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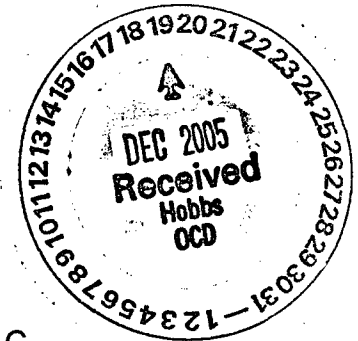
PRELIMINARY SITE INVESTIGATION REPORT and REMEDIATION/CLOSURE PLAN

APPROVED (2.20.05)
VERSACE
PC 12.21.05

**PLAINS MARKETING, L.P.
Lynch Station Lusk A & B 8" Loop Line
Lea County, New Mexico
Plains EMS # 2004-00114
UNIT B (NW/NE), Section 34, Township 20 South, Range 34 East
Latitude 32°, 31', 59.8" North, Longitude 103°, 32', 48.6" West**

Prepared For:

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



Prepared By:

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

12 December 2005


Ken Dutton

Basin Environmental Service Technologies, LLC

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INTRODUCTION

Environmental Plus, Inc., (EPI), responded to a crude oil pipeline release for Plains Marketing, L.P. (Plains), located on the Lynch Station Lusk A & B 8" Pipeline, located in the Lynch Pump Station on 01 April 2004. The Lynch Station Lusk A & B 8" Pipeline release was clamped and excavation of the impacted soil was initiated and impacted soil was stockpiled on a 6-mil poly-liner. Basin Environmental Service Technologies, LLC (Basin), will perform subsequent remediation of the site at the request of Plains.

This site is located in Unit B (NW/NE), Section 34, Township 20 South, Range 34 East, in Lea County, New Mexico (topographic Site Location Map is attached as Figure 1). The latitude is 32°, 31', 59.8" North, and longitude is 103°, 32', 48.6" West. The site is characterized as a large operational pipeline pumping station containing various pieces of crude oil pumping equipment, numerous pipelines and high capacity steel tanks. The visually stained area included the release point and covered an area approximately 140 feet long by 85 feet wide. It is estimated 175 barrels of crude oil were released from the Lynch Station Lusk A & B 8" Pipeline and 125 barrels were recovered.

Plains Pipeline operations personnel marked their respective lines inside the pumping station before excavation activities commenced.

Mr. Larry Johnson, New Mexico Oil Conservation Division (NMOCD), Hobbs, New Mexico District 1 was verbally notified of the release on 01 April 2004. The landowner, Mr. Danny Berry was verbally notified of the release on 01 April 2004.

SUMMARY OF FIELD ACTIVITIES

Approximately 512 cubic yards of impacted soil was transported to Plains Lea Station Land Farm due to the excavation activities conducted by EPI. The remaining excavated soil, which was approximately 100 cubic yards, was stockpiled on-site by EPI adjacent to the excavation.

On 14 April 2005, Basin mobilized to Lynch Station Lusk A & B 8" Pipeline crude oil release site to delineate the horizontal and vertical extent of crude oil release utilizing delineation trenches at the release point and throughout the visually stained flow path area. The visually stained area was approximately 140 feet long by 85 feet wide and extended to approximately 3 feet below ground surface (bgs) at the release point.

Lynch Station is a large high volume pumping station containing numerous large diameter gathering pipelines and high capacity steel tanks. Due to the safety concerns of the numerous pipelines entering Lynch Station, mechanical and manual excavation of the visually stained area was conducted. The five delineation trenches were installed at depths ranging from 1 foot bgs to 6 feet bgs (see Site Map, Figure

2). Photoionization Detector (PID) readings indicate elevated concentrations of Volatile Organic Compounds (VOC) remain in place at the release point.

On 12 May 2005, Basin continued excavating the visually stained crude oil impacted release site and flow path based on the previous delineation activities. The release point was mechanically and manually excavated to approximately 10 feet bgs. Further excavation of the release point area was suspended due to safety concerns of the numerous pipelines encountered. The remaining crude oil impacted flow path area was excavated to a depth ranging from 2 feet bgs to 3 feet bgs. Approximately 500 cubic yards of impacted soil was excavated and stockpiled on-site as a result of this excavation activity. PID readings indicate elevated concentrations of VOC's remain in place at the release point and header floor.

On 05 June 2005, confirmation soil samples were collected from the excavated area (see Site Map, Figure 3). Each sample was screened with a PID, which was calibrated on 05 June 2005. The selected soil samples were analyzed for concentrations of benzene, toluene, ethylbenzene, and xylenes (BTEX), and total petroleum hydrocarbons – gasoline range organics/diesel range organics (TPH-GRO/DRO).

New Mexico Oil Conservation Division (NMOCD) Soil Classification

A search of the New Mexico State Engineers database revealed no water 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 have been excavated to approximately 140 feet long by 85 feet wide and to a depth of approximately 3 to 10 feet bgs with evidence of crude oil impact still existing at the release point. Continued mechanical and manual excavation was suspended due to safety concerns. Analytical results and PID readings indicate elevated concentrations of VOC's remain in place. The release point and header floor confirmation soil samples were collected at a depth of approximately 10 feet bgs. Analytical results indicated that detectable BTEX concentrations were below NMOCD regulatory standards on both soil samples. Analytical results indicated that detectable TPH concentrations exceeded NMOCD

regulatory standards on the release point and header floor soil samples at 9,730 mg/kg and 12,600 mg/kg, respectively.

Analytical results indicated that detectable BTEX concentrations were below NMOCD regulatory standards on the west header floor, west header floor northwest sidewall and the east header floor. Analytical results indicated BTEX concentrations on the remaining confirmation soil samples were not detected above the laboratory method detection limits. Analytical results indicated that detectable TPH concentrations were below NMOCD regulatory standards on the west header north sidewall, west header west sidewall, east header south sidewall and east header floor soil samples. Analytical results indicated that TPH concentrations were not detected above the laboratory method detection limits on the remaining confirmation soil samples. On Tuesday, 01 November 2005, data presented to Larry Johnson, NMOCD, Hobbs District 1, by Plains and Basin representatives, pertaining to past, current and projected future remedial actions at Lynch Station Site was agreed upon due to Lynch Station being an active site. Approximately 512 cubic yards of impacted soil was excavated and transported to Plains Lea Station by EPI. Approximately 500 cubic yards of impacted soil was excavated by Basin and stockpiled on a 6-mil poly-liner due to the excavation activities.

The visually stained area was mechanically and manually excavated to approximately 140 feet long and 85 feet wide ranging in depth from 3 to 10 feet bgs. Analytical results from the nine (9) confirmation soil samples indicate the sidewalls and floor of the excavation are below NMOCD regulatory standards for concentrations of BTEX and TPH. Analytical results from the two (2) confirmation soils samples at the release point and header floor are above NMOCD regulatory standards for concentrations of TPH and below NMOCD regulatory standards for concentrations of BTEX. Laboratory data sheets and chain-of-custody forms are attached as Appendix B.

RECOMMENDATIONS FOR DELINEATION/REMEDATION

Approximately 500 cubic yards of impacted soil has been excavated and stockpiled on-site resulting from the emergency response and excavation activities. Based on the results of the soil delineation investigation and excavation activities, which indicate the impacted soils are limited in extent and Lynch Station being an operational location, Plains requests approval from the NMOCD to install a 2 foot impermeable clay barrier at the release point and header floor area. The impermeable clay barrier will be backfilled from depth to approximately 8 feet bgs and 8 feet of caliche backfilled on top of the clay barrier to the surface. The clay barrier will mitigate vertical migration of contaminants and allow natural attenuation of the limited impacted soils. Analytical results indicate that the remainder of the excavation is below NMOCD regulatory standards. Caliche backfill will be utilized in the excavation areas that exhibited BTEX and TPH concentrations below NMOCD regulatory standards. The stockpiled material will be transported to the Lazy Ace Landfarm and clean caliche will be transported to the site and utilized as backfill

material. Upon cessation of operational activities at Lynch Pump Station, Plains will remediate the area to NMOCD regulatory standards as required.

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.

