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

State of New Mexico
Energy Minerals and Natural Resources

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

Risk Defined 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

30-039-21227

Operator: Phillips Telephone

Address:

Facility Or: San Juan 29-6 Unit 60A, Meter 89553
Well Name

Location: Unit or Qtr/Qtr Sec J Sec 18 T 29 R 6 County Rio Arriba

Pit Type: Separator _____ Dehydrator X Other _____

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

DEC 2002 RECEIVED OIL CONS. DIV. DIST. 3

Pit Location: Pit dimensions: length 29', width 28', depth 5'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 35'

Direction from reference: 76 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: 06/24/94 Date completed: 06/24/94

Remediation Method: (Check all appropriate sections.) Excavation X Approx. cubic yards 290

Landfarmed _____ Insitu Bioremediation _____

Other _____

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) Onsite _____ Offsite Tierra

General Description of Remedial Action: Some lines marked. Very large pit. Started remediating to 12'. Soil Smelled bad and dark gray.

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 06/24/94 Sample time 10:20

Sample Results

Benzene(ppm) 1.1

Total BTEX(ppm) 246

Field headspace(ppm) 967

TPH 1740

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

San Juan 29-6 Unit 60A
Meter/Line ID 89553

SITE DETAILS

Legals - Twn: 29N	**Rng: 6W**	**Sec: 18**	**Unit: J**
NMOCD Hazard Ranking: 10		**Land Type: FEE**	
Operator: Phillips Petroleum Company		**Pit Closure Date: 6/24/94**	

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 and laboratory analysis for TPH. Groundwater was not encountered in the test pit. Headspace analysis indicated an organic vapor content of 967 ppm, laboratory analysis indicated a benzene concentration of 1.1 mg/kg, a total BTEX concentration of 246 mg/kg, and a TPH concentration of 1,740 mg/kg. The TPH and total BTEX measurements exceeded recommended remediation levels for the Hazard Ranking Score of 10.

Approximately 290 cubic yards of soil were excavated and hauled to Tierra, a commercial landfarm, for treatment and disposal. The pit was backfilled with clean soil and graded in a manner to direct surface runoff away from the pit area.

A Phase II boring was completed with refusal at 90 ft bgs. No groundwater was encountered in the soil boring. One laboratory sample was collected at 88-90 ft bgs. Headspace analysis indicated an organic vapor content of 210 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of 14.6 mg/kg, and a TPH concentration of 240 mg/kg. The benzene, total 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 pit location for the following reasons:

- The primary source, discharge to the pit, has been removed for over eight years.
- The impacted soils were excavated to the practical extent of the equipment and subsurface conditions.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Backfilling the pit with clean soil eliminated the potential for direct contact with hazardous constituents by livestock or the public; i.e., direct contact exposure pathways are incomplete.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Groundwater was not encountered in the soil boring to 90 ft bgs.

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 89553 Location: San Juan 29-6 Unit 60 A

Operator #: 7035 Operator Name: Phillips P/L District: Bloomfield

Coordinates: Letter J Section 18 Township: 29 Range: 6

or Latitude _____ Longitude _____

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

Site Assessment Date: 6/4/99 Area: 10 Run: 61

Revised Date: 12/10/01

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 _____

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

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

TOTAL HAZARD RANKING SCORE 10 **POINTS**

REMARKS

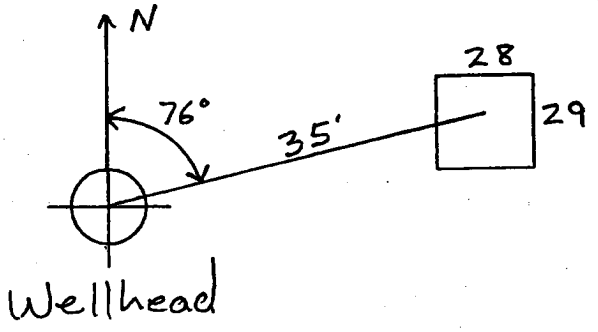
Remarks: Revision Based on Re-Assessment of Depth to Groundwater

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 76 Footage from Wellhead 35

b) Length : 29 Width : 28 Depth : 5



REMARKS

Remarks : Photos - 1513 hrs

Completed By:

Signature

6-6-94

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 89553 Location: SAN JUAN 29-6 UNIT 60A

