Basin Environmental Service Technologies, LLC

P. O. Box 301
Lovington, New Mexico 88260
kdutton@basinenv.com
Office: (505) 396-2378 Fax: (505) 396-1429

Effective Solutions

PRELIMINARY SITE INVESTIGATION REPORT
and
REMEDIATION/CLOSURE PLAN

PLAINS MARKETING, L.P. (231735)
North Hobbs 8-Inch Site
Lea County, New Mexico
Plains SRS # 2006-059
UNIT M (SW/SW), Section 29, Township 18S, Range 38E
Latitude 32°, 42', 40.2" North, Longitude 103°, 10', 41.7" 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

RP#713

25 April 2006

Ken Dutton
Basin Environmental Service Technologies, LLC

incident - nPAC0605428056
application - pPAC0605428301

TABLE OF CONTENTS

Tables

Figures

Appendices

INTRODUCTION

Basin Environmental Service Technologies, LLC (Basin), responded to a pipeline release for Plains Marketing, L.P. (Plains), located on the North Hobbs 8-Inch Pipeline on 10 February 2006. Plains operations personnel contained and clamped the North Hobbs 8-Inch Pipeline on 09 February 2006 and the impacted soil was excavated and stockpiled on a 6-ml poly-liner adjacent to the excavation. The North Hobbs 8-Inch Pipeline right-of-way is located on land owned by R, M and S Enterprises.

This site is located in Unit M (SW/SW), Section 29, Township 18 South, Range 38 East, in Lea County, New Mexico (topographic Site Location Map is attached as Figure 1). The site latitude is 32°, 42', 40.2" North and the site longitude is 103°, 10', 41.7" West. The site is characterized by a right-of-way for the pipeline in a pasture adjacent to commercial businesses to the east and oil production facilities to the north and west. The initial visible surface stained area includes the release point covering an area approximately 20 feet long by 20 feet wide. An estimated 10 barrels of crude oil were released from the North Hobbs 8-Inch Pipeline and 0 barrels were recovered.

An emergency one-call was initiated 09 February 2006 and all responding companies either cleared or marked their respective lines. Subsequent renewals of the one-call have been accomplished as required.

Ms Pat Caperton, New Mexico Oil Conservation Division (NMOCD), Hobbs, New Mexico District I was verbally notified of the release on 09 February 2006. A NMOCD C-141 was prepared and delivered to Ms Pat Caperton on 14 February 2006 (see Appendix D, NMOCD C-141).

SUMMARY OF FIELD ACTIVITIES

Basin mobilized to the pipeline release site to initiate soil remediation activities on 10 February 2006, located on the North Hobbs 8-Inch Pipeline after Plains operations personnel clamped and secured the pipeline release on 09 February 2006. After the crude oil release had been contained utilizing a pipeline repair clamp, excavation of the impacted soil was accomplished (see Figure 2, Excavation Site Map). The North Hobbs 8-Inch Pipeline was de-oiled and removed from the excavated area under the direction of Plains operations personnel following the crude oil release. The release point and visually stained area was excavated to approximately 110 feet long by 75 feet wide and 18 feet below ground surface (bgs). An estimated 3500 cubic yards of excavated soils were placed on a 6-ml poly liner adjacent to the excavation for future remedial action. Approximately 2500 cubic yards of segregated clean overburden have been excavated and stockpiled on-site.

On 28 February 2006, soil samples were collected from the walls and delineation trench on the floor of the excavation. The four (4) soil samples were analyzed for

total petroleum hydrocarbons – gasoline range organics/diesel range organics (TPH-GRO/DRO). Laboratory results of the soil samples collected indicated that TPH-GRO/DRO constituent concentrations exceeded NMOCD regulatory standards for three (3) soil samples and were not detected above laboratory method detection limits for the remaining soil sample. Based on the laboratory results, excavation of the crude oil release site continued.

On 08 March 2006, a soil boring was installed at the release point on the excavation floor (18 feet bgs) to a depth of 58 feet bgs to evaluate the vertical impact of the crude oil release. Soil samples were collected at 5 feet intervals, field screened with a Photoionization Detector (PID) and the selected soils samples were analyzed for constituent concentrations of benzene, toluene, ethylbenzene, and xylenes (BTEX) and TPH-GRO/DRO. Laboratory results indicated that the eight (8) soil samples were below NMOCD regulatory standards for concentrations of BTEX and exceeded NMOCD regulatory standards for TPH-GRO/DRO on seven (7) of the eight (8) soil samples. Groundwater was encountered at approximately 56 feet bgs and a groundwater sample was collected and analyzed for BTEX. Laboratory results indicated the groundwater sample was below NMOCD regulatory standards for constituent concentrations of BTEX.

On 13 and 14 March 2006, at the request of Hobbs NMOCD District 1, three (3) groundwater monitor wells were installed, one (1) up gradient and two (2) down gradient of the release point to evaluate the groundwater (see Figure 4, Excavation Site Map – Soil Boring & Monitoring Well Locations). Soil samples were collected at 5 feet intervals; field screened with a PID and selected soils samples were analyzed for constituent concentrations of BTEX and TPH-GRO/DRO. Six (6) soil samples were selected for analysis from each of the three (3) groundwater monitoring well installations ranging in depth from 5 to 55 feet bgs, resulting in a total of eighteen (18) soil samples. Laboratory results of the eighteen (18) soil samples indicated that constituent concentrations of BTEX and TPH-GRO/DRO were not detected above laboratory method detection limits.

On 16 and 17 March 2006, the three (3) groundwater monitoring wells were developed, purged and sampled. Additionally, the TFH domestic water well adjacent to the release site was sampled. The groundwater samples were analyzed for constituent concentrations of BTEX and Chlorides. Laboratory results of the three (3) groundwater monitoring wells and TFH domestic well groundwater samples indicated constituent concentrations of BTEX were not detected above laboratory method detection limits and below NMOCD regulatory standards for Chlorides.

On 27 March 2006, confirmation soil samples were collected from the floor and walls of the excavated area (see Figure 3, Excavation Site Map- Soil Sampling Locations). The soil samples were field screened with a PID and analyzed for BTEX and TPH-GRO/DRO. Laboratory results of the eight (8) soil samples collected from the floor and walls of the excavation indicated that TPH-GRO/DRO and BTEX constituent

concentrations were either below NMOCD regulatory standards or were not detected above laboratory method detection limits.

NEW MEXICO OIL CONSERVATION DIVISION (NMOCD) SOIL CLASSIFICATION

A search of the New Mexico State Engineers database revealed the average depth to groundwater to be 59 feet bgs for that section, township and range. Based on the installation of the soil boring and three (3) groundwater monitoring wells, the depth to groundwater (59 feet bgs) is accurate. There are no surface water bodies within 1000 feet, however; there is a domestic water well (TFH commercial business) within 1000 feet of the release site. Based on this data, the site has an NMOCD Ranking Score of >19, which sets the remediation levels at:

Benzene:	10 ppm
BTEX:	50 ppm
TPH:	100 ppm

DISTRIBUTION OF HYDROCARBONS IN THE UNSATURATED ZONE

The original release point and visually stained area was excavated to approximately 110 feet long by 75 feet wide and to a depth of approximately 18 feet bgs. Evidence of crude oil impact still existed on the excavation floor beneath the release point area. Photoionization Detector (PID) readings and laboratory results indicated elevated concentrations of Volatile Organic Compounds (VOC) remain. Approximately 3500 cubic yards of impacted soil was excavated and stockpiled adjacent to the excavation on a 6-ml poly-liner and approximately 2500 cubic yards of segregated clean overburden was excavated and stockpiled on-site.

On 28 February 2006, delineation soil samples were collected from the walls and delineation trench on the floor of the excavation. The four (4) soil samples were field screened with a PID and analyzed for constituent concentrations of TPH-GRO/DRO. The four (4) soil samples were collected at depths ranging from 13 to 30 feet bgs. Laboratory results of the soil samples collected indicated that TPH-GRO/DRO constituent concentrations exceeded NMOCD regulatory standards on the floor delineation trench at 30 feet bgs, south wall and west wall soil samples at 970 mg/kg, 909 mg/kg and 1530 mg/kg, respectively. The east wall soil sample was not detected above laboratory method detection limits for constituent concentrations of TPH-GRO/DRO.

Soil Boring 1, as depicted on the Excavation Site Map - Soil Boring & Monitoring Well Locations (Figure 4), was installed on the floor of the excavation at approximately 18 feet bgs at the release point utilizing an air rotary drill rig operated by Straub Corporation, Stanton, Texas. Soil samples collected at 5, 10, 15, 20, 25, 30, 35 and 40 feet bgs subsurface sample depths were submitted for analysis. Soil boring logs

are included in Appendix C. No visual observations of free phase hydrocarbons were encountered during the installation of the soil boring. Laboratory data sheets and chain-of-custody forms are attached in Appendix B. Laboratory results indicated that the 5, 10, 15, 20, 25 30 and 35 feet bgs soil samples were below NMOCD regulatory standards for constituent concentrations of BTEX and were not detected above laboratory method detection limits for the 40 feet bgs soil sample. Laboratory results indicated that the 5, 10, 15, 20, 25, 30 and 35 feet bgs soils samples exceeded NMOCD regulatory standards for constituent concentrations of TPH-GRO/DRO at 4210 mg/kg, 5220 mg/kg, 1820 mg/kg, 258 mg/kg, 465 mg/kg, 218 mg/kg and 144 mg/kg, respectively. The 40 feet subsurface soil sample was not detected above laboratory method detection limits for constituent concentrations of TPH-GRO/DRO.

Groundwater Monitoring Well 1 (MW-1) was installed at an up gradient position to the release point. Subsurface soil samples were collected at 5, 15, 25, 35, 45 and 55 feet bgs sample depths and field screened with a PID and submitted for analysis. Laboratory results of the six (6) selected soil samples indicated that constituent concentrations of BTEX and TPH-GRO/DRO were not detected above laboratory method detection limits.

Groundwater Monitoring Well 2 (MW-2) was installed at a down gradient position to the release point. Subsurface soil samples were collected at 5, 15, 25, 35, 45 and 55 feet bgs sample depths and field screened with a PID and submitted for analysis. Laboratory results of the six (6) selected soil samples indicated that constituent concentrations of BTEX and TPH-GRO/DRO were not detected above laboratory method detection limits.

Groundwater Monitoring Well 3 (MW-3) was installed at a down gradient position to the release point. Subsurface soil samples were collected at 5, 15, 25, 35, 45 and 55 feet bgs sample depths and field screened with a PID and submitted for analysis. Laboratory results of the six (6) selected soil samples indicated that constituent concentrations of BTEX and TPH-GRO/DRO were not detected above laboratory method detection limits.

On 27 March 2006, eight (8) confirmation soil samples were collected from the walls and floor of the excavation following additional excavation at depths ranging from 12 to 18 feet, respectively, and submitted for analysis. Soil sample locations are included in Figure 3. Analytical results of the eight (8) confirmation soil samples indicated that constituent concentrations of BTEX and TPH-GRO/DRO were not detected above laboratory method detection limits, with the exception of the south wall soil sample, which indicated detectable TPH-GRO/DRO concentrations, but were below NMOCD regulatory standards.

DISTRIBUTION OF HYDROCARBONS IN THE SATURATED ZONE

Groundwater was encountered at depths varying from 55 to 56 feet bgs in the soil boring and groundwater monitoring wells during drilling activities. No evidence of phase-separated hydrocarbons (PSH) was detected during drilling or groundwater sampling activities. Top-of-casing elevations for the on-site groundwater monitoring wells were not available at the time of this preliminary report; therefore, site-specific groundwater gradient information is not included.

On 16 and 17 March 2006, the three (3) groundwater monitoring wells were developed, purged and sampled. Additionally, the TFH domestic water well adjacent to the release site was sampled. The groundwater samples were analyzed for constituent concentrations of BTEX and Chlorides. Laboratory results of the three (3) groundwater monitoring wells and TFH domestic well groundwater samples indicated constituent concentrations of BTEX were not detected above laboratory method detection limits and below NMOCD regulatory standards for Chlorides (see Groundwater Chemistry, Table 2).

RECOMMENDATIONS FOR REMEDIATION/CLOSURE

Approximately 3500 cubic yards of impacted soil and caliche rock and approximately 2500 cubic yards of segregated clean overburden and caliche rock have been excavated and stockpiled on-site resulting from the emergency response and excavation of the release point and flow path. Approximately 75% of the excavated material consists of caliche rock. Due to the extremely high content of caliche rock and limited vertical subsurface crude oil impact, Plains proposes to mechanically screen the impacted stockpile to separate the caliche rock and soil. Upon completion of the screening activities, the caliche rock will be utilized as partial backfill in accordance with standard NMOCD approved practices. The impacted mechanically screened soil will be transported to the Plains Lea Station Landfill for remediation.

Due to the limited vertical crude oil impact derived from analytical results commensurate with excavation and drilling activities, Plains recommends that an impermeable barrier consisting of a 40-mil poly liner be permanently installed at the base of the excavation to inhibit vertical migration of contaminants in soil left in place below the cap (see Figure 5, Installation Diagram of 40-mil Poly Liner). The barrier will extend to a minimum of three (3) feet beyond the edges of soil impacted above NMOCD remedial thresholds. A 6-inch layer of fine sand will be installed beneath and above the 40-mil poly liner to prevent degrading the integrity of the poly liner. Installation of the 40-mil poly liner at a depth of 18 feet bgs will protect the barrier from erosion and human intrusion for a term sufficient to allow natural biodegrading of contaminates in the soil.

Once the installation of the 40-mil poly liner is completed, backfilling of the excavation will be initiated with the segregated clean overburden and mechanically screened caliche rock. Soil samples will be collected from the overburden materials at a rate of

one sample per 500 cubic yards to verify constituent concentrations of BTEX and TPH-GRO/DRO are below NMOCD regulatory standards of 100 mg/kg. If necessary, Plains will purchase clean backfill to complete the excavation. The backfilled excavation will be contoured to the original grade surrounding the site and reseeded with approved grass seed.

A request for closure will be submitted to the Hobbs District I office, upon completion of backfilling activities. Based on the results of the remediation activities conducted, Plains requests approval from NMOCD to implement these proposed final remediation and site closure activities.

Based on the results of the groundwater sampling event, Plains request permission from the NMOCD to plug and abandon the three (3) groundwater monitoring wells located at the site. The wells will be plugged in accordance with NMOCD prescribed procedures of cutting the casing off below ground surface level and filling the casing annulus from bottom to top with a cement grout containing 3-5% bentonite.

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

Groundwater Sampling

The groundwater monitoring wells were developed utilizing the Environmental Protection Agency (EPA) protocol of approximately nine well volumes of groundwater or until the monitoring wells are dry using an electrical Grundfos Pump. Within forty-eight hours of development, the monitoring wells were measured and purged of approximately three well volumes utilizing an electrical Grundfos Pump. Groundwater samples were collected using a disposable Teflon sampler and the groundwater samples were stored in clean, glass containers provided by the laboratory and placed on ice in the field. Purged water was collected in a polystyrene tank and disposed of at a licensed New Mexico disposal facility. Groundwater samples were delivered to Environmental Lab of Texas, Odessa, Texas for analysis of BTEX and Chloride concentrations using the methods described below. All samples were analyzed within approved holding times following the collection date.

- BTEX concentrations in accordance with EPA Method 8821B/5030
- Chloride concentrations in accordance with EPA Method 300.0

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

Copy 1: Jeff Dann
Plains All American
333 Clay Street
Suite 1600
Houston, Texas 77002
jpdann@paalp.com

Copy 2: Camille Reynolds
Plains All American
3112 West Highway 82
Lovington, New Mexico 88260
cjreynolds@paalp.com

Copy 3: Mr. Larry Johnson
New Mexico Oil Conservation Division
1625 N. French Dr.
Hobbs, New Mexico 88240
Larry.Johnson@state.nm.us

Copy 4: R, M & S Enterprises
Hobbs, New Mexico 88240

Copy 5: Basin Environmental Service Technologies LLC
P. O. Box 301
Lovington, New Mexico 88260
kdutton@basinenv.com

Copy _____

TABLE 1
SOIL CHEMISTRY

PLAINS MARKETING L.P.
NORTH HOBBS 8-INCH
LEA COUNTY, NEW MEXICO
PLAINS SRS: 2006-059

SAMPLE LOCATION	SAMPLE DEPTH (Below Normal Surface Grade)	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M		TOTAL TPH	METHOD 300 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)
Floor @ 30'	30' bgs	02/28/06						96.5	873	970	
East Wall	13' bgs	02/28/06						<10	<10	<10	
South Wall	16' bgs	02/28/06						22	887	909	
West Wall	16' bgs	02/28/06						107	1425	1530	
SB-1 5'	23' bgs	03/08/06	0.061	0.832	1.79	5.09	0.327	815	3398	4210	
SB-1 10'	28' bgs	03/08/06	0.045	0.606	1.03	2.07	0.684	921	4302	5220	
SB-1 15'	33' bgs	03/08/06	0.033	0.178	0.342	0.611	0.144	199	1622	1820	
SB-1 20	38' bgs	03/08/06	<0.025	<0.025	0.081	0.149	<0.025	11.8	246.3	258	
SB-1 25'	43' bgs	03/08/06	<0.025	<0.025	0.083	0.152	<0.025	22.6	442	465	
SB-1 30'	48' bgs	03/08/06	<0.025	0.056	0.081	0.150	<0.025	16.6	201	218	
SB-1 35'	53' bgs	03/08/06	<0.025	0.058	0.082	0.151	<0.025	<10.0	144	144	
SB-1 40'	58' bgs	03/08/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-1 5'	5' bgs	03/13/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-1 15'	15' bgs	03/13/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	10.9
MW-1 25'	25' bgs	03/13/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-1 35'	35' bgs	03/13/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-1 45'	45' bgs	03/13/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-1 55'	55' bgs	03/13/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-2 5'	5' bgs	03/13/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	