12.20.05
• LEAVE AREA UNDER
LINES (12K) LIMIT (5K)
WILL REMOVE WHEN LINES
ARE INACTIVE.
• CLOSED AS A RISK

DISTRIBUTION

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Copy 3

TABLE 1

SOIL CHEMISTRY, EXCAVATION

PLAINS MARKETING L.P.
 LYNCH STATION LUSK A & B 8" LOOPLINE
 LEA COUNTY, NEW MEXICO
 EMS: 2004-00114

SAMPLE LOCATION	SAMPLE DEPTH (Below Normal Surface Grade)	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M		TOTAL TPH
			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)
RP	10' bgs	06/03/05	0.049	0.238	0.220	0.340	0.229	1490	8240	9730
HDR FLR	10' bgs	06/03/05	0.201	7.59	3.35	15.1	6.13	2070	10550	12600
W-HDR-FLR	3' bgs	06/03/05	<0.025	<0.025	<0.025	0.085	0.046	<10.0	<10.0	<10.0
W-HDR-NW/SW	1' bgs	06/03/05	<0.025	<0.025	<0.025	0.027	<0.025	<10.0	<10.0	<10.0
W-HDR-N/SW	1' bgs	06/03/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	21.3	21.3
W-HDR-S/SW	1' bgs	06/03/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
W-EXCV-FLR	2' bgs	06/03/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
W-HDR-W/SW	1' bgs	06/03/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	42.3	42.3
E-HDR-E/SW	1' bgs	06/03/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
E-HDR-N/SW	2' bgs	06/03/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
E-HDR-S/SW	2' bgs	06/03/05	<0.025	<0.025	<0.025	<0.025	<0.025	34.3	323	357
E-HDR-FLR	4' bgs	06/03/05	<0.025	0.042	0.071	0.156	0.035	21.4	481	502
Stock Pile		05/12/05	0.058	0.435	0.787	1.56	0.647	477	2920	3400
NMOC D CRITERIA			10	TOTAL BTEX 50						5000

