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
220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

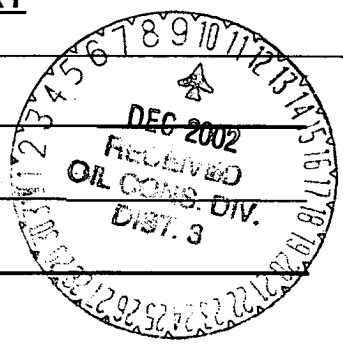
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Risk defined extant of plume

Submit 1 copy to appropriate District Office and 1 copy to the Santa Fe Office

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT



Operator: Amoco Telephone:

Address: 30-045-20343

Facility Or: E.E.Elliot B#12, Meter 75944
Well Name

Location: Unit or Qtr/Qtr Sec N Sec 27 T 30 R 9 County San Juan

Pit Type: Separator _____ Dehydrator _____ Other Drip

Land Type: BLM X, State _____, Fee _____ Other _____

Pit Location: Pit dimensions: length 17', width 15', depth 3'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 97'

Direction from reference: 147 Degrees X East North _____ of _____ West South _____

Depth To Ground Water (Vertical distance from contaminants to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points) 10
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) 0
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.)	Less than 200 feet 200 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 05/31/94 Date completed: 05/31/94

Remediation Method: Excavation _____ Approx. cubic yards _____

(Check all appropriate sections.) Landfarmed _____ Insitu Bioremediation _____

Other Backfill Pit Without Excavation

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) Onsite N/A Offsite N/A

General Description of Remedial Action: _____

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location Four walls and center of pit composite

Sample depth 12'

Sample Date 05/31/94 Sample time 11:20

Sample Results

Benzene(ppm) Not reported

Total BTEX(ppm) Not reported

Field headspace(ppm) 318

TPH 4560

Ground Water Sample: Yes _____ No X (If yes, attach sample results)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Date 1/8/03

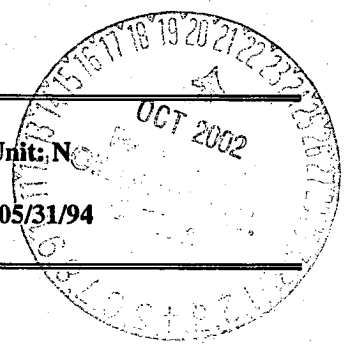
Signature Scott T. Pope

Printed Name and Title Scott T. Pope Senior Env. Scientist

elpaso

PIT CLOSURE REQUEST

E.E. Elliot B#12
Meter/Line ID 75944



SITE DETAILS

Legals - Twn: 30N **Rng: 9** **Sec: 27** **Unit: N**
NMOCD Hazard Ranking: 10 **Land Type: BLM**
Operator: Amoco **Pit Closure Date: 05/31/94**

RATIONALE FOR RISK-BASED CLOSURE

The pit noted above was assessed and ranked according to the criteria in the New Mexico Oil Conservation Division's (NMOCD) Unlined Surface Impoundment Closure Guidelines.

A test pit was excavated to 12 feet (ft) below ground surface (bgs) and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit. Headspace analysis indicated an organic vapor content of 318 ppm; laboratory analysis indicated a TPH concentration of 4,560 mg/kg. The field headspace analysis and TPH measurement exceeded recommended remediation levels for the Hazard Ranking Score of 10.

No soil was disposed of offsite. The pit was backfilled with site soil, topped with clean soil from the surrounding berms, and graded in a manner to direct surface runoff away from the pit area.

A Phase II boring was completed to 86 ft bgs. No groundwater was encountered in the soil boring. One laboratory sample was collected at 85-86 ft bgs. Headspace analysis indicated an organic vapor content of 66 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of <3 mg/kg, and a TPH concentration of <20 mg/kg. The benzene, BTEX, and TPH concentrations were below recommended remediation levels for the Hazard Ranking Score.

No Phase III activities were conducted.

El Paso Field Services requests closure of the above mentioned production pit location for the following reasons:

- The primary source, discharge to the pit, has been removed for over eight years.
- Residual hydrocarbons in the soil will degrade by natural attenuation with minimal risk to the environment.
- The test pit to 12 ft bgs was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- The clean soil from the berms placed on top of the excavation would limit the potential for direct contact with hazardous constituents by livestock or the public; i.e., current direct contact exposure pathways are unlikely to be completed.
- Groundwater was not encountered in the soil boring to 86 ft bgs. It is likely, based on the regional geology, that the depth to groundwater is over 100 ft below where the TPH was detected. While the site has conservatively been given a Hazard Ranking Score of 10, it may

in reality qualify for 0 if more information on the depth to groundwater were available. In this instance, the site would qualify for closure based on the TPH concentration being below 5,000 mg/kg.

- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Benzene, total BTEX, and TPH concentrations in the soil sample collected at the base of the Phase 2 soil boring were non-detect.

ATTACHMENTS

Field Pit Assessment Form
Revised Field Pit Assessment Form
Field Pit Remediation/Closure Form
Phase 2 Soil Boring Log
Laboratory Analytical Results

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 75944 Location: E.E. ELLIOT B #12
Operator #: 0203 Operator Name: AMOCO P/L District: BLOOMFIELD
Coordinates: Letter: N Section 27 Township: 30 Range: 9
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ___ Location Drip: X Line Drip: ___ Other: _____
Site Assessment Date: 4·18·94 Area: 10 Run: 43

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)
Inside ☐ (1)
Outside ☒ (2)

Land Type:
BLM ☒ (1)
State ☐ (2)
Fee ☐ (3)
Indian _____

Depth to Groundwater
Less Than 50 Feet (20 points) ☐ (1)
50 Ft to 99 Ft (10 points) ☒ (2)
Greater Than 100 Ft (0 points) ☐ (3)

Wellhead Protection Area :
Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

Horizontal Distance to Surface Water Body
Less Than 200 Ft (20 points) ☐ (1)
200 Ft to 1000 Ft (10 points) ☒ (2)
Greater Than 1000 Ft (0 points) ☐ (3)
Name of Surface Water Body CABALLO CANYON
(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)
Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only)
☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 20 **POINTS**

REMARKS

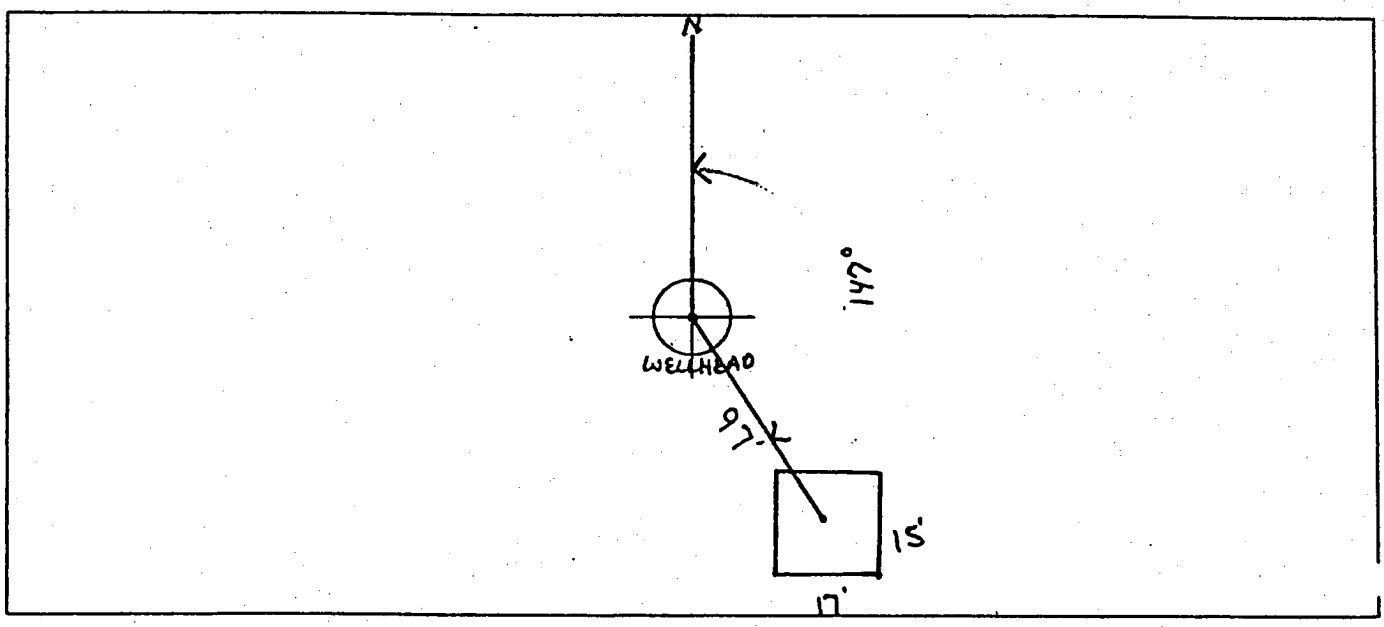
Remarks : ONLY PIT ON LOCATION. PIT IS DRY.

