PLAINS
MARKETING, L.P.

SB #(MISSING? E-MAIL ? DOES CH OK PROPOSAL?
SITE HAS NOT BEEN SUFFICIENTLY DELINEATED TO PROPOSE ANYTHING.

July 19, 2004

Mr. Larry Johnson
State of New Mexico
Oil Conservation Division
1625 French Drive
Hobbs, New Mexico 88240

Re: Preliminary Site Investigation Report and Remediation Plan
Plains Marketing – Chevron-Texaco Monument 12 Site
NE/4, SW/4, Section 12, T19S, R36E
Lea County, New Mexico
Plains EMS No.: 2004-00142

Dear Mr. Johnson:

Please find attached a copy of the Preliminary Site Investigation and Remediation Plan for the above-referenced site. This crude oil release occurred in early May 2004 and is located at an active Chevron-Texaco tank battery. Partial excavation of the impacted production pad has been conducted and the release has been delineated. Based on the location of this release on an active production site, Plains Marketing and Chevron-Texaco request an expedited review of the investigation report and proposed remediation plan. Upon your approval of this plan, Plains will expedite remediation activities.

Should you have any questions or comments concerning the proposed remediation plan, please contact me at (713) 646-4657 or Doug Kennedy at (713) 646-4610.

Sincerely,

Jeffrey P. Dann, P.G.
Sr. Environmental Specialist
Plains All American

CC: Nathan Mouser, Chevron-Texaco

File: c/jeff-files/2004-00142-OCDcover1

Plains = 34053
Facility ID = fPAC0601953470
Incident = nPAC0601953803
Application = pPAC0601953983

PRELIMINARY SITE INVESTIGATION REPORT
and
REMEDIATION PLAN

PLAINS MARKETING L.P.
CHEVRON-TEXACO MONUMENT 12
Lea County, New Mexico
NE ¼ SW ¼ Section 12, Township 19S, Range 36E

Prepared For:

Plains Marketing, L.P.
333 Clay Street
Suite 1600
Houston, Texas 77002
EMS No. 2004-00142

Prepared By:
Allstate Environmental Services, LLC
P. O. Box 11322
Midland, Texas 79702

06July 2004

Ken Dutton
Allstate Environmental Services, LLC

INTRODUCTION

Allstate Environmental Services, LLC (AES) conducted a subsurface investigation of a transport truck release for Plains Marketing L.P., located on the Chevron-Texaco Monument 12 lease. The investigation was conducted in order to document subsurface conditions resulting from a release of crude oil at this facility.

This site is located in NE¼ of the SW¼, Section 12, Township 19 South, Range 36 East in Lea County, New Mexico (topographic Site Location Map is attached as Figure 1). The site is characterized by a producing well and a tank battery. The stained area is located in the middle of the gravel pad and to the east of the tank battery covering an area approximately 150 feet by 70 feet. Approximately 92 barrels of crude oil were released from a Plains Marketing transport truck and approximately 25 barrels were recovered.

An Emergency One-Call was initiated 10 May 2004 and all affected companies either cleared or marked their respective lines.

Mr. Leon Anderson, New Mexico State Land Office was notified and visited the site to ascertain the extent the release. Mr. Larry Johnson, New Mexico Oil Conservation Division, Hobbs District 1 was verbally notified of the release on May 9, 2004.

SUMMARY OF FIELD ACTIVITIES

On 10 May 2004, AES employee Bobby Blackwood arrived at the Chevron-Texaco Monument 12 tank battery to conduct a preliminary site investigation and determine the nature and extent of hydrocarbon impact of the area. The area directly east of the tank battery contained an electrical panel with numerous 480-volt lines powering the equipment inside the tank battery (see Figure 2). Due to safety concerns, hand excavation to expose these lines was initiated prior to mechanized excavation. The area east of the Power Panel, approximately 36 feet by 45 feet was excavated to approximately 4 feet below ground surface (bgs) and the contaminated soil and caliche placed on a 40-mil plastic liner. The Power Panel was relocated and excavation was initiated in an area approximately 96 feet by 60 feet to a depth of approximately 5 feet bgs. This impacted soil and caliche was also placed on a 40-mil plastic liner.

On May 12, 2004, AES employee Ken Dutton installed 7 soil borings, utilizing Straub Corporation, Stanton, Texas, collecting representative soil samples every 5 feet in order to delineate the horizontal and vertical contamination of the transport truck release (a Site Plan is attached as Figure 2). These soil borings were installed at the release point and continued within the visually stained area. The soil borings ranged in depth of 35 feet bgs to 60 feet bgs (soil boring logs are attached). Each sample was screened with a photoionization detector (PID) calibrated 12 May 2004. The soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX),

total petroleum hydrocarbons – gasoline range organics/diesel range organics (TPH-GRO/DRO).

A search of the New Mexico State Engineers database revealed a depth to water of 40 feet bgs; however, the actual depth to water at this location is 58 feet to 60 feet bgs based on installation of the soil borings. There are no surface water bodies or water wells within 1000 feet of the release site. Based on this data, the site has an NMOCD Ranking Score of >19, which sets the remediation levels at:

Benzene: 10 ppm

BTEX: 50 ppm

TPH: 100 ppm

Distribution of Hydrocarbons in the Unsaturated Zone

On initiation of the site investigation, soil samples were collected in the subsurface from the soil borings at 5 feet intervals utilizing a drill rig to determine the vertical extent of hydrocarbon contamination in the soil. No visual observation of free phase crude oil was encountered during the installation of the 7 soil borings or excavation of the east area. A PID reading of 1568 ppm was recorded from a surface sample in the impacted east area. PID field screenings were utilized to determine which soil samples were to be submitted to the laboratory for analysis. Laboratory data sheets and chain-of-custody form are attached.

Soil Boring 1, as depicted on the site map, was installed in the east area. Samples collected at the 5, 15, 20 and 25 feet bgs were analyzed. The bottom hole, 35 feet bgs sample was additionally analyzed for BTEX and TPH. Analytical results indicated that BTEX was below NMOCD regulatory standards on all soil samples. Analytical results indicated that TPH was below NMOCD regulatory standards at the 5, 15, 20 and 35 feet bgs. The 25 feet bgs sample exceeded the NMOCD regulatory standard at 173 mg/kg.

SB # 1. LOG DATA NOT ATTACHED

Soil Boring 2, as depicted on the site map, was installed in the far east area and BTEX and TPH concentrations were not detected above the laboratory method detection limits on the 20 and 35 feet bgs soil samples.

Soil Boring 3, as depicted on the site map, was installed in the east area adjacent to the tank battery fence. The 5 feet bgs soil sample indicated BTEX was below NMOCD regulatory standards and TPH exceeded NMOCD regulatory standards at 303 mg/kg. The 35 feet bgs soil sample was non-detect for BTEX and TPH.

Soil Boring 4, as depicted on the site map, was installed in the east area adjacent to the tank battery fence. The 5 feet bgs soil sample indicated BTEX was below

NMOCD regulatory standards and TPH exceeded NMOCD regulatory standards at 243 mg/kg. The 35 feet bgs sample indicated that BTEX and TPH were below NMOCD regulatory standards.

Soil Boring 5, as depicted on the site map, was installed at the release point. This soil boring was drilled into the vadose zone and a soil sample collected. Analytical results indicated that the 25 feet and 59 feet bgs soil samples were below NMOCD regulatory standards for BTEX and TPH.