SAMPLE LOCATION

RP: Release Point

HDR FLR: Header Floor

W-HDR-FLR: West-Header-Floor

W-HDR-NW/SW: West-Header-Northwest/Sidewall

W-HDR-N/SW West-Header-North/Sidewall

W-HDR-S/SW West-Header-South/Sidewall

W-EXCV-FLR West-Excavation-Floor

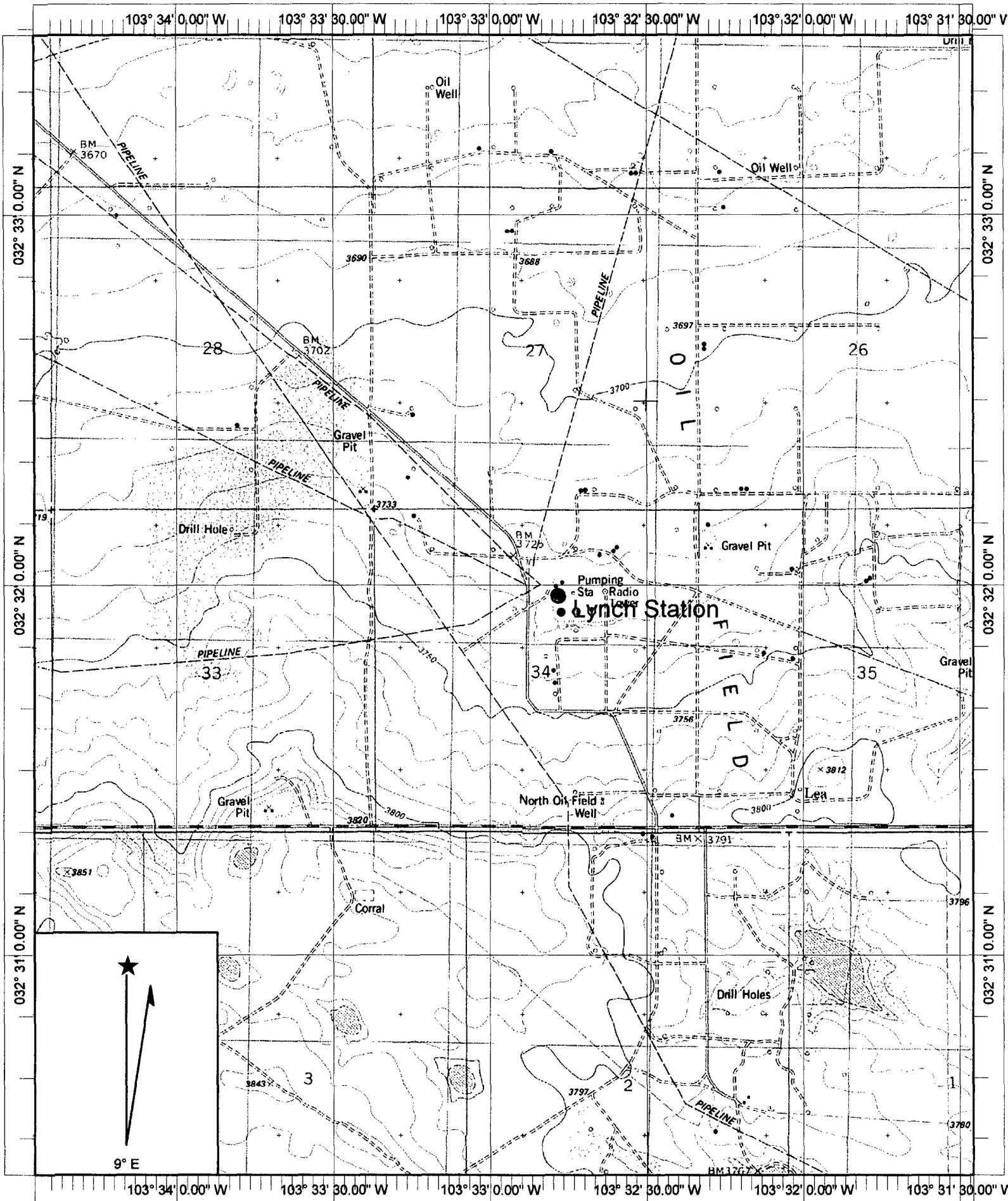
W-HDR-W/SW West-Header-West/Sidewall

E-HDR-E/SW East-Header-East/Sidewall

E-HDR-N/SW East-Header-North/Sidewall

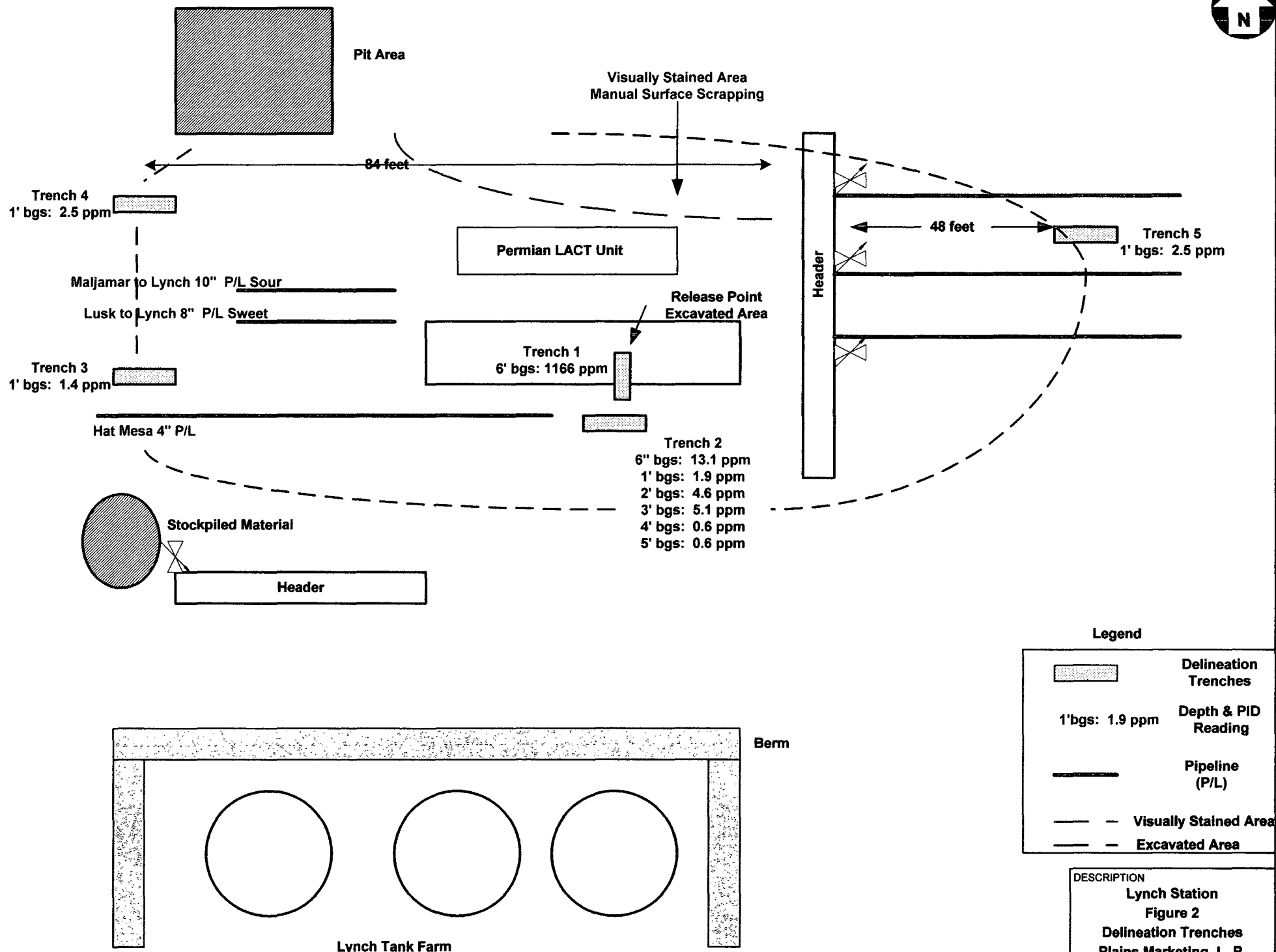
E-HDR-S/SW East-Header-South/Sidewall

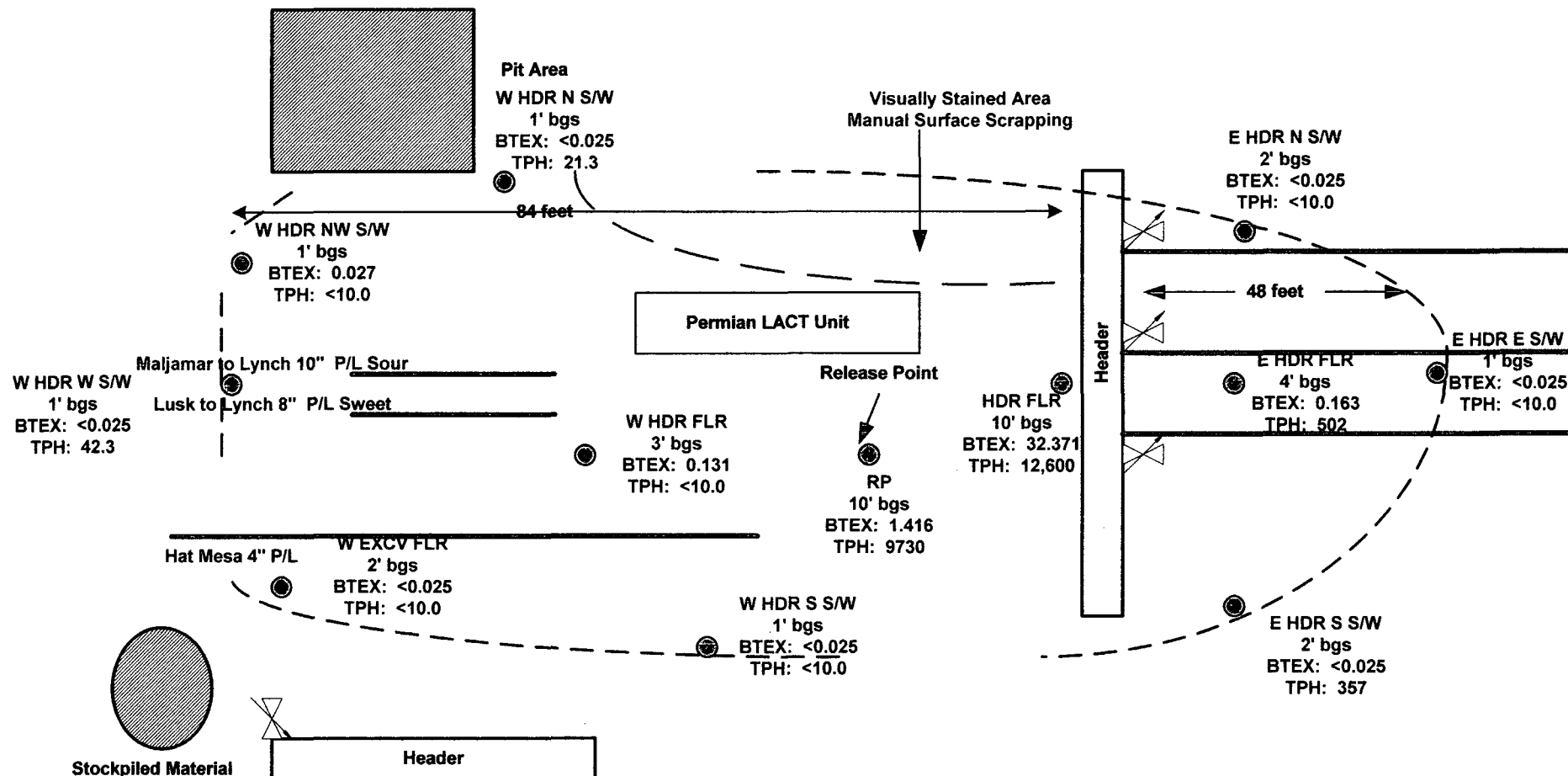
E-HDR-FLR East-Header-Floor



Name: LEA
 Date: 12/17/2005
 Scale: 1 inch equals 2000 feet

Location: 032° 31' 56.50" N 103° 32' 57.33" W
 Caption: Figure 1, Site Location Map
 Plains Marketing, L. P.
 Lynch Station



