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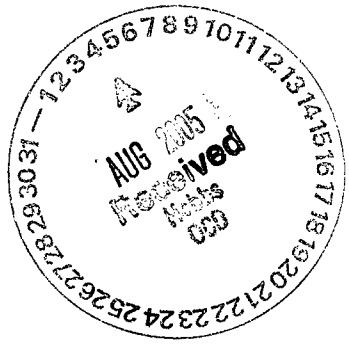
PRELIMINARY SITE INVESTIGATION REPORT
and
REMEDIATION/CLOSURE PLAN

PLAINS MARKETING, L.P.
Young Deep to Lynch Idle 10" BLM
Lea County, New Mexico
Plains EMS # 2005-00162
UNIT K (NE/SW), Section 18, Township 20S, Range 34E
Latitude, Longitude 32°, 34', 15.8" North, 103°, 36', 02.7" West

Prepared For:

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



Prepared By:
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25 July 2005

Ken Dutton
Basin Environmental Service Technologies, LLC

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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 Idle 10-inch BLM Pipeline on 07 July 2005. The actual release point was not visually apparent on the Young Deep to Lynch Idle 10-inch Pipeline; however, the suspected weld failure was closely monitored and crude oil seepage ceased shortly after Basin responded to the pipeline release. The saturated impacted soils were excavated and temporarily stockpiled on a poly liner.

This site is located in Unit K (NE/SW), Section 18, Township 20 South, Range 34 East, in Lea County, New Mexico (topographic Site Location Map is attached as Figure 1) on land owned by the Bureau of Land Management (BLM). The latitude is 32°, 34', 15.8" North and the longitude is 103°, 36', 02.7" West. The site is characterized by a right-of-way for the pipeline in an undulating sanddune pasture utilized for cattle grazing. The visible surface stained area includes the release point covering an area approximately 28 feet long by 14 feet wide. Approximately 8 barrels of crude oil were released from the Plains Pipeline and 0 barrels were recovered.

An Emergency One-Call was initiated 07 July 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, and Ms Trish Badbear, BLM, Hobbs, New Mexico Office, were verbally notified of the release on 07 July 2005. A BLM Report of Undesirable Event form was completed by Plains and submitted to the BLM, Hobbs, New Mexico Office (see Appendix C, Report of Undesirable Event).

SUMMARY OF FIELD ACTIVITIES

On 07 July 2005, Basin arrived at the Young Deep to Lynch Idle 10-inch BLM Pipeline release to repair and contain the crude oil pipeline release under the direction of Plains operations personnel. The actual release point was not visually apparent on the Young Deep to Lynch Idle 10-inch Pipeline; however, the suspected weld failure was closely monitored and crude oil seepage ceased shortly after Basin responded to the pipeline release. Under the direction of Plains operations personnel, the Young Deep to Lynch Idle 10-inch Pipeline was de-oiled following the crude oil release.

The release point and flow path were excavated to approximately 60 feet long by 40 feet wide and 12 feet below ground surface (bgs) (see Figure 2, Site Map). All excavated soil was placed on a poly liner for future remedial action. On 14 July 2005, confirmation soil samples were collected and screened with a Photoionization Detector (PID), calibrated 14 July 2005 (see Figure 2, Site Map). The selected soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX),

and total petroleum hydrocarbons – gasoline range organics/diesel range organics (TPH-GRO/DRO). Laboratory results of the confirmation soil samples indicate that the excavated area is below NMOCD regulatory standards (see Table 1, Soil Chemistry Table).

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 UNSATURATED ZONE

The release point and flow path areas were excavated to a depth of approximately 12 feet bgs and no visual evidence of crude oil impact was evident on the floor or sidewalls of the excavation. PID readings indicated no detectable concentrations of Volatile Organic Compounds (VOC) remained on the floor or sidewalls of the excavation. Confirmation soil samples were collected from the excavation on 14 July 2005; field screened with a PID and were analyzed for concentrations of BTEX and TPH. Laboratory data sheets and chain-of-custody forms are attached (Appendix C).

Analytical results indicated detectable BTEX concentrations were below NMOCD regulatory standards for the South Sidewall and Ramp East soil samples at a depth of 6 and 3 feet bgs, respectively. Analytical results indicated BTEX concentrations were not detected above the laboratory detection limits on the remaining confirmation soil samples. Analytical results indicated detectable TPH concentrations were below NMOCD regulatory standards for the North Sidewall, Excavation Floor, West Sidewall, Pipeline Wall, Excavation Floor East P/L, and Excavation Floor West P/L soil samples at a depth of 6, 12, 6, 6, 8, and 8 feet bgs, respectively. Analytical results indicated TPH concentrations were not detected above the laboratory detections limits on the remaining confirmation soil samples.

ARCHEOLOGICAL SURVEY RESULTS

Boone Archeological Services, LLC, Carlsbad, New Mexico, conducted an archeological survey of the site, in accordance with BLM directives. Results of the archeological survey did not find evidence of cultural resources present, and therefore, recommended archeological clearance. A copy of the archeological survey is included in Appendix D.

RECOMMENDATIONS FOR REMEDIATION/CLOSURE

Approximately 1100 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 800 cubic yards of segregated clean overburden required bulldozing aside to allow an area for stockpiling the impacted soils and access to the release point and flow path. Based on the analytical results, which indicate the excavation is below NMOCD regulatory standards, Basin and Plains propose to blend the excavated impacted soils with the clean segregated overburden, collect confirmation soil samples from the blended material to ensure TPH concentrations of less than 5,000 mg/kg and backfill the excavation with the blended soils. The backfilled excavation will be contoured to the original rangeland grade surrounding the site and reseeded with BLM approved grass seed. A request for closure will be submitted to the Hobbs District 1 office, upon completion of backfilling activities. Based on the results of the remediation activities conducted, Plains requests approval from the OCD and BLM 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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TABLES