Soil Boring 6, as depicted on the site map, was installed in the middle of the production pad. This soil boring was drilled into the vadose zone and a soil sample collected. Analytical results indicated that BTEX was below the NMOCD regulatory standards at 5, 20, 25 and 59 feet bgs collection levels. TPH was above NMOCD regulatory standards at the 5, 20 and 25 feet bgs at concentrations of 182 mg/kg, 106 mg/kg, and 164 mg/kg, respectively.

Soil Boring 7, as depicted on the site map, was installed in the east area. This soil boring was drilled into the vadose zone and a sample collected. Analytical results indicated that BTEX and TPH were below NMOCD regulatory standards.

CLOSURE PROPOSAL FOR SITE SOIL

Approximately 1758 cubic yards of hydrocarbon impacted soil remains at the site and is represented by approximately five feet of impacted soil remaining beneath the excavation floor. It is proposed to isolate the remaining source term with an impermeable barrier constructed of dense compactable red clay with a minimum permeability of 1×10^{-5} cm/sec. The barrier will extend a minimum of four feet beyond the edges of soil impacted above the NMOCD remedial thresholds and will be a minimum of one-foot thick. The barrier will be installed in six-inch lifts, compacted and tested to verify that the compaction has achieved a minimum of 95% its Proctor Density. Installation of the clay barrier at a depth of approximately six feet bgs will protect the barrier from erosion and human intrusion for a term sufficient to allow natural biodegradation of contaminants in the soil. After the barrier has been installed and tested to be acceptable, the excavation will be backfilled with rock separated from the stockpiled soil (pursuant to standard NMOCD practices). Soil separated from the rock will be sampled for TPH and BTEX at a rate of one sample per 250 cubic yards. Soil with TPH concentration less than 100 ppm, benzene concentrations less than 10 ppm and total BTEX concentrations less than 50 ppm will be utilized as backfill. Soil, which exceeds these criteria, will be removed and transported to Plains Centralized Land Farm at Lea Station.

RECOMMENDATIONS FOR REMEDIATION

The east area adjacent to the tank battery has been excavated to an approximate depth of 4 feet bgs. The release point and middle of the tank battery pad have not been excavated. Due to the remote area of this location and lack of receptors it is recommended that the following actions be taken.

- PID readings taken at the 4 feet bgs depth interval indicated VOC levels of well below 100 ppm. It is recommended that confirmation soil samples be collected in the east area to document contaminate levels. Based on the results of the soil delineation investigation, it is recommended that a 1-foot thick clay cap barrier be installed to inhibit vertical migration of contaminates in soil left in place below the cap. Plains proposes to mechanically separate the rock and soil and the rock will be placed back in the excavation over the cap. The separated (impacted) soil will be sampled and analyzed for TPH and BTEX to determine if regulatory standards have been met and possibly be utilized as backfill. If the separated soil cannot meet NMOCD regulatory standards it will be transported to a certified New Mexico land farm.

- Excavate the middle of the tank battery pad (release area) to a depth of 5 to 6 feet bgs and stockpile. It is recommended that confirmation soil samples be collected in the middle of the tank battery area to document contaminate levels. Based on the results of the soil delineation investigation, it is recommended that a 1-foot thick clay cap barrier be installed to inhibit vertical migration of contaminates in soil left in place below the cap. Plains proposes to mechanically separate the rock and soil and the rock will be placed back in the excavation over the cap. The separated (impacted) soil will be sampled and analyzed for TPH and BTEX to determine if regulatory standards have been met and possibly be utilized as back fill. If the separated soil cannot meet NMOCD regulatory standards it will be transported to a certified New Mexico land farm.

QA/QC PROCEDURES

Soil Sampling

Soil samples were delivered to Environmental Lab of Texas, Inc. in Midland, Texas for BTEX and TPH. Soil samples were analyzed for BTEX and 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

As ground water was not encountered during the investigation process, no water samples were obtained.

Decontamination Of Equipment

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

Laboratory Protocol

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

LIMITATIONS

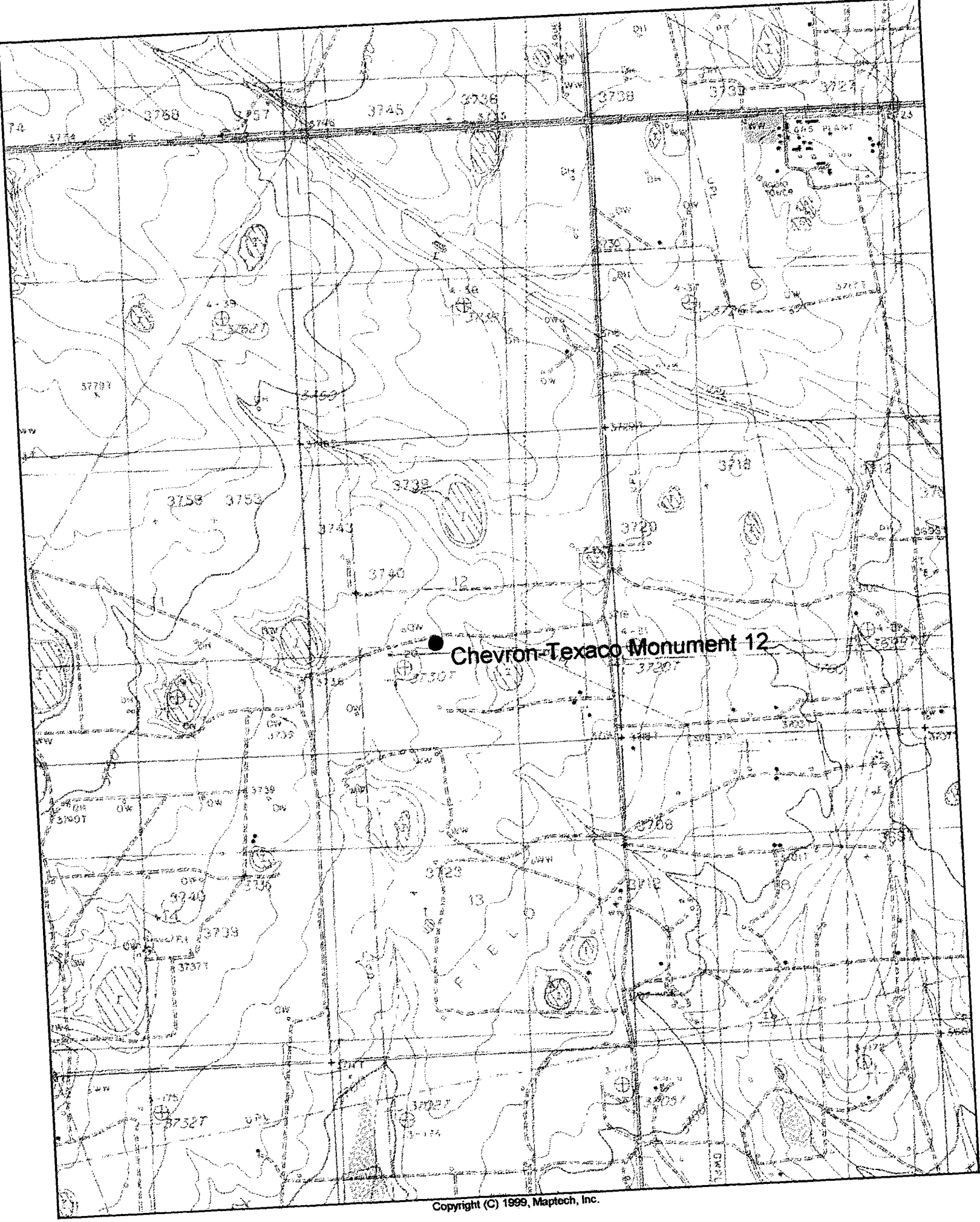
Allstate Environmental Services, LLC has prepared this Preliminary Investigation Report and Remediation Plan to the best of its ability. No other warranty, expressed or implied, is made or intended.