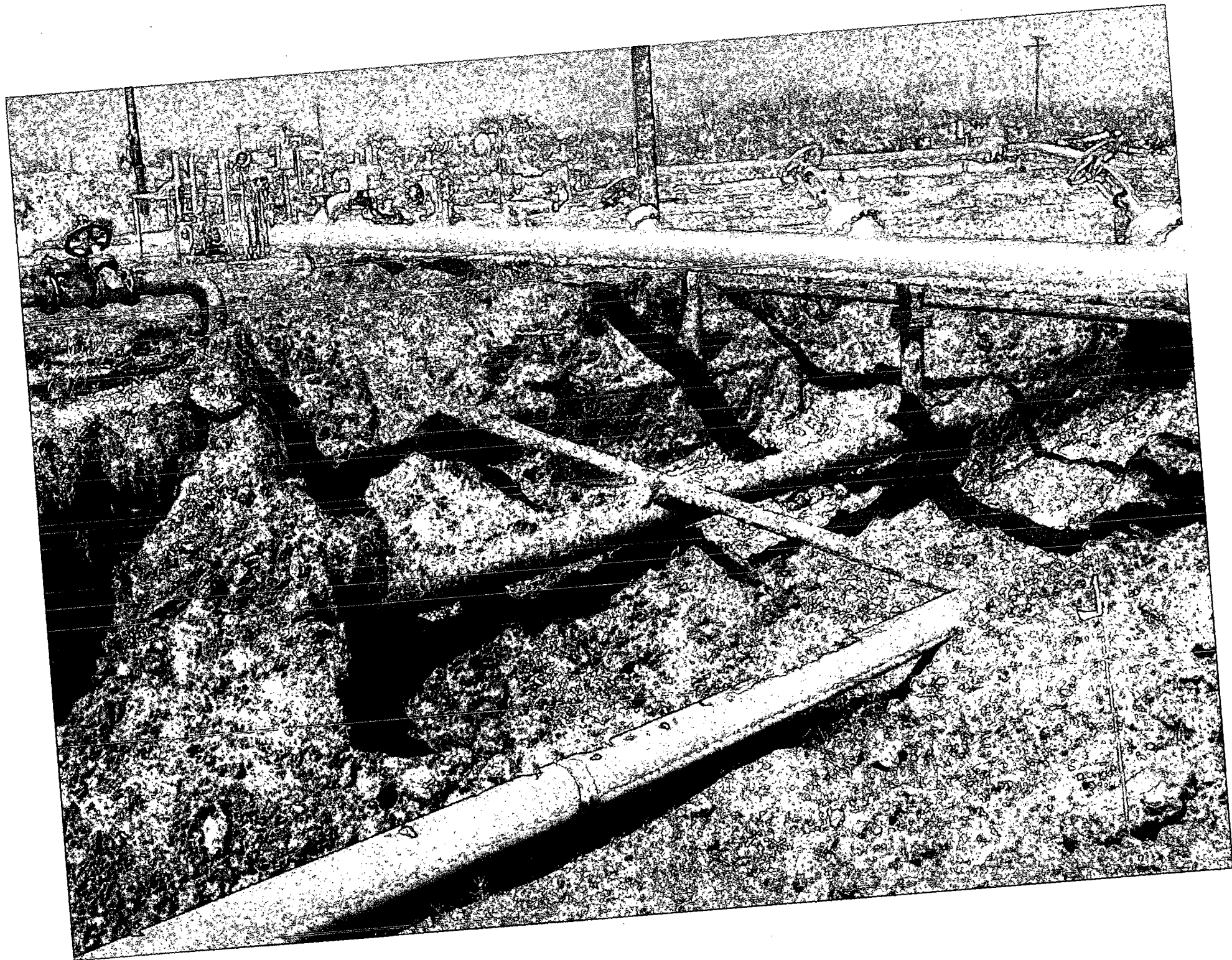


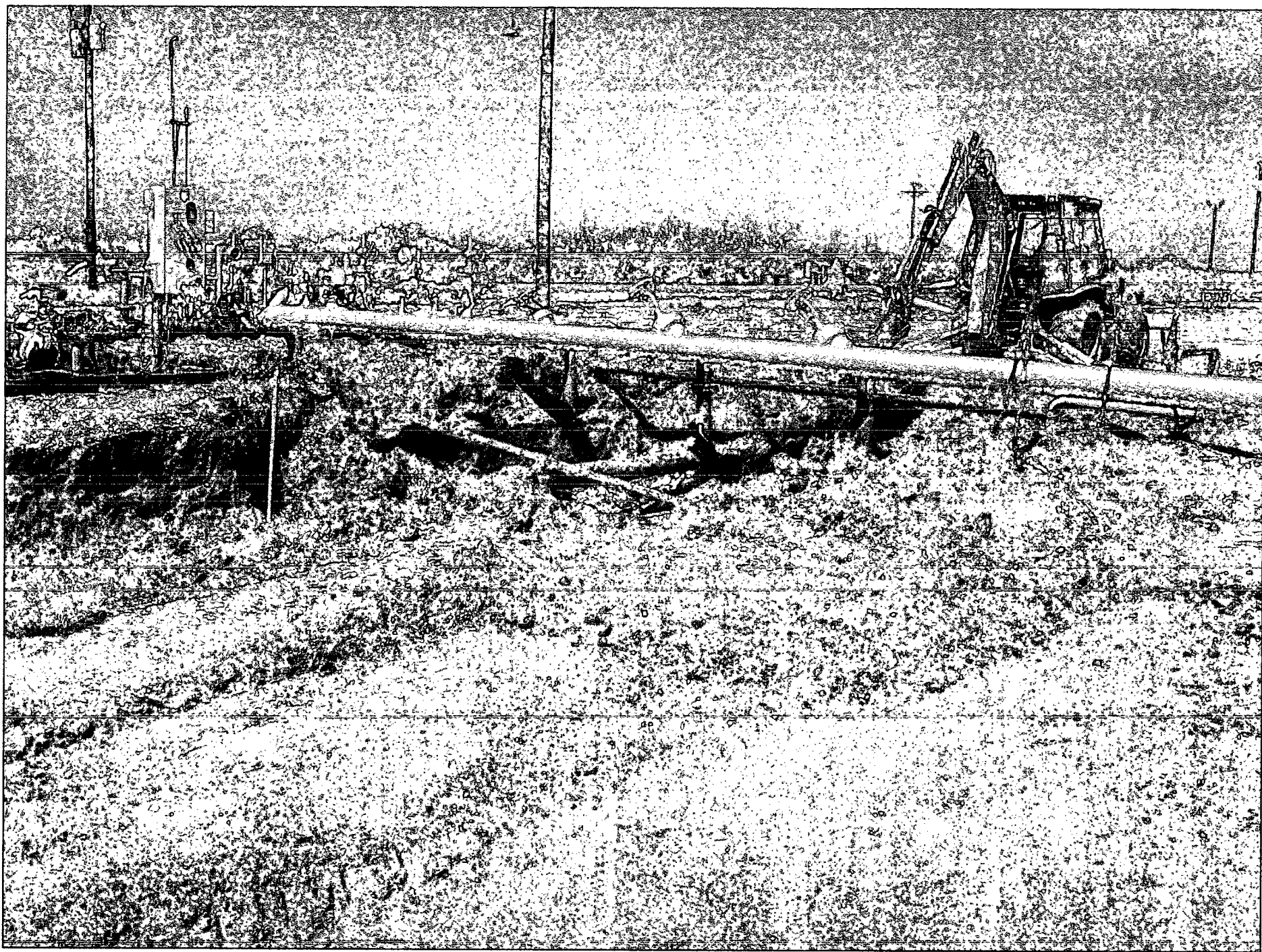
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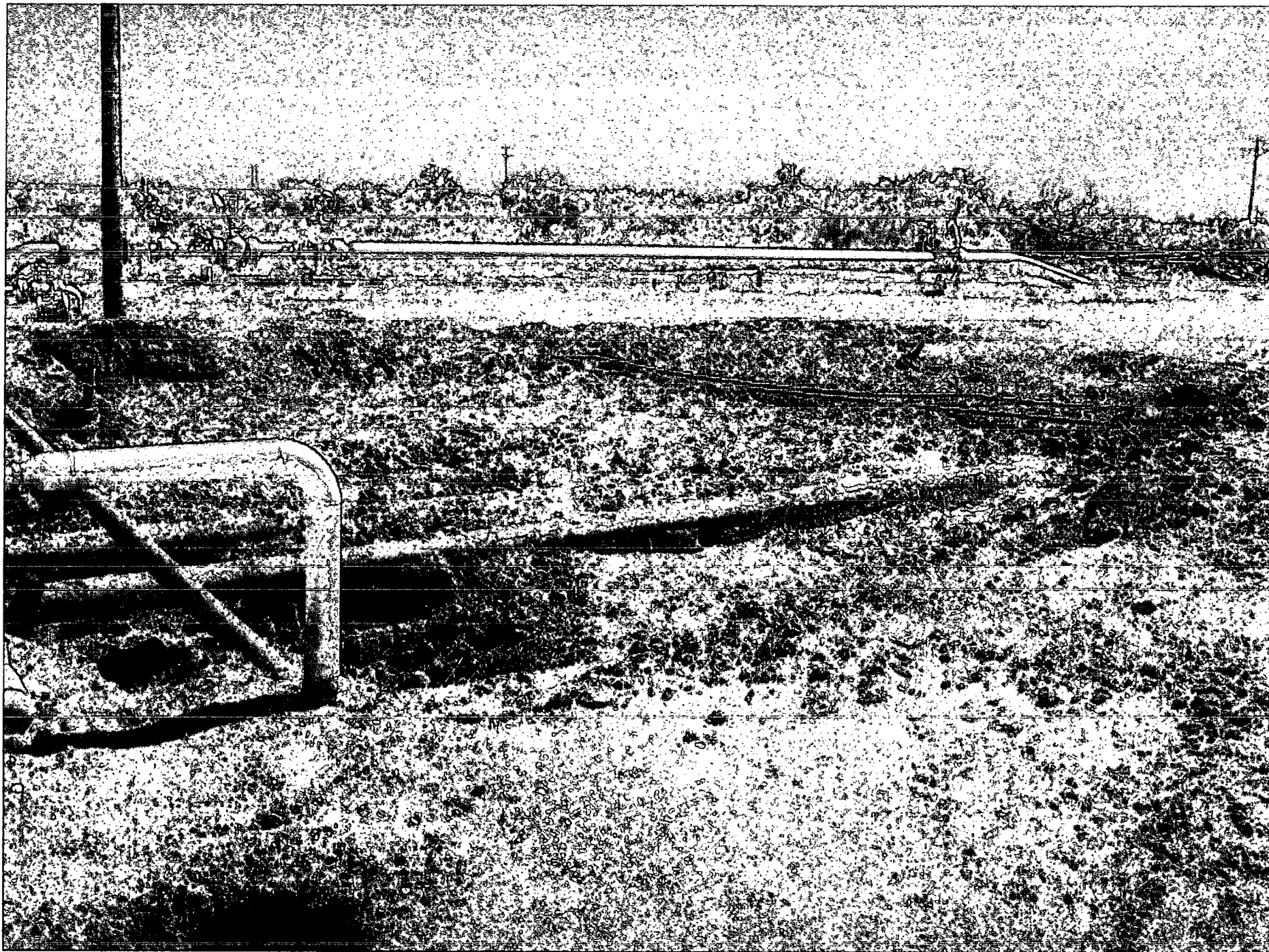
- Visually Stained Area Manual Scrapping
- Excavated Area
- Sampling Locations
- Pipeline (P/L)