TABLE 1

SOIL CHEMISTRY TABLE

TABLE 1

SOIL CHEMISTRY

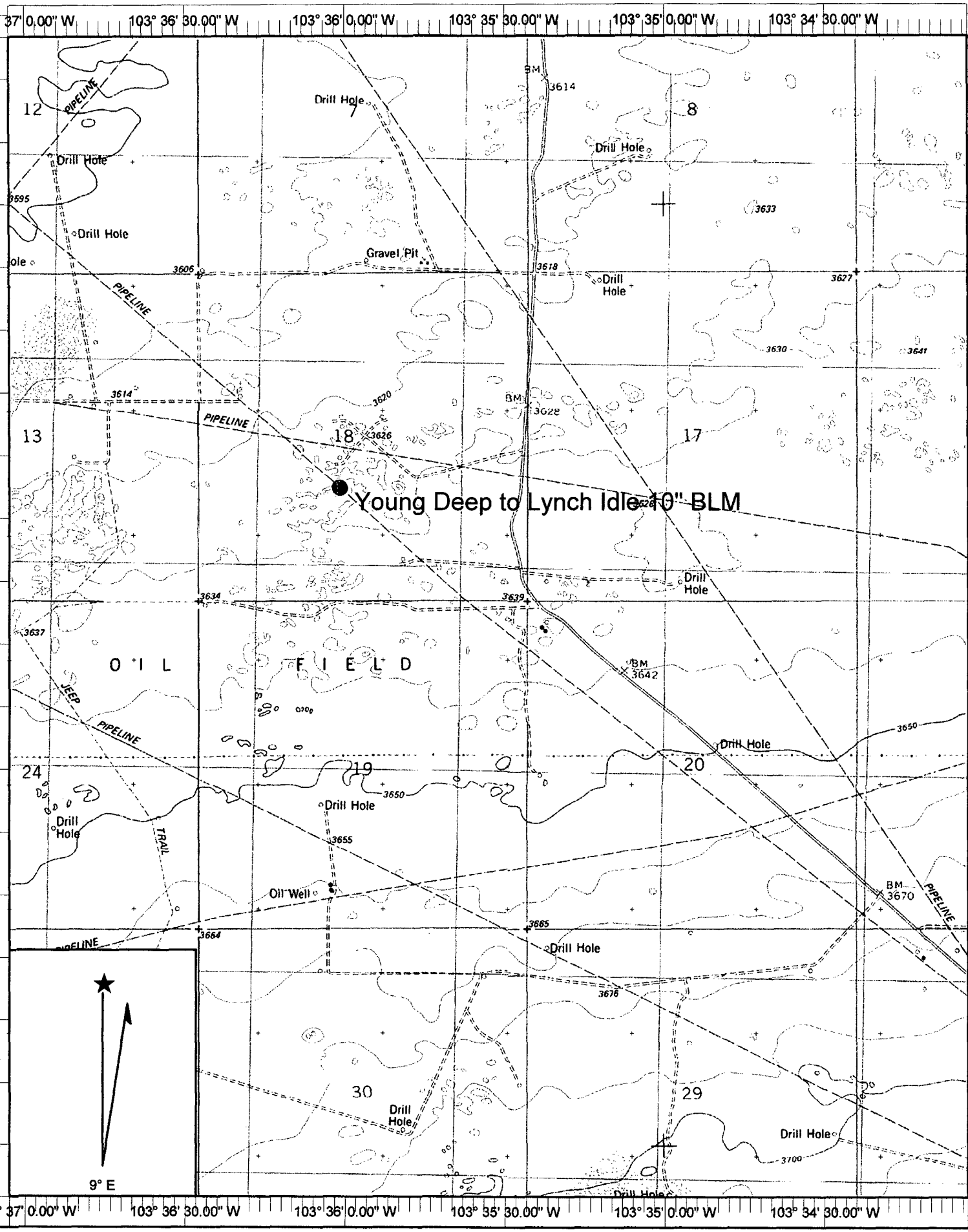
PLAINS MARKETING, L.P.
YOUNG DEEP TO LYNCH IDLE 10" BLM
LEA COUNTY, NEW MEXICO
EMS: 2005-00162

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)
South S/W	6' bgs	07/14/05	<0.025	<0.025	<0.025	0.037	<0.025	<10	<10	<10	
North S/W	6' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	94.5	94.5	
Ramp East	3' bgs	07/14/05	<0.025	<0.025	<0.025	0.042	<0.025	<10	124	124	
EXCV FLR	12' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	225	225	36.1
West S/W	6' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	
Pipeline Wall	6' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	48.2	48.2	
EXCV FLR East P/L	8' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	56.4	56.4	
EXCV FLR West P/L	8' bgs	07/14/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10	48.2	48.2	
Stockpile		07/14/05	<0.025	0.079	0.388	1.09	0.390	825	5050	5880	
NMOCD CRITERIA			**10**	**TOTAL BTEX 50**						**5000**	

FIGURES

FIGURE 1

SITE LOCATION MAP

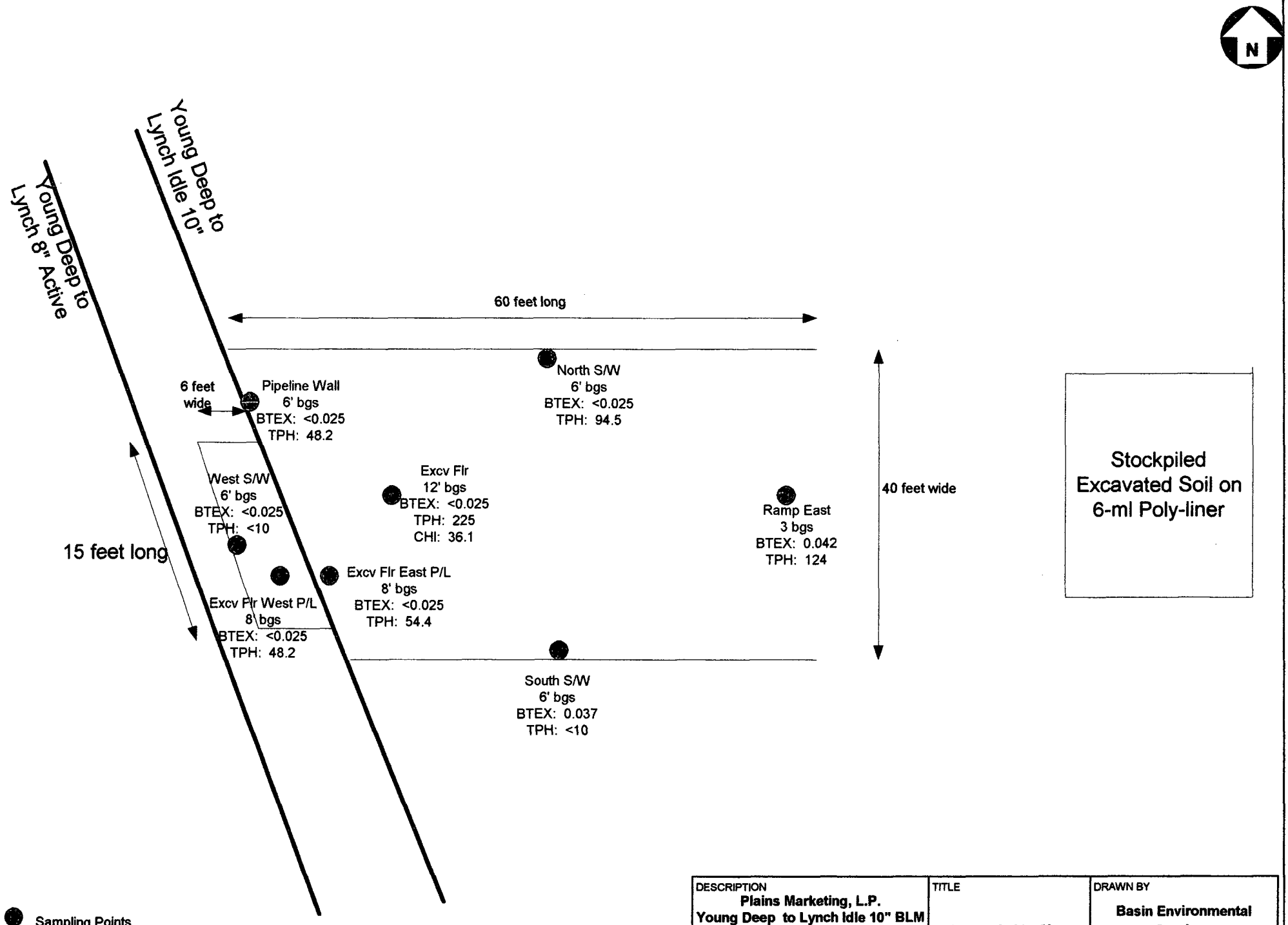


Name: LEA
Date: 7/28/2005
Scale: 1 inch equals 2000 feet

Location: 032° 33' 54.3" N 103° 35' 33.5" W
Caption: Figure 1, Site Location Map
Plains Marketing, L. P.
Young Deep to Lynch Idle 10" BLM

