name:
Source: Shal
Drill Start Date: 05/25/1984
Drill Finish Date: 05/2
Log File Date: 06/11/1984
PCW Received Date:
Pump Type:
Pipe Discharge Size:
Casing Size:
Estimated Yield:
Depth Well: 698
Depth Water: 270

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: Young Deep to Lynch 8" Sweet

Project Number: EMS: 2005-00120

Location: Lea County, NM

Lab Order Number: 5G15008

Report Date: 07/19/05

Plains All American EH & S	Project: Young Deep to Lynch 8" Sweet	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00120	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	07/19/05 16:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
North S/W	5G15008-01	Soil	07/14/05 11:00	07/15/05 12:00
South S/W	5G15008-02	Soil	07/14/05 11:15	07/15/05 12:00
R/P FLR	5G15008-03	Soil	07/14/05 11:30	07/15/05 12:00
East S/W (S)	5G15008-04	Soil	07/14/05 11:45	07/15/05 12:00
East S/W (N)	5G15008-05	Soil	07/14/05 12:00	07/15/05 12:00
EXCV FLR (N)	5G15008-06	Soil	07/14/05 12:15	07/15/05 12:00
West S/W (S)	5G15008-07	Soil	07/14/05 12:30	07/15/05 12:00
West S/W (N)	5G15008-08	Soil	07/14/05 12:45	07/15/05 12:00
BNCH FLR (S)	5G15008-09	Soil	07/14/05 13:00	07/15/05 12:00
BNCH FLR (N)	5G15008-10	Soil	07/14/05 13:15	07/15/05 12:00
Stockpile	5G15008-11	Soil	07/14/05 13:30	07/15/05 12:00

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
North S/W (5G15008-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51512	07/15/05	07/15/05	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		*98.9 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG51513	07/15/05	07/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**36.0**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**36.0**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*49.0 %*	*70-130*		"	"	"	"	*S-04*
Surrogate: 1-Chlorooctadecane		*51.0 %*	*70-130*		"	"	"	"	*S-04*
South S/W (5G15008-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51512	07/15/05	07/15/05	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		*98.7 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG51513	07/15/05	07/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**31.3**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**31.3**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*78.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*87.6 %*	*70-130*		"	"	"	"	
R/P FLR (5G15008-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51512	07/15/05	07/15/05	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		*87.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG51513	07/15/05	07/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**49.6**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**49.6**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
R/P FLR (5G15008-03) Soil									
Surrogate: 1-Chlorooctane		*81.0 %*	*70-130*		*EG51513*	*07/15/05*	*07/18/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*99.4 %*	*70-130*		"	"	"	"	
East S/W (S) (5G15008-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51512	07/15/05	07/15/05	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		*91.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG51515	07/15/05	07/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**236**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**236**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*89.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	
East S/W (N) (5G15008-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51512	07/15/05	07/15/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*119 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG51515	07/15/05	07/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**95.4**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**95.4**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*72.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*94.8 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EXCV FLR (N) (5G15008-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51512	07/15/05	07/15/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*113 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**32.4**	10.0	mg/kg dry	1	EG51515	07/15/05	07/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**1470**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1500**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*103 %*	*70-130*		"	"	"	"	
West S/W (S) (5G15008-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51512	07/15/05	07/15/05	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		*91.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG51515	07/15/05	07/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**410**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**410**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*128 %*	*70-130*		"	"	"	"	
West S/W (N) (5G15008-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51512	07/15/05	07/15/05	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		*89.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG51515	07/15/05	07/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**35.1**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**35.1**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
West S/W (N) (5G15008-08) Soil									
Surrogate: 1-Chlorooctane		*83.8 %*	*70-130*		*EG51515*	*07/15/05*	*07/18/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*89.8 %*	*70-130*		"	"	"	"	
BNCH FLR (S) (5G15008-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51512	07/15/05	07/15/05	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		*83.9 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**96.0**	10.0	mg/kg dry	1	EG51515	07/15/05	07/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**1370**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1470**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*81.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*92.6 %*	*70-130*		"	"	"	"	
BNCH FLR (N) (5G15008-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51512	07/15/05	07/15/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**J [0.0240]**	0.0250	"	"	"	"	"	"	J
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.9 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG51515	07/15/05	07/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**54.4**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**54.4**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*76.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*75.2 %*	*70-130*		"	"	"	"	

Plains All American EH & S	Project: Young Deep to Lynch 8" Sweet	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00120	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	07/19/05 16:19

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Stockpile (5G15008-11) Soil									
Benzene	**0.0690**	0.0250	mg/kg dry	25	EG51512	07/15/05	07/15/05	EPA 8021B	
Toluene	**1.16**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**2.25**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**3.00**	0.0250	"	"	"	"	"	"	
Xylene (o)	**1.63**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**1030**	50.0	mg/kg dry	5	EG51515	07/15/05	07/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**9570**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**10600**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*17.1 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*17.6 %*	*70-130*		"	"	"	"	*S-06*