TABLE 1 (cont)
SOIL CHEMISTRY

PLAINS MARKETING L.P.
NORTH HOBBS 8-INCH
LEA COUNTY, NEW MEXICO
SRS: 2006-059

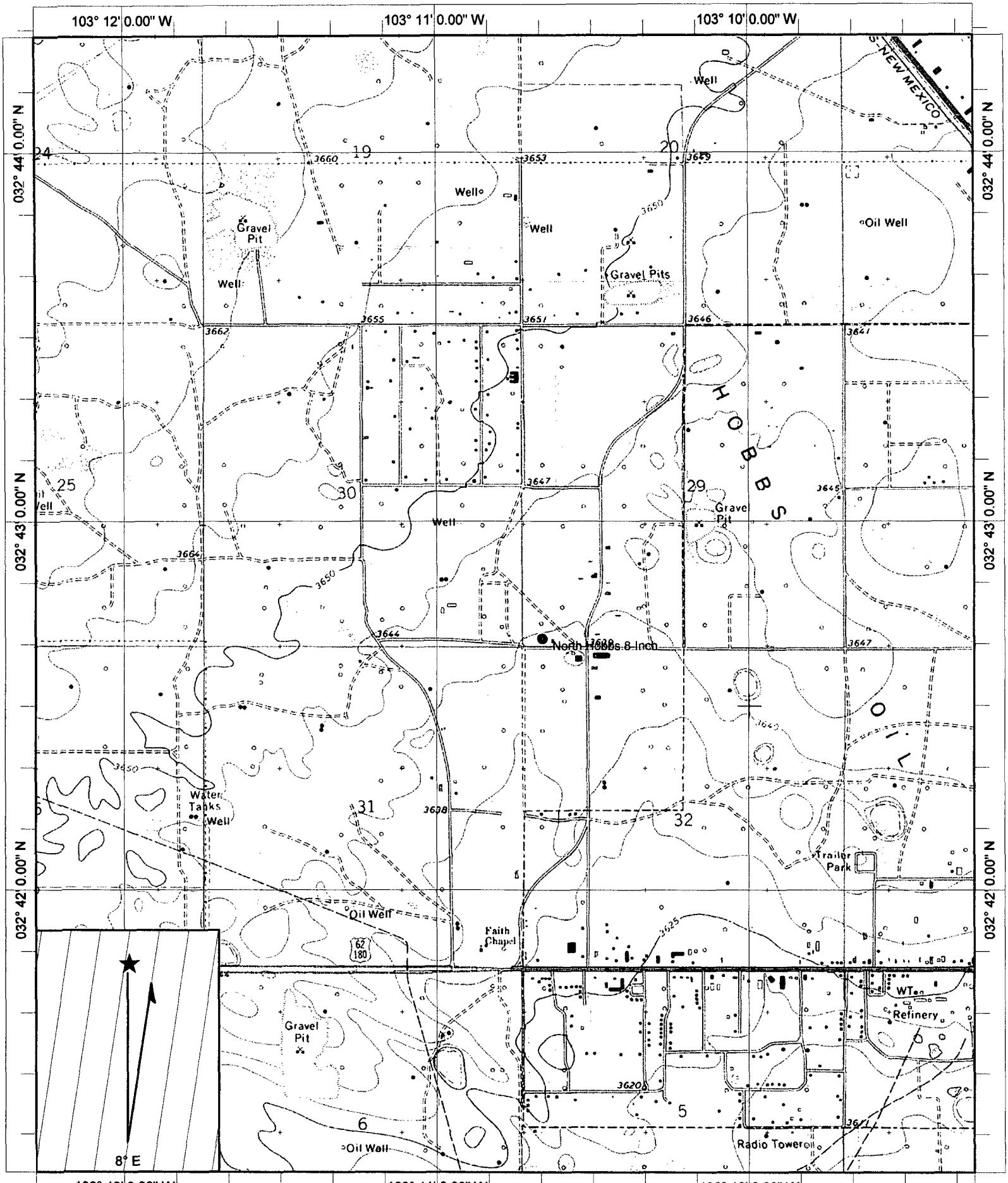
SAMPLE LOCATION	SAMPLE DEPTH (Below Normal Surface Grade)	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M		TOTAL TPH	METHOD 300 CHLORIDES
			BENZENE	TOLUENE	ETHYL-BENZENE	M,P-XYLENES	O-XYLENE	GRO	DRO		
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
MW-2 15'	15' bgs	03/13/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-2 25'	25' bgs	03/13/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-2 35'	35' bgs	03/13/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-2 45'	45' bgs	03/13/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-2 55'	55' bgs	03/13/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-3 5'	5' bgs	03/14/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-3 15'	15' bgs	03/14/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-3 25'	25' bgs	03/14/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-3 35'	35' bgs	03/14/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-3 45'	45' bgs	03/14/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
MW-3 55'	55' bgs	03/14/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
S/E Wall	12' bgs	03/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
S. Wall	13' bgs	03/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	12.9	12.9	
S/W Wall	13' bgs	03/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
W. Wall	15' bgs	03/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
N. Wall	13' bgs	03/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
N/E Wall	14' bgs	03/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
E. Wall	12' bgs	03/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
N. Exc. Flr	18' bgs	03/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
NMOCD CRITERIA			**10**	**TOTAL BTEX 50**						**100**	

TABLE 2

GROUND WATER CHEMISTRY

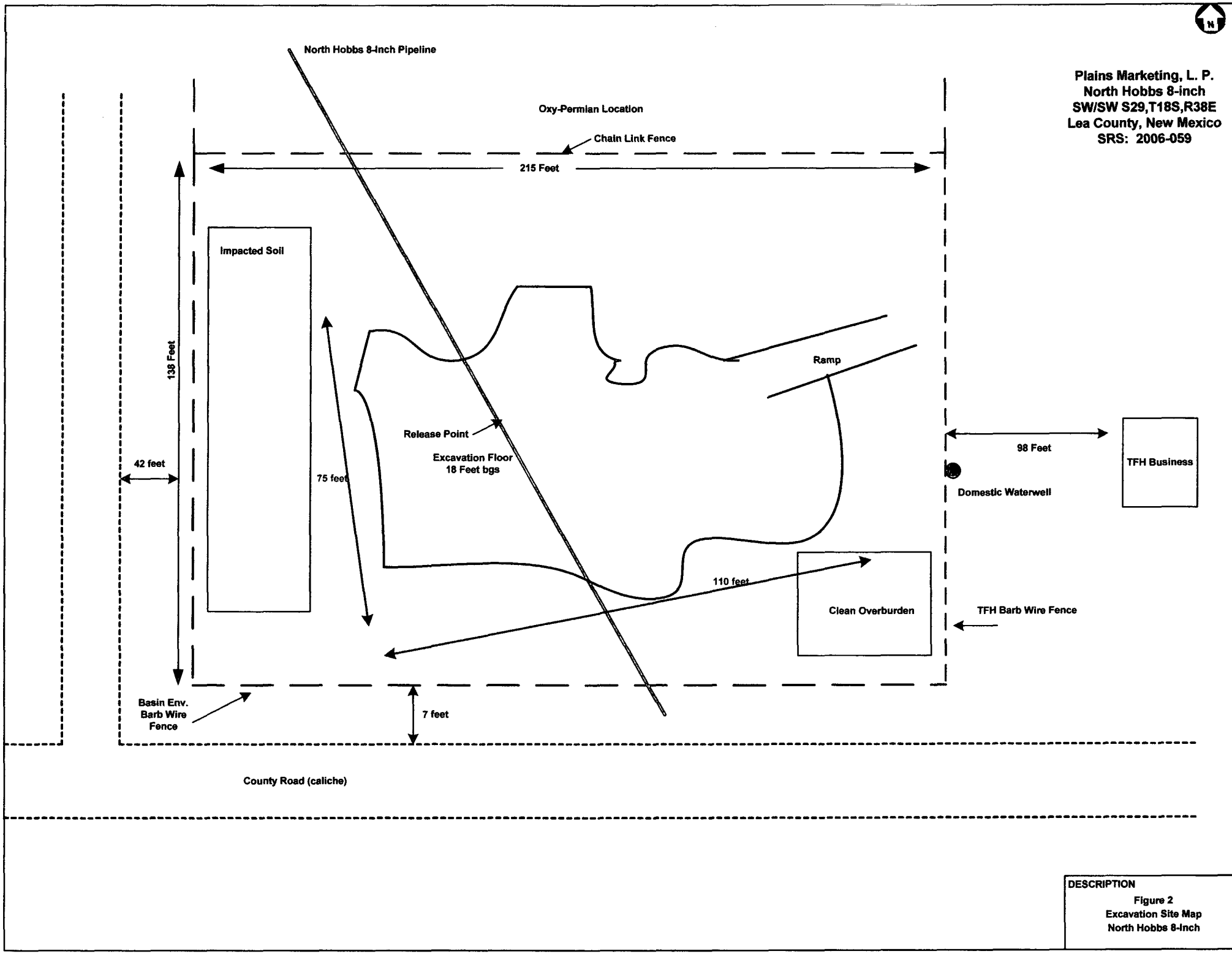
PLAINS MARKETING, L.P.
NORTH HOBBS 8-INCH
LEA COUNTY, NEW MEXICO
PLAINS SRS: 2006-059

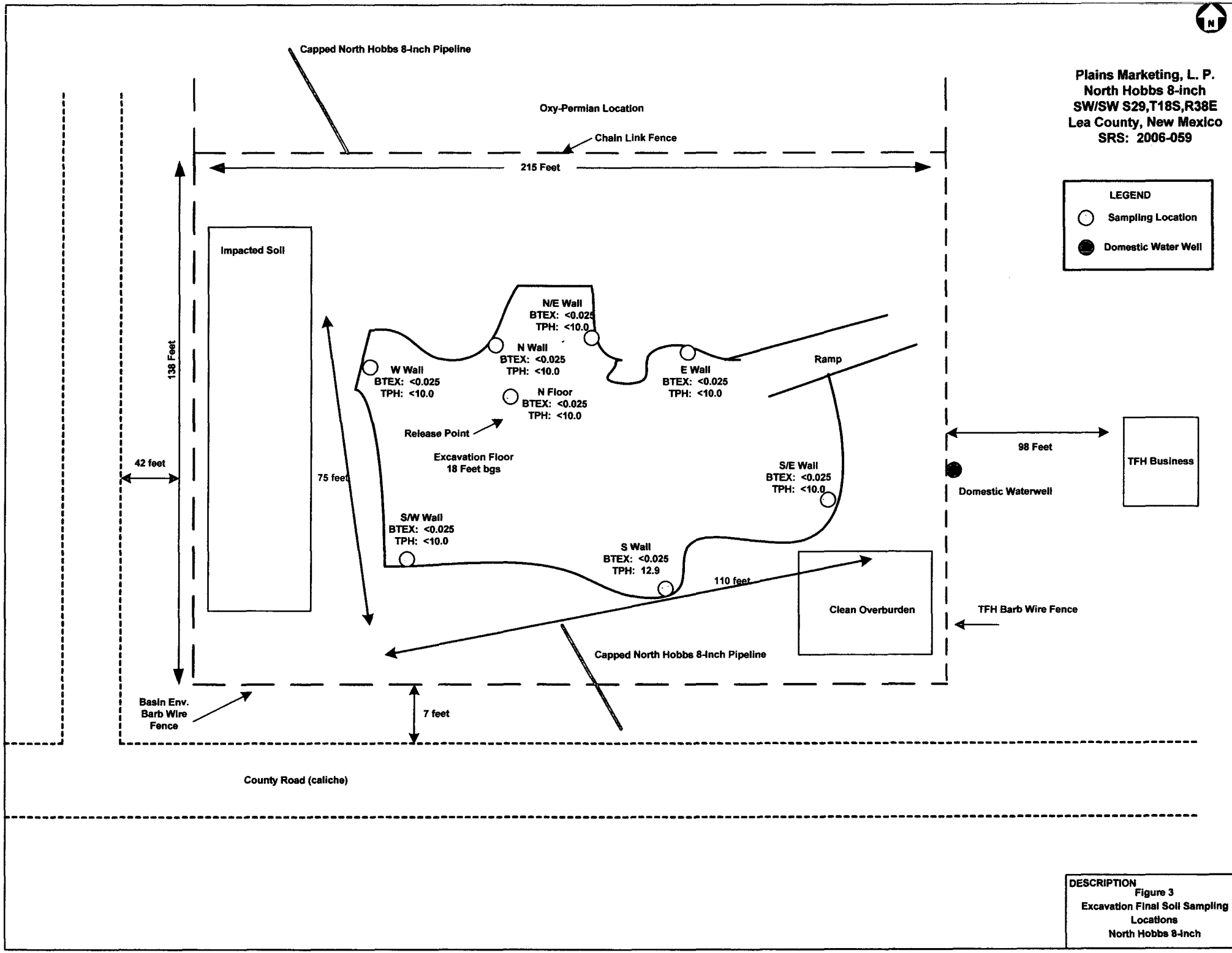
SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8021B, 5030					Method: 160.1	Method: 300.0
		BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	M,P-XYLENES (mg/L)	O-XYLENES (mg/L)	TDS (mg/L)	CHLORIDES (mg/L)
SB-1	03/08/06	<0.001	<0.001	0.003	0.006	<0.001		
MW-1	03/17/06	<0.001	<0.001	<0.001	<0.001	<0.001		45.7
MW-2	03/17/06	<0.001	<0.001	<0.001	<0.001	<0.001		64.0
MW-3	03/17/06	<0.001	<0.001	<0.001	<0.001	<0.001		69.0
TFH W/W	03/17/06	<0.001	<0.001	<0.001	<0.001	<0.001		86.0



Name: HOBBS WEST
Date: 4/22/2006
Scale: 1 inch equals 2000 feet

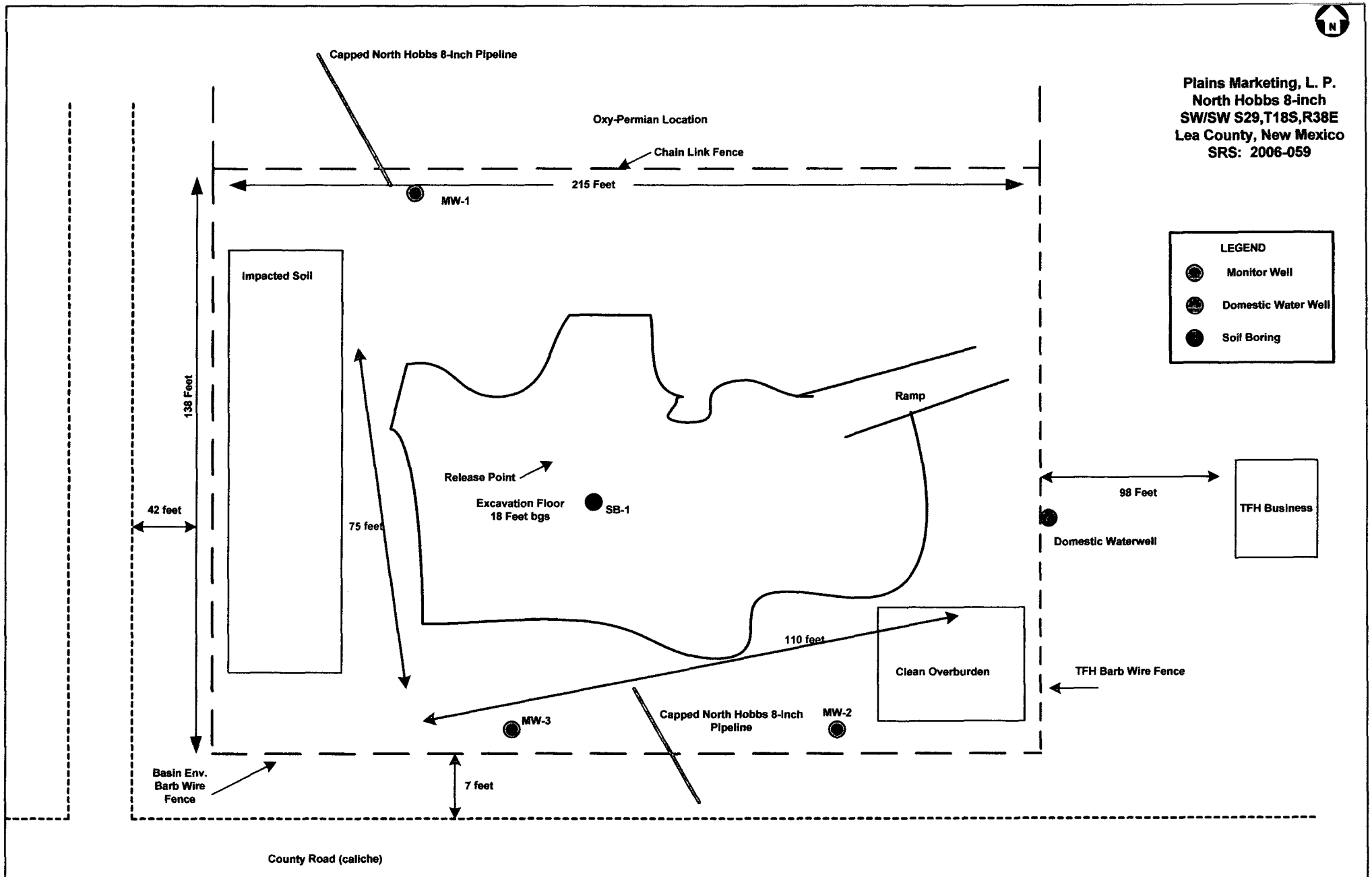
Location: 032° 42' 46.32" N 103° 10' 46.81" W
Caption: Figure 1, Site Location Map
Plains Marketing, L.P.
North Hobbs 8-Inch Pipeline
Plains SRS: 2006-059