FIGURE 2

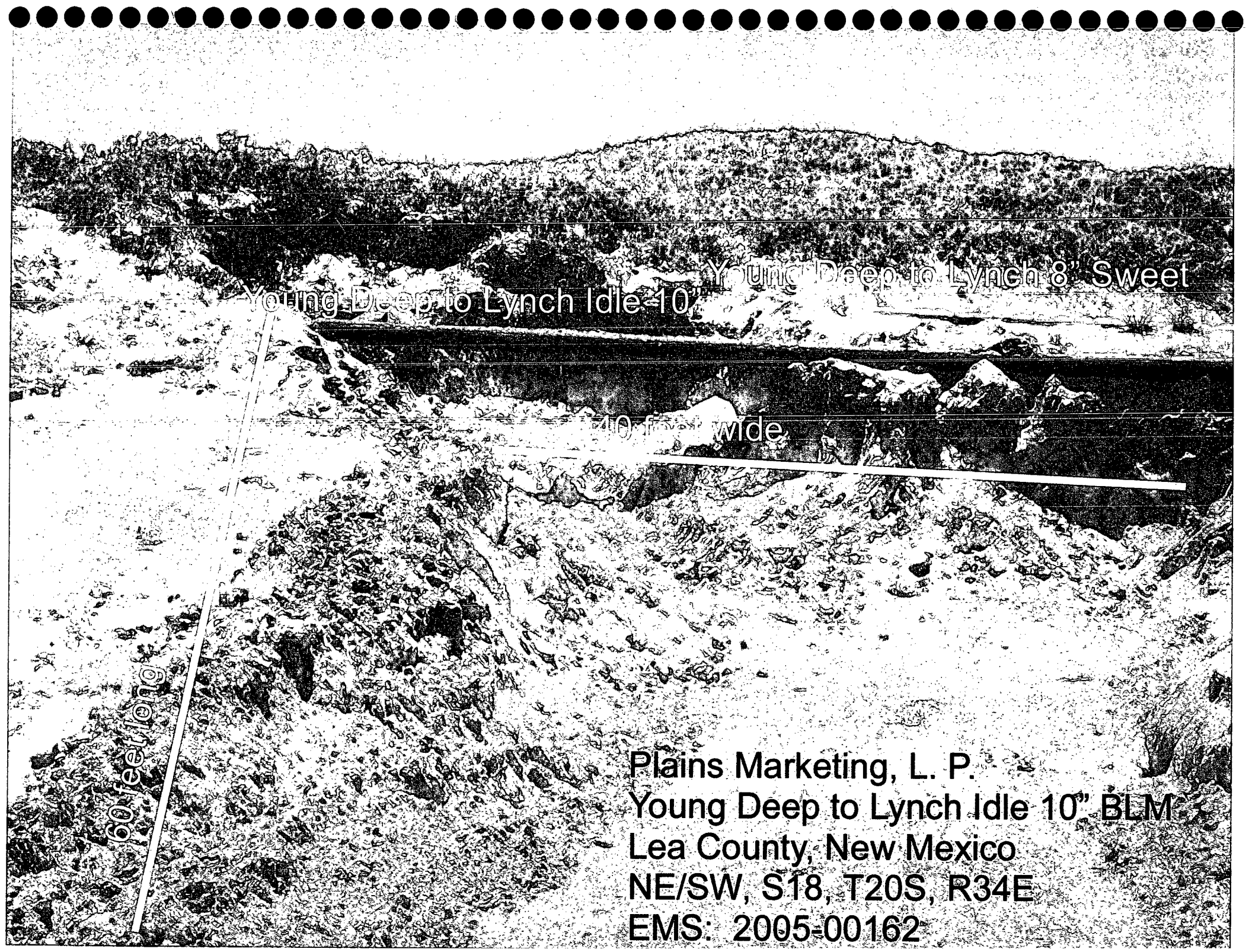
SITE MAP



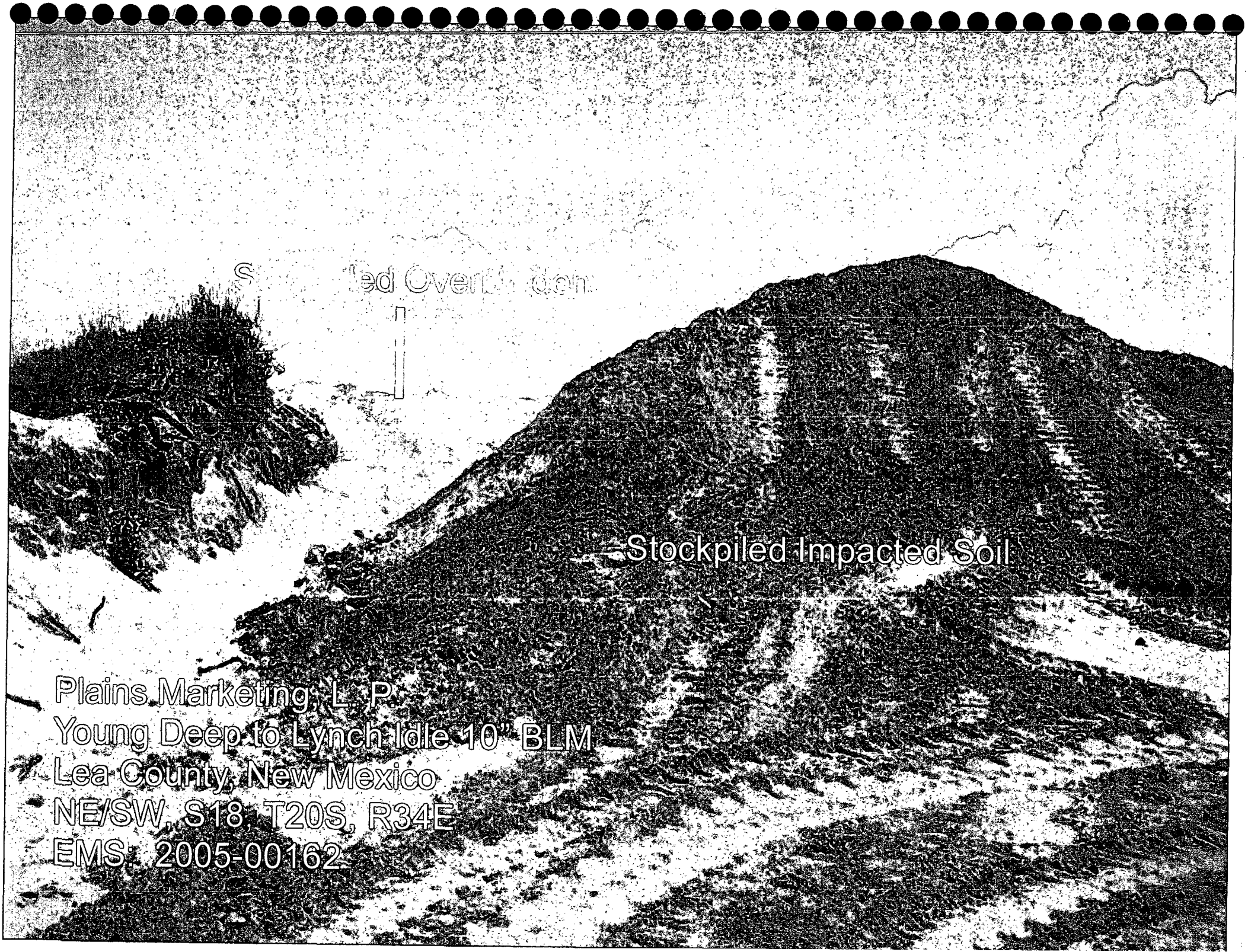
DESCRIPTION	TITLE	DRAWN BY
Plains Marketing, L.P. **Young Deep to Lynch Idle 10" BLM** **NE/SW S18, T20S, R34E** **Lea County, New Mexico**	**Figure 2, Site Map**	**Basin Environmental Services** **kad**

FIGURE 3

DIGITAL PHOTOS



Plains Marketing, L. P.
Young Deep to Lynch Idle 10" BLM
Lea County, New Mexico
NE/SW, S18, T20S, R34E
EMS: 2005-00162


Stockpiled Impacted Soil
Plains Marketing, L.P.
Young Deep to Lynch Idle 10" BLM
Lea County, New Mexico
NE/SW, S18, T20S, R34E
EMS: 2005-00162

APPENDICES

APPENDIX A

NEW MEXICO OFFICE OF THE STATE ENGINEER WATER WELL DATABASE REPORT

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 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 07/26/2005

(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

APPENDIX B

ENVIRONMENTAL LABORATORY OF TEXAS ANALYTICAL RESULTS

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Young Deep to Lynch Idle 10" BLM