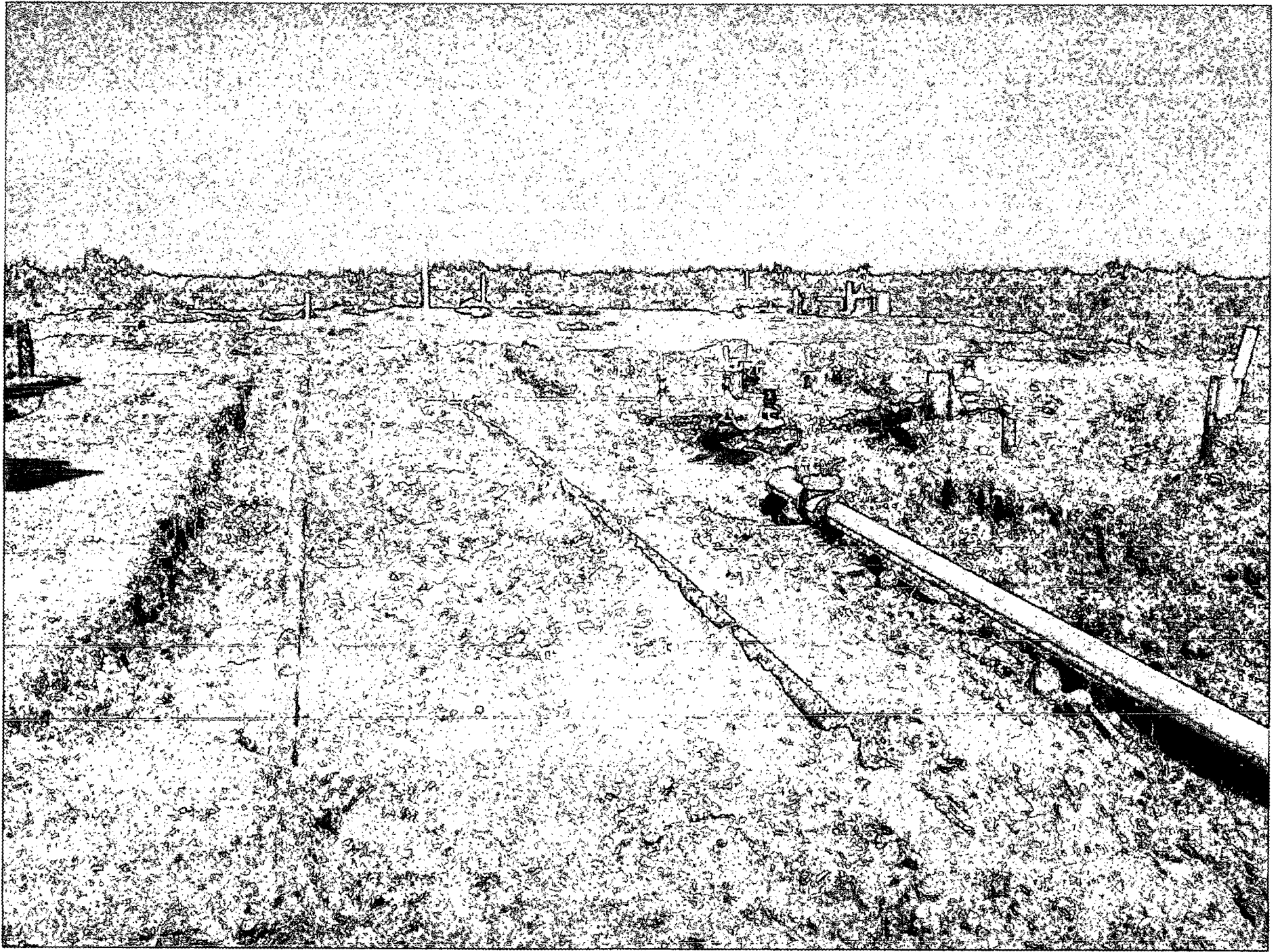
DESCRIPTION
Lynch Station
Figure 3
Excavation Limits and
Soil Sampling Locations
Plains Marketing, L. P.
EMS: 2004-00114











New Mexico Office of the State Engineer
Well Reports and Downloads

Township: Range: Sections: NAD27 X: Y: Zone: Search Radius: County: Basin: Number: Suffix:
Owner Name: (First) (Last) ☐ Non-Domestic
☐ Domestic ☒ All

WELL / SURFACE DATA REPORT 12/16/2

	(acre ft per annum)		
DB File Nbr	Use	Diversion	Owner
			Well N

No Records found, try again

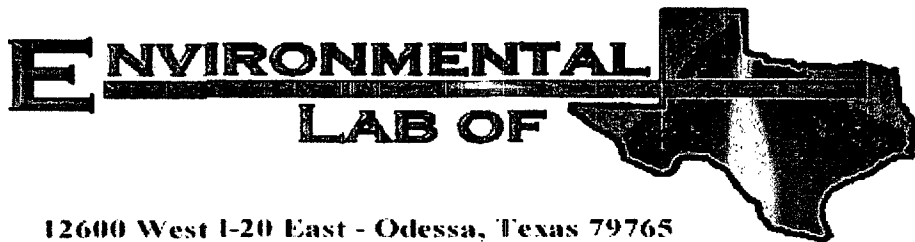
New Mexico Office of the State Engineer
Well Reports and Downloads

Township: Range: Sections: NAD27 X: Y: Zone: Search Radius: County: Basin: Number: Suffix: Owner Name: (First) (Last) ☐ Non-Domestic
☐ Domestic ☒ All

AVERAGE DEPTH OF WATER REPORT 12/16/2005

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
CP	20S	34E	24				1	270	270	270

Record Count: 1



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: Lynch Station

Project Number: EMS: 2004-00114

Location: Lea County, NM

Lab Order Number: 5E13020

Report Date: 05/17/05

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
05/17/05 09:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Stockpile	5E13020-01	Soil	05/12/05 16:00	05/13/05 09:40

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
05/17/05 09:09

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Stockpile (SE13020-01) Soil									
Benzene	0.0582	0.0250	mg/kg dry	25	EE51401	05/14/05	05/14/05	EPA 8021B	
Toluene	0.435	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.787	0.0250	"	"	"	"	"	"	
Xylene (p/m)	1.56	0.0250	"	"	"	"	"	"	
Xylene (o)	0.647	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		121 %	80-120		"	"	"	"	S-04
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	477	10.0	mg/kg dry	1	EE51305	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	2920	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	3400	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		95.6 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		90.4 %	70-130		"	"	"	"	

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

Project: Lynch Station
Project Number: EMS: 2004-00114
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Reported:
05/17/05 09:09

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Stockpile (SE13020-01) Soil									
% Moisture	3.3	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	

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

Project: Lynch Station
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Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
05/17/05 09:09