North Hobbs 8-Inch Pipeline
Plains Marketing, L. P.
North Hobbs 8-inch
SW/SW S29,T18S,R38E
Lea County, New Mexico
SRS: 2006-059
Oxy-Permian Location
Chain Link Fence
215 Feet
Impacted Soil
138 Feet
Ramp
Release Point
Excavation Floor
18 Feet bgs
42 feet
75 feet
98 Feet
TFH Business
Domestic Waterwell
110 feet
Clean Overburden
TFH Barb Wire Fence
Basin Env.
Barb Wire
Fence
7 feet
County Road (caliche)
DESCRIPTION
Figure 2
Excavation Site Map
North Hobbs 8-Inch

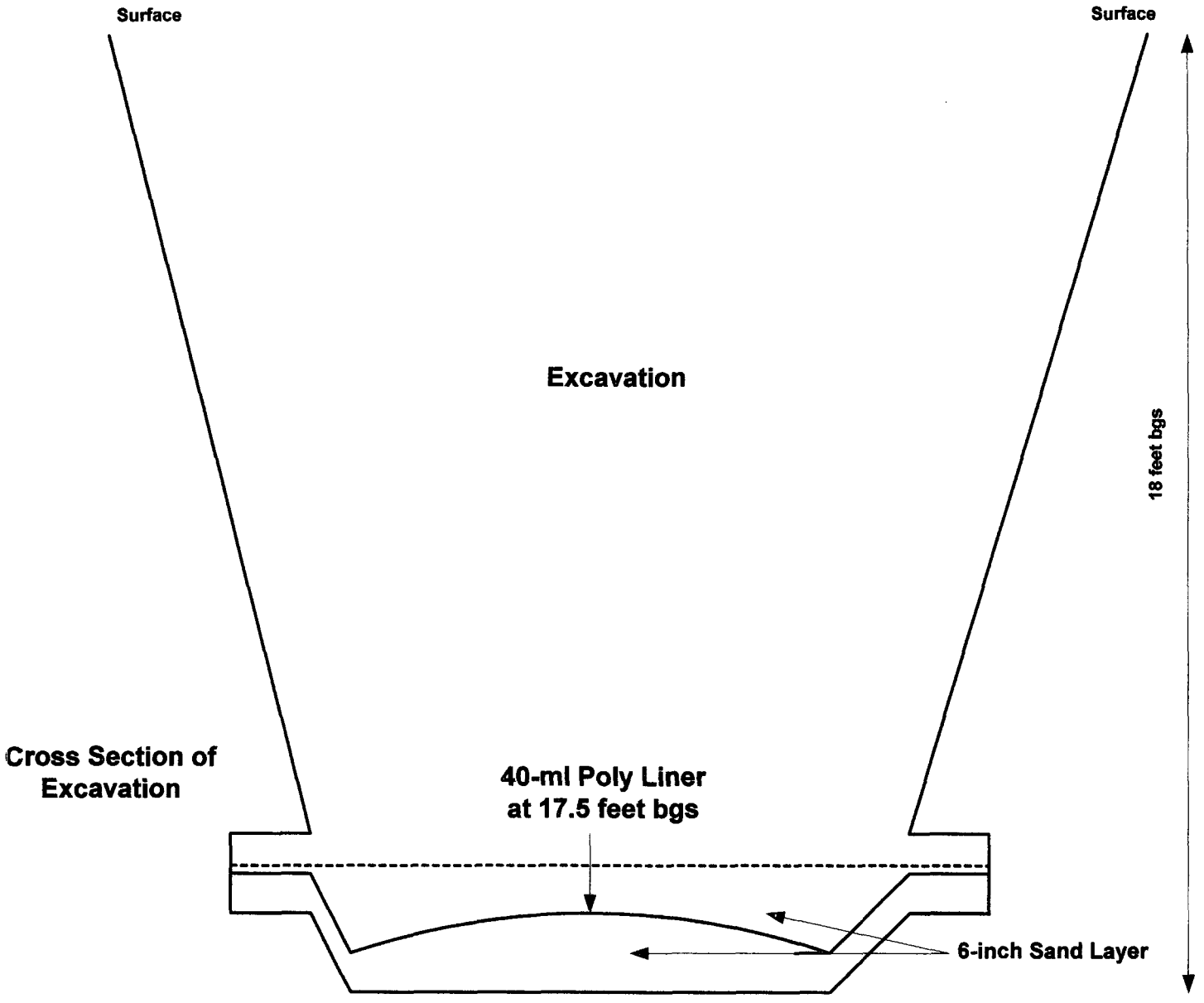


DESCRIPTION

Figure 3
Excavation Final Soil Sampling Locations
North Hobbs 8-Inch

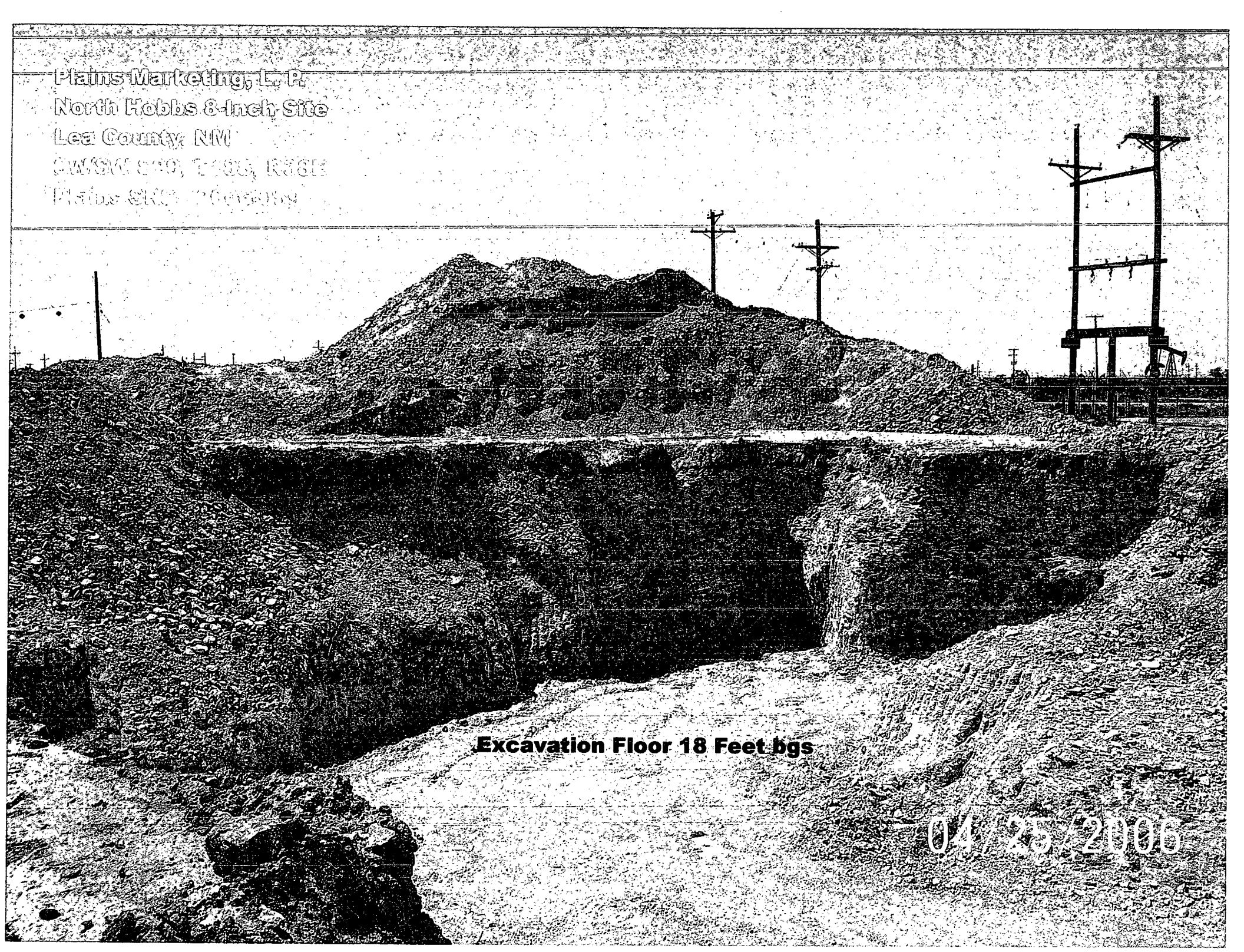

Capped North Hobbs 8-Inch Pipeline
Oxy-Permian Location
Chain Link Fence
215 Feet
MW-1
Impacted Soil
138 Feet
42 feet
75 feet
Release Point
Excavation Floor
18 Feet bgs
SB-1
Ramp
98 Feet
TFH Business
Domestic Waterwell
110 feet
Clean Overburden
TFH Barb Wire Fence
MW-3
Capped North Hobbs 8-Inch
Pipeline
MW-2
Basin Env.
Barb Wire
Fence
7 feet
County Road (caliche)
Plains Marketing, L. P.
North Hobbs 8-inch
SW/SW S29,T18S,R38E
Lea County, New Mexico
SRS: 2006-059
LEGEND
Monitor Well
Domestic Water Well
Soil Boring
DESCRIPTION
Figure 4
Soil Boring & Monitoring Well
Locations
North Hobbs 8-Inch

North Hobbs 8-Inch Site
Plains Marketing, L. P.
Lea County, New Mexico
SRS: 2006-059
40-ml Poly-Liner Installation Schematic



TITLE: Figure 5 North Hobbs 8-Inch Site	DATE: 21 April 2006
DRAWN BY: Basin Environmental Services KAD	LABEL: Installation of 40-ml Poly Liner

Plains Marketing, L. P.
North Hobbs 8-Inch Site
Lea County, NM
SWSW S10, T18S, R38E
Photo SRC: Pioneer

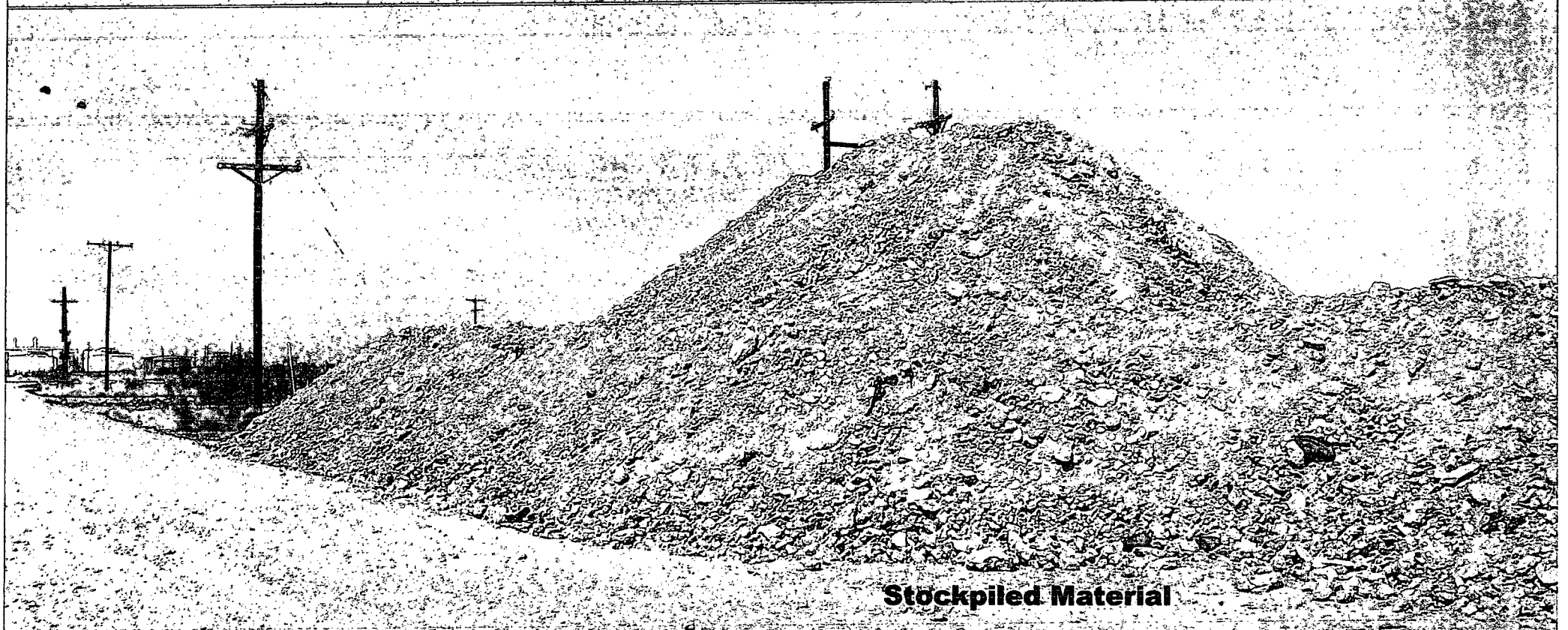


Excavation Floor 18 Feet bgs

04/28/2006


Plains Marketing, L. P.
North Hobbs 8-Inch Site
Lea County, NM
SW/SW S29, T18S, R38E
Plains SRS: 2006-059
04/25/2006

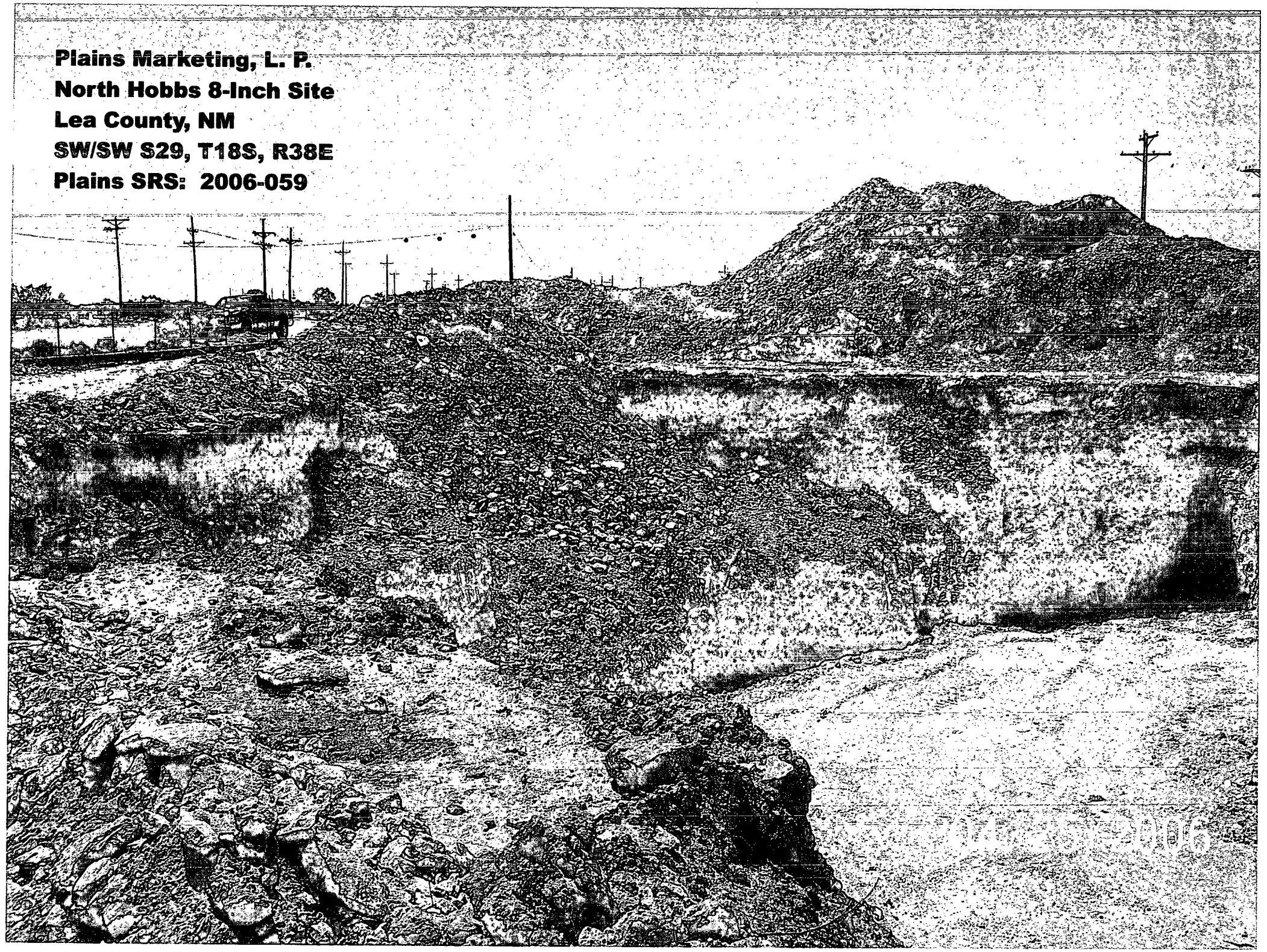
Plains Marketing, L. P.
North Hobbs 8-Inch Site
Lea County, NM
SW/SW S29, T18S, R38E
Plains SRS: 2006-059



Stockpiled Material

04/28/2006


Plains Marketing, L. P.
North Hobbs 8-Inch Site
Lea County, NM
SW/SW S29, T18S, R38E
Plains SRS: 2006-059
04/25/2006


Plains Marketing, L. P.
North Hobbs 8-Inch Site
Lea County, NM
SW/SW S29, T18S, R38E
Plains SRS: 2006-059

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 18S Range: 38E Sections: 29

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

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

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

Clear Form | iWATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 04/21/2006

							(Depth Water in Feet)		
Bsn	**Tws**	**Rng**	**Sec**	**Zone**	**X**	**Y**	**Wells**	**Min**	**Max**	**Avg**
L	18S	38E	29				34	38	120	59

Record Count: 34

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: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea Co., NM

Lab Order Number: 6C28009

Report Date: 04/03/06

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/03/06 14:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S/E Wall	6C28009-01	Soil	03/27/06 11:40	03/28/06 11:45
S. Wall	6C28009-02	Soil	03/27/06 11:44	03/28/06 11:45
S/W Wall	6C28009-03	Soil	03/27/06 11:52	03/28/06 11:45
W. Wall	6C28009-04	Soil	03/27/06 11:56	03/28/06 11:45
N. Wall	6C28009-05	Soil	03/27/06 12:01	03/28/06 11:45
N/E Wall	6C28009-06	Soil	03/27/06 12:05	03/28/06 11:45
E. Wall	6C28009-07	Soil	03/27/06 12:09	03/28/06 11:45
N. Exc. Flr.	6C28009-08	Soil	03/27/06 12:15	03/28/06 11:45