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 147° Footage from Wellhead 92'

b) Length : 12' Width : 15' Depth : 3'



REMARKS

Remarks :

STARTED TAKING PICTURES AT 12:56 P.M.

END DUMP

Completed By:

Bob Thompson
Signature

4.18.94
Date

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 75944 Location: EE Elliott B #12

Operator #: _____ Operator Name: _____ P/L District: _____

Coordinates: Letter: N Section 27 Township: 30 Range: 9

Or Latitude _____ Longitude _____

Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____

Site Assessment Date: 4/13/98 Area: ____ Run: ____

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)

Inside ☐ (1)

Outside ☒ (2)

Land Type:

BLM ☒ (1)

State ☐ (2)

Fee ☐ (3)

Indian _____

Depth to Groundwater

Less Than 50 Feet (20 points) ☒ (1)

50 Ft to 99 Ft (10 points) ☐ (2)

Greater Than 100 Ft (0 points) ☐ (3)

Wellhead Protection Area

Is it less than 1000 ft from wells, springs or other sources of fresh water extraction?, or; Is it less than 200 ft from a private domestic water source?

☐ (1) YES (20 points) ☒ (2) NO (0 points)

Horizontal Distance to Surface Water Body

Less Than 200 Ft (20 points) ☐ (1)

200 Ft to 1000 Ft (10 points) ☐ (2)

Greater Than 1000 Ft (0 points) ☒ (3)

Name of Surface Water Body _____

(Surface Water Body: Perennial Rivers, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only)

☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 20 POINTS

REMARKS

Remarks : Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is < 50' vertical From center of Caballo Canyon

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 75944 Location: EE ELLIOTT B #12
Operator #: 0203 Operator Name: AMOCO P/L District: BLOOMFIELD
Coordinates: Letter N Section 27 Township: 30 Range: 9
or Latitude _____ Longitude _____
Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
Site Assessment Date: 4.18.94 Area: 10 Run: 43
Revised Date: 9.13.02

SITE ASSESSMENT

NMOCD Zone:
(from NMCOD Maps)

Land Type:
Intside ☐ (1)
Outside ☒ (2)

BLM ☒ (1)
State ☐ (2)
Fee ☐ (3)
Indian _____

Depth to Groundwater
Less than 50 Feet (20 points) ☐ (1)
50 Feet to 99 Feet (10 Points) ☒ (2)
Greater than 100 Feet (0 Points) ☐ (3)

Well Protection Area
Is it less than 1000 feet from well, spring or other source of fresh water extraction?
or; Is it less than 200 feet from a private domestic water source?
☐ YES (20 Points) ☒ NO (0 Points)

Horizontal Distance to Surface Water Body
Less than 200 Feet (20 points) ☐ (1)
200 Feet to 1000 Feet (10 Points) ☐ (2)
Greater than 1000 Feet (0 Points) ☒ (3)

Name of Surface Water Body CABALLO CANYON

(Surface Water Body: Perennial River, Stream, Creek, Irrigation Canal, Ditch, Lake, Pond)

Distance to Nearest Ephemeral Stream ☐ (1) < 100 feet (Navajo Pits Only)
☐ (2) > 100 feet

TOTAL HAZARD RANKING SCORE 10 **POINTS**

REMARKS

Remarks: REVISION BASED ON PHASE II BORING

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW152	945309
MTR CODE | SITE NAME:	75944	N/A
SAMPLE DATE | TIME (Hrs):	5-31-94	1120
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	6-2-94	6/2/94
DATE OF BTEX EXT. | ANAL.:	N/A	N/A
TYPE | DESCRIPTION:	VG	Brown Coarse Sand

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	4560	MG/KG			2.11	28
HEADSPACE PID	318	PPM				
PERCENT SOLIDS	94.6	%				

– TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 –

The Surrogate Recovery was at N/A % for this sample All QA/QC was acceptable.