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 EE51305 - Solvent Extraction (GC)										
Blank (EE51305-BLK1)				Prepared: 05/13/05 Analyzed: 05/14/05						
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	39.4		mg/kg	50.0		78.8	70-130			
Surrogate: 1-Chlorooctadecane	37.6		"	50.0		75.2	70-130			
LCS (EE51305-BS1)				Prepared: 05/13/05 Analyzed: 05/14/05						
Gasoline Range Organics C6-C12	475	10.0	mg/kg wet	500		95.0	75-125			
Diesel Range Organics >C12-C35	505	10.0	"	500		101	75-125			
Total Hydrocarbon C6-C35	980	10.0	"	1000		98.0	75-125			
Surrogate: 1-Chlorooctane	38.6		mg/kg	50.0		77.2	70-130			
Surrogate: 1-Chlorooctadecane	36.2		"	50.0		72.4	70-130			
Calibration Check (EE51305-CCV1)				Prepared: 05/13/05 Analyzed: 05/14/05						
Gasoline Range Organics C6-C12	499		mg/kg	500		99.8	80-120			
Diesel Range Organics >C12-C35	530		"	500		106	80-120			
Total Hydrocarbon C6-C35	1030		"	1000		103	80-120			
Surrogate: 1-Chlorooctane	48.4		"	50.0		96.8	70-130			
Surrogate: 1-Chlorooctadecane	41.2		"	50.0		82.4	70-130			
Matrix Spike (EE51305-MS1)				Source: 5E13021-02	Prepared: 05/13/05 Analyzed: 05/14/05					
Gasoline Range Organics C6-C12	477	10.0	mg/kg dry	517	ND	92.3	75-125			
Diesel Range Organics >C12-C35	502	10.0	"	517	ND	97.1	75-125			
Total Hydrocarbon C6-C35	979	10.0	"	1030	ND	95.0	75-125			
Surrogate: 1-Chlorooctane	52.8		mg/kg	50.0		106	70-130			
Surrogate: 1-Chlorooctadecane	47.0		"	50.0		94.0	70-130			
Matrix Spike Dup (EE51305-MSD1)				Source: 5E13021-02	Prepared: 05/13/05 Analyzed: 05/14/05					
Gasoline Range Organics C6-C12	488	10.0	mg/kg dry	517	ND	94.4	75-125	2.28	20	
Diesel Range Organics >C12-C35	511	10.0	"	517	ND	98.8	75-125	1.78	20	
Total Hydrocarbon C6-C35	999	10.0	"	1030	ND	97.0	75-125	2.02	20	
Surrogate: 1-Chlorooctane	53.3		mg/kg	50.0		107	70-130			
Surrogate: 1-Chlorooctadecane	48.5		"	50.0		97.0	70-130			

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
05/17/05 09:09

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
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Batch EE51401 - EPA 5030C (GC)

Blank (EE51401-BLK1)

Prepared & Analyzed: 05/14/05

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	90.0		ug/kg	100		90.0	80-120			
Surrogate: 4-Bromofluorobenzene	92.4		"	100		92.4	80-120			

LCS (EE51401-BS1)

Prepared & Analyzed: 05/14/05

Benzene	85.3		ug/kg	100		85.3	80-120			
Toluene	82.9		"	100		82.9	80-120			
Ethylbenzene	86.9		"	100		86.9	80-120			
Xylene (p/m)	200		"	200		100	80-120			
Xylene (o)	91.1		"	100		91.1	80-120			
Surrogate: a,a,a-Trifluorotoluene	104		"	100		104	80-120			
Surrogate: 4-Bromofluorobenzene	114		"	100		114	80-120			

Calibration Check (EE51401-CCV1)

Prepared: 05/14/05 Analyzed: 05/15/05

Benzene	98.5		ug/kg	100		98.5	80-120			
Toluene	93.6		"	100		93.6	80-120			
Ethylbenzene	88.8		"	100		88.8	80-120			
Xylene (p/m)	200		"	200		100	80-120			
Xylene (o)	96.2		"	100		96.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	115		"	100		115	80-120			
Surrogate: 4-Bromofluorobenzene	103		"	100		103	80-120			

Matrix Spike (EE51401-MS1)

Source: 5E13021-01

Prepared & Analyzed: 05/14/05

Benzene	87.4		ug/kg	100	ND	87.4	80-120			
Toluene	86.5		"	100	ND	86.5	80-120			
Ethylbenzene	86.8		"	100	ND	86.8	80-120			
Xylene (p/m)	198		"	200	ND	99.0	80-120			
Xylene (o)	92.0		"	100	ND	92.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	107		"	100		107	80-120			
Surrogate: 4-Bromofluorobenzene	114		"	100		114	80-120			

Environmental Lab of Texas

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Page 5 of 8

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
05/17/05 09:09

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 EE51401 - EPA 5030C (GC)										
Matrix Spike Dup (EE51401-MSD1)										
Source: 5E13021-01 Prepared & Analyzed: 05/14/05										
Benzene	90.9		ug/kg	100	ND	90.9	80-120	3.93	20	
Toluene	90.7		"	100	ND	90.7	80-120	4.74	20	
Ethylbenzene	93.4		"	100	ND	93.4	80-120	7.33	20	
Xylene (p/m)	215		"	200	ND	108	80-120	8.70	20	
Xylene (o)	98.1		"	100	ND	98.1	80-120	6.42	20	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	108		"	100		108	80-120			
Surrogate: 4-Bromofluorobenzene	116		"	100		116	80-120			

Environmental Lab of Texas

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Page 6 of 8

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
05/17/05 09:09

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 EE51301 - General Preparation (Prep)

Blank (EE51301-BLK1)

Prepared & Analyzed: 05/13/05

% Moisture

ND 0.1 %

Duplicate (EE51301-DUP1)

Source: 5E12011-01

Prepared & Analyzed: 05/13/05

% Solids

98.2 % 97.4 0.818 20

Environmental Lab of Texas

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
05/17/05 09:09

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:

Raland K. Tuttle

Date:

5/17/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

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

PO #: PAR/C. REYNOLDS'

[illegible]

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

Client: Plains Pipeline
 Date/Time: 5/13/05 9:50
 Order #: SE13020
 Initials: CK

Sample Receipt Checklist

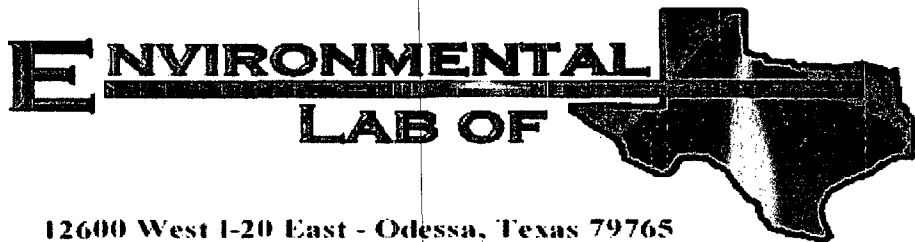
Temperature of container/cooler?	Yes	No	O. O. C
Shipping container/cooler in good condition?	YES	No	
Custody Seals intact on shipping container/cooler?	YES	No	Not present
Custody Seals intact on sample bottles?	YES	No	Not present
Chain of custody present?	YES	No	
Sample Instructions complete on Chain 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	
VCC samples have zero headspace?	YES	No	Not Applicable

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Lynch Station

Project Number: EMS: 2004-00114

Location: Lea County, NM

Lab Order Number: 5F06001

Report Date: 06/08/05

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
06/08/05 15:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RP	5F06001-01	Soil	06/03/05 09:55	06/06/05 08:05
HDR FLR	5F06001-02	Soil	06/03/05 09:45	06/06/05 08:05
W-HDR-FLR	5F06001-03	Soil	06/03/05 10:25	06/06/05 08:05
W-HDR-NW/SW	5F06001-04	Soil	06/03/05 11:05	06/06/05 08:05
W-HDR-N/SW	5F06001-05	Soil	06/03/05 11:20	06/06/05 08:05
W-HDR-S/SW	5F06001-06	Soil	06/03/05 10:15	06/06/05 08:05
W-EXCV-FLR	5F06001-07	Soil	06/03/05 11:45	06/06/05 08:05
W-HDR-W/SW	5F06001-08	Soil	06/03/05 10:45	06/06/05 08:05
E-HDR-E/SW	5F06001-09	Soil	06/03/05 12:00	06/06/05 08:05
E-HDR-N/SW	5F06001-10	Soil	06/03/05 12:15	06/06/05 08:05
E-HDR-S/SW	5F06001-11	Soil	06/03/05 12:30	06/06/05 08:05
E-HDR-FLR	5F06001-12	Soil	06/03/05 11:45	06/06/05 08:05