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

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S/E Wall (6C28009-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC63115	03/31/06	04/03/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC62819	03/28/06	03/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*112 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*116 %*	*70-130*		"	"	"	"	
S. Wall (6C28009-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC63115	03/31/06	04/02/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC62819	03/28/06	03/29/06	EPA 8015M	
Carbon Ranges C12-C28	**12.9**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**12.9**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
S/W Wall (6C28009-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC63115	03/31/06	04/02/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC62819	03/28/06	03/29/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S/W Wall (6C28009-03) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EC62819	03/28/06	03/29/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	
W. Wall (6C28009-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC63115	03/31/06	04/03/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC62819	03/28/06	03/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*106 %*	*70-130*		"	"	"	"	
N. Wall (6C28009-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC63115	03/31/06	04/02/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC62819	03/28/06	03/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.4 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
N/E Wall (6C28009-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC63115	03/31/06	04/02/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC62819	03/28/06	03/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
E. Wall (6C28009-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC63115	03/31/06	04/02/06	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		*108 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC62819	03/28/06	03/29/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
N. Exc. Flr. (6C28009-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC63115	03/31/06	04/02/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*111 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC62819	03/28/06	03/29/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
N. Exc. Flr. (6C28009-08) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EC62819	03/28/06	03/29/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/03/06 14:16

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S/E Wall (6C28009-01) Soil									
% Moisture	**2.7**	0.1	%	1	EC62905	03/28/06	03/29/06	% calculation	
S. Wall (6C28009-02) Soil									
% Moisture	**1.8**	0.1	%	1	EC62905	03/28/06	03/29/06	% calculation	
S/W Wall (6C28009-03) Soil									
% Moisture	**10.1**	0.1	%	1	EC62905	03/28/06	03/29/06	% calculation	
W. Wall (6C28009-04) Soil									
% Moisture	**3.8**	0.1	%	1	EC62905	03/28/06	03/29/06	% calculation	
N. Wall (6C28009-05) Soil									
% Moisture	**6.4**	0.1	%	1	EC62905	03/28/06	03/29/06	% calculation	
N/E Wall (6C28009-06) Soil									
% Moisture	**9.7**	0.1	%	1	EC62905	03/28/06	03/29/06	% calculation	
E. Wall (6C28009-07) Soil									
% Moisture	**5.5**	0.1	%	1	EC62905	03/28/06	03/29/06	% calculation	
N. Exc. Flr. (6C28009-08) Soil									
% Moisture	**9.4**	0.1	%	1	EC62905	03/28/06	03/29/06	% 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 EC62819 - Solvent Extraction (GC)										
Blank (EC62819-BLK1)				Prepared & Analyzed: 03/28/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*45.1*		*mg/kg*	*50.0*		*90.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.7*		"	*50.0*		*93.4*	*70-130*			
LCS (EC62819-BS1)				Prepared & Analyzed: 03/28/06						
Carbon Ranges C6-C12	594	10.0	mg/kg wet	500		119	75-125			
Carbon Ranges C12-C28	596	10.0	"	500		119	75-125			
Total Hydrocarbon C6-C35	1190	10.0	"	1000		119	75-125			
Surrogate: 1-Chlorooctane	*64.6*		*mg/kg*	*50.0*		*129*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.5*		"	*50.0*		*129*	*70-130*			
Calibration Check (EC62819-CCV1)				Prepared: 03/28/06 Analyzed: 03/29/06						
Carbon Ranges C6-C12	216		mg/kg	250		86.4	80-120			
Carbon Ranges C12-C28	282		"	250		113	80-120			
Total Hydrocarbon C6-C35	498		"	500		99.6	80-120			
Surrogate: 1-Chlorooctane	*50.0*		"	*50.0*		*100*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.2*		"	*50.0*		*98.4*	*70-130*			
Matrix Spike (EC62819-MS1)	**Source: 6C27008-03**			Prepared & Analyzed: 03/28/06						
Carbon Ranges C6-C12	526	10.0	mg/kg dry	526	ND	100	75-125			
Carbon Ranges C12-C28	521	10.0	"	526	20.1	95.2	75-125			
Total Hydrocarbon C6-C35	1050	10.0	"	1050	20.1	98.1	75-125			
Surrogate: 1-Chlorooctane	*57.6*		*mg/kg*	*50.0*		*115*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.9*		"	*50.0*		*106*	*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 EC62819 - Solvent Extraction (GC)										
Matrix Spike Dup (EC62819-MSD1)	**Source: 6C27008-03**			Prepared & Analyzed: 03/28/06						
Carbon Ranges C6-C12	541	10.0	mg/kg dry	526	ND	103	75-125	2.81	20	
Carbon Ranges C12-C28	538	10.0	"	526	20.1	98.5	75-125	3.21	20	
Total Hydrocarbon C6-C35	1080	10.0	"	1050	20.1	101	75-125	2.82	20	
Surrogate: 1-Chlorooctane	*58.9*		*mg/kg*	*50.0*		*118*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.3*		*"*	*50.0*		*109*	*70-130*			
Batch EC63115 - EPA 5030C (GC)										
Blank (EC63115-BLK1)				Prepared & Analyzed: 03/31/06						
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	*39.6*		*ug/kg*	*40.0*		*99.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.6*		*"*	*40.0*		*91.5*	*80-120*			
LCS (EC63115-BS1)				Prepared & Analyzed: 03/31/06						
Benzene	1.15	0.0250	mg/kg wet	1.25		92.0	80-120			
Toluene	1.07	0.0250	"	1.25		85.6	80-120			
Ethylbenzene	1.20	0.0250	"	1.25		96.0	80-120			
Xylene (p/m)	2.44	0.0250	"	2.50		97.6	80-120			
Xylene (o)	1.17	0.0250	"	1.25		93.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*41.5*		*ug/kg*	*40.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.7*		*"*	*40.0*		*89.2*	*80-120*			
Calibration Check (EC63115-CCV1)				Prepared: 03/31/06 Analyzed: 04/03/06						
Benzene	45.7		ug/kg	50.0		91.4	80-120			
Toluene	43.5		"	50.0		87.0	80-120			
Ethylbenzene	47.8		"	50.0		95.6	80-120			
Xylene (p/m)	98.1		"	100		98.1	80-120			
Xylene (o)	47.6		"	50.0		95.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*41.4*		*"*	*40.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.1*		*"*	*40.0*		*92.8*	*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 EC63115 - EPA 5030C (GC)										
Matrix Spike (EC63115-MS1)	**Source: 6C28009-02**			Prepared: 03/31/06 Analyzed: 04/02/06						
Benzene	1.10	0.0250	mg/kg dry	1.27	ND	86.6	80-120			
Toluene	1.05	0.0250	"	1.27	ND	82.7	80-120			
Ethylbenzene	1.14	0.0250	"	1.27	ND	89.8	80-120			
Xylene (p/m)	2.35	0.0250	"	2.55	ND	92.2	80-120			
Xylene (o)	1.13	0.0250	"	1.27	ND	89.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*44.3*		*ug/kg*	*40.0*		*111*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.7*		*"*	*40.0*		*84.2*	*80-120*			
Matrix Spike Dup (EC63115-MSD1)	**Source: 6C28009-02**			Prepared: 03/31/06 Analyzed: 04/02/06						
Benzene	1.15	0.0250	mg/kg dry	1.27	ND	90.6	80-120	4.51	20	
Toluene	1.07	0.0250	"	1.27	ND	84.3	80-120	1.92	20	
Ethylbenzene	1.19	0.0250	"	1.27	ND	93.7	80-120	4.25	20	
Xylene (p/m)	2.38	0.0250	"	2.55	ND	93.3	80-120	1.19	20	
Xylene (o)	1.17	0.0250	"	1.27	ND	92.1	80-120	3.42	20	
Surrogate: a,a,a-Trifluorotoluene	*45.4*		*ug/kg*	*40.0*		*114*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.8*		*"*	*40.0*		*94.5*	*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 EC62905 - General Preparation (Prep)										
Blank (EC62905-BLK1)				Prepared: 03/28/06 Analyzed: 03/29/06						
% Solids	100		%							
Duplicate (EC62905-DUP1)		**Source: 6C27008-01**		Prepared: 03/28/06 Analyzed: 03/29/06						
% Solids	93.2		%		93.4			0.214	20	
Duplicate (EC62905-DUP2)		**Source: 6C28002-03**		Prepared: 03/28/06 Analyzed: 03/29/06						
% Solids	97.5		%		97.5			0.00	20	
Duplicate (EC62905-DUP3)		**Source: 6C28010-03**		Prepared: 03/28/06 Analyzed: 03/29/06						
% Solids	88.3		%		88.2			0.113	20	

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 4/3/2006

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 Environmental
Company Address: P.O. Box 301
City/State/Zip: Lovington, NM 88260
Telephone No: 505-441-2124 Fax No: 505-396-1429
Sampler Signature: AMancrofruz@aol.com

Project Name: North Hobbs 8-inch
Project #: SRS# 2006-059
Project Loc: Lea Co., NM
PO #: PHA / C. Reynolds

→ Add 03-29-06 as per attached e-mail Standard TAT

LAB # (lab use only) 62208	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 / 8015M	TOTAL: 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma			RUSH TAT (Pre-Schedule)	Standard TAT
01	S/E Wall	3/27/06	1140	1	X									X		X								X						X	
02	S. Wall	3/27/06	1144	1	X									X		X								X						X	
03	S/W Wall	3/27/06	1152	1	X									X		X								X						X	
04	W. Wall	3/27/06	1156	1	X									X		X								X						X	
05	N. Wall	3/27/06	1201	1	X									X		X								X						X	
06	N/E Wall	3/27/06	1205	1	X									X		X								X						X	
07	E. Wall	3/27/06	1209	1	X									X		X								X						X	
08	N. Exc. Flr.	3/27/06	1215	1	X									X		X								X						X	

Special Instructions: HOLD SOIL SAMPLES FOR POSSIBLE BTEX ANALYSIS. ELECTRONIC NOTIFICATION WILL FOLLOW UPON TPH RESULTS. Ken Dutton 27 MAR 06

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 2.0°C
Laboratory Comments: 4oz jar w/seal jar/label

Relinquished by:	Date	Time	Received by:	Date	Time
	3/28/06	1145			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Corie Kelly	3/28/06	11:45

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

Client: Plains

Date/Time: 3/28/12 11:45

Order #: ~~6C28008~~ 6C28009

Initials: CK

Sample Receipt Checklist

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

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

Jeanne McMurrey

From: "Ken Dutton" <kdutton@basinenv.com>
To: "Jeanne" <jeanne@elabtexas.com>
Cc: "Camille Reynolds" <cjreynolds@paalp.com>
Sent: Wednesday, March 29, 2006 9:02 AM
Subject: North Hobbs 8-Inch COC (BTEX Analysis)

Jeanne,

Reference the COC for the nine (9) soil samples collected from the North Hobbs 8-Inch release site, which had instructions to "hold the nine (9) soils samples for possible BTEX analysis."

Please proceed and run the nine (9) soil samples for BTEX analysis, Standard TAT, utilizing EPA 8021/5030 protocol.

If you have questions, please contact me.

thxs

Ken
(505) 441-2124

--

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: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea County, NM

Lab Order Number: 6C20007

Report Date: 03/23/06

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/23/06 20:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TFH W/W	6C20007-01	Water	03/17/06 14:40	03/20/06 11:00

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

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/23/06 20:49

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TFH W/W (6C20007-01) Water									
Chloride	**86.0**	5.00	mg/L	10	EC62112	03/20/06	03/21/06	EPA 300.0	

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

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TFH W/W (6C20007-01) Water									
Benzene	ND	1.00	ug/l	1	EC62305	03/23/06	03/23/06	EPA 8260B	
Toluene	**ND**	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Xylene (p/m)	ND	1.00	"	"	"	"	"	"	
Xylene (o)	ND	1.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*117 %*		*68-129*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*		*72-132*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*74-118*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*65-140*	"	"	"	"	

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 EC62112 - General Preparation (WetChem)										
Blank (EC62112-BLK1)				Prepared: 03/20/06 Analyzed: 03/21/06						
Chloride	ND	0.500	mg/L							
LCS (EC62112-BS1)				Prepared: 03/20/06 Analyzed: 03/21/06						
Chloride	9.09		mg/L	10.0		90.9	80-120			
Calibration Check (EC62112-CCV1)				Prepared: 03/20/06 Analyzed: 03/21/06						
Chloride	9.30		mg/L	10.0		93.0	80-120			
Duplicate (EC62112-DUP1)		**Source: 6C20006-01**		Prepared: 03/20/06 Analyzed: 03/21/06						
Chloride	46.9	5.00	mg/L		45.7			2.59	20	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC62305 - EPA 5030C (GCMS)										
Blank (EC62305-BLK1)				Prepared & Analyzed: 03/23/06						
Benzene	ND	1.00	ug/l							
Toluene	ND	1.00	"							
Ethylbenzene	ND	1.00	"							
Xylene (p/m)	ND	1.00	"							
Xylene (o)	ND	1.00	"							
Surrogate: Dibromofluoromethane	*44.1*		"	*50.0*		*88.2*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*40.8*		"	*50.0*		*81.6*	*72-132*			
Surrogate: Toluene-d8	*51.6*		"	*50.0*		*103*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*46.9*		"	*50.0*		*93.8*	*65-140*			
LCS (EC62305-BS1)				Prepared & Analyzed: 03/22/06						
Benzene	47.3	1.00	ug/l	50.0		94.6	70-130			
Toluene	57.6	1.00	"	50.0		115	70-130			
Ethylbenzene	46.7	1.00	"	50.0		93.4	70-130			
Xylene (p/m)	92.6	1.00	"	100		92.6	70-130			
Xylene (o)	47.0	1.00	"	50.0		94.0	70-130			
Surrogate: Dibromofluoromethane	*50.4*		"	*50.0*		*101*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*50.4*		"	*50.0*		*101*	*72-132*			
Surrogate: Toluene-d8	*52.2*		"	*50.0*		*104*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*41.4*		"	*50.0*		*82.8*	*65-140*			
Calibration Check (EC62305-CCV1)				Prepared & Analyzed: 03/22/06						
Toluene	54.2		ug/l	50.0		108	70-130			
Ethylbenzene	43.3		"	50.0		86.6	70-130			
Surrogate: Dibromofluoromethane	*53.4*		"	*50.0*		*107*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*46.9*		"	*50.0*		*93.8*	*72-132*			
Surrogate: Toluene-d8	*52.7*		"	*50.0*		*105*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*46.4*		"	*50.0*		*92.8*	*65-140*			

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC62305 - EPA 5030C (GCMS)										
Matrix Spike (EC62305-MS1)	**Source: 6C16022-29**			Prepared & Analyzed: 03/23/06						
Benzene	43.2	1.00	ug/l	50.0	ND	86.4	70-130			
Toluene	52.2	1.00	"	50.0	ND	104	70-130			
Ethylbenzene	39.2	1.00	"	50.0	ND	78.4	70-130			
Xylene (p/m)	75.7	1.00	"	100	ND	75.7	70-130			
Xylene (o)	39.2	1.00	"	50.0	ND	78.4	70-130			
Surrogate: Dibromofluoromethane	*50.2*		"	*50.0*		*100*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*49.1*		"	*50.0*		*98.2*	*72-132*			
Surrogate: Toluene-d8	*52.8*		"	*50.0*		*106*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*42.2*		"	*50.0*		*84.4*	*65-140*			
Matrix Spike Dup (EC62305-MSD1)	**Source: 6C16022-29**			Prepared & Analyzed: 03/23/06						
Benzene	45.9	1.00	ug/l	50.0	ND	91.8	70-130	6.06	20	
Toluene	55.9	1.00	"	50.0	ND	112	70-130	6.85	20	
Ethylbenzene	45.7	1.00	"	50.0	ND	91.4	70-130	15.3	20	
Xylene (p/m)	89.2	1.00	"	100	ND	89.2	70-130	16.4	20	
Xylene (o)	45.1	1.00	"	50.0	ND	90.2	70-130	14.0	20	
Surrogate: Dibromofluoromethane	*48.9*		"	*50.0*		*97.8*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*47.3*		"	*50.0*		*94.6*	*72-132*			
Surrogate: Toluene-d8	*50.1*		"	*50.0*		*100*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*42.0*		"	*50.0*		*84.0*	*65-140*			

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 3/23/2006

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) 396-1429
Sampler Signature: Ken Dutton

Project Name: NORTH HOBBS 8-INCH
Project #: SRS: 2006-059
Project Loc: LEA COUNTY, NM
PO #: PAR / C. REYNOLDS

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: / TOTAL: TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma	CHLORIDES (300.0)		RUSH TAT (Pre-Schedule)	Standard TAT
-01	TFH W/W	17MAR	1440	3	X		X					X											X				X			X

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt: 1.0
Laboratory Comments: seals label

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	17MAR 06	1600		3/17/06	1800
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	3/17/06	1100		3/20/06	11:00

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

Client: Plains

Date/Time: 3/20/08 11:00

Order #: 8C20007

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	-1.2 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

ENVIRONMENTAL LAB OF
12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea County, NM

Lab Order Number: 6C20006

Report Date: 03/23/06

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/23/06 15:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6C20006-01	Water	03/17/06 13:40	03/20/06 11:00
MW-2	6C20006-02	Water	03/17/06 12:06	03/20/06 11:00
MW-3	6C20006-03	Water	03/17/06 10:35	03/20/06 11:00

