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

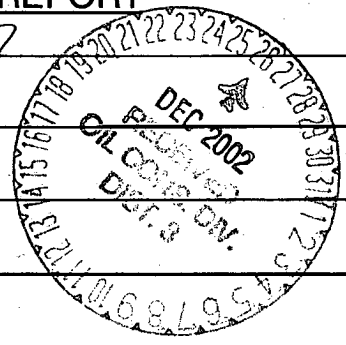
Risk plume Defined

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

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

30-045-22367



Operator: Amoco by EPFS Telephone: _____

Address: _____

Facility Or: Gartner LS #7A, Meter 90001
Well Name

Location: Unit or Qtr/Qtr Sec F Sec 26 T 30 R 8 County San Juan

Pit Type: Separator _____ Dehydrator _____ Other Drip

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

Pit Location: Pit dimensions: length 30', width 24', depth 3'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 44'

Direction from reference: 150 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)	0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 05/19/94 Date completed: 05/19/94

Remediation Method: (Check all appropriate sections.) Excavation X Approx. cubic yards 60

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 line markers. Pit has a little oil in it. Started remediating to 12'. Soil light gray with a smell. 12' soil turned light brown. PID 012. 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 05/19/94 Sample time 09:20

Sample Results

Benzene(ppm) <0.025

Total BTEX(ppm) 0.107

Field headspace(ppm) 012

TPH 3390

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 Scott T. Pope and Title Senior Env. Scientist

elpaso

PIT CLOSURE REQUEST

Gartner LS #7A
Meter/Line ID 90001

SITE DETAILS

Legals - Twn: 30N	**Rng: 8W**	**Sec: 26**	**Unit: F**
NMOCD Hazard Ranking: 10		**Land Type: BLM**	
Operator: Amoco Production Company		**Pit Closure Date: 5/19/94**	

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 and BTEX. Groundwater was not encountered in the test pit. Headspace analysis indicated an organic vapor content of 12 ppm, laboratory analysis indicated a benzene concentration of <0.025 mg/kg, a total BTEX concentration of 0.107 mg/kg, and a TPH concentration of 3,390 mg/kg. The TPH measurement exceeded recommended remediation levels for the Hazard Ranking Score of 10.

Approximately 60 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 to 17 ft bgs. No groundwater was encountered in the soil boring. One laboratory sample was collected at 15-17 ft bgs. Headspace analysis indicated an organic vapor content of 5 ppm; laboratory analysis indicated a benzene concentration of <0.025 mg/kg, a total BTEX concentration of <0.10 mg/kg, and a TPH concentration of 349 mg/kg. The benzene, TPH and total BTEX concentrations were below recommended remediation levels for the Hazard Ranking Score.

No Phase III excavation was done.

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 disposed of at an off-site location.
- 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 17 ft bgs.

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 90001 Location: GONEMER LS # 7A
Operator #: 0203 Operator Name: AMOCO P/L District: BLOOMFIELD
Coordinates: Letter F Section 26 Township: 30 Range: 8
or Latitude _____ Longitude _____
Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
Site Assessment Date: 5/10/94 Area: 10 Run: 41
Revised Date: 12/10/02