Allstate Environmental Services, LLC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Allstate Environmental Services, 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. Allstate Environmental Services, LLC has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Allstate Environmental Services, 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 Allstate Environmental Services, LLC, and Plains Marketing, L.P.

FIGURE 1

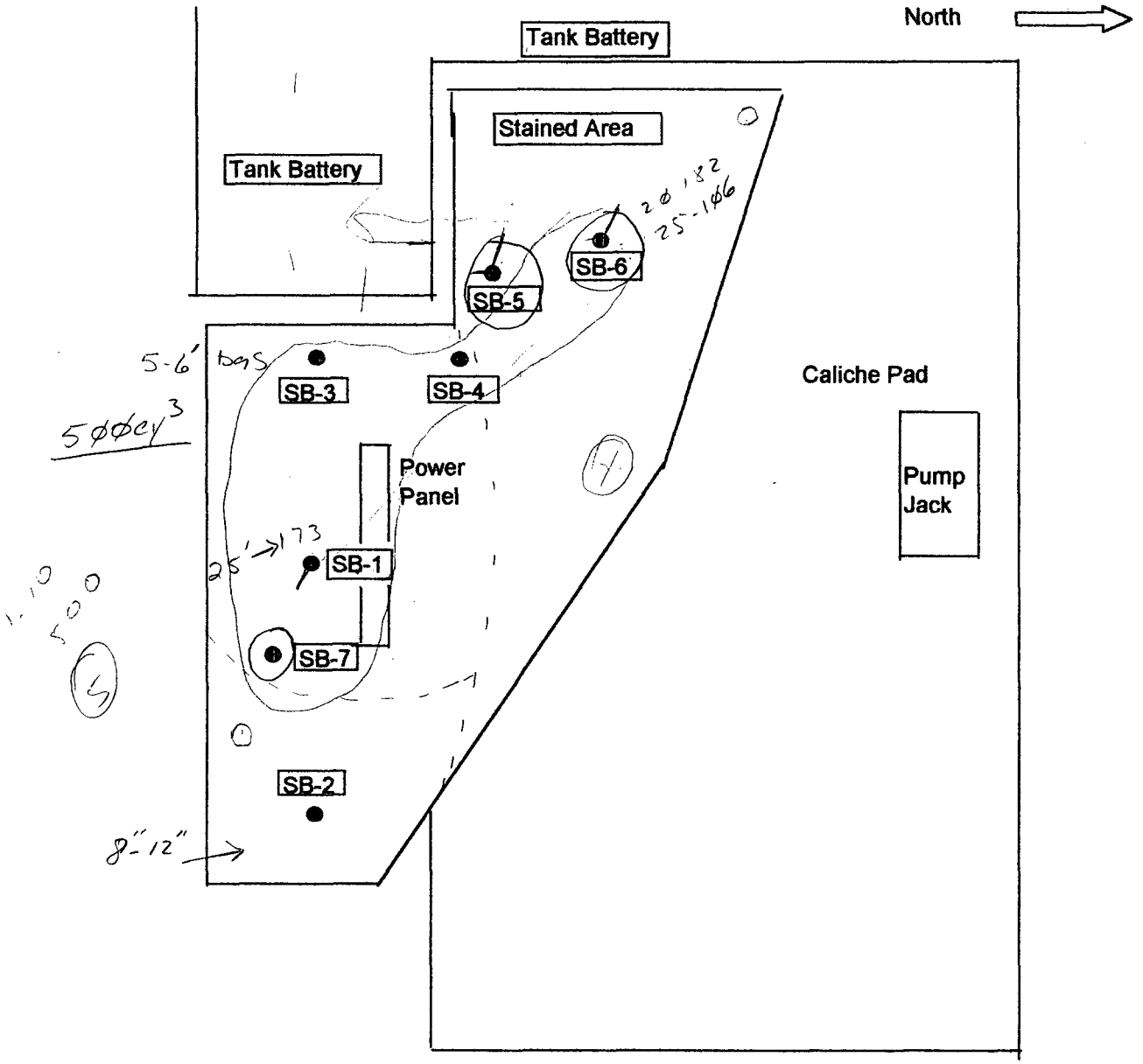
SITE LOCATION MAP



Copyright (C) 1999, Maptech, Inc.

FIGURE 2

SITE MAP


North
Tank Battery
Stained Area
Tank Battery
SB-6
SB-5
SB-3
SB-4
Caliche Pad
Power
Panel
Pump
Jack
SB-1
SB-7
SB-2

Not to Scale

TABLE 1

TABLE 1

SOIL CHEMISTRY

PLAINS MARKETING LP
CHEVRON-TEXACO MONUMENT 12
LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030				METHOD: 8015M		
		BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	TOTAL TPH (mg/kg)
SB-1 5'	05/12/04	<0.025	<0.025	0.025	0.084	16.5	76.5	93.0
SB-1 15'	05/12/04	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
SB-1 20'	05/12/04	<0.025	<0.025	<0.025	<0.025	<10	13.6	13.6
SB-1 25'	05/12/04	<0.025	0.149	0.123	0.591	31	142	173
SB-1 35'	05/12/04	<0.025	<0.025	<0.25	0.046	<10	14.5	14.5
SB-2 20'	05/12/04	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
SB-2 35'	05/12/04	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
SB-3 5'	05/12/04	<0.025	<0.025	<0.025	0.086	25	278	303
SB-3 35'	05/12/04	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
SB-4 5'	05/12/04	<0.025	0.039	0.100	0.426	46.5	196	243
SB-4 35'	05/12/04	<0.025	<0.025	<0.025	<0.025	<10	15.1	15.1
SB-5 25'	05/12/04	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
SB-5 59'	05/12/04	<0.025	<0.025	<0.025	<0.025	<10	10.6	10.6
SB-6 5'	05/12/04	<0.025	0.026	0.061	0.284	30.9	151	182
SB-6 20'	05/12/04	<0.025	<0.025	<0.025	0.052	15.7	90	106
SB-6 25'	05/12/04	<0.025	<0.025	0.081	0.373	38.4	126	164
SB-6 59'	05/12/04	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
SB-7 5'	05/13/04	<0.025	<0.025	<0.025	<0.025	<10	12.4	12.4
SB-7 35'	05/13/04	<0.025	<0.025	0.033	0.123	<10	42.8	42.8
SB-7 60'	05/13/04	<0.025	<0.025	<0.025	<0.025	<10	<10	<10

SOIL BORING LOGS

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Plains Pipeline, LP Work Phone: _____
Contact: _____ Home Phone: _____
Address: 333 Clay Street, Suite 1600
_____
City: Houston, State: TX Zip: 77005

2. LOCATION OF WELL (A, B, C, or D required, E or F if known)

A. ____1/4 ____1/4 ____1/4 Section:____ Township:____ Range:____ N.M.P.M.
in _____ County.
B. X =_____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____
C. Latitude: ____32d ___41m ___06s Longitude:_____103d ___18m ___09s
D. East _____ (m), North _____ (m), UTM Zone 13, NAD __ (27 or 83)
E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey
F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.
G. Other: _____
H. Give State Engineer File Number if existing well: _____
I. On land owned by (required): _____

3. DRILLING CONTRACTOR

License Number: _____
Name: Straub Corporation Work Phone: 432-756-3489
Agent: Edward Bryan Home Phone: _____
Mailing Address: P.O. Box 192
_____
City: Stanton State: TX Zip: 79782