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
06/08/05 15:58

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RP (5F06001-01) Soil									
Benzene	0.0494	0.0250	mg/kg dry	25	EF50602	06/06/05	06/06/05	EPA 8021B	
Toluene	0.238	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.220	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.340	0.0250	"	"	"	"	"	"	
Xylene (o)	0.229	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		123 %	80-120		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		119 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	1490	10.0	mg/kg dry	1	EF50601	06/06/05	06/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	8240	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	9730	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		103 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		125 %	70-130		"	"	"	"	
HDR FLR (5F06001-02) Soil									
Benzene	0.201	0.0250	mg/kg dry	25	EF50602	06/06/05	06/06/05	EPA 8021B	
Toluene	7.59	0.0250	"	"	"	"	"	"	
Ethylbenzene	3.35	0.0250	"	"	"	"	"	"	
Xylene (p/m)	15.1	0.0250	"	"	"	"	"	"	
Xylene (o)	6.13	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		326 %	80-120		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		139 %	80-120		"	"	"	"	S-04
Gasoline Range Organics C6-C12	2070	10.0	mg/kg dry	1	EF50601	06/06/05	06/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	10500	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	12600	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		115 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		90.6 %	70-130		"	"	"	"	
W-HDR-FLR (5F06001-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF50602	06/06/05	06/06/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	J [0.0154]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	0.0858	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0463	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	EF50601	06/06/05	06/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

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Page 2 of 13

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
06/08/05 15:58

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-HDR-FLR (5F06001-03) Soil									
Surrogate: 1-Chlorooctane		96.0 %	70-130		EF50601	06/06/05	06/06/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		101 %	70-130		"	"	"	"	
W-HDR-NW/SW (5F06001-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF50602	06/06/05	06/07/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0278	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		88.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		116 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF50601	06/06/05	06/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		79.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		96.6 %	70-130		"	"	"	"	
W-HDR-N/SW (5F06001-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF50602	06/06/05	06/06/05	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		104 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF50601	06/06/05	06/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	21.3	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	21.3	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		80.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		96.2 %	70-130		"	"	"	"	

Environmental Lab of Texas

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Page 3 of 13

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
06/08/05 15:58

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-HDR-S/SW (5F06001-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF50602	06/06/05	06/07/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.3 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		115 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF50601	06/06/05	06/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		86.4 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		87.6 %	70-130		"	"	"	"	
W-EXCV-FLR (5F06001-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF50602	06/06/05	06/07/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		86.7 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF50601	06/06/05	06/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		89.2 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		97.4 %	70-130		"	"	"	"	
W-HDR-W/SW (5F06001-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF50602	06/06/05	06/07/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		80.3 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF50601	06/06/05	06/07/05	EPA 8015M	
Diesel Range Organics >C12-C35	42.3	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	42.3	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
06/08/05 15:58

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-HDR-W/SW (5F06001-08) Soil									
Surrogate: 1-Chlorooctane		80.2 %	70-130		EF50601	06/06/05	06/07/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		100 %	70-130		"	"	"	"	
E-HDR-E/SW (5F06001-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF50602	06/06/05	06/07/05	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		90.1 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF50601	06/06/05	06/07/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		89.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		108 %	70-130		"	"	"	"	
E-HDR-N/SW (5F06001-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF50602	06/06/05	06/07/05	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		91.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF50601	06/06/05	06/07/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		78.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		97.0 %	70-130		"	"	"	"	

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
06/08/05 15:58

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E-HDR-S/SW (5F06001-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF50602	06/06/05	06/07/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	J [0.0237]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	J [0.0210]	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		93.1 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.6 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	34.3	10.0	mg/kg dry	1	EF50601	06/06/05	06/07/05	EPA 8015M	
Diesel Range Organics >C12-C35	323	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	357	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		93.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		114 %	70-130		"	"	"	"	
E-HDR-FLR (5F06001-12) Soil									
Benzene	J [0.0213]	0.0250	mg/kg dry	25	EF50602	06/06/05	06/07/05	EPA 8021B	J
Toluene	0.0423	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0715	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.156	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0357	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		116 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	21.4	10.0	mg/kg dry	1	EF50601	06/06/05	06/07/05	EPA 8015M	
Diesel Range Organics >C12-C35	481	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	502	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		87.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		107 %	70-130		"	"	"	"	

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
06/08/05 15:58

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RP (5F06001-01) Soil									
% Moisture	11.3	0.1	%	1	EF50701	06/06/05	06/07/05	% calculation	
HDR FLR (5F06001-02) Soil									
% Moisture	9.3	0.1	%	1	EF50701	06/06/05	06/07/05	% calculation	
W-HDR-FLR (5F06001-03) Soil									
% Moisture	10.6	0.1	%	1	EF50701	06/06/05	06/07/05	% calculation	
W-HDR-NW/SW (5F06001-04) Soil									
% Moisture	11.1	0.1	%	1	EF50701	06/06/05	06/07/05	% calculation	
W-HDR-N/SW (5F06001-05) Soil									
% Moisture	11.9	0.1	%	1	EF50701	06/06/05	06/07/05	% calculation	
W-HDR-S/SW (5F06001-06) Soil									
% Moisture	9.2	0.1	%	1	EF50701	06/06/05	06/07/05	% calculation	
W-EXCV-FLR (5F06001-07) Soil									
% Moisture	13.9	0.1	%	1	EF50701	06/06/05	06/07/05	% calculation	
W-HDR-W/SW (5F06001-08) Soil									
% Moisture	8.6	0.1	%	1	EF50701	06/06/05	06/07/05	% calculation	
E-HDR-E/SW (5F06001-09) Soil									
% Moisture	11.1	0.1	%	1	EF50701	06/06/05	06/07/05	% calculation	
E-HDR-N/SW (5F06001-10) Soil									
% Moisture	9.9	0.1	%	1	EF50701	06/06/05	06/07/05	% calculation	
E-HDR-S/SW (5F06001-11) Soil									
% Moisture	14.2	0.1	%	1	EF50701	06/06/05	06/07/05	% calculation	

Environmental Lab of Texas

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Plains All American EH & S
1301 S. County Road 1150
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Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
06/08/05 15:58

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E-HDR-FLR (SF06001-12) Soil									
% Moisture	9.7	0.1	%	1	EF50701	06/06/05	06/07/05	% calculation	

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
06/08/05 15:58

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 EF50601 - Solvent Extraction (GC)										
Blank (EF50601-BLK1)				Prepared & Analyzed: 06/06/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	36.3		mg/kg	50.0		72.6	70-130			
Surrogate: 1-Chlorooctadecane	38.5		"	50.0		77.0	70-130			
LCS (EF50601-BS1)				Prepared & Analyzed: 06/06/05						
Gasoline Range Organics C6-C12	445	10.0	mg/kg wet	500		89.0	75-125			
Diesel Range Organics >C12-C35	459	10.0	"	500		91.8	75-125			
Total Hydrocarbon C6-C35	904	10.0	"	1000		90.4	75-125			
Surrogate: 1-Chlorooctane	36.1		mg/kg	50.0		72.2	70-130			
Surrogate: 1-Chlorooctadecane	37.2		"	50.0		74.4	70-130			
Calibration Check (EF50601-CCV1)				Prepared & Analyzed: 06/06/05						
Gasoline Range Organics C6-C12	471		mg/kg	500		94.2	80-120			
Diesel Range Organics >C12-C35	494		"	500		98.8	80-120			
Total Hydrocarbon C6-C35	965		"	1000		96.5	80-120			
Surrogate: 1-Chlorooctane	49.2		"	50.0		98.4	70-130			
Surrogate: 1-Chlorooctadecane	46.4		"	50.0		92.8	70-130			
Matrix Spike (EF50601-MS1)				Source: 5F06001-09	Prepared: 06/06/05 Analyzed: 06/07/05					
Gasoline Range Organics C6-C12	558	10.0	mg/kg dry	562	ND	99.3	75-125			
Diesel Range Organics >C12-C35	592	10.0	"	562	ND	105	75-125			
Total Hydrocarbon C6-C35	1150	10.0	"	1120	ND	103	75-125			
Surrogate: 1-Chlorooctane	53.4		mg/kg	50.0		107	70-130			
Surrogate: 1-Chlorooctadecane	56.5		"	50.0		113	70-130			
Matrix Spike Dup (EF50601-MSD1)				Source: 5F06001-09	Prepared: 06/06/05 Analyzed: 06/07/05					
Gasoline Range Organics C6-C12	533	10.0	mg/kg dry	562	ND	94.8	75-125	4.58	20	
Diesel Range Organics >C12-C35	586	10.0	"	562	ND	104	75-125	1.02	20	
Total Hydrocarbon C6-C35	1120	10.0	"	1120	ND	100	75-125	2.64	20	
Surrogate: 1-Chlorooctane	53.9		mg/kg	50.0		108	70-130			
Surrogate: 1-Chlorooctadecane	56.4		"	50.0		113	70-130			