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 _____

(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

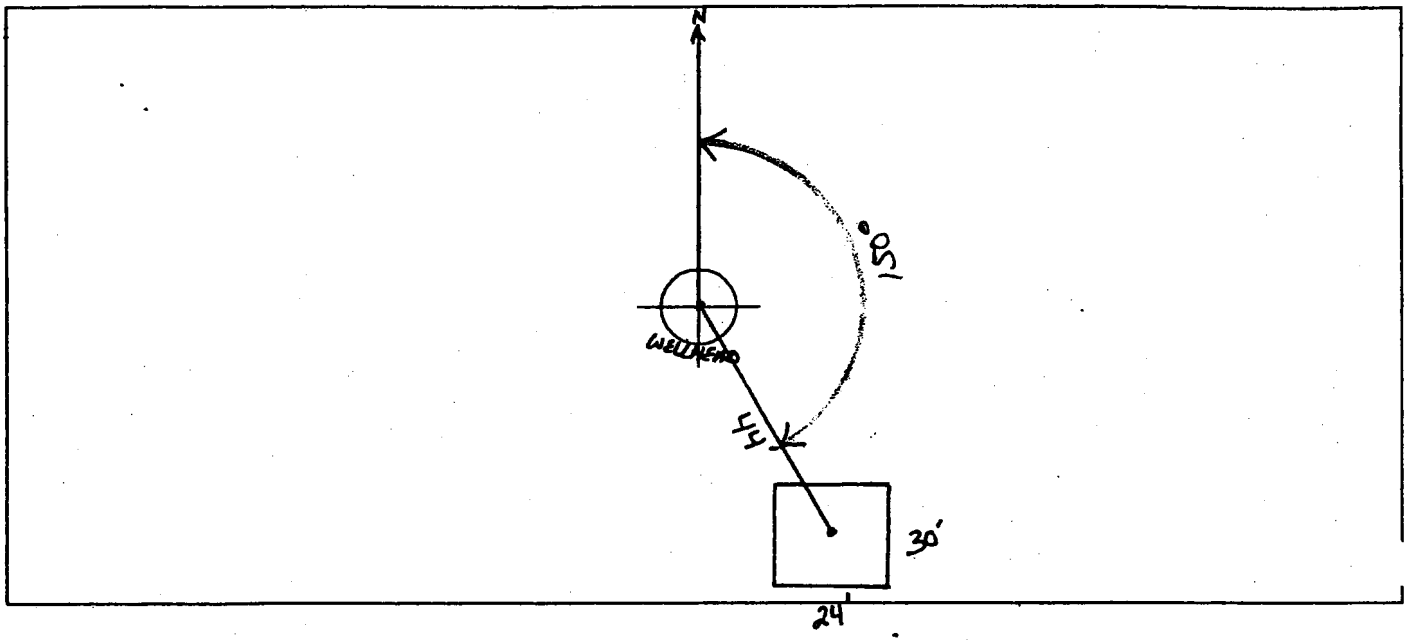
Remarks: REVISION BASED ON RE-ASSESSMENT OF BOTH DEPTH TO GROUNDWATER & DISTANCE TO NEAREST SURFACE WATER.

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 150° Footage from Wellhead 44'

b) Length : 30' Width : 24' Depth : _____



REMARKS

Remarks :

TOOK PICTURES AT
END DUMP

Completed By:

Robert Thompson
Signature

5-10-94
Date

30

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP59	945232
MTR CODE | SITE NAME:	90001	N/A
SAMPLE DATE | TIME (Hrs):	5-19-94	0920
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	5/20/94	5-20-94
DATE OF BTEX EXT. | ANAL.:	5/27/94	5/31/94
TYPE | DESCRIPTION:	VC	Brown Sand

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	0.032	MG/KG	1			
TOTAL BTEX	0.107	MG/KG				
TPH (418.1)	3390	MG/KG			2.06	28
HEADSPACE PID	012	PPM				
PERCENT SOLIDS	91.9	%				

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

The Surrogate Recovery was at 91 % for this sample All QA/QC was acceptable.

Narrative: ATI results attached.

