

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

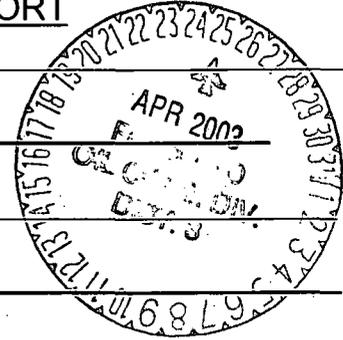
State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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Submit 1 copy to appropriate District Office and 1 copy to the Santa Fe Office (Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

30-045-20386



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

Address: _____

Facility Or: Florance 107 FT, Meter 87018

Well Name _____

Location: Unit or Qtr/Qtr Sec E Sec 8 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 14' , width 13' , depth 3'

(Attach diagram)

Reference: wellhead X , other _____

Footage from reference: 68'

Direction from reference: 294 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) <u> 10 </u>
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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>
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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) <u> 0 </u>
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RANKING SCORE (TOTAL POINTS): 40

Date Remediation Started: 05/10/94 Date completed: 05/10/94

Remediation Method: Excavation Approx. cubic yards 30
(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: No line markers. Pit looked dry. Dug down 8'. Sample PID 114. Soil still light gray. Dug down to 10'. Soil got light brown. PID 024.

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 10'

Sample Date 05/10/94 Sample time 13:45

Sample Results

Benzene(ppm) <0.025

Total BTEX(ppm) 0.145

Field headspace(ppm) 024

TPH 1580

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 4/24/03

Signature Scott T. Pope

Printed Name and Title Scott Pope, Senior Environmental Scientist



PIT CLOSURE REQUEST

**Florance #107 FT
Meter/Line ID 87018**

SITE DETAILS

Legals - Twn: 30N	Rng: 9W	Sec: 8	Unit: E
NMOCD Hazard Ranking: 10		Land Type: BLM	
Operator: Amoco Production Company		Pit Closure Date: 5/10/94	

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 10 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 24 ppm; laboratory analysis indicated a benzene concentration of <0.025 mg/kg, a total BTEX concentration of 0.145 mg/kg, and a TPH concentration of 1,580 mg/kg. The TPH measurement exceeded the recommended remediation levels for the Hazard Ranking Score of 10.

Approximately 30 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 terminated at 12 ft bgs. No groundwater was encountered in the soil boring. One laboratory sample was collected at 10-12 ft bgs. Headspace analysis indicated an organic vapor content of 18 ppm; laboratory analysis indicated a benzene concentration of <0.025 mg/kg, a total BTEX concentration of 0.335 mg/kg, and a TPH concentration of 9,970 mg/kg. The benzene and total BTEX concentrations were below recommended remediation levels for the Hazard Ranking Score of 10.

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.
- Groundwater was not encountered in the soil boring at 12 ft bgs; local geologic features indicate the depth to groundwater is greater than 50 ft bgs.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.



PIT CLOSURE REQUEST

- Benzene and BTEX measurements from the soil sample at the base of Phase II soil boring at 12 ft bgs were below recommended remediation levels for the Hazard Ranking Score.
- Residual hydrocarbons in the soil appear to consist predominantly of the less mobile constituents.
- Residual hydrocarbons in the soil will likely degrade by natural attenuation with minimal risk to the environment.

ATTACHMENTS

Field Pit Assessment Form

Revised Field Pit Assessment Forms

Field Pit Remediation/Closure Form

Phase II Soil Boring Log

Laboratory Analytical Results

**REVISED
FIELD PIT SITE ASSESSMENT FORM**

GENERAL

Meter: 87018 Location: FURNACE # 107 FT
 Operator #: 0203 Operator Name: AMMO P/L District: _____
 Coordinates: Letter E Section 8 Township: 30 Range: 9
 or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Assessment Date: 4/19/94 Area: 10 Run: 3
 Revised Date: 4/23/03

SITE ASSESSMENT

NMOCOD Zone:
 (from NMOCOD Maps)

Land Type:

	BLM	<input checked="" type="checkbox"/> (1)
	State	<input type="checkbox"/> (2)
	Fee	<input 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 CASHILO CANYON
 (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: _____

4.24.94
RT

Revised

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 87018 Location: FLORENCE # 107 FT
 Operator #: _____ Operator Name: _____ P/L District: _____
 Coordinates: Letter: _____ Section _____ Township: _____ Range: _____
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____
 Site Assessment Date: _____ 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