4. DRILLING RECORD

Drilling began: 05/12/2004 ; Completed: 05/13/2004 ; Type tools: Air Rotary Drilling Rig;
Size of hole: 5 in.; Total depth of well: 35 ft.;
Completed well is: _____ (shallow, artesian);
Depth to water upon completion of well: _____ ft.
File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA

Depth in Feet Thickness Description of Estimated Yield
From To in feet water-bearing formation (GPM)

_____ _____ _____ _____ _____
_____ _____ _____ _____ _____
_____ _____ _____ _____ _____
_____ _____ _____ _____ _____

6. RECORD OF CASING

Diameter Pounds Threads Depth in Feet Length Type of Shoe Perforations
(inches) per ft. per in. Top Bottom (feet) From To

_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet Hole Sacks Cubic Feet Method of Placement
From To Diameter of mud of Cement

_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____

8. PLUGGING RECORD

Plugging Contractor: Straub Corporation
Address: P.O. Box 192, Stanton, Texas 79782
Plugging Mcthod: Pouring Bcntonitc Holcplug
Date Well Plugged: 05/13/2004
Plugging approved by: _____
State Engineer Representative

No.	Dcpth in Fcct		Cubic Fcct of Cemcnt
	Top	Bottom	
1	0	35	8 bags holeplug
2			
3			
4			
5			

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE

Depth in Feet From	To in feet	Thickness	Color and Type of Material Encountered
SB-2, Lea County, New Mexico			
0	13	13	Caliche, Tan Silty Sand
13	21	08	Limestone Layers, Tan Silty Sand
21	35	14	Limestone (Hard)

SB #2

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS:

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Edward Bryan _____ 05/13/2004
Driller (mm/dd/year)

FOR STATE ENGINEER USE ONLY
Quad _____; FWL _____; FSL _____; Use _____; Location No. _____
File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Plains Pipeline, LP Work Phone: _____
Contact: _____ Home Phone: _____
Address: 333 Clay Street, Suite 1600
_____
City: Houston, State: TX Zip: 77005

2. LOCATION OF WELL (A, B, C, or D required, E or F if known)

A. ____1/4 ____1/4 ____1/4 Section:____ Township:____ Range:____ N.M.P.M.
in _____ County.
B. X =_____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____
C. Latitude: ____32d ___41m ___06s Longitude:_____103d ___18m ___09s
D. East _____ (m), North _____ (m), UTM Zone 13, NAD __ (27 or 83)
E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey
F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.
G. Other: _____
H. Give State Engineer File Number if existing well: _____
I. On land owned by (required): _____

3. DRILLING CONTRACTOR

License Number: _____
Name: Straub Corporation Work Phone: 432-756-3489
Agent: Edward Bryan Home Phone: _____
Mailing Address: P.O. Box 192
_____
City: Stanton State: TX Zip: 79782

4. DRILLING RECORD

Drilling began: 05/12/2004 ; Completed: 05/13/2004 ; Type tools: Air Rotary Drilling Rig;
Size of hole: 5 in.; Total depth of well: 35 ft.;
Completed well is: _____ (shallow, artesian);
Depth to water upon completion of well: _____ ft.
File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA

Depth in Feet Thickness Description of Estimated Yield
From To in feet water-bearing formation (GPM)

_____ _____ _____ _____ _____
_____ _____ _____ _____ _____
_____ _____ _____ _____ _____
_____ _____ _____ _____ _____

6. RECORD OF CASING

Diameter Pounds Threads Depth in Feet Length Type of Shoe Perforations
(inches) per ft. per in. Top Bottom (feet) From To

_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet Hole Sacks Cubic Feet Method of Placement
From To Diameter of mud of Cement

_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____

8. PLUGGING RECORD

Plugging Contractor: Straub Corporation
Address: P.O. Box 192, Stanton, Texas 79782
Plugging Method: Pouring Bentonite Holeplug
Date Well Plugged: 05/13/2004
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Bottom	Cubic Feet of Cement
1	0	35	8 bags holeplug
2			
3			
4			
5			

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE

Depth in Feet From	To in feet	Thickness	Color and Type of Material Encountered
SB-3, Lea County, New Mexico			
0	21	21	Caliche, Tan Sand, Limestone Layers
21	35	14	Limestone (Hard), Tan Sand

SB #3

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS:

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Edward Bryan 05/13/2004
Driller (mm/dd/year)

FOR STATE ENGINEER USE ONLY
Quad _____; FWL _____; FSL _____; Use _____; Location No. _____
File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Plains Pipeline, LP Work Phone: _____
Contact: _____ Home Phone: _____
Address: 333 Clay Street, Suite 1600
_____
City: Houston, State: TX Zip: 77005

2. LOCATION OF WELL (A, B, C, or D required, E or F if known)

A. ____1/4 ____1/4 ____1/4 Section:____ Township:____ Range:____ N.M.P.M.
in _____ County.
B. X =_____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____
C. Latitude: ____32d ____41m ____06s Longitude:_____103d ____18m ____09s
D. East _____ (m), North _____ (m), UTM Zone 13, NAD __ (27 or 83)
E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey
F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.
G. Other: _____
H. Give State Engineer File Number if existing well: _____
I. On land owned by (required): _____

3. DRILLING CONTRACTOR

License Number: _____
Name: Straub Corporation Work Phone: 432-756-3489
Agent: Edward Bryan Home Phone: _____
Mailing Address: P.O. Box 192
_____
City: Stanton State: TX Zip: 79782

4. DRILLING RECORD

Drilling began: 05/12/2004 ; Completed: 05/13/2004 ; Type tools: Air Rotary Drilling Rig;
Size of hole: 5 in.; Total depth of well: 35 ft.;
Completed well is: _____ (shallow, artesian);
Depth to water upon completion of well: _____ ft.
File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA

Depth in Feet Thickness Description of Estimated Yield
From To in feet water-bearing formation (GPM)

_____ _____ _____ _____ _____
_____ _____ _____ _____ _____
_____ _____ _____ _____ _____
_____ _____ _____ _____ _____

6. RECORD OF CASING

Diameter Pounds Threads Depth in Feet Length Type of Shoe Perforations
(inches) per ft. per in. Top Bottom (feet) From To

_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet Hole Sacks Cubic Feet Method of Placement
From To Diameter of mud of Cement

_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____

8. PLUGGING RECORD

Plugging Contractor: Straub Corporation
Address: P.O. Box 192, Stanton, Texas 79782
Plugging Mcthod: Pouring Bcntonitc Holcplug
Date Well Plugged: 05/13/2004
Plugging approved by: _____
State Engineer Representative

No.	Dcpth in Fcct Top	Bottom	Cubic Fcct of Ccmcnt
1	0	35	8 bags holeplug
2			
3			
4			
5			

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE

Depth in Feet From	To in feet	Thickness	Color and Type of Material Encountered
SB-4, Lea County, New Mexico			
0	21	21	Tan Silty Sand, Caliche
21	35	14	Hard Limestone, Tan Sand

SB #4

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS:

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described holc.