DF = Dilution Factor Used

Approved By: John Fowler Date: 7/14/94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)

CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 405406

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	945232	NON-AQ	05/19/94	05/27/94	05/31/94	1
02	945233	NON-AQ	05/19/94	05/27/94	05/31/94	50
03	945234	NON-AQ	05/19/94	05/27/94	05/31/94	1

PARAMETER	UNITS	01	02	03
BENZENE	MG/KG	<0.025	<1.2	<0.025
TOLUENE	MG/KG	<0.025	19	<0.025
ETHYLBENZENE	MG/KG	<0.025	3.0	0.11
TOTAL XYLENES	MG/KG	0.032	50	2.2
SURROGATE:				
BROMOFLUOROBENZENE (%)		91	NA*	100

*SURROGATE RECOVERY NOT OBTAINABLE DUE TO SAMPLE DILUTION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 90001 Location: GARTNER LS #7A

Coordinates: Letter: F Section 26 Township: 30 Range: 8

Or Latitude _____ Longitude _____

Date Started : 5-19-94 Area: 10 Run: 41

FIELD OBSERVATIONS

Sample Number(s): KP#59 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 012 PID Reading Depth 12' Feet

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

CLOSURE

Remediation Method :

Excavation	☒ (1)	Approx. Cubic Yards 60
Onsite Bioremediation	☐ (2)	
Backfill Pit Without Excavation	☐ (3)	

Soil Disposition:

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

Pit Closure Date: 5-19-94 Pit Closed By: B.E.I

REMARKS

Remarks : Some LINE markers Pit got little oil IN It. Started Remediating TO 12' Soil LightT gray sands with A Smell 12 soil Turned LightT Brown. Pid 012. Closed Pit

Signature of Specialist: Kelly Padilla

(SP3191) 04/07/94

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 Gartner LS 7A 90001

Elevation
Borehole Location
GWL Depth
Logged By CM CHANCE
Drilled By ~~M DONOHUE~~ K. Padilla
Date/Time Started 6/15/95 - 1345
Date/Time Completed 6/15/95 - 1445

Well Logged By CM Chance
Personnel On-Site K. Padilla, F. Rivera, D. Tsalate
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'						
15	1	15-17	6"	1+ Br silty CLAY, med stiff, sl moist,			0	0	0/5	1356 hrs
				TOB 17'						
20										
25										
30										
35										
40										

Comments: 15-17' sample (CMC 57) sent to lab. (BTEX, TPH) BH grouted to surface

Geologist Signature

El Paso Natural Gas Company

Phase II
Southwest 7A

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

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	cmc 57	946907
MTR CODE | SITE NAME:	90001	N/A
SAMPLE DATE | TIME (Hrs):	6-15-95	1356
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	6-19-95	6-19-95
DATE OF BTEX EXT. | ANAL.:	6-21-95	6-22-95
TYPE | DESCRIPTION:	V6	Brown 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	<0.025	MG/KG	1			
TOTAL BTEX	<0.10	MG/KG				
TPH (418.1)	349	MG/KG			2.03	28
HEADSPACE PID	5	PPM				
PERCENT SOLIDS	90.2	%				

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

The Surrogate Recovery was at 89 % for this sample All QA/QC was acceptable.

Narrative:
ATI Results attached for BTEX and 8015 Modified

DF = Dilution Factor Used

Approved By: _____ Date: 7/11/95

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 506387
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	946906	NON-AQ	06/15/95	06/21/95	06/22/95	1
02	946907	NON-AQ	06/15/95	06/21/95	06/22/95	1
03	946908	NON-AQ	06/15/95	06/21/95	06/22/95	1

PARAMETER	UNITS	01	02	03
BENZENE	MG/KG	<0.025	<0.025	<0.025
TOLUENE	MG/KG	<0.025	<0.025	<0.025
ETHYLBENZENE	MG/KG	<0.025	<0.025	0.038
TOTAL XYLENES	MG/KG	<0.025	<0.025	0.28
SURROGATE:				
BROMOFLUOROBENZENE (%)		90	89	95

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED

CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 506387

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
02	946907	NON-AQ	06/15/95	06/23/95	06/24/95	1

PARAMETER	UNITS	02
FUEL HYDROCARBONS	MG/KG	170
HYDROCARBON RANGE		C12-C36
HYDROCARBONS QUANTITATED USING		DIESEL
SURROGATE:		
O-TERPHENYL (%)		103