Coordinates: Letter: J Section 18 Township: 29 Range: 6

Or Latitude _____ Longitude _____

Date Started : ~~6-23-94~~ 6-24-94 KP-6-24-94 Area: 10 Run: 61

FIELD OBSERVATIONS

Sample Number(s): KP# 108 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 967 PID Reading Depth 12' Feet

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

CLOSURE

Remediation Method :

Excavation	☒ (1)	Approx. Cubic Yards 290
Onsite Bioremediation	☐ (2)	
Backfill Pit Without Excavation	☐ (3)	

Soil Disposition:

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

Pit Closure Date: ~~6-23-94~~ 6-24-94 KP-6-24-94 Pit Closed By: B.E.I

REMARKS

Remarks : Some LINE MARKERS Real Big Pit Started Remediating To 12' Soil Smell Bad. And DARK GRAY Real Big Pit.

Signature of Specialist: Kelly Padilla

(SP3191) 04/07/94

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 108	94511
MTR CODE | SITE NAME:	89553	N/A
SAMPLE DATE | TIME (Hrs):	6-24-94	1020
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	6/27/94	6/27/94
DATE OF BTEX EXT. | ANAL.:	6/29/94	6/30/94
TYPE | DESCRIPTION:	VC	Brown Sand/Clay

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS DF	Q	M(g)	V(ml)
BENZENE	1.1	MG/KG	20			
TOLUENE	47	MG/KG	20			
ETHYL BENZENE	8.0	MG/KG	20			
TOTAL XYLENES	190	MG/KG	20			
TOTAL BTEX	246	MG/KG				
TPH (418.1)	1740	MG/KG			2.22	28
HEADSPACE PID	967	PPM				
PERCENT SOLIDS	88.8	%				

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

Surrogate Recovery was at 76 % for this sample All QA/QC was acceptable.

Narrative: ATI results attached.

DF = Dilution Factor Used

Approved By: _____ Date: 7/7/94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 406418
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	945504	NON-AQ	06/23/94	06/29/94	06/30/94	5
02	945505	NON-AQ	06/23/94	06/29/94	06/30/94	20
03	945511	NON-AQ	06/24/94	06/29/94	06/30/94	20

PARAMETER	UNITS	01	02	03
BENZENE	MG/KG	<0.12	0.81	1.1
TOLUENE	MG/KG	<0.12	105	47
ETHYLBENZENE	MG/KG	0.38	19	8.0
TOTAL XYLENES	MG/KG	12	310	190
SURROGATE: BROMOFLUOROBENZENE (%)		94	107	76

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 1 of 3

PHILIP ENVIRONMENTAL
1000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Name EPNG Pits
Project Number 14509 Phase 6000.77
Project Location San Juan 29-6 Unit 60-A
89553

Elevation
Borehole Location T29N, R6W, S 18
GWL Depth
Logged By Jeff W. Kindley
Drilled By G. Sudduth
Date/Time Started 08/21/95 1316
Date/Time Completed 08/22/95 1218

Well Logged By Jeff W. Kindley
Personnel On-Site D. Roberts, G Sudduth, H Kell
Contractors On-Site
Client Personnel On-Site

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

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/BS	Drilling Conditions & Blow Counts
0				Backfill material to 12'						
5										
10										
15										
20	1	18-20	.6/2.0	CL, BR CLAY, moist, stiff, medium plasticity, hydrocarbon odor.					129/216	1429 12 blows per Foot
25	2	23-25	.6/2.0	CL, BR SANDY CLAY, moist, medium stiff, medium plasticity, hydrocarbon odor.					203/193	1433 8 blows per foot
30	3	28-30	.7/2.0	S.A.A					189/189	1439 5 blows per Foot
35	4	33-35	.7/2.0	CL, BR CLAY, moist, soft, high plasticity, hydrocarbon odor					209/210	1445 3 blows per Foot
40	5	38-40	.7/2.0	CL, BR CLAY, moist, stiff medium plasticity, hydro. odor					81/191	1451 12 blows per Foot

Comments:

Geologist Signature Jeffrey Kindley

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 2 of 3

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

Project Name EPNG Pits
Project Number 14509 Phase 6000.77
Project Location San Juan 29-6 Unit 60-A
89553

Elevation
Borehole Location T29N, R6W, S18
GWL Depth
Logged By Jeff W. Kindley
Drilled By G. Suddath
Date/Time Started 08/21/95 1316
Date/Time Completed 08/22/95 1218