Edward Bryan 05/13/2004
Driller (mm/dd/year)

FOR STATE ENGINEER USE ONLY
Quad _____; FWL _____; FSL _____; Use _____; Location No. _____
File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Plains Pipeline, LP Work Phone: _____
Contact: _____ Home Phone: _____
Address: 333 Clay Street, Suite 1600
_____
City: Houston, State: TX Zip: 77005

2. LOCATION OF WELL (A, B, C, or D required, E or F if known)

A. ____1/4 ____1/4 ____1/4 Section:____ Township:____ Range:____ N.M.P.M.
in _____ County.
B. X =_____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____
C. Latitude: ____32d ___41m ___06s Longitude:_____103d ___18m ___09s
D. East _____ (m), North _____ (m), UTM Zone 13, NAD __ (27 or 83)
E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey
F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.
G. Other: _____
H. Give State Engineer File Number if existing well: _____
I. On land owned by (required): _____

3. DRILLING CONTRACTOR

License Number: _____
Name: Straub Corporation Work Phone: 432-756-3489
Agent: Edward Bryan Home Phone: _____
Mailing Address: P.O. Box 192
_____
City: Stanton State: TX Zip: 79782

4. DRILLING RECORD

Drilling began: 05/12/2004 ; Completed: 05/13/2004 ; Type tools: Air Rotary Drilling Rig;
Size of hole: 5 in.; Total depth of well: 60 ft.;
Completed well is: _____ (shallow, artesian);
Depth to water upon completion of well: _____ ft.
File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA

Depth in Feet Thickness Description of Estimated Yield
From To in feet water-bearing formation (GPM)

_____ _____ _____ _____ _____
_____ _____ _____ _____ _____
_____ _____ _____ _____ _____
_____ _____ _____ _____ _____

6. RECORD OF CASING

Diameter Pounds Threads Depth in Feet Length Type of Shoe Perforations
(inches) per ft. per in. Top Bottom (feet) From To

_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet Hole Sacks Cubic Feet Method of Placement
From To Diameter of mud of Cement

_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____

8. PLUGGING RECORD

Plugging Contractor: Straub Corporation
Address: P.O. Box 192, Stanton, Texas 79782
Plugging Method: Pouring Bentonite Holeplug/Cement Grout
Date Well Plugged: 05/13/2004
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Bottom	Cubic Feet of Cement
1	0	2	1 bag concrete
2	2	35	8 bags holeplug
3	35	60	3 bags Cement grout
4			
5			

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE

Depth in Feet From	To in fcct	Thickness	Color and Type of Material Encountered
SB-5, Lea County, New Mexico			
0	18	18	Tan Silty Sand, Caliche
18	22	4	Limestone , Tan Silty Sand
22	45	23	Limestone (Hard), Tan Silty Sand
45	50	5	Tan Silty Sand
50	54	4	Tan Silty Sand
54	60	6	Tan Sand, Limestone

SB #5

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS:

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Edward Bryan _____ 05/13/2004
Driller (mm/dd/year)

FOR STATE ENGINEER USE ONLY
Quad _____; FWL _____; FSL _____; Use _____; Location No. _____
File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Plains Pipeline, LP Work Phone: _____
Contact: _____ Home Phone: _____
Address: 333 Clay Street, Suite 1600
_____
City: Houston, State: TX Zip: 77005

2. LOCATION OF WELL (A, B, C, or D required, E or F if known)

A. ____1/4 ____1/4 ____1/4 Section:____ Township:____ Range:____ N.M.P.M.
in _____ County.
B. X =_____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____
C. Latitude: ____32d ___41m ___06s Longitude:_____103d ___18m ___09s
D. East _____ (m), North _____ (m), UTM Zone 13, NAD __ (27 or 83)
E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey
F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.
G. Other: _____
H. Give State Engineer File Number if existing well: _____
I. On land owned by (required): _____

3. DRILLING CONTRACTOR

License Number: _____
Name: Straub Corporation Work Phone: 432-756-3489
Agent: Edward Bryan Home Phone: _____
Mailing Address: P.O. Box 192
_____
City: Stanton State: TX Zip: 79782

4. DRILLING RECORD

Drilling began: 05/12/2004 ; Completed: 05/13/2004 ; Type tools: Air Rotary Drilling Rig;
Size of hole: 5 in.; Total depth of well: 60 ft.;
Completed well is: _____ (shallow, artesian);
Depth to water upon completion of well: _____ ft.
File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA

Depth in Feet Thickness Description of Estimated Yield
From To in feet water-bearing formation (GPM)

_____ _____ _____ _____ _____
_____ _____ _____ _____ _____
_____ _____ _____ _____ _____
_____ _____ _____ _____ _____

6. RECORD OF CASING

Diameter Pounds Threads Depth in Feet Length Type of Shoe Perforations
(inches) per ft. per in. Top Bottom (feet) From To

_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet Hole Sacks Cubic Feet Method of Placement
From To Diameter of mud of Cement

_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____

8. PLUGGING RECORD

Plugging Contractor: Straub Corporation
Address: P.O. Box 192, Stanton, Texas 79782
Plugging Method: Pouring Bentonite Holeplug/Cement Grout
Date Well Plugged: 05/13/2004
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Bottom	Cubic Feet of Cement
1	0	2	1 bag concrete
2	2	35	8 bags holeplug
3	35	60	3 bags Cement grout
4			
5			

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE

Depth in Feet From	To in feet	Thickness	Color and Type of Material Encountered
SB-6, Lea County, New Mexico			
0	18	18	Tan Silty Sand, Caliche
18	30	12	Limestone , Tan Sand
30	50	20	Limestone , Tan Silty Sand
50	60	10	Tan Silty Sand

SB #6

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS:

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Edward Bryan 05/13/2004
Driller (mm/dd/year)

FOR STATE ENGINEER USE ONLY
Quad _____; FWL _____; FSL _____; Use _____; Location No. _____
File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Plains Pipeline, LP Work Phone: _____
Contact: _____ Home Phone: _____
Address: 333 Clay Street, Suite 1600
_____
City: Houston, State: TX Zip: 77005

2. LOCATION OF WELL (A, B, C, or D required, E or F if known)

A. ____1/4 ____1/4 ____1/4 Section:____ Township:____ Range:____ N.M.P.M.
in _____ County.
B. X =_____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____
C. Latitude: ____32d ____41m ____06s Longitude:____103d ____18m ____09s
D. East _____ (m), North _____ (m), UTM Zone 13, NAD __ (27 or 83)
E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey
F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.
G. Other: _____
H. Give State Engineer File Number if existing well: _____
I. On land owned by (required): _____

3. DRILLING CONTRACTOR

License Number: _____
Name: Straub Corporation Work Phone: 432-756-3489
Agent: Edward Bryan Home Phone: _____
Mailing Address: P.O. Box 192
_____
City: Stanton State: TX Zip: 79782

4. DRILLING RECORD

Drilling began: 05/13/2004 ; Completed: 05/13/2004 ; Type tools: Air Rotary Drilling Rig;
Size of hole: 5 in.; Total depth of well: 60 ft.;
Completed well is: _____ (shallow, artesian);
Depth to water upon completion of well: _____ ft.
File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA

Depth in Feet Thickness Description of Estimated Yield
From To in feet water-bearing formation (GPM)

_____ _____ _____ _____ _____
_____ _____ _____ _____ _____
_____ _____ _____ _____ _____
_____ _____ _____ _____ _____

6. RECORD OF CASING

Diameter Pounds Threads Depth in Feet Length Type of Shoe Perforations
(inches) per ft. per in. Top Bottom (feet) From To

_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____ _____ _____ _____

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet Hole Sacks Cubic Feet Method of Placement
From To Diameter of mud of Cement

_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____

8. PLUGGING RECORD

Plugging Contractor: Straub Corporation
Address: P.O. Box 192, Stanton, Texas 79782
Plugging Method: Pouring Bentonite Holeplug/Cement Grout
Date Well Plugged: 05/13/2004
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Bottom	Cubic Feet of Cement
1	0	2	1 bag concrete
2	2	35	8 bags holeplug
3	35	60	3 bags Cement grout
4			
5			