Narrative: _____

DF = Dilution Factor Used

Approved By: John Sanders Date: 6/16/94

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 75944 Location: E.E. Elliott B #12

Coordinates: Letter: N Section 27 Township: 30 Range: 9

Or Latitude _____ Longitude _____

Date Started : 5-31-94 Area: 10 Run: 43

FIELD OBSERVATIONS

Sample Number(s): VW152 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 318 PID Reading Depth 12' Feet

	Yes	No	
Groundwater Encountered	☐ (1)	☒ (2)	Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation	☐ (1)	Approx. Cubic Yards _____
Onsite Bioremediation	☐ (2)	
Backfill Pit Without Excavation	☒ (3)	

Soil Disposition:

Envirotech	☐ (1)	☐ (3)	Tierra
Other Facility	☐ (2)	Name: _____	

Pit Closure Date: 5-31-94 Pit Closed By: BLZ

REMARKS

Remarks : _____

Signature of Specialist: Vade Wilson

(SP3191) 04/07/94

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME	SAMPLERS: (Signature)	DATE:
	Pit Closure Project # 24324	Vale Wilson	5/31/94

	LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020				Seq #	REMARKS
94	5305	5-31-94	900	Soil	VW148	1	VG	X					130	
94	5306	5-31-94	920	Soil	VW149	1	VG	X					131	
94	5307	5-31-94	955	Soil	VW150	1	VG	X					132	
94	5308	5-31-94	1035	Soil	VW151	1	VG	X					133	
94	5309	5-31-94	1120	Soil	VW152	1	VG	X					134	
94	5310	5-31-94	1230	Soil	VW153	1	VG	X					135	
94	5311	5-31-94	1400	Soil	VW154	1	VG	X					136	
94	5312	5-31-94	1415	Soil	VW155	1	VG	X					137	
94	5313	5-31-94	1500	Soil	VW156	1	VG	X					138	

CONTRACT LABORATORY P. O. NUMBER

REQUESTED ANALYSIS

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Vale Wilson	5-31-94 1645	L Casebeer	L. Casebeer	6/1/94 0855	35
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH _____

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

RESULTS & INVOICES TO:

FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499
505-599-2144 FAX: 505-599-2261

White - Testing Laboratory Canary - EPNG Lab Pink - Field Sampler

FM 08 0565A (Rev 03-94)

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH- 1
Well # NA
Page 1 of 3

PHILIP SERVICES CORP.
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Number 19643 Phase 1001.77
Project Name EPFS PITS >10
Project Location EE Elliot BH#2 75944

Elevation
Borehole Location LTR: N S: 27 T: 30 R: 9
GWL Depth NA
Drilled By K. PADILLA
Well Logged By C. CHANCE
Date Started 6/4/98
Date Completed 6/8/98

Drilling Method 4 1/4 ID HSA
Air Monitoring Method PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM BZ	BH	S/HS	Drilling Conditions & Blow Counts
										BZ=Breathing Zone BH=Borehole S/HS=Sample/Headspace
0										
5										
10				Excavation Sample Collected @ 12'						
15	1	15-17	18	Gry silty SAND, F-med sand, mod silt, loose, moist			2	120	1562/1938	1425 hr
20	2	20	18	Gry silty SAND, med-coarse sand, mod F sand, loose, moist			1	80	1110/2589	1432 hr
25	3	25-27	12	AA Grades to: Gry silty SAND, vf sand, med dense moist			0	10	1769/2699	1438 hr
30	4	30-32	12	Gry silty SAND, F-med sand, loose, moist			0	6	2047/2704	1449 hr
35	5	35-37	24	Gry silty SAND, med-coarse, mod F sand, loose, dry			0	18	1030/2194	1458 hr
40	6	40-42	24	Gry silty SAND, F-med sand, loose, dry			4	58	768/1264	1508 hr

Comments: Pit was backfilled w/o excavation. CMC 393 (85-86') sent to lab for BTEX & TPH
GW not encountered. Bh grouted to surface.

Geologist Signature Cory Chance

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well # NA
Page 2 of 3

PHILIP SERVICES CORP.
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Number 19643 Phase 1001.77
Project Name EPFS PITS >10
Project Location EE Elliott B#12 75944

Elevation
Borehole Location LTR: N S: 27 T: 30 R: 9
GWL Depth NA
Drilled By K. PADILLA
Well Logged By C. CHANCE
Date Started 6/4/98
Date Completed 6/8/98