Project Number: EMS: 2005-00162

Location: Lea County, NM

Lab Order Number: 5G15009

Report Date: 07/19/05

Plains All American EH & S	Project: Young Deep to Lynch Idle 10" BLM	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00162	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	07/19/05 16:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
South S/W	5G15009-01	Soil	07/14/05 15:00	07/15/05 12:00
North S/W	5G15009-02	Soil	07/14/05 15:15	07/15/05 12:00
Ramp East	5G15009-03	Soil	07/14/05 15:30	07/15/05 12:00
EXCV FLR	5G15009-04	Soil	07/14/05 15:45	07/15/05 12:00
West S/W	5G15009-05	Soil	07/14/05 16:00	07/15/05 12:00
Pipeline Wall	5G15009-06	Soil	07/14/05 16:15	07/15/05 12:00
EXCV FLR East P/L	5G15009-07	Soil	07/14/05 16:30	07/15/05 12:00
EXCV FLR West P/L	5G15009-08	Soil	07/14/05 16:45	07/15/05 12:00
Stockpile	5G15009-09	Soil	07/14/05 17:00	07/15/05 12:00

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

Plains All American EH & S	Project: Young Deep to Lynch Idle 10" BLM	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00162	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	07/19/05 16:18

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South S/W (5G15009-01) 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		*82.9 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.3 %*	*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	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*89.2 %*	*70-130*		"	"	"	"	
North S/W (5G15009-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51512	07/15/05	07/18/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*80.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.9 %*	*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	**94.5**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**94.5**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*78.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*91.2 %*	*70-130*		"	"	"	"	
Ramp East (5G15009-03) 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)	**0.0421**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.1 %*	*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	**124**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**124**	10.0	"	"	"	"	"	"	

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Plains All American EH & S	Project: Young Deep to Lynch Idle 10" BLM	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00162	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	07/19/05 16:18

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Ramp East (5G15009-03) Soil									
Surrogate: 1-Chlorooctane		*84.0 %*	*70-130*		*EG51515*	*07/15/05*	*07/18/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*91.2 %*	*70-130*		"	"	"	"	
EXCV FLR (5G15009-04) 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		*84.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.9 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [9.74]**	10.0	mg/kg dry	1	EG51515	07/15/05	07/18/05	EPA 8015M	J
Diesel Range Organics >C12-C35	**225**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**225**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*81.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*96.8 %*	*70-130*		"	"	"	"	
West S/W (5G15009-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51902	07/18/05	07/18/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.4 %*	*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	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*86.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*91.0 %*	*70-130*		"	"	"	"	

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
Pipeline Wall (5G15009-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51902	07/18/05	07/18/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*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	**48.2**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**48.2**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*75.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*71.2 %*	*70-130*		"	"	"	"	
EXCV FLR East P/L (5G15009-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51902	07/18/05	07/18/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.9 %*	*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	**56.4**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**56.4**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*88.0 %*	*70-130*		"	"	"	"	
EXCV FLR West P/L (5G15009-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51902	07/18/05	07/18/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.2 %*	*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	**48.2**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**48.2**	10.0	"	"	"	"	"	"	

Plains All American EH & S	Project: Young Deep to Lynch Idle 10" BLM	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00162	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	07/19/05 16:18

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EXCV FLR West P/L (5G15009-08) Soil									
Surrogate: 1-Chlorooctane		*83.2 %*	*70-130*		*EG51515*	*07/15/05*	*07/18/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*91.2 %*	*70-130*		"	"	"	"	
Stockpile (5G15009-09) Soil									
Benzene	**ND**	0.0250	mg/kg dry	25	EG51902	07/18/05	07/18/05	EPA 8021B	
Toluene	**0.0791**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.388**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.09**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.390**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**825**	50.0	mg/kg dry	5	EG51515	07/15/05	07/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	**5050**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**5880**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*16.5 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*17.8 %*	*70-130*		"	"	"	"	*S-06*

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

Plains All American EH & S	Project: Young Deep to Lynch Idle 10" BLM	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2005-00162	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	07/19/05 16:18

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South S/W (5G15009-01) Soil									
% Moisture	**1.5**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
North S/W (5G15009-02) Soil									
% Moisture	**0.7**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
Ramp East (5G15009-03) Soil									
% Moisture	**2.2**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
EXCV FLR (5G15009-04) Soil									
Chloride	**36.1**	5.00	mg/kg	10	EG51904	07/18/05	07/18/05	EPA 300.0	
% Moisture	**6.4**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
West S/W (5G15009-05) Soil									
% Moisture	**3.2**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
Pipeline Wall (5G15009-06) Soil									
% Moisture	**0.5**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
EXCV FLR East P/L (5G15009-07) Soil									
% Moisture	**10.5**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
EXCV FLR West P/L (5G15009-08) Soil									
% Moisture	**0.6**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	
Stockpile (5G15009-09) Soil									
% Moisture	**1.2**	0.1	%	1	EG51807	07/15/05	07/18/05	% calculation	

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

Organics by GC - Quality Control

Environmental Lab of Texas

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

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)										
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*			
Batch EG51902 - EPA 5030C (GC)										
Blank (EG51902-BLK1)				Prepared & Analyzed: 07/18/05						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*88.5*		*ug/kg*	*100*		*88.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*84.0*		*"*	*100*		*84.0*	*80-120*			
LCS (EG51902-BS1)				Prepared & Analyzed: 07/18/05						
Benzene	99.3		ug/kg	100		99.3	80-120			
Toluene	105		"	100		105	80-120			
Ethylbenzene	113		"	100		113	80-120			
Xylene (p/m)	222		"	200		111	80-120			
Xylene (o)	111		"	100		111	80-120			
Surrogate: a,a,a-Trifluorotoluene	*90.7*		*"*	*100*		*90.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*103*		*"*	*100*		*103*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG51902 - EPA 5030C (GC)										
Calibration Check (EG51902-CCV1)				Prepared: 07/18/05 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 (EG51902-MS1)		**Source: 5G15012-01**		Prepared & Analyzed: 07/18/05						
Benzene	89.0		ug/kg	100	ND	89.0	80-120			
Toluene	95.8		"	100	ND	95.8	80-120			
Ethylbenzene	107		"	100	ND	107	80-120			
Xylene (p/m)	209		"	200	ND	104	80-120			
Xylene (o)	103		"	100	ND	103	80-120			
Surrogate: a,a,a-Trifluorotoluene	*88.7*		"	*100*		*88.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*104*		"	*100*		*104*	*80-120*			
Matrix Spike Dup (EG51902-MSD1)		**Source: 5G15012-01**		Prepared & Analyzed: 07/18/05						
Benzene	81.4		ug/kg	100	ND	81.4	80-120	8.92	20	
Toluene	88.8		"	100	ND	88.8	80-120	7.58	20	
Ethylbenzene	99.2		"	100	ND	99.2	80-120	7.57	20	
Xylene (p/m)	196		"	200	ND	98.0	80-120	5.94	20	
Xylene (o)	98.1		"	100	ND	98.1	80-120	4.87	20	
Surrogate: a,a,a-Trifluorotoluene	*83.1*		"	*100*		*83.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*104*		"	*100*		*104*	*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 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	

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	

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.
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

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.