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Plains All American EH & S	Project: Young Deep to Lynch 8" Sweet	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00120	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	07/19/05 16:19

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
North S/W (5G15008-01) Soil									
% Moisture	**2.4**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
South S/W (5G15008-02) Soil									
% Moisture	**0.1**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
R/P FLR (5G15008-03) Soil									
Chloride	**24.7**	5.00	mg/kg	10	EG51904	07/18/05	07/18/05	EPA 300.0	
% Moisture	**2.8**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
East S/W (S) (5G15008-04) Soil									
% Moisture	**0.9**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
East S/W (N) (5G15008-05) Soil									
% Moisture	**0.8**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
EXCV FLR (N) (5G15008-06) Soil									
% Moisture	**1.8**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
West S/W (S) (5G15008-07) Soil									
% Moisture	**0.5**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
West S/W (N) (5G15008-08) Soil									
% Moisture	**1.3**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
BNCH FLR (S) (5G15008-09) Soil									
% Moisture	**3.8**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
BNCH FLR (N) (5G15008-10) Soil									
% Moisture	**3.9**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	

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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
Stockpile (5G15008-11) Soil									
% Moisture	**1.2**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG51512 - EPA 5030C (GC)										
Blank (EG51512-BLK1)				Prepared & Analyzed: 07/15/05						
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	*89.9*		*ug/kg*	*100*		*89.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*90.0*		*"*	*100*		*90.0*	*80-120*			
LCS (EG51512-BS1)				Prepared & Analyzed: 07/15/05						
Benzene	91.3		ug/kg	100		91.3	80-120			
Toluene	97.6		"	100		97.6	80-120			
Ethylbenzene	114		"	100		114	80-120			
Xylene (p/m)	212		"	200		106	80-120			
Xylene (o)	115		"	100		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	*102*		*"*	*100*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*112*		*"*	*100*		*112*	*80-120*			
Calibration Check (EG51512-CCV1)				Prepared: 07/15/05 Analyzed: 07/19/05						
Benzene	81.3		ug/kg	100		81.3	80-120			
Toluene	86.8		"	100		86.8	80-120			
Ethylbenzene	96.3		"	100		96.3	80-120			
Xylene (p/m)	190		"	200		95.0	80-120			
Xylene (o)	99.8		"	100		99.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*81.3*		*"*	*100*		*81.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*98.2*		*"*	*100*		*98.2*	*80-120*			
Matrix Spike (EG51512-MS1)	**Source: 5G15009-04**			Prepared & Analyzed: 07/15/05						
Benzene	83.0		ug/kg	100	ND	83.0	80-120			
Toluene	90.0		"	100	ND	90.0	80-120			
Ethylbenzene	98.5		"	100	ND	98.5	80-120			
Xylene (p/m)	194		"	200	ND	97.0	80-120			
Xylene (o)	99.9		"	100	ND	99.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	*80.1*		*"*	*100*		*80.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*104*		*"*	*100*		*104*	*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 EG51512 - EPA 5030C (GC)										
Matrix Spike Dup (EG51512-MSD1)	**Source: 5G15009-04**			Prepared & Analyzed: 07/15/05						
Benzene	83.7		ug/kg	100	ND	83.7	80-120	0.840	20	
Toluene	91.4		"	100	ND	91.4	80-120	1.54	20	
Ethylbenzene	104		"	100	ND	104	80-120	5.43	20	
Xylene (p/m)	205		"	200	ND	102	80-120	5.03	20	
Xylene (o)	107		"	100	ND	107	80-120	6.86	20	
Surrogate: a,a,a-Trifluorotoluene	*82.1*		"	*100*		*82.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*112*		"	*100*		*112*	*80-120*			
Batch EG51513 - Solvent Extraction (GC)										
Blank (EG51513-BLK1)				Prepared: 07/15/05 Analyzed: 07/17/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*35.6*		*mg/kg*	*50.0*		*71.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.4*		"	*50.0*		*70.8*	*70-130*			
LCS (EG51513-BS1)				Prepared: 07/15/05 Analyzed: 07/17/05						
Gasoline Range Organics C6-C12	415	10.0	mg/kg wet	500		83.0	75-125			
Diesel Range Organics >C12-C35	384	10.0	"	500		76.8	75-125			
Total Hydrocarbon C6-C35	799	10.0	"	1000		79.9	75-125			
Surrogate: 1-Chlorooctane	*43.4*		*mg/kg*	*50.0*		*86.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.2*		"	*50.0*		*74.4*	*70-130*			