Well Logged By Jeff W. Kindley
Personnel On-Site D. Roberts, G. Suddath, H. Kin
Contractors On-Site
Client Personnel On-Site

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

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/MS	Drilling Conditions & Blow Counts
40										
45	6	43-44	.7/2.0	S, A, A - very stiff					147/171	1456 17 blows per Foot
50	7	48-50	.8/2.0	SC, BR CLAYEY SAND (20% clay) Loose, hydrocarbon odor.					111/168	1504 8 blows per Foot
55	8	53-55	.5/2.0	S, A, A					131/204	1515 8 blows per Foot
60	9	58-60	.6/2.0	CL, BR CLAY, moist, STIFF, medium plasticity, hydrocarbon odor.					162/190	1523 10 blows per Foot
65	10	63-65	.8/2.0	S, A, A					109/171	1545 12 blows per Foot
70	11	68-70	.8/2.0	SW, BR SAND, medium grained, very dense, hydrocarbon odor					172/155	1555 72 blows per Foot
75	12	73-75	.8/2.0	CL, BR CLAY, dry, Hard, low plasticity, hydrocarbon odor.					152/165	1628 100 blows per Foot
										08/22/95
80	13	78-80	.7/2.0	S, A, A.					225/276	0938 100 blows per Foot

Comments:

Geologist Signature Jeffrey Kindley

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 3 of 3

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

Project Name EPNG Pits
Project Number 14509 Phase 6000.77
Project Location San Juan 29-6 Unit 60-A
89553
Well Logged By Jeff W. Kindley
Personnel On-Site D. Roberts, G. Suddath, H Keil
Contractors On-Site
Client Personnel On-Site

Elevation
Borehole Location T29N, R6W, S18
GWL Depth
Logged By Jeff W. Kindley
Drilled By G. Suddath
Date/Time Started 08/21/95 1316
Date/Time Completed 08/22/95 1218

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

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	Drilling Conditions & Blow Counts
80										
85	14	83-85	12/2.0	S.A.A.					207/219	1025 100 blows on Foot
90	15	88-90	16/2.0	MH, BR siltstones, dry, Very dense, hydrocarbon odor. Boring terminated at 90' due to auger refusal					201/210	1115 100 blows on Foot
15										
20										
25										
30										
35										
40										

Comments: Sample collected at 88 to 90 feet. Sample analyzed for BTEX and TPH. Auger refusal at 90 feet. BH was grouted to the surface

Geologist Signature Jeffrey Kindley

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JWK38	947306
MTR CODE | SITE NAME:	89553	San Juan 29-6 Unit 60-A
SAMPLE DATE | TIME (Hrs):	08/22/95	11:15
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. | ANAL.:	8/23/95	
DATE OF BTEX EXT. | ANAL.:	8/24/95	
TYPE | DESCRIPTION:	VG	Light brown sand & sand stones

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS DF	Q	M(g)	V(ml)
BENZENE	< .5	MG/KG				
TOLUENE	6.0	MG/KG				
ETHYL BENZENE	< .5	MG/KG				
TOTAL XYLENES	8.3	MG/KG				
TOTAL BTEX	14.6	MG/KG				
TPH (418.1)	240	MG/KG			2.05	28
HEADSPACE PID	210	PPM				
PERCENT SOLIDS	95.6	%				

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

The Surrogate Recovery was at 96% for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

BTEX SOIL SAMPLE WORKSHEET

File	947306	**Date Printed**	8/26/95
Soil Mass (g)	5.01	**Multiplier (L/g)**	0.00100
Extraction vol. (mL)	20	**DF (Analytical)**	200
Shot Volume (uL)	100	**DF (Report)**	0.19960

				Det. Limit
Benzene (ug/L)	0.00	**Benzene (mg/Kg):**	**0.000**	0.499
Toluene (ug/L)	30.16	**Toluene (mg/Kg):**	**6.020**	0.499
Ethylbenzene (ug/L)	1.57	**Ethylbenzene (mg/Kg):**	**0.313**	0.499
p & m-xylene (ug/L)	33.90	p & m-xylene (mg/Kg):	6.766	0.998
o-xylene (ug/L)	7.66	o-xylene (mg/Kg):	1.529	0.499
		Total xylenes (mg/Kg):	**8.295**	1.497
		Total BTEX (mg/Kg):	**14.629**	