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 IDLE 16" BLM
Project #: EMS: 2005-00162
Project Loc: LEA COUNTY, NM
PO #: PAA/CREYNOLDS

LAB # (lab use only) 59/500 9	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	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	CHLORIDES-300.1			RUSH TAT (Pre-Schedule)	Standard TAT
-01	SOUTH S/W	14 Jul	1500	1	X									X		X							X								X
-02	NORTH S/W		1515																												
-03	RAMP EAST		1530																												
-04	EXCV FLR		1545																								X				
-05	WEST S/W		1600																												
-06	PIPELINE WALL		1615																												
-07	EXCV FLR EAST P/L		1630																												
-08	EXCV FLR WEST P/L		1645																												
-09	STOCKPILE		1700																												

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:
Rec - 2.5°C

Relinquished by:	Date	Time	Received by:	Date	Time
	15 July 05	0850		July 15 05	8:50
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	7-15-05	12:00	Rala Jr	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 #: 5G15009

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:

_____

_____

_____

_____

_____

_____

_____

APPENDIX C

BLM REPORT OF UNDESIRABLE EVENT

Form NM 3162-1
(August 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR
Bureau of Land Management
New Mexico State Office

REPORT OF UNDESIRABLE EVENT

DATE OF OCCURRENCE/DISCOVERY: 7-7-05 TIME OF OCCURRENCE: 11:30

DATE REPORTED TO BLM: 7-7-05 TIME REPORTED: 15:50

BLM OFFICE REPORTED TO: (FIELD/DISTRICT/OTHER) Hobbs Office - Trish Badbear

LOCATION: (¼ ¼) NE,SW SECTION 18 T. 20 R. 34 MERIDIAN NM Prime

COUNTY: Lea STATE: NM WELL NAME _____

OPERATOR: COMPANY NAME Plains Pipeline PHONE NO. (505) 441-0965
CONTACT PERSON'S NAME Camille Reynolds

SURFACE OWNER: BLM MINERAL OWNER: _____
(FEDERAL/INDIAN/FEE/STATE)

LEASE NO.: _____ RIGHT-OF-WAY NO.: NM 168942

UNIT NAME / COMMUNITIZATION AGREEMENT NO.: _____

TYPE OF EVENT, CIRCLE APPROPRIATE ITEM (S):

BLOWOUT, FIRE, FATALITY, INJURY, PROPERTY DAMAGE, (OIL SPILL), SALTWATER SPILL, OIL AND SALTWATER SPILL, TOXIC FLUID SPILL, HAZARDOUS MATERIAL SPILL, UNCONTROLLED FLOW OF WELLBORE FLUIDS, OTHER (SPECIFY):

CAUSE OF EVENT: Internal Corrosion of pipeline

HazMat Notified: (for spills) -

Law Enforcement Notified: (for thefts) -

CAUSE AND EXTENT OF PERSONAL INJURIES/CAUSE OF DEATH(S): None

Safety Officer Notified: -

EFFECTS OF EVENT: Soil around pipeline impacted w/ crude oil

ACTION TAKEN TO CONTROL EVENT: Line de-oiled

LENGTH OF TIME TO CONTROL BLOWOUT OR FIRE: _____

VOLUMES DISCHARGED: OIL 8 barrels WATER 0 GAS 0

OTHER AGENCIES NOTIFIED: NMOCD - Larry Johnson, Hobbs Office

ACTION TAKEN OR TO BE TAKEN TO PREVENT RECURRENCE: Line de-oiled

FINAL INVESTIGATION:

TEAM NAME(S) _____

FIELD INSPECTION DATE _____

SUMMARY OF RESULTS OF INSPECTION _____

RESOURCE LOSS WAS (CIRCLE ITEM): AVOIDABLE UNAVOIDABLE

DATE OF MEMO NOTIFYING MINERALS MANAGEMENT SSERVICE THAT LOSS WAS AVOIDABLE: _____

DATE/TIME/PERSON NOTIFIED:

DISTRICT OFFICE _____

STATE OFFICE _____

WASHINGTON OFFICE _____

SUMMARY OF RESULTS OF RECLAMATION/CORRECTIVE ACTION: _____

REMARKS: _____

SIGNATURE OF AUTHORIZED OFFICER _____

DATE: _____ TITLE: _____

APPENDIX D

BOONE ARCHEOLOGY SURVEY REPORT

Boone Archaeological Services LLC
2030 North Canal
Carlsbad, NM 88220
Email: BAS@warpdriveonline.com
Office: 505-885-1352

FAX NUMBER 505-887-7667

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
Ken Dutton	Danny / Ann Boone
COMPANY:	**DATE:**
Basin Environmental	7/26/2005
FAX NUMBER:	**TOTAL NO. OF PAGES:**
505-396-1429	4
PHONE NUMBER:	**SENDER'S REFERENCE NUMBER:**
505-396 2378	BAS 07-05-37
RE:	**YOUR REFERENCE NUMBER:**
Arch report	EMS 2005-00162

☐ URGENT ☑ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY

Notes/Comments:

The above report has been delivered to the Carlsbad BLM

Thank you for your business

TITLE PAGE/ABSTRACT/
NEGATIVE SITE REPORT
CFO/RFO

1/03

1. BLM Report No.	2. Reviewer's Initials/Date_____ ACCEPTED ( ) REJECTED ( )	3. NMCRIS No.: 93850

4. Type of Report: Negative (X) Positive ( )

5. Title of Report: Class III archaeological survey of an irregular shaped area where petroleum produce leaked from the Maljamar to Lynch 10" line.

Author(s): Ann Boone

6. Fieldwork Date(s): from 15 July 2005 to

7. Report Date: 25 July 2005

8. Consultant Name & Address:
Boone Archaeological Services
2030 North Canal
Carlsbad, NM 88220
Direct Charge: Danny Boone
Field Personnel Names: Danny Boone
Phone: (505) 885-1352

9. Cultural Resource Permit No.
BLM: 190-292-05-G
STATE: NM-05-157

10. Consultant Report No.:
BAS 07-05-37

11. Customer Name: Plains All American Pipeline, L.P.
Responsible Individual: Ken Dutton (Agent)
Address: 1301 S Country Road 1150
Midland, Texas 79706-4476
Phone: (432) 682-5392

12. Customer Project No.:
EMS No.2005-00162

13. Land Status	BLM	STATE	PRIVATE	OTHER	TOTAL
a. Area Surveyed (acres)	3.2 (+/-)	0	0	0	3.2 (+/-)
b. Area of Effect (acres)	1.8 (-/+)	0	0	0	1.8 (-/+)

14. a. Linear: Length; NA Width; NA
b. Block: Irregular shaped, See 16 b. and attached project map.

15. Location: (Maps Attached if Negative Survey)
a. State: New Mexico
b. County: Lea
c. BLM Office: Carlsbad
d. Nearest City or Town: Hobbs, NM
e. Legal Location: T 20S, R 34E, Sec. 18, NE¼ SW¼.
f. Well Pad Footages: NA
g. USGS 7.5 Map Name(s) and Code Number(s): LEA, NM (1984) 32103-E5

16. Project Data:

a. Records Search: Date(s) of BLM File Review: 1 July 2005 Name of Reviewer (s): Danny Boone

Date(s) of ARMS Data Review: 1 July 2005 Name of Reviewer (s): Ann Boone

Findings (see Field Office requirements to determine area to be reviewed during records search):

LA 108870 and 35675 are within 1.0 mile.

b. Description of Undertaking:

The project is an irregular shaped (See attached Map) area just southwest of the pad for the Wallen Fed. well No. 84 where a pipeline leaked petroleum produce. Access is from the No. 84 pad. Cleanup operations were underway at the time of this survey and project was not staked. The effected area plus an estimated 100 foot buffer was surveyed. Location, footage, survey acres are estimations based on a hand held GPS Unit. Impact acres are unknown and were estimated.

c. Environmental Setting (NRCS soil designation; vegetative community; etc.):

Topography: Slightly rolling dunal plain.

Vegetation: Overall ground cover is approximately 30% and consists primarily of shinoak, yucca cactus, prickly pear cactus, various grasses and other flora.

NRCS: A parallel grid spaced 15 meters or less apart.

d. Field Methods: (transect intervals; crew size; time in field, etc.):

Transects: A parallel grid spaced 15 meters or less apart.

