

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

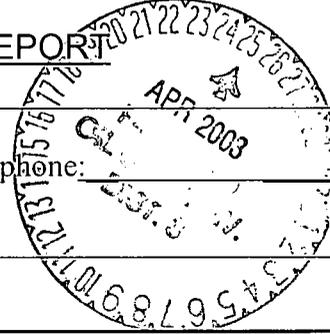
Failed
BTEX
TPH

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

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

30-048-22806



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

Telephone: _____

Address: _____

Facility Or: Marcotte Gas Com Well No. 1A, Meter 89903
Well Name _____

Location: Unit or Qtr/Qtr Sec I Sec 5 T 31 R 10 County San Juan

Pit Type: Separator _____ Dehydrator _____ Other Drip

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

Pit Location: Pit dimensions: length 27', width 25', depth 2'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 105'

Direction from reference: 284 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) <u>10</u>

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) <u>0</u>

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) <u>0</u>

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 09/22/94 Date completed: 09/22/94

Remediation Method: Excavation Approx. cubic yards 60
(Check all appropriate sections.) Landfarmed _____ Insitu Bioremediation _____
Other _____

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

General Description of Remedial Action: Excavated pit to 12'. Took PID sample, closed pit.

Ground Water Encountered: No Yes _____ Depth _____

Final Pit: Sample location Four walls and center of pit composite

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

Sample depth 12'

Sample Date 09/22/94 Sample time 10:45

Sample Results

Benzene(ppm) 14

Total BTEX(ppm) 496

Field headspace(ppm) 668

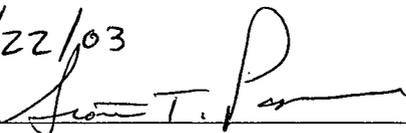
TPH 50600

Ground Water Sample: Yes _____ No (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



Printed Name
and Title

Scott Pope, Senior Environmental Scientist



PIT CLOSURE REQUEST

**Marcotte Gas Com Well No. 1A
Meter/Line ID 89903**

SITE DETAILS

Legals - Twn: 31N	Rng: 10W	Sec: 5	Unit: I
NMOCD Hazard Ranking: 10		Land Type: Fee	
Operator: Amoco Production Company		Pit Closure Date: 9/22/94	

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 668 ppm. Laboratory analyses indicated a benzene concentration of 14 mg/kg, a total BTEX concentration of 496 mg/kg, and a TPH concentration of 50,600 mg/kg. The Benzene, total BTEX and TPH measurements exceeded recommended remediation levels for the Hazard Ranking Score.

Approximately 60 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 with refusal (cobble) at 16 ft bgs. Environmental samples were not collected from this boring due to subsurface conditions.

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.
- The majority of impacted soils were excavated to the practical extent of the equipment and subsurface conditions. All excavated material was disposed of at an off-site location.
- The test pit was backfilled with clean soil from the surrounding berms 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.
- Groundwater was not encountered during the excavation.
- Residual hydrocarbons will likely degrade by natural attenuation with minimal risk to the environment.

**REVISED
FIELD PIT SITE ASSESSMENT FORM**

GENERAL

Meter: 84403 Location: MANCOTE Cons Com Well # 1A
 Operator #: 0203 Operator Name: AMALO P/L District: ATK
 Coordinates: Letter I Section 5 Township: 31 Range: 10
 or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Assessment Date: 8/15/94 Area: 04 Run: 32
 Revised Date: 1/7/03

SITE ASSESSMENT

NMOCOD Zone: (from NMCOD Maps) **Land Type:**

	BLM	<input type="checkbox"/> (1)
	State	<input type="checkbox"/> (2)
	Fee	<input checked="" type="checkbox"/> (3)
	Indian	_____

Inside (1)
 Outside (2)

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 (Navajo Pits Only)
 (2) > 100 feet

TOTAL HAZARD RANKING SCORE 10 **POINTS**

REMARKS

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

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 89-903 Location: Marcotte Gas Com Well No. 1A
 Operator #: 0203 Operator Name: Amoco Production P/L District: Aztec
 Coordinates: Letter: I Section 5 Township: 31 Range: 10
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Assessment Date: 8/15/94 Area: 04 Run: 32

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 Animas River

(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: 40 POINTS

REMARKS

Remarks : Redline Book - Inside Vulnerable Zone Type - Inside
Four pits on site, location drip pit has a small amount of liquid in it. Will close one pit.

DIG & HAUL

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:	KD 271	946191
MTR CODE SITE NAME:	99903	N/A
SAMPLE DATE TIME (Hrs):	9-27-94	1045
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	9-27-94	9-27-94
DATE OF BTEX EXT. ANAL.:	9-29-94	9-29-94
TYPE DESCRIPTION:	vc	Dark Brown Clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	14	MG/KG	20			
TOLUENE	140	MG/KG	20			
ETHYL BENZENE	22	MG/KG	20			
TOTAL XYLENES	320	MG/KG	20			
TOTAL BTEX	496	MG/KG				
TPH (418.1)	50,600 50,500 ^{10/28/94}	MG/KG			.17	28
HEADSPACE PID	668	PPM				
PERCENT SOLIDS	89.6	%				

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

The Surrogate Recovery was at 159 % for this sample All QA/QC was acceptable.

Narrative:

ATI Results Attached. Surrogate Recovery was outside ATI QC limits due to matrix interference.

DF = Dilution Factor Used

Approved By: JR

Date: 10/23/94

RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp.
 4000 Monroe Road
 Farmington, New Mexico 87401
 (606) 326-2262 FAX (606) 326-2388

Borehole # BH #1
 Well # _____
 Page 1 of 1

Project Name EPNG Pits
 Project Number 14509 Phase 601 6000
 Project Location Marquette Gas Com Well # 1A 89903

Elevation _____
 Borehole Location T31, R10, S5, T
 GWL Depth _____
 Logged By S. Kelly J. Kindley
 Drilled By Mr. Donahue
 Date/Time Started 08/02/95 1115
 Date/Time Completed 08/02/95 1215

Well Logged By S. Kelly J. Kindley
 Personnel On-Site M. Donahue, J. O'Keefe, A. Gallo
 Contractors On-Site _____
 Client Personnel On-Site _____
 Drilling Method 4 1/4" HSA
 Air Monitoring Method CGI, 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: NDU			Drilling Conditions & Blow Counts
							BZ	BH	S/H	
0				backfill material to 12'						
5										
10										
15		16-18'		Cobbles at 16' cobbles with some gray silt (gray).					162/240	Refusal at 16'
20				Boring terminated at 18'						
25										
30										
35										
40										

Comments: No sample collected due to no refusal.

Geologist Signature S. Kelly Kindley