(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: 20 POINTS

REMARKS

Remarks : _____

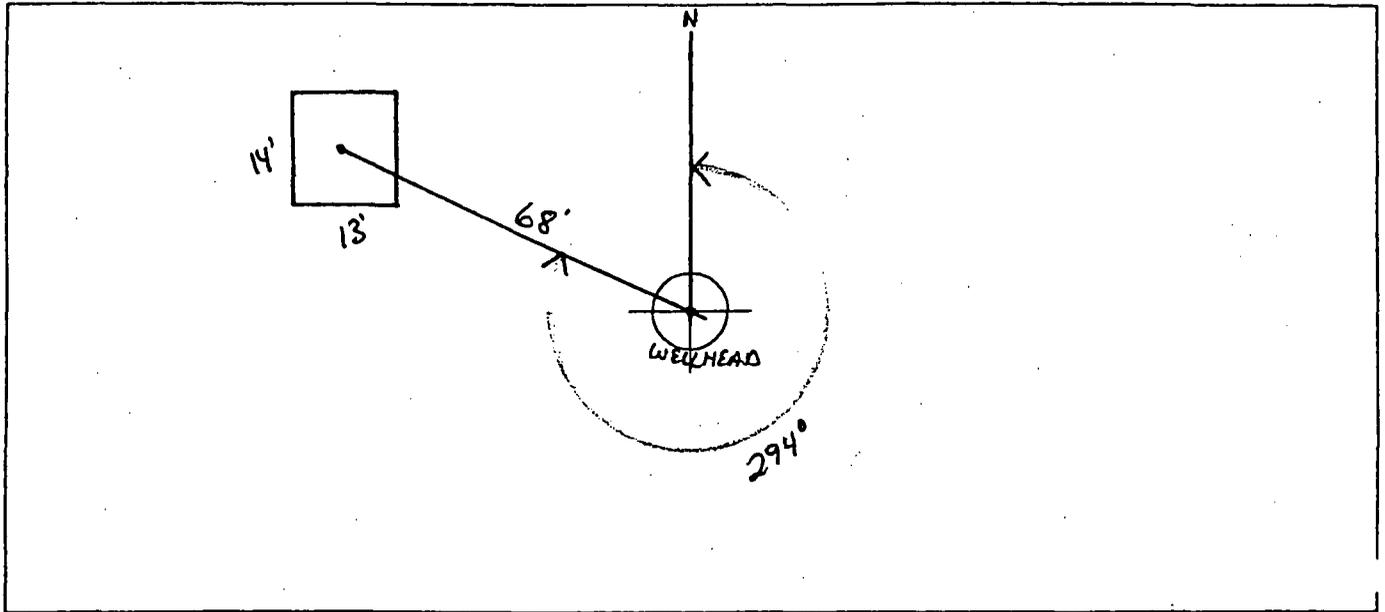
FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>97018</u> Location: <u>FLORANCE #107 FT</u></p> <p>Operator #: <u>0203</u> Operator Name: <u>Amoco</u> P/L District: <u>BLOOMFIELD</u></p> <p>Coordinates: Letter: <u>E</u> Section <u>8</u> Township: <u>30</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: <input checked="" type="checkbox"/> Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>4-19-94</u> Area: <u>10</u> Run: <u>33</u></p>																
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps)</p> <table style="width: 100%;"> <tr> <td style="width: 30%;">Inside</td> <td style="width: 30%;"><input checked="" type="checkbox"/> (1)</td> <td style="width: 30%;">Land Type: BLM</td> <td style="width: 10%;"><input checked="" type="checkbox"/> (1)</td> </tr> <tr> <td>Outside</td> <td><input type="checkbox"/> (2)</td> <td>State</td> <td><input type="checkbox"/> (2)</td> </tr> <tr> <td></td> <td></td> <td>Fee</td> <td><input type="checkbox"/> (3)</td> </tr> <tr> <td></td> <td></td> <td>Indian</td> <td>_____</td> </tr> </table> <p>Depth to Groundwater</p> <p>Less Than 50 Feet (20 points) <input type="checkbox"/> (1)</p> <p>50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2)</p> <p>Greater Than 100 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>Wellhead Protection Area :</p> <p>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? <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)</p> <p>Horizontal Distance to Surface Water Body</p> <p>Less Than 200 Ft (20 points) <input type="checkbox"/> (1)</p> <p>200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2)</p> <p>Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>Name of Surface Water Body _____</p> <p>(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)</p> <p>Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only)</p> <p style="padding-left: 150px;"><input type="checkbox"/> (2) > 100'</p> <p>TOTAL HAZARD RANKING SCORE: <u>0</u> POINTS</p>	Inside	<input checked="" type="checkbox"/> (1)	Land Type: BLM	<input checked="" type="checkbox"/> (1)	Outside	<input type="checkbox"/> (2)	State	<input type="checkbox"/> (2)			Fee	<input type="checkbox"/> (3)			Indian	_____
Inside	<input checked="" type="checkbox"/> (1)	Land Type: BLM	<input checked="" type="checkbox"/> (1)														
Outside	<input type="checkbox"/> (2)	State	<input type="checkbox"/> (2)														
		Fee	<input type="checkbox"/> (3)														
		Indian	_____														
REMARKS	<p>Remarks : <u>TWO PITS ON LOCATION. WILL CLOSE BOTH OF THEM. PITS ARE DRY. DO NOT KNOW WHY LOCATION IS IN THE WATER VULNERABLE ZONE.</u></p>																

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 294° Footage from Wellhead 68'
b) Length : 14' Width : 13' Depth : 3'

ORIGINAL PIT LOCATION



REMARKS

Remarks :

STARTED TAKING PICTURES AT 2:12 P.M.
END DUMP

Completed By:

Pat Chapman

Signature

4-19-94

Date