Crew Size: One

Time in Field: 1.5 hours.

e. Artifacts Collected (?): None

17. Cultural Resource Findings:

a. Identification and description: None

b. Evaluation of significance of Each Resource:

18. Management Summary (Recommendations):

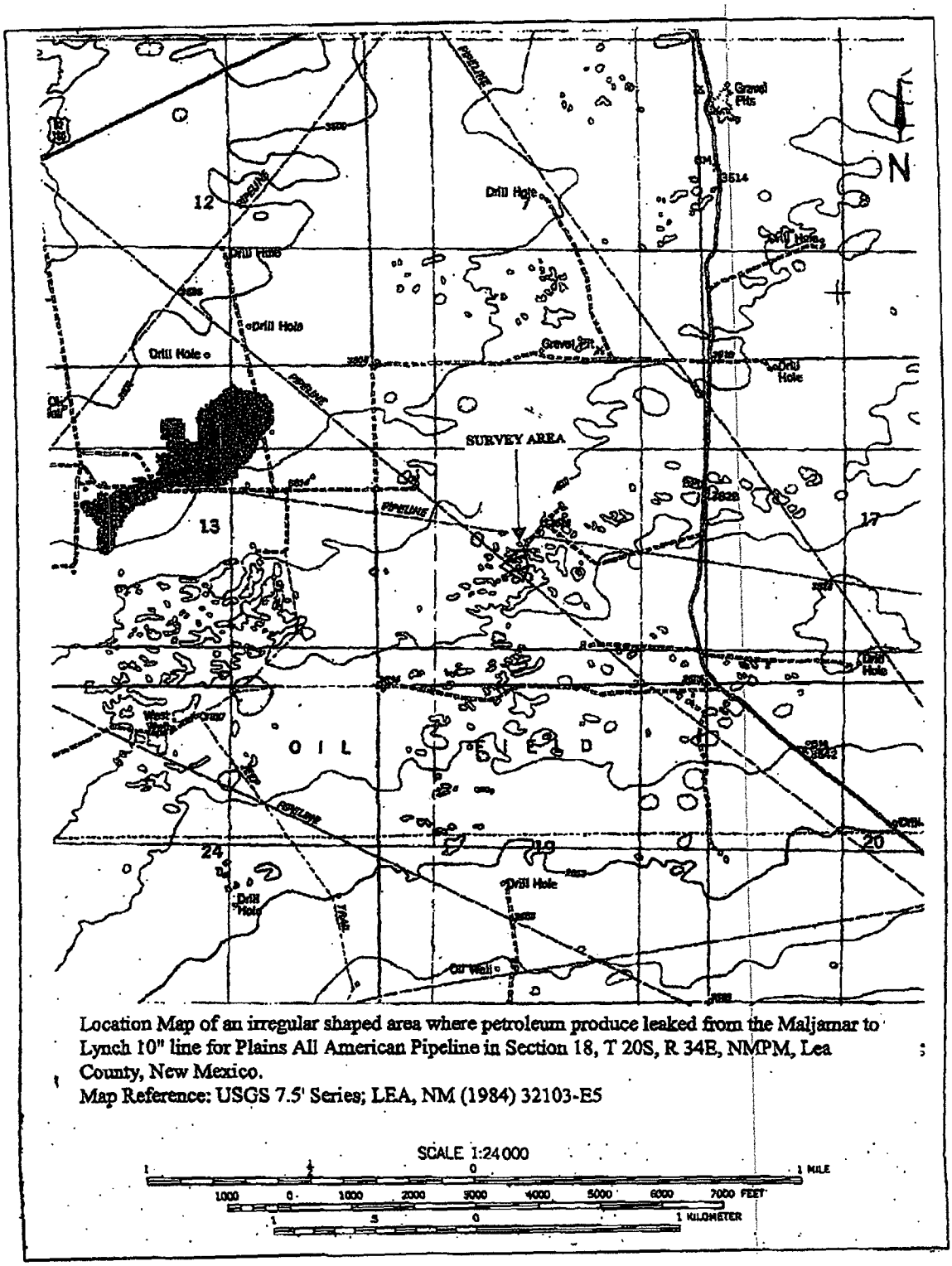
No cultural resources were encountered during the survey, therefore clearance of an irregular shaped area as shown on the attached Map where petroleum produce leaked from the Maljamar to Lynch 10" line for Plains All American Pipeline is recommended. If cultural resources are encountered at any time, all activity should cease and the BLM Archaeologist notified immediately.

19.

I certify that the information provided above is correct and accurate and meets all appreciable BLM standards.

Responsible Archaeologist Danny Boone 25 July 2005

Signature Date



Location Map of an irregular shaped area where petroleum produce leaked from the Maljamar to Lynch 10" line for Plains All American Pipeline in Section 18, T 20S, R 34E, NMPM, Lea County, New Mexico.

Map Reference: USGS 7.5' Series; LEA, NM (1984) 32103-E5

APPENDIX E

NMOCD C-141

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Repor

Name of Company Plains Marketing, LP	Contact Camille Reynolds
Address 5805 East Hwy. 80, Midland, TX 79706	Telephone No. 505-441-0965
Facility Name Young Deep to Lynch Idle 10" BLM	Facility Type 10"Steel Pipeline

Surface Owner BLM	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	18	20S	34E					Lea

Latitude 32° 34'15.8" Longitude 103° 36' 02.7"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 8 barrels	Volume Recovered 0 barrels
Source of Release 10" Steel Pipeline	Date and Hour of Occurrence 07/07/2005 @ 11:15	Date and Hour of Discovery 07/07/2005 @ 11:30
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Camille Reynolds	Date and Hour 07/07/2005@ 15:50	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

JUL 2005
Received
Hobbs
OCD

If a Watercourse was Impacted, Describe Fully.*

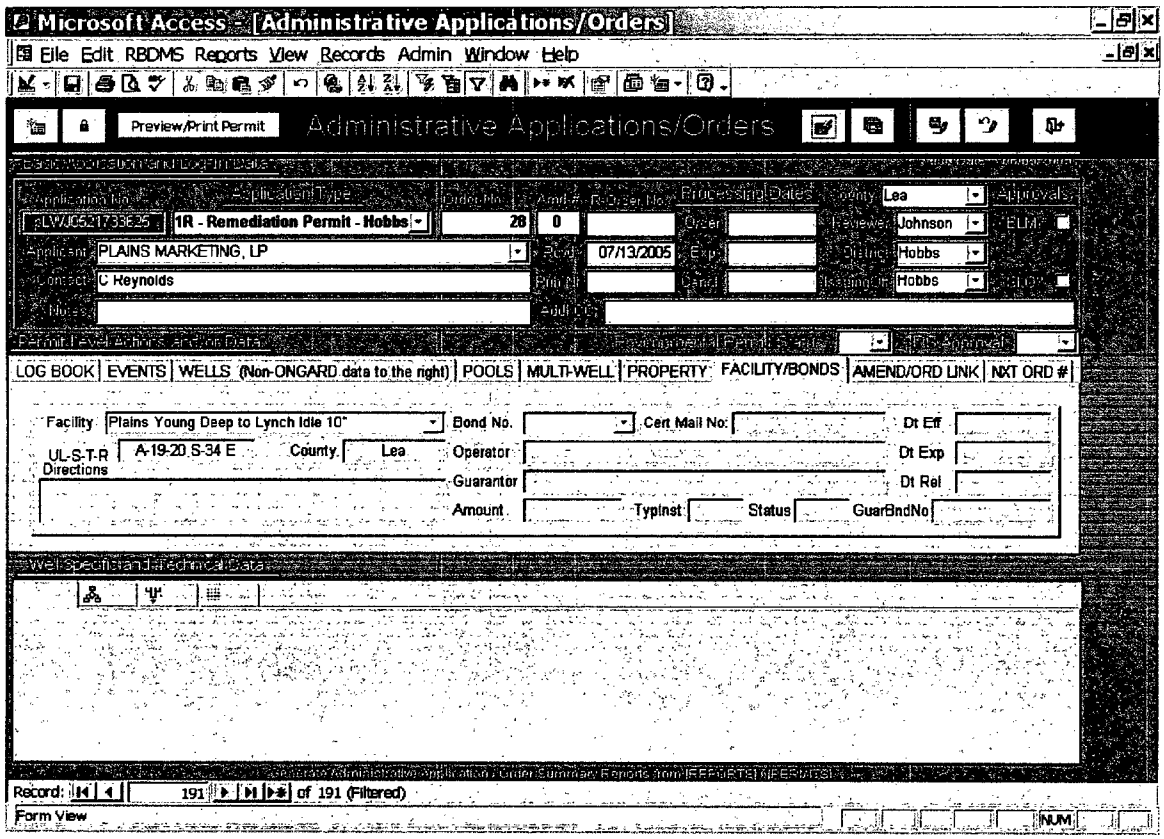
Describe Cause of Problem and Remedial Action Taken.* Internal corrosion of the 10 inch pipeline resulted in release of crude oil. The line has been de-oiled. The line is idle so information concerning volume and pressure on line is unavailable.