Calibration Check (EG51513-CCV1)				Prepared: 07/15/05 Analyzed: 07/18/05						
Gasoline Range Organics C6-C12	596		mg/kg	500		119	80-120			
Diesel Range Organics >C12-C35	486		"	500		97.2	80-120			
Total Hydrocarbon C6-C35	1080		"	1000		108	80-120			
Surrogate: 1-Chlorooctane	*229*		"	*250*		*91.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*231*		"	*250*		*92.4*	*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 EG51513 - Solvent Extraction (GC)										
Matrix Spike (EG51513-MS1)	**Source: 5G15004-03**			Prepared: 07/15/05 Analyzed: 07/17/05						
Gasoline Range Organics C6-C12	468	10.0	mg/kg dry	529	ND	88.5	75-125			
Diesel Range Organics >C12-C35	468	10.0	"	529	ND	88.5	75-125			
Total Hydrocarbon C6-C35	936	10.0	"	1060	ND	88.3	75-125			
Surrogate: 1-Chlorooctane	*50.6*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.8*		*"*	*50.0*		*83.6*	*70-130*			
Matrix Spike Dup (EG51513-MSD1)	**Source: 5G15004-03**			Prepared: 07/15/05 Analyzed: 07/17/05						
Gasoline Range Organics C6-C12	460	10.0	mg/kg dry	529	ND	87.0	75-125	1.72	20	
Diesel Range Organics >C12-C35	454	10.0	"	529	ND	85.8	75-125	3.04	20	
Total Hydrocarbon C6-C35	914	10.0	"	1060	ND	86.2	75-125	2.38	20	
Surrogate: 1-Chlorooctane	*50.4*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.0*		*"*	*50.0*		*82.0*	*70-130*			
Batch EG51515 - Solvent Extraction (GC)										
Blank (EG51515-BLK1)				Prepared: 07/15/05 Analyzed: 07/18/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*44.9*		*mg/kg*	*50.0*		*89.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.2*		*"*	*50.0*		*88.4*	*70-130*			
LCS (EG51515-BS1)				Prepared: 07/15/05 Analyzed: 07/18/05						
Gasoline Range Organics C6-C12	394	10.0	mg/kg wet	500		78.8	75-125			
Diesel Range Organics >C12-C35	395	10.0	"	500		79.0	75-125			
Total Hydrocarbon C6-C35	789	10.0	"	1000		78.9	75-125			
Surrogate: 1-Chlorooctane	*50.9*		*mg/kg*	*50.0*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.7*		*"*	*50.0*		*93.4*	*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 EG51515 - Solvent Extraction (GC)										
Calibration Check (EG51515-CCV1)				Prepared: 07/15/05 Analyzed: 07/18/05						
Gasoline Range Organics C6-C12	498		mg/kg	500		99.6	80-120			
Diesel Range Organics >C12-C35	498		"	500		99.6	80-120			
Total Hydrocarbon C6-C35	996		"	1000		99.6	80-120			
Surrogate: 1-Chlorooctane	*229*		"	*250*		*91.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*235*		"	*250*		*94.0*	*70-130*			
Matrix Spike (EG51515-MS1)	**Source: 5G15008-08**			Prepared: 07/15/05 Analyzed: 07/18/05						
Gasoline Range Organics C6-C12	443	10.0	mg/kg dry	507	ND	87.4	75-125			
Diesel Range Organics >C12-C35	455	10.0	"	507	35.1	82.8	75-125			
Total Hydrocarbon C6-C35	898	10.0	"	1010	35.1	85.4	75-125			
Surrogate: 1-Chlorooctane	*57.1*		*mg/kg*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.2*		"	*50.0*		*104*	*70-130*			
Matrix Spike Dup (EG51515-MSD1)	**Source: 5G15008-08**			Prepared: 07/15/05 Analyzed: 07/18/05						
Gasoline Range Organics C6-C12	476	10.0	mg/kg dry	507	ND	93.9	75-125	7.18	20	
Diesel Range Organics >C12-C35	471	10.0	"	507	35.1	86.0	75-125	3.46	20	
Total Hydrocarbon C6-C35	947	10.0	"	1010	35.1	90.3	75-125	5.31	20	
Surrogate: 1-Chlorooctane	*57.1*		*mg/kg*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.0*		"	*50.0*		*104*	*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 EG51807 - General Preparation (Prep)										
Blank (EG51807-BLK1)				Prepared: 07/15/05 Analyzed: 07/18/05						
% Moisture	ND	0.1	%							
Duplicate (EG51807-DUP1)	**Source: 5G15002-01**			Prepared: 07/15/05 Analyzed: 07/18/05						
% Moisture	18.9	0.1	%		17.2			9.42	20	
Batch EG51904 - Water Extraction										
Blank (EG51904-BLK1)				Prepared & Analyzed: 07/19/05						
Chloride	ND	0.500	mg/kg							
Blank (EG51904-BLK2)				Prepared & Analyzed: 07/19/05						
Chloride	ND	0.500	mg/kg							
LCS (EG51904-BS1)				Prepared & Analyzed: 07/18/05						
Chloride	11.1		mg/L	10.0		111	80-120			
LCS (EG51904-BS2)				Prepared & Analyzed: 07/19/05						
Chloride	10.5		mg/L	10.0		105	80-120			
Calibration Check (EG51904-CCV1)				Prepared & Analyzed: 07/18/05						
Chloride	10.9		mg/L	10.0		109	80-120			
Calibration Check (EG51904-CCV2)				Prepared & Analyzed: 07/18/05						
Chloride	10.9		mg/L	10.0		109	80-120			
Duplicate (EG51904-DUP1)	**Source: 5G14002-01**			Prepared & Analyzed: 07/18/05						
Chloride	139	5.00	mg/kg		138			0.722	20	