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE

Depth in Feet From	To in feet	Thickness	Color and Type of Material Encountered
SB-7, Lea County, New Mexico			
0	20	20	Tan Silty Sand, Caliche
20	31	11	Limestone , Tan Sand, Caliche
31	42	11	Limestone , Tan Silty Sand
42	49	7	Tan Silty Sand, Limestone Layers
49	60	11	Tan Silty Sand, Limestone Layers

SB #7

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS:

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Edward Bryan _____ 05/13/2004
Driller (mm/dd/year)

FOR STATE ENGINEER USE ONLY
Quad _____; FWL _____; FSL _____; Use _____; Location No. _____
File Number: _____ Trn Number: _____

ANALYTICAL RESULTS

ENVIRONMENTAL LAB OF

13600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Ken Dutton

Allstate Environmental Services, LLC

P.O. Box 11322

Midland, TX 79702

Project: PAA MNT 12

Project Number: [none]

Location: Lea County, NM

Lab Order Number: 4E13005

Report Date: 05/17/04

Allstate Environmental Services, LLC	Project: PAA MNT 12	Fax: (432) 397-5125
P.O. Box 11322	Project Number: [none]	**Reported:**
Midland TX, 79702	Project Manager: Ken Dutton	05/17/04 13:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 5'	4E13005-01	Soil	05/12/04 11:29	05/13/04 15:00
SB-1 15'	4E13005-02	Soil	05/12/04 11:35	05/13/04 15:00
SB-1 20'	4E13005-03	Soil	05/12/04 11:42	05/13/04 15:00
SB-1 25'	4E13005-04	Soil	05/12/04 11:55	05/13/04 15:00
SB-1 35'	4E13005-05	Soil	05/12/04 12:15	05/13/04 15:00
SB-2 20'	4E13005-06	Soil	05/12/04 13:27	05/13/04 15:00
SB-2 35'	4E13005-07	Soil	05/12/04 13:59	05/13/04 15:00
SB-3 5'	4E13005-08	Soil	05/12/04 14:45	05/13/04 15:00
SB-3 35'	4E13005-09	Soil	05/12/04 15:19	05/13/04 15:00
SB-4 5'	4E13005-10	Soil	05/12/04 15:30	05/13/04 15:00
SB-4 35'	4E13005-11	Soil	05/12/04 16:12	05/13/04 15:00
SB-5 25'	4E13005-12	Soil	05/12/04 16:45	05/13/04 15:00
SB-5 59'	4E13005-13	Soil	05/12/04 17:45	05/13/04 15:00
SB-6 5'	4E13005-14	Soil	05/12/04 18:12	05/13/04 15:00
SB-6 20'	4E13005-15	Soil	05/12/04 18:22	05/13/04 15:00
SB-6 59'	4E13005-16	Soil	05/12/04 19:17	05/13/04 15:00
SB-7 5'	4E13005-17	Soil	05/13/04 07:42	05/13/04 15:00
SB-7 35'	4E13005-18	Soil	05/13/04 08:29	05/13/04 15:00
SB-7 60'	4E13005-19	Soil	05/13/04 09:13	05/13/04 15:00
SB-6 25'	4E13005-20	Soil	05/12/04 18:31	05/13/04 15:00

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
SB-1 5' (4E13005-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/13/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0252**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0846**	0.0250	"	"	"	"	"	"	
Xylene (o)	**J [0.0214]**	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*90.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.1 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**16.5**	10.0	mg/kg dry	1	EE41308	05/13/04	05/13/04	EPA 8015M	
Diesel Range Organics >C12-C35	**76.5**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**93.0**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*120 %*	*70-130*		"	"	"	"	
SB-1 15' (4E13005-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/13/04	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		*92.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE41308	05/13/04	"	EPA 8015M	
Diesel Range Organics >C12-C35	**J [9.38]**	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*119 %*	*70-130*		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory.. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Quality Assurance Review

Allstate Environmental Services, LLC	Project: PAA MNT 12	Fax: (432) 397-5125
P.O. Box 11322	Project Number: [none]	**Reported:**
Midland TX, 79702	Project Manager: Ken Dutton	05/17/04 13:46

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 20' (4E13005-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/14/04	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		*89.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [5.81]**	10.0	mg/kg dry	1	EE41308	05/13/04	05/13/04	EPA 8015M	J
Diesel Range Organics >C12-C35	**13.6**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**13.6**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*93.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*100 %*	*70-130*		"	"	"	"	
SB-1 25' (4E13005-04) Soil									
Benzene	**J [0.0148]**	0.0250	mg/kg dry	25	EE41305	05/13/04	05/13/04	EPA 8021B	J
Toluene	**0.149**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.123**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.475**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.116**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.9 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**31.0**	10.0	mg/kg dry	1	EE41308	05/13/04	05/13/04	EPA 8015M	
Diesel Range Organics >C12-C35	**142**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**173**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*96.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory.. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Quality Assurance Review

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 35' (4E13005-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/14/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	**J [0.0220]**	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	**0.0462**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE41308	05/13/04	05/13/04	EPA 8015M	
Diesel Range Organics >C12-C35	**14.5**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**14.5**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*110 %*	*70-130*		"	"	"	"	
SB-2 20' (4E13005-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/13/04	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		*90.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE41308	05/13/04	05/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*127 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*129 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2 35' (4E13005-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/13/04	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		*92.9 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE41308	05/13/04	05/13/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	
SB-3 5' (4E13005-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/13/04	EPA 8021B	
Toluene	**J [0.0155]**	0.0250	"	"	"	"	"	"	J
Ethylbenzene	**J [0.0244]**	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	**0.0863**	0.0250	"	"	"	"	"	"	
Xylene (o)	**J [0.0223]**	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*91.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.9 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**25.0**	10.0	mg/kg dry	1	EE41308	05/13/04	05/13/04	EPA 8015M	
Diesel Range Organics >C12-C35	**278**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**303**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*116 %*	*70-130*		"	"	"	"	

Allstate Environmental Services, LLC	Project: PAA MNT 12	Fax: (432) 397-5125
P.O. Box 11322	Project Number: [none]	**Reported:**
Midland TX, 79702	Project Manager: Ken Dutton	05/17/04 13:46

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 35' (4E13005-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/14/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE41308	05/13/04	05/13/04	EPA 8015M	
Diesel Range Organics >C12-C35	**J [7.40]**	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*114 %*	*70-130*		"	"	"	"	
SB-4 5' (4E13005-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/14/04	EPA 8021B	
Toluene	**0.0394**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.100**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.347**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0795**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**46.5**	10.0	mg/kg dry	1	EE41308	05/13/04	05/13/04	EPA 8015M	
Diesel Range Organics >C12-C35	**196**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**243**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*117 %*	*70-130*		"	"	"	"	

Environmental Lab of Texas

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Quality Assurance Review

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-4 35' (4E13005-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/14/04	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		*89.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE41308	05/13/04	05/13/04	EPA 8015M	
Diesel Range Organics >C12-C35	**15.1**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**15.1**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*118 %*	*70-130*		"	"	"	"	
SB-5 25' (4E13005-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/14/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	**J [0.0126]**	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	**ND**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.3 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE41308	05/13/04	05/13/04	EPA 8015M	
Diesel Range Organics >C12-C35	**J [9.34]**	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	**J [9.34]**	10.0	"	"	"	"	"	"	J
Surrogate: 1-Chlorooctane		*99.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*114 %*	*70-130*		"	"	"	"	