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was 432 square feet.

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

Signature: Camille Reynolds	OIL CONSERVATION DIVISION
Printed Name: Camille Reynolds	Approved by District Supervisor:
Title: Remediation Coordinator	Approval Date: / Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval: / Attached ☐
Date: 07/13/05 Phone:505-441-0965	

Attach Additional Sheets If Necessary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Preview/Print Permit
Administrative Applications/Orders
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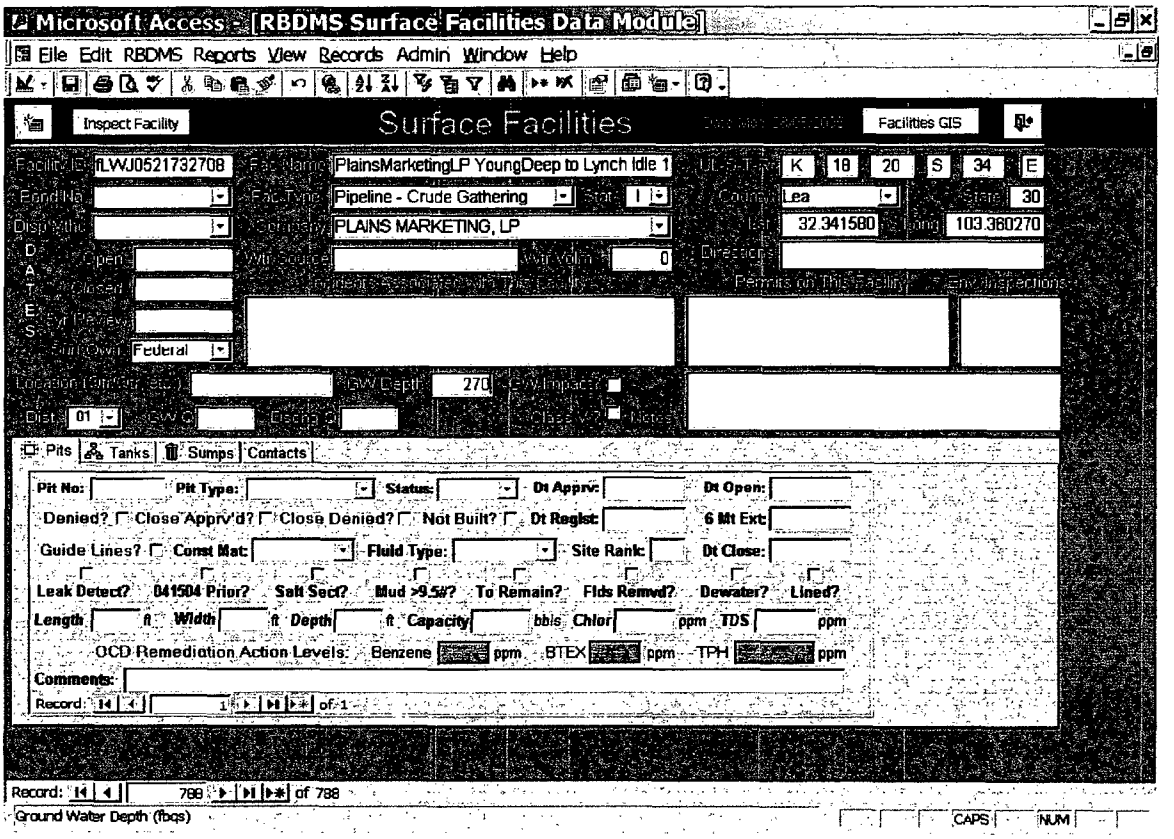
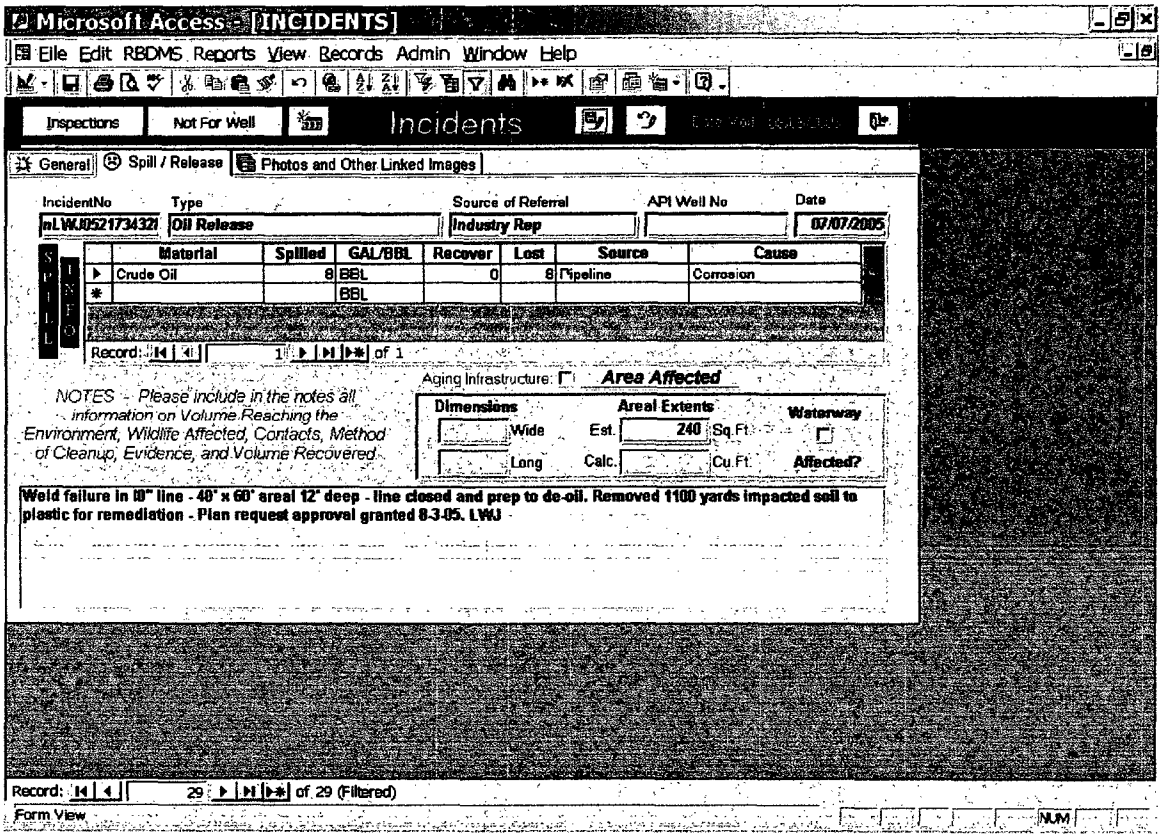
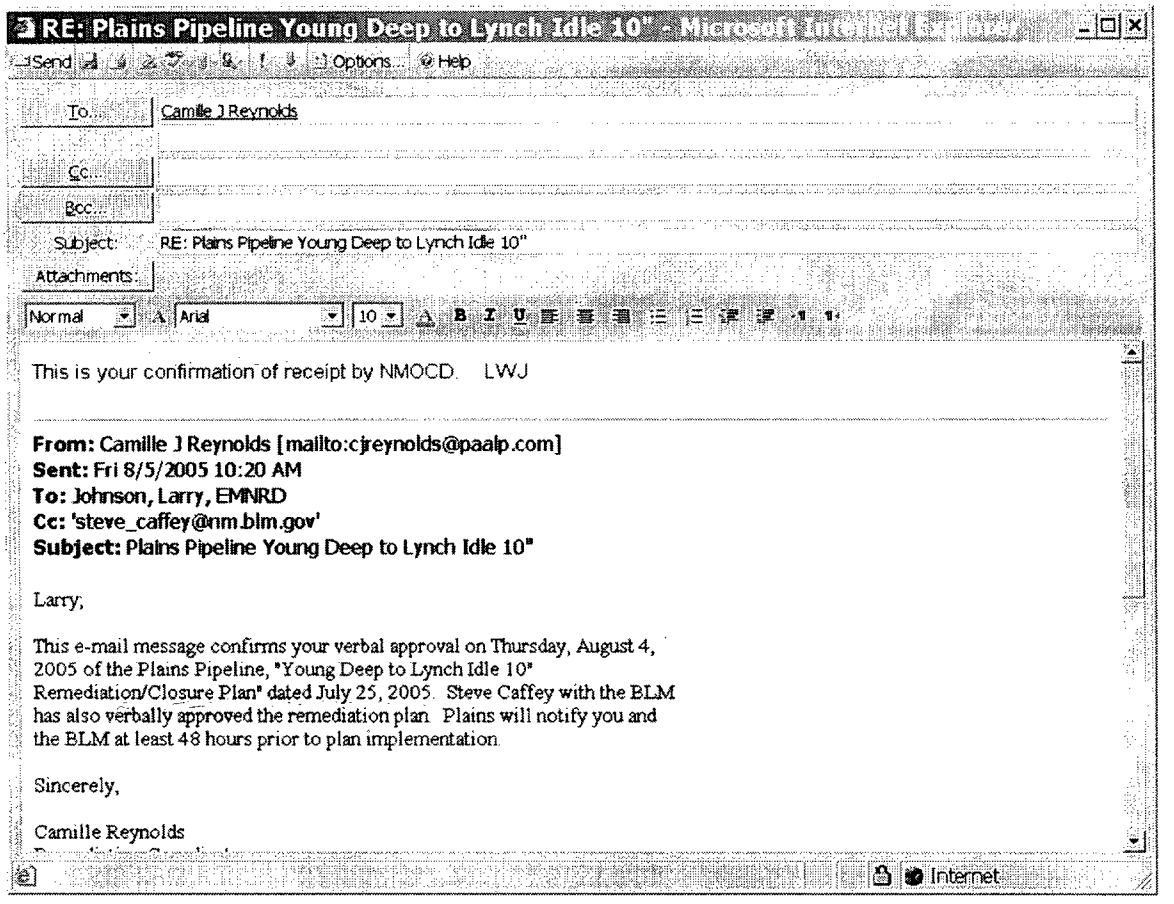
Application Type
Order No
Amd #
Re-Order No
Processing Dates
County
Approvals
1R - Remediation Permit - Hobbs
28
0
Lea
Johnson
Hobbs
Hobbs
PLAINS MARKETING, LP
07/13/2005
C Reynolds
LOG BOOK
EVENTS
WELLS (Non-ONGARD data to the right)
POOLS
MULTI-WELL
PROPERTY
FACILITY/BONDS
AMEND/ORD LINK
NXT ORD #
Facility
Plains Young Deep to Lynch Idle 10"
Bond No.
Cert Mail No:
Dt Eff
UL-S-T-R
A-19-20 S-34 E
County
Lea
Operator
Dt Exp
Directions
Guarantor
Dt Rel
Amount
TypInst
Status
GuarBndNo
Record:
191
of 191 (Filtered)
Form View
NUM