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

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/23/06 15:16

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6C20006-01) Water									
Chloride	**45.7**	5.00	mg/L	10	EC62112	03/20/06	03/21/06	EPA 300.0	
MW-2 (6C20006-02) Water									
Chloride	**64.0**	5.00	mg/L	10	EC62112	03/20/06	03/21/06	EPA 300.0	
MW-3 (6C20006-03) Water									
Chloride	**69.0**	5.00	mg/L	10	EC62112	03/20/06	03/21/06	EPA 300.0	

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

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 EC62112 - General Preparation (WetChem)										
Blank (EC62112-BLK1)				Prepared: 03/20/06 Analyzed: 03/21/06						
Chloride	ND	0.500	mg/L							
LCS (EC62112-BS1)				Prepared: 03/20/06 Analyzed: 03/21/06						
Chloride	9.09		mg/L	10.0		90.9	80-120			
Calibration Check (EC62112-CCV1)				Prepared: 03/20/06 Analyzed: 03/21/06						
Chloride	9.30		mg/L	10.0		93.0	80-120			
Duplicate (EC62112-DUP1)		**Source: 6C20006-01**		Prepared: 03/20/06 Analyzed: 03/21/06						
Chloride	46.9	5.00	mg/L		45.7			2.59	20	

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/23/06 15:16

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 3/23/2006

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) 396-1429
Sampler Signature: Ken Dutton

Project Name: NORTH HOBBS 8-INCH
Project #: SRS: 2006-059
Project Loc: LEA COUNTY, NM
PO #: PAA/C. REYNOLDS

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP: 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	TOTAL: CHLORIDES (300.0)			RUSH TAT (Pre-Schedule)	Standard TAT
-01	MW-1	17MAR 2006	1340	1	X							X															X				X
-02	MW-2	17MAR	1206	1	X							X															X				X
-03	MW-3	17MAR	1035	1	X							X															X				X

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt: -1.0
Laboratory Comments: Seals/Label

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	17MAR06	1600		3/17/06	1600
	3/20/06	1100	Carrie Kelly	3/20/06	11:00

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

Client: Plains

Date/Time: 3/20/08 11:00

Order #: 8C200064

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	1.2 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea County, NM

Lab Order Number: 6C20005

Report Date: 03/23/06

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/23/06 20:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6C20005-01	Water	03/17/06 13:40	03/20/06 11:00
MW-2	6C20005-02	Water	03/17/06 12:06	03/20/06 11:00
MW-3	6C20005-03	Water	03/17/06 10:35	03/20/06 11:00

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

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/23/06 20:45

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6C20005-01) Water									
Benzene	ND	1.00	ug/l	1	EC62305	03/23/06	03/23/06	EPA 8260B	
Toluene	**ND**	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Xylene (p/m)	ND	1.00	"	"	"	"	"	"	
Xylene (o)	ND	1.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.6 %*	*68-129*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*76.6 %*	*72-132*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*74-118*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*65-140*		"	"	"	"	
MW-2 (6C20005-02) Water									
Benzene	ND	1.00	ug/l	1	EC62305	03/23/06	03/23/06	EPA 8260B	
Toluene	**ND**	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Xylene (p/m)	ND	1.00	"	"	"	"	"	"	
Xylene (o)	ND	1.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*68-129*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*	*72-132*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*74-118*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*65-140*		"	"	"	"	
MW-3 (6C20005-03) Water									
Benzene	ND	1.00	ug/l	1	EC62305	03/23/06	03/23/06	EPA 8260B	
Toluene	**ND**	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Xylene (p/m)	ND	1.00	"	"	"	"	"	"	
Xylene (o)	ND	1.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*68-129*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.2 %*	*72-132*		"	"	"	"	
Surrogate: Toluene-d8		*98.8 %*	*74-118*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.6 %*	*65-140*		"	"	"	"	

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

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC62305 - EPA 5030C (GCMS)										
Blank (EC62305-BLK1)				Prepared & Analyzed: 03/23/06						
Benzene	ND	1.00	ug/l							
Toluene	ND	1.00	"							
Ethylbenzene	ND	1.00	"							
Xylene (p/m)	ND	1.00	"							
Xylene (o)	ND	1.00	"							
Surrogate: Dibromofluoromethane	*44.1*		"	*50.0*		*88.2*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*40.8*		"	*50.0*		*81.6*	*72-132*			
Surrogate: Toluene-d8	*51.6*		"	*50.0*		*103*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*46.9*		"	*50.0*		*93.8*	*65-140*			
LCS (EC62305-BS1)				Prepared & Analyzed: 03/22/06						
Benzene	47.3	1.00	ug/l	50.0		94.6	70-130			
Toluene	57.6	1.00	"	50.0		115	70-130			
Ethylbenzene	46.7	1.00	"	50.0		93.4	70-130			
Xylene (p/m)	92.6	1.00	"	100		92.6	70-130			
Xylene (o)	47.0	1.00	"	50.0		94.0	70-130			
Surrogate: Dibromofluoromethane	*50.4*		"	*50.0*		*101*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*50.4*		"	*50.0*		*101*	*72-132*			
Surrogate: Toluene-d8	*52.2*		"	*50.0*		*104*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*41.4*		"	*50.0*		*82.8*	*65-140*			
Calibration Check (EC62305-CCV1)				Prepared & Analyzed: 03/22/06						
Toluene	54.2		ug/l	50.0		108	70-130			
Ethylbenzene	43.3		"	50.0		86.6	70-130			
Surrogate: Dibromofluoromethane	*53.4*		"	*50.0*		*107*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*46.9*		"	*50.0*		*93.8*	*72-132*			
Surrogate: Toluene-d8	*52.7*		"	*50.0*		*105*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*46.4*		"	*50.0*		*92.8*	*65-140*			

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC62305 - EPA 5030C (GCMS)										
Matrix Spike (EC62305-MS1)	**Source: 6C16022-29**			Prepared & Analyzed: 03/23/06						
Benzene	43.2	1.00	ug/l	50.0	ND	86.4	70-130			
Toluene	52.2	1.00	"	50.0	ND	104	70-130			
Ethylbenzene	39.2	1.00	"	50.0	ND	78.4	70-130			
Xylene (p/m)	75.7	1.00	"	100	ND	75.7	70-130			
Xylene (o)	39.2	1.00	"	50.0	ND	78.4	70-130			
Surrogate: Dibromofluoromethane	*50.2*		"	*50.0*		*100*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*49.1*		"	*50.0*		*98.2*	*72-132*			
Surrogate: Toluene-d8	*52.8*		"	*50.0*		*106*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*42.2*		"	*50.0*		*84.4*	*65-140*			
Matrix Spike Dup (EC62305-MSD1)	**Source: 6C16022-29**			Prepared & Analyzed: 03/23/06						
Benzene	45.9	1.00	ug/l	50.0	ND	91.8	70-130	6.06	20	
Toluene	55.9	1.00	"	50.0	ND	112	70-130	6.85	20	
Ethylbenzene	45.7	1.00	"	50.0	ND	91.4	70-130	15.3	20	
Xylene (p/m)	89.2	1.00	"	100	ND	89.2	70-130	16.4	20	
Xylene (o)	45.1	1.00	"	50.0	ND	90.2	70-130	14.0	20	
Surrogate: Dibromofluoromethane	*48.9*		"	*50.0*		*97.8*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*47.3*		"	*50.0*		*94.6*	*72-132*			
Surrogate: Toluene-d8	*50.1*		"	*50.0*		*100*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*42.0*		"	*50.0*		*84.0*	*65-140*			

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 3/23/2006

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) 396-1429
Sampler Signature: Ken Dutton

Project Name: NORTH HOBBS 8-INCH
Project #: ERS: 2006-059
Project Loc: LEA COUNTY, NM
PO #: PAA/C. REYNOLDS

LAB # (lab use only) 16122005	FIELD CODE	Date Sampled 2006	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl VOA x2	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 8015M 1005 1006	TCLP: Cations (Ca, Mg, Na, K)	TCLP: Anions (Cl, SO4, CO3, HCO3)	TCLP: SAR / ESP / CEC	TCLP: Metals: As Ag Ba Cd Cr Pb Hg Se	TOTAL: Volatiles	TOTAL: Semivolatiles	TOTAL: BTEX 8021B/5030 X	RCI	N.O.R.M.	Total Gamma	RUSH TAT (Pre-Schedule)	Standard TAT
-01	MW-1	17 MAR	1340	2	X		X					X											X					X
-02	MW-2	17 MAR	1206	2	X		X					X											X					X
-03	MW-3	17 MAR	1635	2	X		X					X											X					X

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt: 1.0°
Laboratory Comments: seals/labels

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	17 MAR 06	1600		3/17/06	1600
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	3/20/06	1100	Cecile Kelly	3/20/06	11:00

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

Client: Plains

Date/Time: 3/20/20 11:00

Order #: 6C20005

Initials: VK

Sample Receipt Checklist

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

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea County, NM

Lab Order Number: 6C16004

Report Date: 03/23/06

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/23/06 16:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1 5'	6C16004-01	Soil	03/13/06 09:59	03/16/06 10:00
MW-1 15'	6C16004-02	Soil	03/13/06 10:06	03/16/06 10:00
MW-1 25'	6C16004-03	Soil	03/13/06 10:12	03/16/06 10:00
MW-1 35'	6C16004-04	Soil	03/13/06 10:17	03/16/06 10:00
MW-1 45'	6C16004-05	Soil	03/13/06 10:21	03/16/06 10:00
MW-1 55'	6C16004-06	Soil	03/13/06 10:39	03/16/06 10:00
MW-2 5'	6C16004-07	Soil	03/13/06 12:41	03/16/06 10:00
MW-2 15'	6C16004-08	Soil	03/13/06 12:45	03/16/06 10:00
MW-2 25'	6C16004-09	Soil	03/13/06 12:52	03/16/06 10:00
MW-2 35'	6C16004-10	Soil	03/13/06 12:59	03/16/06 10:00
MW-2 45'	6C16004-11	Soil	03/13/06 13:05	03/16/06 10:00
MW-2 55'	6C16004-12	Soil	03/13/06 13:10	03/16/06 10:00
MW-3 5'	6C16004-13	Soil	03/14/06 08:51	03/16/06 10:00
MW-3 15'	6C16004-14	Soil	03/14/06 09:00	03/16/06 10:00
MW-3 25'	6C16004-15	Soil	03/14/06 09:07	03/16/06 10:00
MW-3 35'	6C16004-16	Soil	03/14/06 09:12	03/16/06 10:00
MW-3 45'	6C16004-17	Soil	03/14/06 09:19	03/16/06 10:00
MW-3 55'	6C16004-18	Soil	03/14/06 09:26	03/16/06 10:00

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

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 5' (6C16004-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	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		*85.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*92.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*93.8 %*	*70-130*		"	"	"	"	
MW-1 15' (6C16004-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	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		*87.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*97.2 %*	*70-130*		"	"	"	"	
MW-1 25' (6C16004-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	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		*83.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 25' (6C16004-03) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
MW-1 35' (6C16004-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*94.2 %*	*70-130*		"	"	"	"	
MW-1 45' (6C16004-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	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		*88.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*106 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 55' (6C16004-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	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		*85.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
MW-2 5' (6C16004-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	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		*86.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*116 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*110 %*	*70-130*		"	"	"	"	
MW-2 15' (6C16004-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	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		*90.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 15' (6C16004-08) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*96.0 %*	*70-130*		"	"	"	"	
MW-2 25' (6C16004-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	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		*96.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*96.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*97.6 %*	*70-130*		"	"	"	"	
MW-2 35' (6C16004-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	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		*92.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*96.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.6 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 45' (6C16004-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	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		*85.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*99.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*103 %*	*70-130*		"	"	"	"	
MW-2 55' (6C16004-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*96.8 %*	*70-130*		"	"	"	"	
MW-3 5' (6C16004-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	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		*85.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 5' (6C16004-13) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*96.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*100 %*	*70-130*		"	"	"	"	
MW-3 15' (6C16004-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	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		*100 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*98.4 %*	*70-130*		"	"	"	"	
MW-3 25' (6C16004-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/20/06	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		*87.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 35' (6C16004-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62005	03/20/06	03/21/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.5 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*97.8 %*	*70-130*		"	"	"	"	
MW-3 45' (6C16004-17) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62103	03/20/06	03/21/06	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		*87.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*110 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	
MW-3 55' (6C16004-18) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC62103	03/20/06	03/21/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/23/06 16:49

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 55' (6C16004-18) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EC61616	03/16/06	03/17/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 5' (6C16004-01) Soil									
% Moisture	**3.2**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-1 15' (6C16004-02) Soil									
Chloride	**10.9**	5.00	mg/kg	10	EC62001	03/20/06	03/20/06	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-1 25' (6C16004-03) Soil									
% Moisture	**5.5**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-1 35' (6C16004-04) Soil									
% Moisture	**4.6**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-1 45' (6C16004-05) Soil									
% Moisture	**5.1**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-1 55' (6C16004-06) Soil									
% Moisture	**11.4**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-2 5' (6C16004-07) Soil									
% Moisture	**6.0**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-2 15' (6C16004-08) Soil									
% Moisture	**4.1**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-2 25' (6C16004-09) Soil									
% Moisture	**4.1**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-2 35' (6C16004-10) Soil									
% Moisture	**3.8**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 45' (6C16004-11) Soil									
% Moisture	**7.2**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-2 55' (6C16004-12) Soil									
% Moisture	**6.9**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-3 5' (6C16004-13) Soil									
% Moisture	**2.0**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-3 15' (6C16004-14) Soil									
% Moisture	**8.4**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-3 25' (6C16004-15) Soil									
% Moisture	**5.2**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-3 35' (6C16004-16) Soil									
% Moisture	**4.4**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-3 45' (6C16004-17) Soil									
% Moisture	**5.5**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	
MW-3 55' (6C16004-18) Soil									
% Moisture	**10.4**	0.1	%	1	EC61702	03/16/06	03/17/06	% calculation	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC61616 - Solvent Extraction (GC)										
Blank (EC61616-BLK1)				Prepared: 03/16/06 Analyzed: 03/17/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*45.5*		*mg/kg*	*50.0*		*91.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.4*		"	*50.0*		*94.8*	*70-130*			
LCS (EC61616-BS1)				Prepared & Analyzed: 03/16/06						
Carbon Ranges C6-C12	607	10.0	mg/kg wet	500		121	75-125			
Carbon Ranges C12-C28	555	10.0	"	500		111	75-125			
Total Hydrocarbon C6-C35	1160	10.0	"	1000		116	75-125			
Surrogate: 1-Chlorooctane	*64.5*		*mg/kg*	*50.0*		*129*	*70-130*			
Surrogate: 1-Chlorooctadecane	*61.3*		"	*50.0*		*123*	*70-130*			
Calibration Check (EC61616-CCV1)				Prepared: 03/16/06 Analyzed: 03/17/06						
Carbon Ranges C6-C12	293		mg/kg	250		117	80-120			
Carbon Ranges C12-C28	297		"	250		119	80-120			
Total Hydrocarbon C6-C35	590		"	500		118	80-120			
Surrogate: 1-Chlorooctane	*61.0*		*"*	*50.0*		*122*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.5*		*"*	*50.0*		*105*	*70-130*			
Matrix Spike (EC61616-MS1)	**Source: 6C16004-01**			Prepared: 03/16/06 Analyzed: 03/17/06						
Carbon Ranges C6-C12	581	10.0	mg/kg dry	517	ND	112	75-125			
Carbon Ranges C12-C28	581	10.0	"	517	ND	112	75-125			
Total Hydrocarbon C6-C35	1160	10.0	"	1030	ND	113	75-125			
Surrogate: 1-Chlorooctane	*54.5*		*mg/kg*	*50.0*		*109*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.0*		"	*50.0*		*98.0*	*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 EC61616 - Solvent Extraction (GC)										
Matrix Spike Dup (EC61616-MSD1)	**Source: 6C16004-01**			Prepared: 03/16/06 Analyzed: 03/17/06						
Carbon Ranges C6-C12	501	10.0	mg/kg dry	517	ND	96.9	75-125	14.8	20	
Carbon Ranges C12-C28	519	10.0	"	517	ND	100	75-125	11.3	20	
Total Hydrocarbon C6-C35	1020	10.0	"	1030	ND	99.0	75-125	12.8	20	
Surrogate: 1-Chlorooctane	*58.1*		*mg/kg*	*50.0*		*116*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.8*		*"*	*50.0*		*110*	*70-130*			
Batch EC62005 - EPA 5030C (GC)										
Blank (EC62005-BLK1)				Prepared & Analyzed: 03/20/06						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*36.6*		*ug/kg*	*40.0*		*91.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.2*		*"*	*40.0*		*98.0*	*80-120*			
LCS (EC62005-BS1)				Prepared & Analyzed: 03/20/06						
Benzene	1.00	0.0250	mg/kg wet	1.25		80.0	80-120			
Toluene	1.13	0.0250	"	1.25		90.4	80-120			
Ethylbenzene	1.29	0.0250	"	1.25		103	80-120			
Xylene (p/m)	2.66	0.0250	"	2.50		106	80-120			
Xylene (o)	1.30	0.0250	"	1.25		104	80-120			
Surrogate: a,a,a-Trifluorotoluene	*35.1*		*ug/kg*	*40.0*		*87.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.6*		*"*	*40.0*		*106*	*80-120*			
Calibration Check (EC62005-CCV1)				Prepared & Analyzed: 03/20/06						
Benzene	40.4		ug/kg	50.0		80.8	80-120			
Toluene	40.7		"	50.0		81.4	80-120			
Ethylbenzene	40.8		"	50.0		81.6	80-120			
Xylene (p/m)	82.5		"	100		82.5	80-120			
Xylene (o)	41.8		"	50.0		83.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*37.6*		*"*	*40.0*		*94.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.8*		*"*	*40.0*		*87.0*	*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 EC62005 - EPA 5030C (GC)										
Matrix Spike (EC62005-MS1)	**Source: 6C16004-13**			Prepared & Analyzed: 03/20/06						
Benzene	1.10	0.0250	mg/kg dry	1.28	ND	85.9	80-120			
Toluene	1.28	0.0250	"	1.28	ND	100	80-120			
Ethylbenzene	1.47	0.0250	"	1.28	ND	115	80-120			
Xylene (p/m)	2.98	0.0250	"	2.55	ND	117	80-120			
Xylene (o)	1.48	0.0250	"	1.28	ND	116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.2*		*ug/kg*	*40.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*44.2*		*"*	*40.0*		*110*	*80-120*			
Matrix Spike Dup (EC62005-MSD1)	**Source: 6C16004-13**			Prepared: 03/20/06 Analyzed: 03/21/06						
Benzene	1.05	0.0250	mg/kg dry	1.28	ND	82.0	80-120	4.65	20	
Toluene	1.20	0.0250	"	1.28	ND	93.8	80-120	6.40	20	
Ethylbenzene	1.37	0.0250	"	1.28	ND	107	80-120	7.21	20	
Xylene (p/m)	2.80	0.0250	"	2.55	ND	110	80-120	6.17	20	
Xylene (o)	1.38	0.0250	"	1.28	ND	108	80-120	7.14	20	
Surrogate: a,a,a-Trifluorotoluene	*35.5*		*ug/kg*	*40.0*		*88.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.1*		*"*	*40.0*		*105*	*80-120*			
Batch EC62103 - EPA 5030C (GC)										
Blank (EC62103-BLK1)				Prepared: 03/20/06 Analyzed: 03/21/06						
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	*37.5*		*ug/kg*	*40.0*		*93.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.5*		*"*	*40.0*		*86.2*	*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 EC62103 - EPA 5030C (GC)										
LCS (EC62103-BS1)				Prepared: 03/20/06 Analyzed: 03/21/06						
Benzene	1.03	0.0250	mg/kg wet	1.25		82.4	80-120			
Toluene	1.17	0.0250	"	1.25		93.6	80-120			
Ethylbenzene	1.31	0.0250	"	1.25		105	80-120			
Xylene (p/m)	2.66	0.0250	"	2.50		106	80-120			
Xylene (o)	1.31	0.0250	"	1.25		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.9*		*ug/kg*	*40.0*		*92.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.6*		*"*	*40.0*		*89.0*	*80-120*			
Calibration Check (EC62103-CCV1)				Prepared: 03/20/06 Analyzed: 03/22/06						
Benzene	41.2		ug/kg	50.0		82.4	80-120			
Toluene	44.3		"	50.0		88.6	80-120			
Ethylbenzene	48.6		"	50.0		97.2	80-120			
Xylene (p/m)	100		"	100		100	80-120			
Xylene (o)	50.4		"	50.0		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	*35.2*		*"*	*40.0*		*88.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.4*		*"*	*40.0*		*93.5*	*80-120*			
Matrix Spike (EC62103-MS1)		**Source: 6C16015-01**		Prepared: 03/20/06 Analyzed: 03/21/06						
Benzene	1.18	0.0250	mg/kg dry	1.42	ND	83.1	80-120			
Toluene	1.34	0.0250	"	1.42	ND	94.4	80-120			
Ethylbenzene	1.53	0.0250	"	1.42	ND	108	80-120			
Xylene (p/m)	3.10	0.0250	"	2.84	ND	109	80-120			
Xylene (o)	1.54	0.0250	"	1.42	ND	108	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.4*		*ug/kg*	*40.0*		*91.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.5*		*"*	*40.0*		*104*	*80-120*			
Matrix Spike Dup (EC62103-MSD1)		**Source: 6C16015-01**		Prepared: 03/20/06 Analyzed: 03/21/06						
Benzene	1.17	0.0250	mg/kg dry	1.42	ND	82.4	80-120	0.846	20	
Toluene	1.33	0.0250	"	1.42	ND	93.7	80-120	0.744	20	
Ethylbenzene	1.51	0.0250	"	1.42	ND	106	80-120	1.87	20	
Xylene (p/m)	3.07	0.0250	"	2.84	ND	108	80-120	0.922	20	
Xylene (o)	1.52	0.0250	"	1.42	ND	107	80-120	0.930	20	
Surrogate: a,a,a-Trifluorotoluene	*37.0*		*ug/kg*	*40.0*		*92.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.0*		*"*	*40.0*		*95.0*	*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 EC61702 - General Preparation (Prep)										
Blank (EC61702-BLK1)				Prepared: 03/16/06 Analyzed: 03/17/06						
% Solids	99.9		%							
Duplicate (EC61702-DUP1)	**Source: 6C15014-01**			Prepared: 03/16/06 Analyzed: 03/17/06						
% Solids	97.9		%		97.5			0.409	20	
Duplicate (EC61702-DUP2)	**Source: 6C16004-14**			Prepared: 03/16/06 Analyzed: 03/17/06						
% Solids	91.7		%		91.6			0.109	20	
Duplicate (EC61702-DUP3)	**Source: 6C16013-02**			Prepared: 03/16/06 Analyzed: 03/17/06						
% Solids	98.3		%		97.9			0.408	20	
Batch EC62001 - Water Extraction										
Blank (EC62001-BLK1)				Prepared: 03/17/06 Analyzed: 03/20/06						
Chloride	ND	0.500	mg/kg							
LCS (EC62001-BS1)				Prepared: 03/17/06 Analyzed: 03/20/06						
Chloride	8.53		mg/L	10.0		85.3	80-120			
Calibration Check (EC62001-CCV1)				Prepared: 03/17/06 Analyzed: 03/20/06						
Chloride	8.81		mg/L	10.0		88.1	80-120			
Duplicate (EC62001-DUP1)	**Source: 6C16019-06**			Prepared: 03/17/06 Analyzed: 03/20/06						
Chloride	159	10.0	mg/kg		160			0.627	20	