Drilling Method 4 1/4 ID HSA
Air Monitoring Method PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM BZ	BH	S/HS	Drilling Conditions & Blow Counts
40										BZ=Breathing Zone BH=Borehole S/HS=Sample/Headspace
45	7	45-47	24	Gry silty SAND vf-f sand, loose dry grades to: Gry sandy CLAY, mod f sand, stiff, low plastic dry			4	58	659/834	-let vapors dissipate for a few minutes -1528 hr -let vapors dissipate
50	8	50-52	24	Gry silty SAND, f-med sand, loose, dry Gry sandy CLAY, vf sand, med stiff hi plastic, dry			3	29	431/1178	-1543 hr
55	9	55-57	24	Lt br silty SAND, vf-f sand, loose, dry			0	38	822/893	-1555 hr
60	10	60-62	24	Br SAND, vf sand, loose dry Br silty SAND, med sand, grades to coarse, loose, dry			1	18	647/888	-1620 -1630 Quit For the day 6/8/98
65	11	65-67	24	Br silty SAND, med-coarse sand, loose, dry			4	53	405/219	-1100 hr
70	12	70-72	18	AA			0	78	1054/1471	-1122 hr
75	13	75-76	12	DK gry/grn mottled silty CLAY, med stiff, mod plastic, dry Reddish BR SANDSTONE, vf sand, v. hard mod. cemented					430/614	-1138 hr 2nd foot >50 B/C's
80	14	80-82	6	Br weathered SANDSTONE, vf sand v. hard, interbedded w/silt seam			0	32	53/41	-1215 hr 50 B/C./4"

Comments:

Geologist Signature

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well # NM
Page 3 of 3

PHILIP SERVICES CORP.
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Number 19643 Phase 1001.77
Project Name EPFS PITS >10
Project Location EE Elliott B #12 75944

Elevation
Borehole Location LTR: N S: 27 T: 30 R: 9
GWL Depth NA
Drilled By K. PADILLA
Well Logged By C. CHANCE
Date Started 6/4/98
Date Completed 6/8/98

Drilling Method 4 1/4 ID HSA
Air Monitoring Method PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM BZ	BH	S/HS	Drilling Conditions & Blow Counts
80										BZ=Breathing Zone BH=Borehole S/HS=Sample/Headspace
85	15	~~85-86~~	6	Br weathered SANDSTONE, vf sand, v hard, mod cemented			3	58	12/66	1347 sample
				TD 86'						
90	~~16~~ cm ~~90~~									
95										
100										
105										
110 ~~30~~										
115 ~~36~~										
120 ~~40~~										

Comments:

Geologist Signature

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC393	980469
MTR CODE | SITE NAME:	75944	EE Elliott B #12
SAMPLE DATE | TIME (Hrs):	6/8/98	1347
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. | ANAL.:	6/18/98	6/19/98
DATE OF BTEX EXT. | ANAL.:	6/15/98	6/18/98
TYPE | DESCRIPTION:	VG	SOIL

Field Remarks: 85-86'

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.5	MG/KG				
TOLUENE	<0.5	MG/KG				
ETHYL BENZENE	<0.5	MG/KG				
TOTAL XYLENES	<1.5	MG/KG				
TOTAL BTEX	<3	MG/KG				
TPH (MOD.8015)	<20	MG/KG				
HEADSPACE PID	66	PPM				
PERCENT SOLIDS	90.5	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 75.6 % for this sample All QA/QC was acceptable.

rative:

DF = Dilution Factor Used

Approved By: John Fawcett Date: 7/6/98

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : EL PASO FIELD SERVICES
PROJECT # : (none)
PROJECT NAME : PHASE II DRILLING

AEN I.D.: 806356

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	980469	NON-AQ	6/8/98	6/18/98	6/18/98	1
02	980485	NON-AQ	6/10/98	6/18/98	6/19/98	1
03	980486	NON-AQ	6/10/98	6/18/98	6/19/98	10

PARAMETER	DET. LIMIT	UNITS	01	02	03
FUEL HYDROCARBONS, C6-C10	10	MG/KG	< 10	< 10	**1200**
FUEL HYDROCARBONS, C10-C22	5.0	MG/KG	< 5.0	< 5.0	**260**
FUEL HYDROCARBONS, C22-C36	5.0	MG/KG	< 5.0	< 5.0	< 50
CALCULATED SUM:					**1460**
SURROGATE: O-TERPHENYL (%)			101	102	97
SURROGATE LIMITS	(66 - 151)				

CHEMIST NOTES:
N/A

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)		
BLANK I.D.	: 061898	AEN I.D.	: 806356
CLIENT	: EL PASO FIELD SERVICES	DATE EXTRACTED	: 6/18/98
PROJECT #	: (none)	DATE ANALYZED	: 6/18/98
PROJECT NAME	: PHASE II DRILLING	SAMPLE MATRIX	: NON-AQ

PARAMETER	UNITS	
FUEL HYDROCARBONS, C6-C10	MG/KG	< 10
FUEL HYDROCARBONS, C10-C22	MG/KG	< 5.0
FUEL HYDROCARBONS, C22-C36	MG/KG	< 5.0

SURROGATE:
TERPHENYL (%) 121
SURROGATE LIMITS (80 - 151)

CHEMIST NOTES:
N/A

American Environmental Network (NM), Inc.

