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

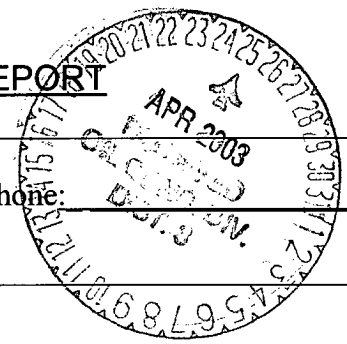
State of New Mexico
Energy Minerals and Natural Resources

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

Risk
Bedrock reached
Plume defined

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

(Revised 3/9/94)



PIT REMEDIATION AND CLOSURE REPORT

30-045-22134

Operator: Amoco (*Site Closed by El Paso Field Services*) Telephone: _____

Address: _____

Facility Or: Leeper Gas Com Well No.1A, Meter 89511
Well Name

Location: Unit or Qtr/Qtr Sec C Sec 34 T 32 R 10 County San Juan

Pit Type: Separator _____ Dehydrator _____ Other Drip

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

Pit Location: Pit dimensions: length 26', width 26', depth 3'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 118'

Direction from reference: 59 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	(20 points)
	50 feet to 99 feet	(10 points)
	Greater than 100 feet	(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	(20 points)
	No	(0 points) 0
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.)	Less than 200 feet	(20 points)
	200 feet to 1000 feet	(10 points)
	Greater than 1000 feet	(0 points) 10

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: 09/21/94 Date completed: 09/21/94

Remediation Method: (Check all appropriate sections.) Excavation X Approx. cubic yards 90

Landfarmed _____ Insitu Bioremediation _____

Other _____

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

General Description of Remedial Action: Excavated pit to 12'; took PID sample; closed pit.

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 09/21/94 Sample time 12:10

Sample Results

Benzene(ppm) 0.23

Total BTEX(ppm) 17.7

Field headspace(ppm) 203

TPH 17500

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 4/22/03

Signature Scott T. Pope

Printed Name and Title Scott Pope, Senior Environmental Scientist

elpaso

PIT CLOSURE REQUEST

Leeper Gas Com Well No. 1A
Meter/Line ID 89511

SITE DETAILS

Legals - Twn: 32N	**Rng: 10W**	**Sec: 34**	**Unit: C**
NMOCD Hazard Ranking: 20		**Land Type: Fee**	
Operator: Amoco Production Company		**Pit Closure Date: 9/21/94**	

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 203 ppm, while laboratory analysis indicated a benzene concentration of 0.23 mg/kg, a total BTEX concentration of 17.7 mg/kg, and a TPH concentration of 17,500 mg/kg. The TPH measurements exceeded recommended remediation levels for the Hazard Ranking Score.

Approximately 90 cubic yards of impacted soil was excavated and removed off-site to the Tierra land farm. The pit was backfilled 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 at 22 ft bgs and a soil sample was collected for field headspace, and laboratory analysis for TPH and total BTEX. No groundwater was encountered in the soil boring. Headspace analysis indicated an organic vapor content of 2 ppm, laboratory analysis indicated a benzene concentration of <0.025 mg/kg, a total BTEX concentration of 0.056 mg/kg, and a TPH concentration of 1,870 mg/kg. The benzene and total BTEX concentrations were below recommended remediation levels for the Hazard Ranking Score.

No Phase III activities were performed.

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.
- Impacted soils were excavated to the practical extent of the equipment and subsurface conditions. All excavated material was disposed of at an off-site facility.
- 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 unlikely to be completed.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 89511 Location: Leeper Gas Com Well #1R
Operator #: 0203 Operator Name: Amoco P/L District: Aztec
Coordinates: Letter C Section 34 Township: 32 Range: 10
or Latitude _____ Longitude _____
Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
Site Assessment Date: 9/7/94 Area: 04 Run: 43
Revised Date: 1/7/03

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 Animas River
(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 20 **POINTS**

REMARKS

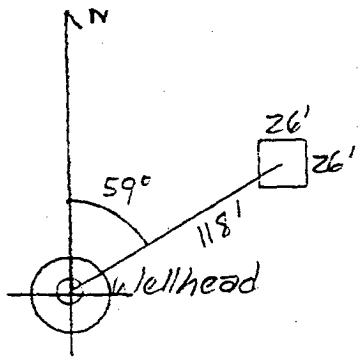
Remarks: Revision Based on Re-Assessment of depth to Groundwater & Distance to nearest surface water Body.

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 59° Footage from Wellhead 118'

b) Length : 26' Width : 26' Depth : 3'



REMARKS

Remarks :

Pictures @ 1112 (1-4, Roll 2)

Dump Truck

Completed By:

Signature

01/7/94

Date

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 1 of 1

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 Leeper Gas Com Well #1A 89514

Elevation
Borehole Location QC-534-T32 R 10
GWL Depth
Logged By CM CHANCE
Drilled By K Padilla
Date/Time Started 7/20/95 - 1220
Date/Time Completed 7/20/95 - 1430

Well Logged By CM Chance
Personnel On-Site K Padilla, F. Pino, D. Gatton
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 HS	Drilling Conditions & Blow Counts
0				Backfill to 12'						
5										
10										
15	1	15-17	24	Dk Gry sandy CLAY, soft, low-med plastic, sl moist, odor, vf sand			1	20	62/255	1350 hr
20	2	20-22	4"	Br sandy CLAY, vf sand, soft, low plastic, sl moist			1	20	0/2	1400
25				TDB 22'						
30										
35										
40										

Comments: (CMC69) 20-22' sample sent to lab (BTEX, TPH). Insufficient volume to fill sample jar with no headspace. BH grouted to surface

Geologist Signature

El Paso Natural Gas Company

Phase II Drilling 20-22'

FIELD SERVICES LABORATORY Leaper Gas Com #1A

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC 69	947046
MTR CODE | SITE NAME:	89511	N/A
SAMPLE DATE | TIME (Hrs):	07-20-95	14:00
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	7-24-95	7-24-95
DATE OF BTEX EXT. | ANAL.:	7-26-95	7-27-95
TYPE | DESCRIPTION:	VG	Brown fine sand & clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.025	MG/KG	1			
TOLUENE	<0.025	MG/KG	1			
ETHYL BENZENE	<0.025	MG/KG	1			
TOTAL XYLENES	0.056	MG/KG	1			
TOTAL BTEX	0.056	MG/KG				
TPH (418.1)	~~1074~~ 1870 KTK 7/27/95	MG/KG			2.09	28
HEADSPACE PID	2	PPM				
PERCENT SOLIDS	88.9	%				

-- 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: ATI Results attached for BTEX and modified 8015.

DF = Dilution Factor Used