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-5 59' (4E13005-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/14/04	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		*88.1 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE41308	05/13/04	05/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	**10.6**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**10.6**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*106 %*	*70-130*		"	"	"	"	
SB-6 5' (4E13005-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/14/04	EPA 8021B	
Toluene	**0.0263**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0614**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.217**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0677**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*88.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**30.9**	10.0	mg/kg dry	1	EE41308	05/13/04	05/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	**151**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**182**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*116 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-6 20' (4E13005-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/14/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	**J [0.0206]**	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	**0.0521**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**15.7**	10.0	mg/kg dry	1	EE41308	05/13/04	05/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	**90.0**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**106**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*114 %*	*70-130*		"	"	"	"	
SB-6 59' (4E13005-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41305	05/13/04	05/14/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE41308	05/13/04	05/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	**J [9.76]**	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*106 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-7 5' (4E13005-17) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41401	05/13/04	05/14/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.6 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE41308	05/13/04	05/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	**12.4**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**12.4**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*89.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.4 %*	*70-130*		"	"	"	"	
SB-7 35' (4E13005-18) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41401	05/13/04	05/14/04	EPA 8021B	
Toluene	**J [0.0128]**	0.0250	"	"	"	"	"	"	J
Ethylbenzene	**0.0337**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0950**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0281**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.6 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [7.09]**	10.0	mg/kg dry	1	EE41308	05/13/04	05/14/04	EPA 8015M	J
Diesel Range Organics >C12-C35	**42.8**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**42.8**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-7 60' (4E13005-19) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41401	05/13/04	05/14/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.9 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.7 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE41308	05/13/04	05/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	**J [7.52]**	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
SB-6 25' (4E13005-20) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE41401	05/13/04	05/14/04	EPA 8021B	
Toluene	**J [0.0243]**	0.0250	"	"	"	"	"	"	J
Ethylbenzene	**0.0817**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.285**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0883**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**38.4**	10.0	mg/kg dry	1	EE41308	05/13/04	05/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	**126**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**164**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	

Allstate Environmental Services, LLC	Project: PAA MNT 12	Fax: (432) 397-5125
P.O. Box 11322	Project Number: [none]	**Reported:**
Midland TX, 79702	Project Manager: Ken Dutton	05/17/04 13:46

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' (4E13005-01) Soil									
% Solids	**97.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-1 15' (4E13005-02) Soil									
% Solids	**95.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-1 20' (4E13005-03) Soil									
% Solids	**94.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-1 25' (4E13005-04) Soil									
% Solids	**99.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-1 35' (4E13005-05) Soil									
% Solids	**99.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-2 20' (4E13005-06) Soil									
% Solids	**96.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-2 35' (4E13005-07) Soil									
% Solids	**99.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-3 5' (4E13005-08) Soil									
% Solids	**96.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-3 35' (4E13005-09) Soil									
% Solids	**98.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	

Environmental Lab of Texas

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Quality Assurance Review

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-4 5' (4E13005-10) Soil									
% Solids	**95.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-4 35' (4E13005-11) Soil									
% Solids	**97.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-5 25' (4E13005-12) Soil									
% Solids	**96.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-5 59' (4E13005-13) Soil									
% Solids	**91.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-6 5' (4E13005-14) Soil									
% Solids	**94.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-6 20' (4E13005-15) Soil									
% Solids	**96.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-6 59' (4E13005-16) Soil									
% Solids	**87.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-7 5' (4E13005-17) Soil									
% Solids	**95.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-7 35' (4E13005-18) Soil									
% Solids	**99.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	

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General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-7 60' (4E13005-19) Soil									
% Solids	**90.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	
SB-6 25' (4E13005-20) Soil									
% Solids	**98.0**		%	1	EE41402	05/13/04	05/14/04	% calculation	

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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 EE41305 - EPA 5030C (GC)										
Blank (EE41305-BLK1)				Prepared & Analyzed: 05/13/04						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*105*		*ug/kg*	*100*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*81.3*		"	*100*		*81.3*	*80-120*			
LCS (EE41305-BS1)				Prepared & Analyzed: 05/13/04						
Benzene	102		ug/kg	100		102	80-120			
Toluene	96.3		"	100		96.3	80-120			
Ethylbenzene	94.9		"	100		94.9	80-120			
Xylene (p/m)	183		"	200		91.5	80-120			
Xylene (o)	90.8		"	100		90.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*105*		"	*100*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*84.6*		"	*100*		*84.6*	*80-120*			
Calibration Check (EE41305-CCV1)				Prepared: 05/13/04 Analyzed: 05/14/04						
Benzene	101		ug/kg	100		101	80-120			
Toluene	98.8		"	100		98.8	80-120			
Ethylbenzene	96.5		"	100		96.5	80-120			
Xylene (p/m)	190		"	200		95.0	80-120			
Xylene (o)	96.6		"	100		96.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*93.8*		"	*100*		*93.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*93.5*		"	*100*		*93.5*	*80-120*			
Matrix Spike (EE41305-MS1)	**Source: 4E13005-05**			Prepared: 05/13/04 Analyzed: 05/14/04						
Benzene	2510		ug/kg	2500	ND	100	80-120			
Toluene	2440		"	2500	ND	97.6	80-120			
Ethylbenzene	2440		"	2500	21.8	96.7	80-120			
Xylene (p/m)	4790		"	5000	45.7	94.9	80-120			
Xylene (o)	2370		"	2500	ND	94.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*100*		"	*100*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*99.2*		"	*100*		*99.2*	*80-120*			

Environmental Lab of Texas

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Quality Assurance Review

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 EE41305 - EPA 5030C (GC)										
Matrix Spike Dup (EE41305-MSD1)	**Source: 4E13005-05**			Prepared: 05/13/04 Analyzed: 05/14/04						
Benzene	2440		ug/kg	2500	ND	97.6	80-120	2.43	20	
Toluene	2410		"	2500	ND	96.4	80-120	1.24	20	
Ethylbenzene	2410		"	2500	21.8	95.5	80-120	1.25	20	
Xylene (p/m)	4740		"	5000	45.7	93.9	80-120	1.06	20	
Xylene (o)	2320		"	2500	ND	92.8	80-120	2.13	20	
Surrogate: a,a,a-Trifluorotoluene	*91.0*		"	*100*		*91.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*89.0*		"	*100*		*89.0*	*80-120*			
Batch EE41308 - Solvent Extraction (GC)										
Blank (EE41308-BLK1)				Prepared & Analyzed: 05/13/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*36.9*		*mg/kg*	*50.0*		*73.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*43.4*		"	*50.0*		*86.8*	*70-130*			
LCS (EE41308-BS1)				Prepared & Analyzed: 05/13/04						
Gasoline Range Organics C6-C12	424	10.0	mg/kg wet	500		84.8	75-125			
Diesel Range Organics >C12-C35	513	10.0	"	500		103	75-125			
Total Hydrocarbon C6-C35	937	10.0	"	1000		93.7	75-125			
Surrogate: 1-Chlorooctane	*52.6*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.2*		"	*50.0*		*88.4*	*70-130*			
Calibration Check (EE41308-CCV1)				Prepared & Analyzed: 05/13/04						
Gasoline Range Organics C6-C12	463		mg/kg	500		92.6	80-120			
Diesel Range Organics >C12-C35	528		"	500		106	80-120			
Total Hydrocarbon C6-C35	991		"	1000		99.1	80-120			
Surrogate: 1-Chlorooctane	*52.6*		"	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.6*		"	*50.0*		*109*	*70-130*			