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 3/23/2006

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) 396-1429
Sampler Signature: Ken Dutton

Project Name: NORTH HOBBS 8-INCH
Project #: SRS: 2006-059
Project Loc: LEA COUNTY, NM
PO #: PAA/C. REYNOLDS

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 (8015M) 1005 1006	TOTAL: Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma		RUSH TAT (Pre-Schedule)	Standard TAT
01	MW-1 5'	13 MAR 2006	0959	1	X									X		X							X						X
02	MW-1 15'		1006														X	X											
03	MW-1 25'		1012																										
04	MW-1 35'		1017																										
05	MW-1 45'		1021																										
06	MW-1 55'		1039																										
07	MW-2 5'		1241																										
08	MW-2 15'		1245																										
09	MW-2 25'		1252																										
10	MW-2 35'		1259																										

Special Instructions: + Add Cl- 03-16-06 as per attached e-mail

Sample Containers Intact? Y N
Temperature Upon Receipt: 1.0
Laboratory Comments: 4oz glass w/seals/label

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	15 MAR 06	1600		3/15/06	1600
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	3/16/06	10:00	Cheri Wells	3/16/06	10:00

02 OPE

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) 396-1429
Sampler Signature: Ken Dutton

Project Name: NORTH HOBBS 8-INCH
Project #: SRS: 2006-059
Project Loc: LEA COUNTY, NM
PO #: PAA / C. REYNOLDS

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP: TPH: 418.1 / 8015M	Analyze For: TCLP: 1005 / 1006	Analyze For: TOTAL: Cations (Ca, Mg, Na, K)	Analyze For: TOTAL: Anions (Cl, SO4, CO3, HCO3)	Analyze For: TOTAL: SAR / ESP / CEC	Analyze For: TOTAL: Metals: As Ag Ba Cd Cr Pb Hg Se	Analyze For: TOTAL: Volatiles	Analyze For: TOTAL: Semivolatiles	Analyze For: TOTAL: BTEX 8021B/5030	Analyze For: TOTAL: RCI	Analyze For: TOTAL: N.O.R.M.	Analyze For: TOTAL: Total Gamma	RUSH TAT (Pre-Schedule)	Standard TAT
6C11004		2006																						X					
-11	MW-2 45'	13 MAR	1305	1	X									X		X								X					X
12	MW-2 55'	13 MAR	1310																										
13	MW-3 5'	14 MAR	0851																										
14	MW-3 15'		0900																										
15	MW-3 25'		0907																										
16	MW-3 35'		0912																										
17	MW-3 45'		0919																										
18	MW-3 55'		0926																										

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	15 MAR 06	1600		3/15/06	1600
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	3/16/06	1000	Carrie Wells	3/16/06	10:00

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

Client: Basin Env. / Plains

Date/Time: 3/16/06 10:00

Order #: 6C160

Initials: CK

Sample Receipt Checklist

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

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

Jeanne McMurrey

From: "Ken Dutton" <kdutton@basinenv.com>
To: "Jeanne" <jeanne@elabtexas.com>
Sent: Thursday, March 16, 2006 10:50 AM
Subject: COC, North Hobbs 8-Inch

Jeanne,

Plz add a chloride analysis for the MW-1, 15 feet soil sample, EPA Method 300.1, for the North Hobbs 8-Inch site.

thxs

Ken

--

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: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea. County, NM

Lab Order Number: 6C09010

Report Date: 03/14/06

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/14/06 09:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 5'	6C09010-01	Soil	03/08/06 12:45	03/09/06 11:40
SB-1 10'	6C09010-02	Soil	03/08/06 12:47	03/09/06 11:40
SB-1 15'	6C09010-03	Soil	03/08/06 12:50	03/09/06 11:40
SB-1 20'	6C09010-04	Soil	03/08/06 12:56	03/09/06 11:40
SB-1 25'	6C09010-05	Soil	03/08/06 13:20	03/09/06 11:40

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
SB-1 5' (6C09010-01) Soil									
Benzene	**0.0617**	0.0250	mg/kg dry	25	EC61010	03/10/06	03/13/06	EPA 8021B	
Toluene	**0.832**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**1.79**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**5.09**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.327**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*161 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*196 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**815**	20.0	mg/kg dry	2	EC60920	03/09/06	03/11/06	EPA 8015M	
Carbon Ranges C12-C28	**2720**	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**678**	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**4210**	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*42.8 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*40.4 %*	*70-130*		"	"	"	"	*S-06*
SB-1 10' (6C09010-02) Soil									
Benzene	**0.0457**	0.0250	mg/kg dry	25	EC61010	03/10/06	03/13/06	EPA 8021B	
Toluene	**0.606**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**1.03**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**2.07**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.684**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*137 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*207 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**921**	20.0	mg/kg dry	2	EC60920	03/09/06	03/11/06	EPA 8015M	
Carbon Ranges C12-C28	**3460**	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**842**	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**5220**	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*45.0 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*38.0 %*	*70-130*		"	"	"	"	*S-06*
SB-1 15' (6C09010-03) Soil									
Benzene	**0.0335**	0.0250	mg/kg dry	25	EC61010	03/10/06	03/13/06	EPA 8021B	
Toluene	**0.178**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.342**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.611**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.144**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*118 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**199**	10.0	mg/kg dry	1	EC60920	03/09/06	03/11/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 15' (6C09010-03) Soil									
Carbon Ranges C12-C28	**1270**	10.0	mg/kg dry	1	EC60920	03/09/06	03/11/06	EPA 8015M	
Carbon Ranges C28-C35	**352**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1820**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*71.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*77.2 %*	*70-130*		"	"	"	"	
SB-1 20' (6C09010-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC61010	03/10/06	03/13/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0818**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.149**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.5 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**11.8**	10.0	mg/kg dry	1	EC60920	03/09/06	03/11/06	EPA 8015M	
Carbon Ranges C12-C28	**152**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**94.3**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**258**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*71.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.0 %*	*70-130*		"	"	"	"	
SB-1 25' (6C09010-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC61010	03/10/06	03/13/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0830**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.152**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**22.6**	10.0	mg/kg dry	1	EC60920	03/09/06	03/11/06	EPA 8015M	
Carbon Ranges C12-C28	**308**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**134**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**465**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*70.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*73.0 %*	*70-130*		"	"	"	"	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 5' (6C09010-01) Soil									
% Moisture	**3.3**	0.1	%	1	EC61008	03/09/06	03/10/06	% calculation	
SB-1 10' (6C09010-02) Soil									
% Moisture	**2.2**	0.1	%	1	EC61008	03/09/06	03/10/06	% calculation	
SB-1 15' (6C09010-03) Soil									
% Moisture	**1.0**	0.1	%	1	EC61008	03/09/06	03/10/06	% calculation	
SB-1 20' (6C09010-04) Soil									
% Moisture	**0.9**	0.1	%	1	EC61008	03/09/06	03/10/06	% calculation	
SB-1 25' (6C09010-05) Soil									
% Moisture	**0.6**	0.1	%	1	EC61008	03/09/06	03/10/06	% calculation	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC60920 - Solvent Extraction (GC)										
Blank (EC60920-BLK1)				Prepared: 03/09/06 Analyzed: 03/10/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*62.3*		*mg/kg*	*50.0*		*125*	*70-130*			
Surrogate: 1-Chlorooctadecane	*63.8*		*"*	*50.0*		*128*	*70-130*			
LCS (EC60920-BS1)				Prepared: 03/09/06 Analyzed: 03/10/06						
Carbon Ranges C6-C12	524	10.0	mg/kg wet	500		105	75-125			
Carbon Ranges C12-C28	511	10.0	"	500		102	75-125			
Total Hydrocarbon C6-C35	1040	10.0	"	1000		104	75-125			
Surrogate: 1-Chlorooctane	*52.4*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.1*		*"*	*50.0*		*102*	*70-130*			
Calibration Check (EC60920-CCV1)				Prepared: 03/09/06 Analyzed: 03/11/06						
Carbon Ranges C6-C12	256		mg/kg	250		102	80-120			
Carbon Ranges C12-C28	286		"	250		114	80-120			
Total Hydrocarbon C6-C35	542		"	500		108	80-120			
Surrogate: 1-Chlorooctane	*56.6*		*"*	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.7*		*"*	*50.0*		*117*	*70-130*			
Matrix Spike (EC60920-MS1)	**Source: 6C09007-01**			Prepared: 03/09/06 Analyzed: 03/10/06						
Carbon Ranges C6-C12	543	10.0	mg/kg dry	548	ND	99.1	75-125			
Carbon Ranges C12-C28	484	10.0	"	548	ND	88.3	75-125			
Total Hydrocarbon C6-C35	1030	10.0	"	1100	ND	93.6	75-125			
Surrogate: 1-Chlorooctane	*38.2*		*mg/kg*	*50.0*		*76.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.1*		*"*	*50.0*		*72.2*	*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 EC60920 - Solvent Extraction (GC)										
Matrix Spike Dup (EC60920-MSD1)	**Source: 6C09007-01**			Prepared: 03/09/06 Analyzed: 03/10/06						
Carbon Ranges C6-C12	529	10.0	mg/kg dry	548	ND	96.5	75-125	2.61	20	
Carbon Ranges C12-C28	474	10.0	"	548	ND	86.5	75-125	2.09	20	
Total Hydrocarbon C6-C35	1000	10.0	"	1100	ND	90.9	75-125	2.96	20	
Surrogate: 1-Chlorooctane	*37.4*		*mg/kg*	*50.0*		*74.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.3*		*"*	*50.0*		*70.6*	*70-130*			
Batch EC61010 - EPA 5030C (GC)										
Blank (EC61010-BLK1)				Prepared & Analyzed: 03/10/06						
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	*37.5*		*ug/kg*	*40.0*		*93.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.4*		*"*	*40.0*		*83.5*	*80-120*			
LCS (EC61010-BS1)				Prepared & Analyzed: 03/10/06						
Benzene	1.09	0.0250	mg/kg wet	1.25		87.2	80-120			
Toluene	1.22	0.0250	"	1.25		97.6	80-120			
Ethylbenzene	1.35	0.0250	"	1.25		108	80-120			
Xylene (p/m)	2.82	0.0250	"	2.50		113	80-120			
Xylene (o)	1.37	0.0250	"	1.25		110	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.2*		*ug/kg*	*40.0*		*98.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.6*		*"*	*40.0*		*84.0*	*80-120*			
Calibration Check (EC61010-CCV1)				Prepared: 03/10/06 Analyzed: 03/13/06						
Benzene	44.0		ug/kg	50.0		88.0	80-120			
Toluene	50.4		"	50.0		101	80-120			
Ethylbenzene	58.0		"	50.0		116	80-120			
Xylene (p/m)	120		"	100		120	80-120			
Xylene (o)	58.7		"	50.0		117	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.1*		*"*	*40.0*		*97.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.7*		*"*	*40.0*		*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 EC61010 - EPA 5030C (GC)										
Matrix Spike (EC61010-MS1)	**Source: 6C06009-09**			Prepared: 03/10/06 Analyzed: 03/13/06						
Benzene	1.12	0.0250	mg/kg dry	1.28	ND	87.5	80-120			
Toluene	1.26	0.0250	"	1.28	ND	98.4	80-120			
Ethylbenzene	1.41	0.0250	"	1.28	ND	110	80-120			
Xylene (p/m)	2.94	0.0250	"	2.56	ND	115	80-120			
Xylene (o)	1.44	0.0250	"	1.28	ND	112	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.7*		*ug/kg*	*40.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.0*		*"*	*40.0*		*90.0*	*80-120*			
Matrix Spike Dup (EC61010-MSD1)	**Source: 6C06009-09**			Prepared: 03/10/06 Analyzed: 03/13/06						
Benzene	1.19	0.0250	mg/kg dry	1.28	ND	93.0	80-120	6.09	20	
Toluene	1.36	0.0250	"	1.28	ND	106	80-120	7.44	20	
Ethylbenzene	1.52	0.0250	"	1.28	ND	119	80-120	7.86	20	
Xylene (p/m)	3.07	0.0250	"	2.56	ND	120	80-120	4.26	20	
Xylene (o)	1.52	0.0250	"	1.28	ND	119	80-120	6.06	20	
Surrogate: a,a,a-Trifluorotoluene	*41.1*		*ug/kg*	*40.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.2*		*"*	*40.0*		*100*	*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 EC61008 - General Preparation (Prep)										
Blank (EC61008-BLK1)				Prepared: 03/09/06 Analyzed: 03/10/06						
% Solids	100		%							
Duplicate (EC61008-DUP1)		**Source: 6C03014-01**		Prepared: 03/09/06 Analyzed: 03/10/06						
% Solids	95.9		%		96.8			0.934	20	
Duplicate (EC61008-DUP2)		**Source: 6C03014-21**		Prepared: 03/09/06 Analyzed: 03/10/06						
% Solids	99.9		%		99.9			0.00	20	
Duplicate (EC61008-DUP3)		**Source: 6C08019-01**		Prepared: 03/09/06 Analyzed: 03/10/06						
% Solids	95.1		%		96.4			1.36	20	
Duplicate (EC61008-DUP4)		**Source: 6C09016-04**		Prepared: 03/09/06 Analyzed: 03/10/06						
% Solids	69.8		%		70.0			0.286	20	