CHAIN OF CUSTODY

DATE: 6-15-98 PAGE: 1 OF 1

AEN (NM) Accession #: 806356

SHADED AREAS ARE FOR LAB USE ONLY

PROJECT MANAGER: JOHN CAMBOIN

COMPANY: EL PASO FIELD SERVICE

ADDRESS: 614 REILLY AVENUE
FARMINGTON NM 87401

PHONE: (505) 599-2144

FAX: (505) 599-2261

BILL TO: SAME AS ABOVE

COMPANY:

ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline)	8021 (BTEX) ☐ MTBE ☐ TMB ☐ PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐ / DBCP ☐	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides /PCB (608/8081)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310)	General Chemistry:			Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:	NUMBER OF CONTAINERS
980469	6-8-98	1347	SOIL	01		X																									1
980485	6-10-98	0915	SOIL	02		X																									1
980486	6-10-98	1400	SOIL	03		X																									1

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT INFORMATION

PROJ. NO.:

PROJ. NAME: PHASE II DRILLING

P.O. NO.:

SHIPPED VIA: FED-X

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) X

CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS: FIXED FEE ☐

RELINQUISHED BY: 1.

Signature: Dennis Bird Time: 1312

Printed Name: DENNIS BIRD Date: 6-15-98

Company: EL PASO FIELD SERVICE

RECEIVED BY:

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 2.

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: 2.

Signature: Time:

Printed Name: Date:

Company:

1/5/ Inc.: American Environmental Network (NM), Inc. • 2709-D Pan American Freeway, NE • A ue, New Mexico 87107 • (505) 344-3777 • Fax (505) 344-4413

DISTRIBUTION: AEN, Canary - Origina

BTEX SOIL SAMPLE WORKSHEET

File	:	980469	Date Printed	:	6/22/98
Soil Mass (g)	:	5.12	Multiplier (L/g)	:	0.00098
Extraction vol. (mL)	:	10	CAL FACTOR (Analytical):		200
Shot Volume (uL)	:	50	CAL FACTOR (Report):		0.19531

			DILUTION FACTOR:	1
Benzene	(ug/L)	: <0.5	Benzene (mg/Kg):	#VALUE!
Toluene	(ug/L)	: <0.5	Toluene (mg/Kg):	#VALUE!
Ethylbenzene	(ug/L)	: <0.5	Ethylbenzene (mg/Kg):	#VALUE!
p & m-xylene	(ug/L)	: <1.0	p & m-xylene (mg/Kg):	#VALUE!
o-xylene	(ug/L)	: <0.5	o-xylene (mg/Kg):	#VALUE!
			Total xylenes (mg/Kg):	#VALUE!
			Total BTEX (mg/Kg):	#VALUE!

Det. Limit
0.488
0.488
0.488
0.977
0.488
1.465

El Paso Natural Gas Company

Phase II Drilling

CHAIN OF CUSTODY RECORD

7-23-98 final.
7.23.98 Chloride

Page _____ of _____

PROJECT NUMBER	PROJECT NAME
# 24324	Pit Closure Project

SAMPLERS: (Signature) Cory Cheney DATE: 6/8/98

LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020	LAB PID	TPH 8015	Field PID	SEQUENCE #	REMARKS
9804169	6/8/98	1347	Soil	CMC393	1	VG		✓		✓	66		EE Elliott B#12 75944 85-85'

Cmc 6/8/98

CONTRACT LABORATORY P. O. NUMBER

REQUESTED ANALYSIS

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Cory Cheney	6/8/98 1700	Cory Cheney	Cory Cheney	6/10/98 0732	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)
				6/10/98 0735	John Faulkner

REQUESTED TURNAROUND TIME:
☑ ROUTINE ☐ RUSH _____

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS
Cool & Intact 380

CHARGE CODE

RESULTS & INVOICES TO:
FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499
505-599-2144 FAX: 505-599-2261

White - *Testing Laboratory* Canary - *EPNG Lab* Pink - *Field Sampler*

FM-08-0565 A (Rev. 05-94)