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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 EE41308 - Solvent Extraction (GC)										
Matrix Spike (EE41308-MS1)	**Source: 4E13005-07**			Prepared & Analyzed: 05/13/04						
Gasoline Range Organics C6-C12	499	10.0	mg/kg dry	505	ND	98.8	75-125			
Diesel Range Organics >C12-C35	561	10.0	"	505	ND	111	75-125			
Total Hydrocarbon C6-C35	1060	10.0	"	1010	ND	105	75-125			
Surrogate: 1-Chlorooctane	*53.3*		*mg/kg*	*50.0*		*107*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.2*		"	*50.0*		*112*	*70-130*			
Matrix Spike Dup (EE41308-MSD1)	**Source: 4E13005-07**			Prepared & Analyzed: 05/13/04						
Gasoline Range Organics C6-C12	507	10.0	mg/kg dry	505	ND	100	75-125	1.59	20	
Diesel Range Organics >C12-C35	579	10.0	"	505	ND	115	75-125	3.16	20	
Total Hydrocarbon C6-C35	1090	10.0	"	1010	ND	108	75-125	2.79	20	
Surrogate: 1-Chlorooctane	*53.4*		*mg/kg*	*50.0*		*107*	*70-130*			
Surrogate: 1-Chlorooctadecane	*55.4*		"	*50.0*		*111*	*70-130*			
Batch EE41401 - EPA 5030C (GC)										
Blank (EE41401-BLK1)				Prepared: 05/13/04 Analyzed: 05/14/04						
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	*86.9*		*ug/kg*	*100*		*86.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*88.9*		"	*100*		*88.9*	*80-120*			
LCS (EE41401-BS1)				Prepared: 05/13/04 Analyzed: 05/14/04						
Benzene	90.3		ug/kg	100		90.3	80-120			
Toluene	88.7		"	100		88.7	80-120			
Ethylbenzene	88.2		"	100		88.2	80-120			
Xylene (p/m)	173		"	200		86.5	80-120			
Xylene (o)	87.7		"	100		87.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	*83.2*		"	*100*		*83.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*90.8*		"	*100*		*90.8*	*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 EE41401 - EPA 5030C (GC)										
Calibration Check (EE41401-CCV1)				Prepared: 05/13/04 Analyzed: 05/14/04						
Benzene	101		ug/kg	100		101	80-120			
Toluene	98.8		"	100		98.8	80-120			
Ethylbenzene	96.5		"	100		96.5	80-120			
Xylene (p/m)	190		"	200		95.0	80-120			
Xylene (o)	96.6		"	100		96.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*93.8*		"	*100*		*93.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*93.5*		"	*100*		*93.5*	*80-120*			
Matrix Spike (EE41401-MS1)		**Source: 4E13005-18**		Prepared: 05/13/04 Analyzed: 05/14/04						
Benzene	2410		ug/kg	2500	ND	96.4	80-120			
Toluene	2390		"	2500	12.7	95.1	80-120			
Ethylbenzene	2430		"	2500	33.4	95.9	80-120			
Xylene (p/m)	4810		"	5000	94.0	94.3	80-120			
Xylene (o)	2410		"	2500	27.8	95.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	*86.8*		"	*100*		*86.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*99.5*		"	*100*		*99.5*	*80-120*			
Matrix Spike Dup (EE41401-MSD1)		**Source: 4E13005-18**		Prepared: 05/13/04 Analyzed: 05/14/04						
Benzene	2450		ug/kg	2500	ND	98.0	80-120	1.65	20	
Toluene	2410		"	2500	12.7	95.9	80-120	0.838	20	
Ethylbenzene	2420		"	2500	33.4	95.5	80-120	0.418	20	
Xylene (p/m)	4780		"	5000	94.0	93.7	80-120	0.638	20	
Xylene (o)	2380		"	2500	27.8	94.1	80-120	1.27	20	
Surrogate: a,a,a-Trifluorotoluene	*97.8*		"	*100*		*97.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*101*		"	*100*		*101*	*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 EE41402 - % Solids										
Blank (EE41402-BLK1)				Prepared: 05/13/04 Analyzed: 05/14/04						
% Solids	100		%							
Duplicate (EE41402-DUP1)		**Source: 4E13005-01**		Prepared: 05/13/04 Analyzed: 05/14/04						
% Solids	97.0		%		97.0			0.00	20	

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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

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Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON

Company Name: ALLSTATE ENVIRONMENTAL SVC

Company Address: P.O. BOX 11322

City/State/Zip: MIDLAND, TX 79702

Telephone No: 432-682-3547

Fax No: 432-682-4282

Sampler Signature: Ken Dutton (505) 631-9197

Project Name: PAA MNT 12

Project #:

Project Loc: LEA CTY, NM

PO #:

4E13005

LAB # (lab use only)	FIELD CODE	Date Sampled (2004)	Time Sampled	No. of Containers (4 oz. Jars)	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	TPH: 418.1 8015M 1005	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 or BTEX 8260 (TOTAL)	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule)	Standard TAT
-01 -11	SB-1 5'	13 MAY	1129	1	X									X		X							X				X
-02 -12	SB-1 15'	↓	1135	↓	↓									↓		↓							↓				↓
-03 -13	SB-1 20'	↓	1142	↓	↓									↓		↓							↓				↓
-04 -14	SB-1 25'	↓	1155	↓	↓									↓		↓							↓				↓
-05 -15	SB-1 35'	↓	1215	↓	↓									↓		↓							↓				↓
-06 -16	SB-2 20'	↓	1327	↓	↓									↓		↓							↓				↓
-07 -17	SB-2 35'	↓	1359	↓	↓									↓		↓							↓				↓
-08 -18	SB-3 5'	↓	1445	↓	↓									↓		↓							↓				↓
-09 -19	SB-3 35'	↓	1519	↓	↓									↓		↓							↓				↓
-10 -20	SB-4 5'	↓	1530	↓	↓									↓		↓							↓				↓

Special Instructions:

Sample Containers Intact? Y N

Temperature Upon Receipt:

Laboratory Comments:

2.0°C

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	13MAY04	1254	[signature]	13May04	1254
Relinquished by: [signature]	13May04	1500	Received by ELOT: Jeanne McMurry	13May04	1500

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: ALLSTATE ENVIRONMENTAL SVC
Company Address: P. O. BOX 11322
City/State/Zip: MIDLAND, TX 79702
Telephone No: 432-682-3547 Fax No: 432-682-4182
Sampler Signature: Ken Dutton

Project Name: PAA MNT 12
Project #:
Project Loc: LEA CTY, NM
PO #:

4E13005

LAB # (lab use only)	MW	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	TOTAL: 1006 / 1005	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 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule)	Standard TAT
-11	-01	SB-4	35'	12 MAY	1	X									X		X								X				X
-12	-02	SB-5	25'	12 MAY	1	X									X		X								X				X
-13	-03	SB-5	59'	12 MAY																									
-14	-04	SB-6	5'	12 MAY																									
-15	-05	SB-6	20'	12 MAY																									
-16	-06	SB-6	59'	12 MAY																									
-17	-07	SB-7	5'	13 MAY																									
-18	-08	SB-7	35'	13 MAY																									
-19	-09	SB-7	60'	13 MAY																									
-20	-10	SB-6	25'	12 MAY																									

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:
2.0°C

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	13 MAY 04	1254	Joel P. Owens	13 May 04	1254
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Joel P. Owens	13 May 04	1500	Jeanne McMurry	13 May 04	1500

WATER WELL REPORT
NEW MEXICO OFFICE OF THE STATE ENGINEER

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 19S Range: 36E Sections: 12

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

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

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report | Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 07/07/2004

							(Depth Water in Feet)		
Bsn	**Tws**	**Rng**	**Sec**	**Zone**	**X**	**Y**	**Wells**	**Min**	**Max**	**Avg**
L	19S	36E	12				2	40	40	40

Record Count: 2