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

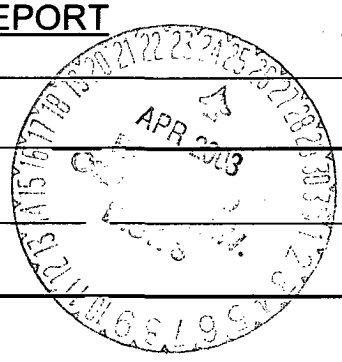
OK Approved Defined Plume

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

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

30-045-11890



Operator: Amoco Telephone:

Address:

Facility Or: Florance #55, Meter 75786
Well Name

Location: Unit or Qtr/Qtr Sec M Sec 22 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 16', width 16', depth 2'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 61 '

Direction from reference: 30 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) 20
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) 20

RANKING SCORE (TOTAL POINTS): 40

Date Remediation Started: 05/09/94 Date completed: 05/09/94

Remediation Method: (Check all appropriate sections.) Excavation X Approx. cubic yards 55

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. Started remediating to 12'. Soil real black and lots of sand. Soil still black on floor of pit and all four walls still black at 12'.

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 05/09/94 Sample time 11:15

Sample Results

Benzene(ppm) <0.50

Total BTEX(ppm) 140

Field headspace(ppm) 1963

TPH 3260

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 4/23/03

Signature Scott T. Printed Name and Title

elpaso

PIT CLOSURE REQUEST

Florance #55
Meter/Line ID 75786

SITE DETAILS

Legals - Twn: 30N	**Rng: 9W**	**Sec: 22**	**Unit: M**
NMOCD Hazard Ranking: 40		**Land Type: BLM**	
Operator: Amoco Production Company		**Pit Closure Date: 5/9/94**	

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 1,963 ppm; laboratory analysis indicated a benzene concentration of <0.50 mg/kg, a total BTEX concentration of 140 mg/kg, and TPH concentration of 3,260 mg/kg. The TPH and total BTEX measurements exceeded recommended remediation levels for the Hazard Ranking Score of 40.

Approximately 55 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 42 ft bgs. No groundwater was encountered in the soil boring. One laboratory sample was collected at 40-42 ft bgs. Headspace analysis indicated an organic vapor content of 46 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 107 mg/kg. The benzene and total BTEX concentrations were below recommended remediation levels for the Hazard Ranking Score of 40.

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 8 years.
- The impacted soil was excavated to the practical extent of the equipment and disposed of offsite.
- 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 42 ft bgs.

- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Benzene and total BTEX concentrations in the soil sample collected at the base of the Phase II soil boring at 42 ft bgs were non-detect. TPH concentrations at this depth are approximately 3% of the concentration at 12 ft bgs.
- Residual hydrocarbons in the soil will likely degrade by natural attenuation with minimal risk to the environment.

ATTACHMENTS

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

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 75786 Location: Florance #55
Operator #: 0203 Operator Name: Amoco P/L District: Bloomfield
Coordinates: Letter: M Section 22 Township: 30 Range: 9
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ___ Location Drip: X Line Drip: ___ Other: _____
Site Assessment Date: 4/25/94 Area: 10 Run: 33

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 (Horse 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: 40 **POINTS**

REMARKS

Remarks : Redline book shows site inside V.A. 2 pits. Will dig 1 Pit Dry. Topo shows site in vulnerable area also

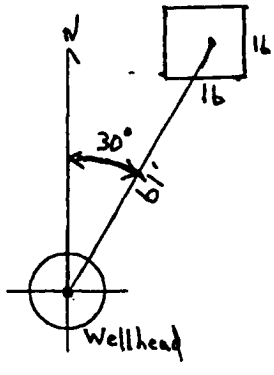
Dig & Haul

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 30° Footage from Wellhead 61'

b) Length : 16' Width : 16' Depth : 2'



REMARKS

Remarks :

Pictures taken at 11:28 am

End Dump

Completed By:

Cory Chandler
Signature

4/25/94
Date