Plains All American EH & S	Project: Young Deep to Lynch 8" Sweet	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00120	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	07/19/05 16:19

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 EG51904 - Water Extraction										
Duplicate (EG51904-DUP2)		**Source: 5G15012-08**		Prepared & Analyzed: 07/18/05						
Chloride	81.3	5.00	mg/kg		97.5			18.1	20	

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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: 7/19/2005

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1 of 2

Environmental Lab of Texas I, Ltd.

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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Telephone No: (505) 441-2124 Fax No: (505) 369-1429
Sampler Signature: Ken Dutton

Project Name: YOUNG DEEP TO LYNCH 8" SWFS
Project #: EMS: 2005-00120
Project Loc: LEA COUNTY, NM
PO #: PAA / C. REYNOLDS

LAB # (lab use only) 5915088	FIELD CODE	Date Sampled 2005	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-Schedule)	Standard TAT
-01	NORTH S/W	14 JUL	1100	1	X									X		X							X								X
-02	SOUTH S/W		1115																												
-03	R/P FLR		1130																								X				
-04	EAST S/W (S)		1145																												
-05	EAST S/W (N)		1200																												
-06	EXEV FLR (N)		1215																												
-07	WEST S/W (S)		1230																												
-08	WEST S/W (N)		1245																												
-09	BNCH FLR (S)		1300																												
-10	BNCH FLR (N)		1315																												

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments: Ice -2.3°C

Relinquished by	Date	Time	Received by	Date	Time
Ken Dutton	7/14/05	0850		July 15, 05	8:50
Relinquished by	Date	Time	Received by ELOT	Date	Time
	7-15-05	12:00	Rolando Jr	7-15-05	1200

Environmental Lab of Texas I, Ltd.

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Name: YOUNG DEEP TO LYNCH 8" SWEET
Project #: EMS: 2005-0012Ø
Project Loc: LEA COUNTY, NM
PO #: PAA / C. REYNOLDS

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:	TOTAL: TPH: 418.1 / 8015M / 1005 / 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma			RUSH TAT (Pre-Schedule)	Standard TAT
64/5008		2005																													
-11	STOCKPILE	14 Jul	1330	1	X									X			X							X							X

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments: Rec-2-5°C

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	15 Jul 05	0850		July 15 05	8:50
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	7-15-05	12:00	Roland Key	7-15-05	1200

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

Client: Basin Env. / Plains A.A.

Date/Time: 7/15/05 12:00

Order #: 5G15008

Initials: CK

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:

_____

_____

_____

_____

_____

_____

_____

_____

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	Contact Camille Reynolds
Address 5805 East Hwy. 80, Midland, TX 79706	Telephone No. 505-441-0965
Facility Name 8" Young Deep to Lynch Sweet	Facility Type 8"Steel Pipeline

Surface Owner Kenny Smith	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
E	18	20S	34E					Lea

Latitude 32° 34' 34.4" **Longitude** 103° 36' 27.1"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 165 barrels	Volume Recovered 105 barrels
Source of Release 8" Steel Pipeline	Date and Hour of Occurrence 5-20-05 @ 07:30	Date and Hour of Discovery 5-20-05 @ 08:00
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Camille Reynolds	Date and Hour 5-20-05 @ 14:00	
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 of the 8" steel pipeline. A line clamp was installed to mitigate the release. The line is a 8 inch steel transmission pipeline that produces approximately 1,800 barrels of crude oil per day. The pressure on the line is 100 psi and the gravity of the sweet crude oil is 42.5. The sweet crude has an H_2S content of <10 ppm

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was 2,415 ft^2.

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: 5-23-05 Phone:505-441-0965

OIL CONSERVATION DIVISION

Approved by District Supervisor:

Approval Date: Expiration Date:

Conditions of Approval: Attached ☐

* Attach Additional Sheets If Necessary