Microsoft Access - [RBDMS Surface Facilities Data Module]
File Edit RBDMS Reports View Records Admin Window Help
Inspect Facility
Surface Facilities
Facilities GIS
Facility ID: fLWJ0521732708
Fac Name: PlainsMarketingLP YoungDeep to Lynch Idle 1
Bond No:
Fac Type: Pipeline - Crude Gathering
Stat: I
Disp Mthd:
Company: PLAINS MARKETING, LP
Open:
Closed:
Last Review:
Surf Own: Federal
Wlt Source:
Wlt Vol/Yr: 0
Unit: K 18 20 S 34 E
County: Lea
Elev: 30
Lat: 32.341580
Long: 103.360270
Directions:
Permits on This Facility
Env Inspections
GW Depth: 270
GW Impact:
Dist: 01
SW Cl:
Depth Cl:
Class V?
Note:
Pits | Tanks | Sumps | Contacts
Pit No:
Pit Type:
Status:
Dt Apprv:
Dt Open:
Denied? Close Apprv'd? Close Denied? Not Built? Dt Regist:
6 Mt Ext:
Guide Lines? Const Mat:
Fluid Type:
Site Rank:
Dt Close:
Leak Detect? 041504 Prior? Salt Sect? Mud >9.5#? To Remain? Flds Remvd? Dewater? Lined?
Length ft Width ft Depth ft Capacity bbls Chlor ppm TDS ppm
OCD Remediation Action Levels: Benzene ppm BTEX ppm TPH ppm
Comments:
Record: 1 of 1
Record: 788 of 788
Ground Water Depth (fbgs)
CAPS
NUM


Microsoft Access - [INCIDENTS]
File Edit RBDMS Reports View Records Admin Window Help
Inspections
Not For Well
Incidents
General
Spill / Release
Photos and Other Linked Images
IncidentNo
Type
Source of Referral
API Well No
Date
nLWJ052173432I
Oil Release
Industry Rep
07/07/2005
SPILL INFO
Material
Spilled
GAL/BBL
Recover
Lost
Source
Cause
Crude Oil
8
BBL
0
8
Pipeline
Corrosion
BBL
Record: 1 of 1
Aging Infrastructure:
Area Affected
Dimensions
Areal Extents
Waterway
Wide
Est.
240
Sq.Ft.
Long
Calc.
Cu.Ft.
Affected?
NOTES - Please include in the notes all information on Volume Reaching the Environment, Wildlife Affected, Contacts, Method of Cleanup, Evidence, and Volume Recovered
Weld failure in 10" line - 40' x 60' areal 12" deep - line closed and prep to de-oil. Removed 1100 yards impacted soil to plastic for remediation - Plan request approval granted 8-3-05. LWJ
Record: 29 of 29 (Filtered)
Form View
NUM


RE: Plains Pipeline Young Deep to Lynch Idle 10" - Microsoft Internet Explorer
Send
Options...
Help
To...
Camille J Reynolds
Cc...
Bcc...
Subject:
RE: Plains Pipeline Young Deep to Lynch Idle 10"
Attachments:
Normal
Arial
10
This is your confirmation of receipt by NMOCD. LWJ
From: Camille J Reynolds [mailto:cjreynolds@paalp.com]
Sent: Fri 8/5/2005 10:20 AM
To: Johnson, Larry, EMNRD
Cc: 'steve_caffey@nm.blm.gov'
Subject: Plains Pipeline Young Deep to Lynch Idle 10"
Larry,
This e-mail message confirms your verbal approval on Thursday, August 4, 2005 of the Plains Pipeline, "Young Deep to Lynch Idle 10" Remediation/Closure Plan" dated July 25, 2005. Steve Caffey with the BLM has also verbally approved the remediation plan. Plains will notify you and the BLM at least 48 hours prior to plan implementation.
Sincerely,
Camille Reynolds
Internet