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
06/08/05 15:58

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EF50602 - EPA 5030C (GC)									
Blank (EF50602-BLK1)									
				Prepared: 06/06/05 Analyzed: 06/07/05					
Benzene	ND	0.0250	mg/kg wet						
Toluene	ND	0.0250	"						
Ethylbenzene	ND	0.0250	"						
Xylene (p/m)	ND	0.0250	"						
Xylene (o)	ND	0.0250	"						
Surrogate: a,a,a-Trifluorotoluene	90.5		ug/kg	100		90.5	80-120		
Surrogate: 4-Bromofluorobenzene	106		"	100		106	80-120		
LCS (EF50602-BS1)									
				Prepared: 06/06/05 Analyzed: 06/07/05					
Benzene	102		ug/kg	100		102	80-120		
Toluene	94.5		"	100		94.5	80-120		
Ethylbenzene	98.2		"	100		98.2	80-120		
Xylene (p/m)	214		"	200		107	80-120		
Xylene (o)	106		"	100		106	80-120		
Surrogate: a,a,a-Trifluorotoluene	105		"	100		105	80-120		
Surrogate: 4-Bromofluorobenzene	117		"	100		117	80-120		
Calibration Check (EF50602-CCV1)									
				Prepared: 06/06/05 Analyzed: 06/07/05					
Benzene	103		ug/kg	100		103	80-120		
Toluene	99.2		"	100		99.2	80-120		
Ethylbenzene	90.1		"	100		90.1	80-120		
Xylene (p/m)	200		"	200		100	80-120		
Xylene (o)	93.4		"	100		93.4	80-120		
Surrogate: a,a,a-Trifluorotoluene	110		"	100		110	80-120		
Surrogate: 4-Bromofluorobenzene	119		"	100		119	80-120		
Matrix Spike (EF50602-MS1)									
			Source: 5F06001-09		Prepared: 06/06/05 Analyzed: 06/07/05				
Benzene	97.1		ug/kg	100	ND	97.1	80-120		
Toluene	95.1		"	100	ND	95.1	80-120		
Ethylbenzene	95.1		"	100	ND	95.1	80-120		
Xylene (p/m)	237		"	200	ND	118	80-120		
Xylene (o)	117		"	100	ND	117	80-120		
Surrogate: a,a,a-Trifluorotoluene	105		"	100		105	80-120		
Surrogate: 4-Bromofluorobenzene	115		"	100		115	80-120		

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

Project: Lynch Station
Project Number: EMS: 2004-00114
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
06/08/05 15:58

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
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Batch EF50602 - EPA 5030C (GC)

Matrix Spike Dup (EF50602-MSD1)	Source: 5F06001-09			Prepared: 06/06/05 Analyzed: 06/07/05						
Benzene	93.9		ug/kg	100	ND	93.9	80-120	3.35	20	
Toluene	91.2		"	100	ND	91.2	80-120	4.19	20	
Ethylbenzene	104		"	100	ND	104	80-120	8.94	20	
Xylene (p/m)	227		"	200	ND	114	80-120	3.45	20	
Xylene (o)	118		"	100	ND	118	80-120	0.851	20	
Surrogate: a,a,a-Trifluorotoluene	97.4		"	100		97.4	80-120			
Surrogate: 4-Bromofluorobenzene	113		"	100		113	80-120			

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Reported:
06/08/05 15:58

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 EF50701 - General Preparation (Prep)										
Blank (EF50701-BLK1)				Prepared: 06/06/05 Analyzed: 06/07/05						
% Moisture	ND	0.1	%							
Duplicate (EF50701-DUP1)				Source: 5F06001-01 Prepared: 06/06/05 Analyzed: 06/07/05						
% Moisture	10.7	0.1	%		11.3			5.45	20	

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Reported:
06/08/05 15:58

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

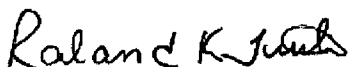
RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

6/8/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

**12600 West I-20 East
Odessa, Texas 79763**

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

1 of 2

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) 396-1429

Sampler Signature: Ken Dalton

Project Name: LYNCH STATION

Project #: EMS: 2004-00114

Project Loc: LEA COUNTY NM

PO #: PAA/C. REYNOLDS

LAB # (Lab. Use only)		FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative						Matrix		Analyze For:										RUSH TAT (Pre-Schedule)	Standard TAT									
						Ice	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (specify):	TPH: 418.1 80150 1005 1008	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTX 8021B/5030	PCI	M.O.M.	Total Gamma							
5F06001		RP	2005																															
01		RP	03 JUN	0955	1	X											X																	
02		HDR FLR		0945																														
03		W-HDR-FLR		1025																														
04		W-HDR-NW/SW		1105																														
05		W-HDR-N/SW		1120																														
06		W-HDR-S/SW		1015																														
07		W-EXECV-FLR		1145																														
08		W-HDR-W/SW		1045																														
09		E-HDR-E/SW		1200																														
10		E-HDR-N/SW		1215																														
Special Instructions:																		Sample Containers Intact? Y N										Temperature Upon Receipt						
Relinquished by: <i>Don H. Patton</i>						Date: <i>05/26/05</i> Time: <i>1620</i>						Received by: <i>James Johnson</i>						Date: <i>06/05/05</i> Time: <i>16.21</i>						Lab -2.0°C										
Relinquished by: <i>James Johnson</i>						Date: <i>6-6-05</i> Time: <i>8:05</i>						Received by: <i>Kalack 70</i>						Date: <i>6-6-05</i> Time: <i>0805</i>																

**12600 West I-20 East
Odessa, Texas 79763**

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

2 OF 2

Project Name: LYNCH STATION

Project #: EMS: 2004-00114

Project Loc: LEA COUNTY, NM

PO #: PAR/C. REYNOLDS

Fax No: (505) 396-1429

Sampler Signature: Ann Sutton

[illegible]

Environmental Lab of Texas

Variance / Corrective Action Report - Sample Log-In

Client: Plains

Date/Time: 4/6/05 0:10

Order #: 5F06001

Initials: ck

Sample Receipt Checklist

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

Other observations:

Variance Documentation:

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

Regarding: _____

Corrective Action Taken:

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 March 17, 1999

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Link Energy	Contact: Frank Hernandez	
Address PO Box 1660, 5805 East Highway 80 Midland, Texas 79702	Telephone No. 505.631.3095	
Facility Name Lynch Station Lusk A&B 8" Line #2004-00114	Facility Type 8" Steel Pipeline	
Surface Owner: Dan Berry	Mineral Owner	Lease No.


LOCATION OF RELEASE

Unit Letter B	Section 34	Township T20S	Range R34E	Feet from the	North/South Line	Feet from the	East/West Line	County: Lea
-------------------------	----------------------	-------------------------	----------------------	---------------	------------------	---------------	----------------	--------------------

Latitude: **32° 31' 59.884"N** Longitude: **103° 32' 48.606"W**

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 175 barrels	Volume Recovered 125 barrels
Source of Release 8" Steel Pipeline	Date and Hour of Occurrence 4-1-04 @ 5:00 AM	Date and Hour of Discovery 4-1-04 @ 6:30 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Larry Johnson	
By Whom? Pat McCasland, EPI	Date and Hour 4-1-04 @ 10:00 AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	
If a Watercourse was Impacted, Describe Fully.* NA		
Describe Cause of Problem and Remedial Action Taken.* 8" Steel Pipeline / The leak occurred when the line was inadvertently over pressured.		
Describe Area Affected and Cleanup Action Taken.* 9523 sqft 170' x 170': Site will be delineated and a remediation plan developed. Remedial Goals: TPH 8015m = 1000 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC 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: 	OIL CONSERVATION DIVISION	
Printed Name: Frank Hernandez	Approved by District Supervisor:	
E-mail Address: frank.hernandez@linkenergy.com	Approval Date:	Expiration Date:
Title: District Environmental Supervisor	Conditions of Approval:	Attached <input type="checkbox"/>
Date: April 1, 2004 Phone: 505.631.3095		

* Attach Additional Sheets If Necessary