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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: 3/14/2006

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: NORTH HOBBS 8-INCH
Project #: SRS: 2006-059
Project Loc: LEA COUNTY, NM
PO #: PAA/C. REYNOLDS

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 / 8015M	1005	1006	TOTAL: Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma	RUSH TAT (Pre-Schedule)	Standard TAT
4C09010		2006		4 oz glass																										
-01	SB-1 5'	08 MAR	1245	1	X									X		X								X					X
-02	SB-1 10'		1247																										
-03	SB-1 15'		1250																										
-04	SB-1 20'		1256																										
-05	SB-1 25'		1320																										

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 2.0°C
Laboratory Comments: w/labels + seals
Seal on cooler

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	08 MAR 06	0830		3/9/06	8:30
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	3/9/06	1140	Jessica McMurrey	03-09-06	1140

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

Client: Plains P/L

Date/Time: 03-09-06 @ 1140

Order #: 6C09010

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	2-0 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	(Yes)	No	Not present
Custody Seals intact on sample bottles?	(Yes)	No	Not present
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF
12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea County, NM

Lab Order Number: 6C09009

Report Date: 03/10/06

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/10/06 11:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 30'	6C09009-01	Soil	03/08/06 13:30	03/09/06 11:40
SB-1 35'	6C09009-02	Soil	03/08/06 14:10	03/09/06 11:40
SB-1 40'	6C09009-03	Soil	03/08/06 14:30	03/09/06 11:40
SB-1 (W)	6C09009-04	Water	03/08/06 15:05	03/09/06 11:40

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
SB-1 30' (6C09009-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC60917	03/09/06	03/09/06	EPA 8021B	
Toluene	**0.0567**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0818**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.150**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**16.6**	10.0	mg/kg dry	1	EC60918	03/09/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	**201**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**ND**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**218**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
SB-1 35' (6C09009-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC60917	03/09/06	03/09/06	EPA 8021B	
Toluene	**0.0585**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0829**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.151**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*88.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**J [9.29]**	10.0	mg/kg dry	1	EC60918	03/09/06	03/09/06	EPA 8015M	J
Carbon Ranges C12-C28	**144**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**144**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*106 %*	*70-130*		"	"	"	"	
SB-1 40' (6C09009-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC60917	03/09/06	03/09/06	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		*84.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60918	03/09/06	03/09/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 40' (6C09009-03) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EC60918	03/09/06	03/09/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*106 %*	*70-130*		"	"	"	"	
SB-1 (W) (6C09009-04) Water									
Benzene	ND	0.00100	mg/L	1	EC60704	03/09/06	03/09/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00335**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00636**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*80.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.8 %*	*80-120*		"	"	"	"	

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/10/06 11:12

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 30' (6C09009-01) Soil									
% Moisture	**1.8**	0.1	%	1	EC61008	03/09/06	03/10/06	% calculation	
SB-1 35' (6C09009-02) Soil									
% Moisture	**3.6**	0.1	%	1	EC61008	03/09/06	03/10/06	% calculation	
SB-1 40' (6C09009-03) Soil									
% Moisture	**16.4**	0.1	%	1	EC61008	03/09/06	03/10/06	% 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 EC60704 - EPA 5030C (GC)										
Blank (EC60704-BLK1)				Prepared: 03/07/06 Analyzed: 03/08/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*37.1*		*ug/l*	*40.0*		*92.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.5*		*"*	*40.0*		*98.8*	*80-120*			
LCS (EC60704-BS1)				Prepared: 03/07/06 Analyzed: 03/08/06						
Benzene	0.0440	0.00100	mg/L	0.0500		88.0	80-120			
Toluene	0.0489	0.00100	"	0.0500		97.8	80-120			
Ethylbenzene	0.0569	0.00100	"	0.0500		114	80-120			
Xylene (p/m)	0.117	0.00100	"	0.100		117	80-120			
Xylene (o)	0.0590	0.00100	"	0.0500		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	*38.7*		*ug/l*	*40.0*		*96.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.3*		*"*	*40.0*		*106*	*80-120*			
Calibration Check (EC60704-CCV1)				Prepared: 03/07/06 Analyzed: 03/09/06						
Benzene	40.1		ug/l	50.0		80.2	80-120			
Toluene	40.8		"	50.0		81.6	80-120			
Ethylbenzene	42.9		"	50.0		85.8	80-120			
Xylene (p/m)	88.4		"	100		88.4	80-120			
Xylene (o)	44.3		"	50.0		88.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.1*		*"*	*40.0*		*85.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.7*		*"*	*40.0*		*81.8*	*80-120*			
Matrix Spike (EC60704-MS1)		**Source: 6C03007-06**		Prepared: 03/07/06 Analyzed: 03/09/06						
Benzene	0.0403	0.00100	mg/L	0.0500	ND	80.6	80-120			
Toluene	0.0432	0.00100	"	0.0500	ND	86.4	80-120			
Ethylbenzene	0.0464	0.00100	"	0.0500	ND	92.8	80-120			
Xylene (p/m)	0.0971	0.00100	"	0.100	ND	97.1	80-120			
Xylene (o)	0.0476	0.00100	"	0.0500	ND	95.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.4*		*ug/l*	*40.0*		*91.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.8*		*"*	*40.0*		*110*	*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 EC60704 - EPA 5030C (GC)										
Matrix Spike Dup (EC60704-MSD1)	**Source: 6C03007-06**			Prepared: 03/07/06 Analyzed: 03/09/06						
Benzene	0.0433	0.00100	mg/L	0.0500	ND	86.6	80-120	7.18	20	
Toluene	0.0472	0.00100	"	0.0500	ND	94.4	80-120	8.85	20	
Ethylbenzene	0.0539	0.00100	"	0.0500	ND	108	80-120	15.1	20	
Xylene (p/m)	0.112	0.00100	"	0.100	ND	112	80-120	14.3	20	
Xylene (o)	0.0541	0.00100	"	0.0500	ND	108	80-120	12.6	20	
Surrogate: a,a,a-Trifluorotoluene	*36.5*		*ug/l*	*40.0*		*91.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.0*		*"*	*40.0*		*95.0*	*80-120*			
Batch EC60917 - EPA 5030C (GC)										
Blank (EC60917-BLK1)				Prepared & Analyzed: 03/09/06						
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	*33.4*		*ug/kg*	*40.0*		*83.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.9*		*"*	*40.0*		*84.8*	*80-120*			
LCS (EC60917-BS1)				Prepared & Analyzed: 03/09/06						
Benzene	1.05	0.0250	mg/kg wet	1.25		84.0	80-120			
Toluene	1.16	0.0250	"	1.25		92.8	80-120			
Ethylbenzene	1.33	0.0250	"	1.25		106	80-120			
Xylene (p/m)	2.77	0.0250	"	2.50		111	80-120			
Xylene (o)	1.35	0.0250	"	1.25		108	80-120			
Surrogate: a,a,a-Trifluorotoluene	*33.0*		*ug/kg*	*40.0*		*82.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.2*		*"*	*40.0*		*93.0*	*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 EC60917 - EPA 5030C (GC)										
Calibration Check (EC60917-CCV1)				Prepared: 03/09/06 Analyzed: 03/10/06						
Benzene	43.5		ug/kg	50.0		87.0	80-120			
Toluene	49.6		"	50.0		99.2	80-120			
Ethylbenzene	56.6		"	50.0		113	80-120			
Xylene (p/m)	117		"	100		117	80-120			
Xylene (o)	57.6		"	50.0		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	*41.3*		*"*	*40.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.4*		*"*	*40.0*		*96.0*	*80-120*			
Matrix Spike (EC60917-MS1)		**Source: 6C06006-04**		Prepared: 03/09/06 Analyzed: 03/10/06						
Benzene	1.32	0.0250	mg/kg dry	1.46	ND	90.4	80-120			
Toluene	1.46	0.0250	"	1.46	ND	100	80-120			
Ethylbenzene	1.64	0.0250	"	1.46	ND	112	80-120			
Xylene (p/m)	3.40	0.0250	"	2.92	ND	116	80-120			
Xylene (o)	1.67	0.0250	"	1.46	ND	114	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.9*		*ug/kg*	*40.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.8*		*"*	*40.0*		*94.5*	*80-120*			
Matrix Spike Dup (EC60917-MSD1)		**Source: 6C06006-04**		Prepared: 03/09/06 Analyzed: 03/10/06						
Benzene	1.32	0.0250	mg/kg dry	1.46	ND	90.4	80-120	0.00	20	
Toluene	1.48	0.0250	"	1.46	ND	101	80-120	0.995	20	
Ethylbenzene	1.67	0.0250	"	1.46	ND	114	80-120	1.77	20	
Xylene (p/m)	3.48	0.0250	"	2.92	ND	119	80-120	2.55	20	
Xylene (o)	1.71	0.0250	"	1.46	ND	117	80-120	2.60	20	
Surrogate: a,a,a-Trifluorotoluene	*40.2*		*ug/kg*	*40.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.1*		*"*	*40.0*		*103*	*80-120*			
Batch EC60918 - Solvent Extraction (GC)										
Blank (EC60918-BLK1)				Prepared & Analyzed: 03/09/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*44.2*		*mg/kg*	*50.0*		*88.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.1*		*"*	*50.0*		*96.2*	*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 EC60918 - Solvent Extraction (GC)										
LCS (EC60918-BS1)				Prepared & Analyzed: 03/09/06						
Carbon Ranges C6-C12	478	10.0	mg/kg wet	500		95.6	75-125			
Carbon Ranges C12-C28	511	10.0	"	500		102	75-125			
Total Hydrocarbon C6-C35	989	10.0	"	1000		98.9	75-125			
Surrogate: 1-Chlorooctane	*53.8*		*mg/kg*	*50.0*		*108*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.4*		*"*	*50.0*		*107*	*70-130*			
Calibration Check (EC60918-CCV1)				Prepared: 03/09/06 Analyzed: 03/10/06						
Carbon Ranges C6-C12	221		mg/kg	250		88.4	80-120			
Carbon Ranges C12-C28	270		"	250		108	80-120			
Total Hydrocarbon C6-C35	491		"	500		98.2	80-120			
Surrogate: 1-Chlorooctane	*57.3*		*"*	*50.0*		*115*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.6*		*"*	*50.0*		*117*	*70-130*			
Matrix Spike (EC60918-MS1)	**Source: 6C06009-11**			Prepared & Analyzed: 03/09/06						
Carbon Ranges C6-C12	580	10.0	mg/kg dry	504	ND	115	75-125			
Carbon Ranges C12-C28	592	10.0	"	504	ND	117	75-125			
Total Hydrocarbon C6-C35	1170	10.0	"	1010	ND	116	75-125			
Surrogate: 1-Chlorooctane	*64.0*		*mg/kg*	*50.0*		*128*	*70-130*			
Surrogate: 1-Chlorooctadecane	*63.1*		*"*	*50.0*		*126*	*70-130*			
Matrix Spike Dup (EC60918-MSD1)	**Source: 6C06009-11**			Prepared & Analyzed: 03/09/06						
Carbon Ranges C6-C12	588	10.0	mg/kg dry	504	ND	117	75-125	1.37	20	
Carbon Ranges C12-C28	524	10.0	"	504	ND	104	75-125	12.2	20	
Total Hydrocarbon C6-C35	1110	10.0	"	1010	ND	110	75-125	5.26	20	
Surrogate: 1-Chlorooctane	*64.1*		*mg/kg*	*50.0*		*128*	*70-130*			
Surrogate: 1-Chlorooctadecane	*65.0*		*"*	*50.0*		*130*	*70-130*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC61008 - General Preparation (Prep)										
Blank (EC61008-BLK1)				Prepared: 03/09/06 Analyzed: 03/10/06						
% Solids	100		%							
Duplicate (EC61008-DUP1)		**Source: 6C03014-01**		Prepared: 03/09/06 Analyzed: 03/10/06						
% Solids	95.9		%		96.8			0.934	20	
Duplicate (EC61008-DUP2)		**Source: 6C03014-21**		Prepared: 03/09/06 Analyzed: 03/10/06						
% Solids	99.9		%		99.9			0.00	20	
Duplicate (EC61008-DUP3)		**Source: 6C08019-01**		Prepared: 03/09/06 Analyzed: 03/10/06						
% Solids	95.1		%		96.4			1.36	20	
Duplicate (EC61008-DUP4)		**Source: 6C09016-04**		Prepared: 03/09/06 Analyzed: 03/10/06						
% Solids	69.8		%		70.0			0.286	20	

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K. Tuttle Date: 3/10/2006

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) 396-1429
Sampler Signature: Ken Dutton

Project Name: NORTH HOBBS 8-INCH
Project #: SRS: 2006-059
Project Loc: LEA COUNTY, NM
PO #: PAA/C. REYNOLDS

6C09009

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl 4 Dr Lgkss	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil 4 oz glass	Other (specify)	Analyze For: TCLP: TPH: 418.1 (8015M) 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma	RUSH TAT (Pre-Schedule)	Standard TAT
-01	SB-1 30'	2006 08 MAR	1330	1	X									X		X							X				X	
-02	SB-1 35'	08 MAR	1410	1	X									X		X							X				X	
-03	SB-1 40'	08 MAR	1430	1	X									X		X							X				X	
-04	SB-1 (w)	08 MAR	1505	2	X		X					X											X				X	

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments: 2.0°C
w/labels + seals
Seal on cooler

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	08 MAR 06	0830		3/9/06	5:30
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	3/9/06	1140	Jaime McMurrey	03-09-06	1140

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

Client: Plains P/L

Date/Time: 03-09-04 @ 1140

Order #: 6C09009

Initials: JMM

Sample Receipt Checklist

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

Other observations:

Variance Documentation:

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

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea County, NM

Lab Order Number: 6B28010

Report Date: 03/02/06

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/02/06 14:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Floor@ 30'	6B28010-01	Soil	02/28/06 09:30	02/28/06 14:20
East Wall	6B28010-02	Soil	02/28/06 10:10	02/28/06 14:20
South Wall	6B28010-03	Soil	02/28/06 09:45	02/28/06 14:20
West Wall	6B28010-04	Soil	02/28/06 09:55	02/28/06 14:20

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
Floor@ 30' (6B28010-01) Soil									
Carbon Ranges C6-C12	**96.5**	10.0	mg/kg dry	1	EB62414	03/02/06	03/02/06	EPA 8015M	
Carbon Ranges C12-C28	**703**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**170**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**970**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	
East Wall (6B28010-02) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB62414	03/02/06	03/02/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	
South Wall (6B28010-03) Soil									
Carbon Ranges C6-C12	**22.0**	10.0	mg/kg dry	1	EB62414	03/02/06	03/02/06	EPA 8015M	
Carbon Ranges C12-C28	**644**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**243**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**909**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
West Wall (6B28010-04) Soil									
Carbon Ranges C6-C12	**107**	10.0	mg/kg dry	1	EB62414	03/02/06	03/02/06	EPA 8015M	
Carbon Ranges C12-C28	**1150**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**275**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1530**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/02/06 14:53

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Floor@ 30' (6B28010-01) Soil									
% Moisture	**5.4**	0.1	%	1	EC60101	02/28/06	03/01/06	% calculation	
East Wall (6B28010-02) Soil									
% Moisture	**9.6**	0.1	%	1	EC60101	02/28/06	03/01/06	% calculation	
South Wall (6B28010-03) Soil									
% Moisture	**5.7**	0.1	%	1	EC60101	02/28/06	03/01/06	% calculation	
West Wall (6B28010-04) Soil									
% Moisture	**7.5**	0.1	%	1	EC60101	02/28/06	03/01/06	% 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 EB62414 - Solvent Extraction (GC)										
Blank (EB62414-BLK1)				Prepared: 02/24/06 Analyzed: 03/01/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*47.6*		*mg/kg*	*50.0*		*95.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.9*		*"*	*50.0*		*91.8*	*70-130*			
LCS (EB62414-BS1)				Prepared: 02/24/06 Analyzed: 03/01/06						
Carbon Ranges C6-C12	514	10.0	mg/kg wet	500		103	75-125			
Carbon Ranges C12-C28	496	10.0	"	500		99.2	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Surrogate: 1-Chlorooctane	*59.7*		*mg/kg*	*50.0*		*119*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.5*		*"*	*50.0*		*113*	*70-130*			
Calibration Check (EB62414-CCV1)				Prepared: 02/24/06 Analyzed: 03/02/06						
Carbon Ranges C6-C12	233		mg/kg	250		93.2	80-120			
Carbon Ranges C12-C28	265		"	250		106	80-120			
Total Hydrocarbon C6-C35	498		"	500		99.6	80-120			
Surrogate: 1-Chlorooctane	*53.6*		*"*	*50.0*		*107*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.2*		*"*	*50.0*		*108*	*70-130*			
Matrix Spike (EB62414-MS1)	**Source: 6B23027-01**			Prepared: 02/24/06 Analyzed: 03/02/06						
Carbon Ranges C6-C12	594	10.0	mg/kg dry	530	ND	112	75-125			
Carbon Ranges C12-C28	636	10.0	"	530	102	101	75-125			
Carbon Ranges C28-C35	38.6	10.0	"	0.00	82.9		75-125			
Total Hydrocarbon C6-C35	1270	10.0	"	1060	185	102	75-125			
Surrogate: 1-Chlorooctane	*60.7*		*mg/kg*	*50.0*		*121*	*70-130*			
Surrogate: 1-Chlorooctadecane	*59.0*		*"*	*50.0*		*118*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB62414 - Solvent Extraction (GC)										
Matrix Spike Dup (EB62414-MSD1)	**Source: 6B23027-01**			Prepared: 02/24/06 Analyzed: 03/02/06						
Carbon Ranges C6-C12	591	10.0	mg/kg dry	530	ND	112	75-125	0.506	20	
Carbon Ranges C12-C28	628	10.0	"	530	102	99.2	75-125	1.27	20	
Carbon Ranges C28-C35	44.8	10.0	"	0.00	82.9		75-125	14.9	20	
Total Hydrocarbon C6-C35	1260	10.0	"	1060	185	101	75-125	0.791	20	
Surrogate: 1-Chlorooctane	*60.6*		*mg/kg*	*50.0*		*121*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.0*		*"*	*50.0*		*116*	*70-130*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC60101 - General Preparation (Prep)										
Blank (EC60101-BLK1)				Prepared: 02/28/06 Analyzed: 03/01/06						
% Solids	100		%							
Duplicate (EC60101-DUP1)		**Source: 6B28005-01**		Prepared: 02/28/06 Analyzed: 03/01/06						
% Solids	79.6		%		81.9			2.85	20	
Duplicate (EC60101-DUP2)		**Source: 6B28014-06**		Prepared: 02/28/06 Analyzed: 03/01/06						
% Solids	86.5		%		86.0			0.580	20	

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 3/2/2006

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. DOX 301
City/State/Zip: LOVINGTON, NM 88260
Telephone No: (505) 441-2124
Fax No: (505) 396 ~~369~~-1429
Sampler Signature: BL. Blackwood

Project Name: NORTH HOBBS 8-INCH
Project #: SRS: 2006-059
Project Loc: LEA COUNTY, NM
PO #: PAA / C. REYNOLDS

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 / 8015M	1005	1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL:	BTEX 8021 benzene	RCI	N.O.R.M.	Total Gamma			RUSH TAT (Pre-Schedule)	Standard TAT
082800		2006																															
-01	FLOOR @ 30'	2-28	9:30	1	X									X		X								X								X
-02	EAST WALL	2-28	10:10	1	X									X		X								X								X
-03	SOUTH WALL	2-28	9:45	1	X									X		X								X								X
-04	WEST WALL	2-28	9:55	2	X									X		X								X								X

Special Instructions:

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

Relinquished by:	Date	Time	Received by:	Date	Time
BL. Blackwood	2-28-06	11:25	Linda Blackwood	2/28/06	11:25
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Linda Blackwood	2/28/06	14:20	Carrie Kelly	2/28/06	14:20

2.5°C
Seals/Label

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

Client: Plains

Date/Time: 2/28/06 14:20

Order #: 6B28010

Initials: MK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	2.5 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: North Hobbs 8"

Project Number: SRS: 2006-059

Location: Lea County, NM

Lab Order Number: 6B27013

Report Date: 03/06/06

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/06/06 11:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP 1	6B27013-01	Soil	02/24/06 10:00	02/24/06 17:30

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

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/06/06 11:35

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP 1 (6B27013-01) Soil									
Benzene	**0.0494**	0.0250	mg/kg dry	25	EC60202	03/02/06	03/02/06	EPA 8021B	
Toluene	**0.954**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**2.31**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**5.19**	0.0250	"	"	"	"	"	"	
Xylene (o)	**1.12**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*126 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**217**	10.0	mg/kg dry	1	EC60206	03/02/06	03/02/06	EPA 8015M	
Carbon Ranges C12-C28	**790**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**107**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1110**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*122 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*123 %*	*70-130*		"	"	"	"	

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

Plains All American EH & S	Project: North Hobbs 8"	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS: 2006-059	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/06/06 11:35

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP 1 (6B27013-01) Soil									
% Moisture	**10.9**	0.1	%	1	EB62809	02/27/06	02/28/06	% 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 EC60202 - EPA 5030C (GC)										
Blank (EC60202-BLK1)				Prepared & Analyzed: 03/02/06						
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	*33.0*		*ug/kg*	*40.0*		*82.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.8*		*"*	*40.0*		*87.0*	*80-120*			
LCS (EC60202-BS1)				Prepared & Analyzed: 03/02/06						
Benzene	1.04	0.0250	mg/kg wet	1.25		83.2	80-120			
Toluene	1.13	0.0250	"	1.25		90.4	80-120			
Ethylbenzene	1.29	0.0250	"	1.25		103	80-120			
Xylene (p/m)	2.73	0.0250	"	2.50		109	80-120			
Xylene (o)	1.35	0.0250	"	1.25		108	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.8*		*ug/kg*	*40.0*		*87.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.7*		*"*	*40.0*		*102*	*80-120*			
Calibration Check (EC60202-CCV1)				Prepared & Analyzed: 03/02/06						
Benzene	41.5		ug/kg	50.0		83.0	80-120			
Toluene	46.3		"	50.0		92.6	80-120			
Ethylbenzene	52.9		"	50.0		106	80-120			
Xylene (p/m)	111		"	100		111	80-120			
Xylene (o)	55.5		"	50.0		111	80-120			
Surrogate: a,a,a-Trifluorotoluene	*33.1*		*"*	*40.0*		*82.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.9*		*"*	*40.0*		*94.8*	*80-120*			
Matrix Spike (EC60202-MS1)	**Source: 6B27012-01**			Prepared & Analyzed: 03/02/06						
Benzene	1.04	0.0250	mg/kg dry	1.30	ND	80.0	80-120			
Toluene	1.15	0.0250	"	1.30	ND	88.5	80-120			
Ethylbenzene	1.32	0.0250	"	1.30	ND	102	80-120			
Xylene (p/m)	2.83	0.0250	"	2.60	ND	109	80-120			
Xylene (o)	1.37	0.0250	"	1.30	ND	105	80-120			
Surrogate: a,a,a-Trifluorotoluene	*33.7*		*ug/kg*	*40.0*		*84.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.2*		*"*	*40.0*		*90.5*	*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 EC60202 - EPA 5030C (GC)										
Matrix Spike Dup (EC60202-MSD1)	**Source: 6B27012-01**			Prepared: 03/02/06 Analyzed: 03/03/06						
Benzene	1.05	0.0250	mg/kg dry	1.30	ND	80.8	80-120	0.995	20	
Toluene	1.12	0.0250	"	1.30	ND	86.2	80-120	2.63	20	
Ethylbenzene	1.28	0.0250	"	1.30	ND	98.5	80-120	3.49	20	
Xylene (p/m)	2.72	0.0250	"	2.60	ND	105	80-120	3.74	20	
Xylene (o)	1.35	0.0250	"	1.30	ND	104	80-120	0.957	20	
Surrogate: a,a,a-Trifluorotoluene	*33.7*		*ug/kg*	*40.0*		*84.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.1*		*"*	*40.0*		*90.2*	*80-120*			
Batch EC60206 - Solvent Extraction (GC)										
Blank (EC60206-BLK1)				Prepared & Analyzed: 03/02/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*48.4*		*mg/kg*	*50.0*		*96.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.3*		*"*	*50.0*		*92.6*	*70-130*			
LCS (EC60206-BS1)				Prepared & Analyzed: 03/02/06						
Carbon Ranges C6-C12	538	10.0	mg/kg wet	500		108	75-125			
Carbon Ranges C12-C28	501	10.0	"	500		100	75-125			
Total Hydrocarbon C6-C35	1040	10.0	"	1000		104	75-125			
Surrogate: 1-Chlorooctane	*58.6*		*mg/kg*	*50.0*		*117*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.3*		*"*	*50.0*		*117*	*70-130*			
Calibration Check (EC60206-CCV1)				Prepared: 03/02/06 Analyzed: 03/03/06						
Carbon Ranges C6-C12	233		mg/kg	250		93.2	80-120			
Carbon Ranges C12-C28	270		"	250		108	80-120			
Total Hydrocarbon C6-C35	503		"	500		101	80-120			
Surrogate: 1-Chlorooctane	*54.6*		*"*	*50.0*		*109*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.4*		*"*	*50.0*		*109*	*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 EC60206 - Solvent Extraction (GC)										
Matrix Spike (EC60206-MS1)	**Source: 6B27012-06**			Prepared & Analyzed: 03/02/06						
Carbon Ranges C6-C12	571	10.0	mg/kg dry	527	ND	108	75-125			
Carbon Ranges C12-C28	507	10.0	"	527	ND	96.2	75-125			
Total Hydrocarbon C6-C35	1080	10.0	"	1050	ND	103	75-125			
Surrogate: 1-Chlorooctane	*57.1*		*mg/kg*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*55.5*		*"*	*50.0*		*111*	*70-130*			
Matrix Spike Dup (EC60206-MSD1)	**Source: 6B27012-06**			Prepared & Analyzed: 03/02/06						
Carbon Ranges C6-C12	561	10.0	mg/kg dry	527	ND	106	75-125	1.77	20	
Carbon Ranges C12-C28	504	10.0	"	527	ND	95.6	75-125	0.593	20	
Total Hydrocarbon C6-C35	1070	10.0	"	1050	ND	102	75-125	0.930	20	
Surrogate: 1-Chlorooctane	*59.2*		*mg/kg*	*50.0*		*118*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.1*		*"*	*50.0*		*108*	*70-130*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB62809 - General Preparation (Prep)										
Blank (EB62809-BLK1)				Prepared: 02/27/06 Analyzed: 02/28/06						
% Solids	100		%							
Duplicate (EB62809-DUP1)		**Source: 6B27001-01**		Prepared: 02/27/06 Analyzed: 02/28/06						
% Solids	92.9		%		92.7			0.216	20	
Duplicate (EB62809-DUP2)		**Source: 6B27012-03**		Prepared: 02/27/06 Analyzed: 02/28/06						
% Solids	96.2		%		95.5			0.730	20	

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 3/6/2006

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) 396 OR 369-1429
Sampler Signature: Ken Dutton

Project Name: NORTH HOBBS 8-INCH
Project #: SRS: 2006-059
Project Loc: LEA COUNTY, NM
PO #: C. REYNOLDS/PAA

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 (8015M) 1005 1006	TOTAL: Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma	RUSH TAT (Pre-Schedule)	Standard TAT
401	SP 1	24 FEB 2006	1000	1	X									X		X							X					X
402	SP 2	24 FEB	1010	1	X									X		— DISCARD							—					X

Special Instructions: HOLD FOR ANALYSIS INSTRUCTIONS. Ken Dutton

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments: 2.5 for jar
jar seal / label

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	24FEB06	1020	Lynda Blackwood	2/24/06	1020
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Lynda Blackwood	2/24/06	15:30	Cindi Lacy	2/24/06	5:30

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

Client: Plains | Basin

Date/Time: 2/24/06 5:30

Order #: 6B27013

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:

_____

_____

_____

_____

_____

_____

_____

_____

Jeanne McMurrey

From: "Ken Dutton" <kdutton@basinenv.com>
To: "Jeanne" <jeanne@elabtexas.com>
Cc: "Camille Reynolds" <cjreynolds@paalp.com>
Sent: Monday, February 27, 2006 10:02 AM
Subject: Hobbs North 8-Inch COC

Jeanne,

Reference the Hobbs North 8-Inch COC which had instructions to "hold for analytical instructions."

Please run the following analyticals on the soil sample:

SB1, TPH (8015M) & BTEX (8021B/5030)

SB2 is not needed, please discard.

Questions, let me know.

thxs

Ken

--

Plains Marketing, L. P.
North Hobbs 8-Inch Site
Lea County, New Mexico
SW/SW S29, T18S, R38E
SRS No. 2006-059

Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
Excvation Floor 18 feet bgs					
5		674 ppm	Heavy	Heavy	Caliche Layer, Dry
10		621 ppm	Heavy	Heavy	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Dry, Imbeeded w/caliche nodules
15		250 ppm	Moderate	None	Sand Stone Layer (12' - 14' bgs), Dry Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Dry
20		115 ppm	None	None	
25		183 ppm	Slight	None	
30		54.8 ppm	Slight	None	
35		71.8 ppm	Slight	None	
⊽ 40		0.1 ppm	None	None	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Wet
45	TD				

Soil Boring Completion Data

TD: 45 Feet bgs

Installed 08 March 2006
Basin Environmental
Service Technologies

Samples selected for analysis

Groundwater Level

Soil Boring Completion Data

9 bags of hydrated Bentonite Plug, Surface to 45' bgs, 1 bag Cement at Bottom

TITLE	DESCRIPTION
Appendix C North Hobbs 8-Inch	Soil Boring 1
DRAWN BY	DATE
KAD	21 April 2006

Plains Marketing, L. P.
North Hobbs 8-Inch Site
Lea County, New Mexico
SW/SW S29, T18S, R38E
SRS No. 2006-059

Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
5		0.1 ppm	None	None	Caliche Layer to 19' bgs, Dry
10		0.1 ppm	None	None	
15		0.1 ppm	None	None	
20		0.1 ppm	None	None	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Dry, Imbedded w/caliche nodules
25		0.1 ppm	None	None	
30		0.1 ppm	None	None	Sand Stone Layer (26' - 29' bgs) Dry
35		0.1 ppm	None	None	
40		0.1 ppm	None	None	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Dry
45		0.1 ppm	None	None	
50		0.1 ppm	None	None	
55		0.1 ppm	None	None	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Moist
⏚ 60					
65 TD					

Installed 13 March 2006
Basin Environmental
Service Technologies

☐ Samples selected for analysis

Monitoring Well Completion Data

⏚ Groundwater Depth

TD: 65 Feet bgs

25 Feet , 2" .010 PVC Screen

45 Feet, 2" PVC Riser

35 Feet, Depth to Sand Pack

35 Feet to Surface,
Hydrated Bentonite Seal

2 X 2 Feet Concrete Surface Pad installed w/4 X 60 inch metal locking square protector

TITLE	DESCRIPTION
Appendix C North Hobbs 8-Inch	Monitoring Well 1
DRAWN BY	**DATE**
KAD	21 April 2006

Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
5		0.1 ppm	None	None	Caliche Layer to 19' bgs, Dry
10		0.1 ppm	None	None	
15		0.1 ppm	None	None	
20		0.1 ppm	None	None	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Dry, Imbedded w/caliche nodules
25		0.1 ppm	None	None	
30		0.1 ppm	None	None	Sand Stone Layer (27' - 29' bgs) Dry
35		0.1 ppm	None	None	
40		0.1 ppm	None	None	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Dry
45		0.1 ppm	None	None	
50		0.1 ppm	None	None	
55		0.1 ppm	None	None	
⏚ 60					Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Moist
65 TD					

Plains Marketing, L. P.
North Hobbs 8-Inch Site
Lea County, New Mexico
SW/SW S29, T18S, R38E
SRS No. 2006-059

Installed 13 March 2006
Basin Environmental
Service Technologies

☐ Samples selected for analysis

Monitoring Well Completion Data

⏚ Groundwater Depth

TD: 65 Feet bgs

25 Feet , 2" .010 PVC Screen

45 Feet, 2" PVC Riser

35 Feet, Depth to Sand Pack

35 Feet to Surface,
Hydrated Bentonite Seal

2 X 2 Feet Concrete Surface Pad installed w/4 X 60 inch metal locking square protector

TITLE	DESCRIPTION
Appendix C North Hobbs 8-Inch	Monitoring Well 2
DRAWN BY KAD	DATE 21 April 2006

Depth	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
5	0.1 ppm	None	None	Caliche Layer to 22' bgs, Dry
10	0.1 ppm	None	None	
15	0.1 ppm	None	None	
20	0.1 ppm	None	None	
25	0.1 ppm	None	None	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Dry,
30	0.1 ppm	None	None	
35	0.1 ppm	None	None	
40	0.1 ppm	None	None	
45	0.1 ppm	None	None	
50	0.1 ppm	None	None	
55	0.1 ppm	None	None	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Moist
⊽ 60				
65 TD				

Plains Marketing, L. P.
North Hobbs 8-Inch Site
Lea County, New Mexico
SW/SW S29, T18S, R38E
SRS No. 2006-059

Installed 14 March 2006
Basin Environmental
Service Technologies

☐ Samples selected for analysis

Monitoring Well Completion Data

⊽ Groundwater Depth

TD: 65 Feet bgs

25 Feet , 2" .010 PVC Screen

45 Feet, 2" PVC Riser

35 Feet, Depth to Sand Pack

35 Feet to Surface,
Hydrated Bentonite Seal

2 X 2 Feet Concrete Surface Pad
installed w/4 X 60 inch metal locking
square protector

TITLE	DESCRIPTION
Appendix C North Hobbs 8-Inch	Monitoring Well 3
DRAWN BY KAD	DATE 21 April 2006

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company Plains Pipeline	Contact Camille Reynolds
Address 3112 W. US Hwy 82, Lovington, NM 88260	Telephone No. 505-441-0965
Facility Name North Hobbs 8 Inch	Facility Type 8"Steel Pipeline

Surface Owner R,M and S Enterprises	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
M	29	18S	38E					Lea

Latitude 32° 42' 40.2" Longitude 103° 10' 41.7"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 10 barrels	Volume Recovered 3 barrels
Source of Release 8" Steel Pipeline	Date and Hour of Occurrence 2-09-06 @ 9:00	Date and Hour of Discovery 2-09-06 @ 10:00
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Pat Caperton	
By Whom? Camille Reynolds	Date and Hour 2-09-06 @ 11:00	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Internal corrosion of a 8 inch steel pipeline resulted in a release of sour crude oil. A clamp was installed on the line to mitigate the release. The line is a 8 inch steel gathering pipeline that produces approximately 200 barrels of crude oil per day. The pressure on the line is approximately 20 psi and the gravity of the sour crude oil is 37. The sour crude has an H_2S content of 210 ppm. The line was approximately 1.5 feet bgs at the release point.

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was approximately 400 ft^2.

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

Signature Camille Reynolds	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: 2-14-06 Phone: 505-441-0965	