

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  
defined  
plane*

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

(Revised 3/9/94)

**PIT REMEDIATION AND CLOSURE REPORT**

30-045-08904

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

Telephone: \_\_\_\_\_

Address: \_\_\_\_\_

Facility Or: W.D. Heath B#3, Meter 75221

Well Name \_\_\_\_\_

Location: Unit or Qtr/Qtr Sec O Sec 31 T 30 R 9 County San Juan

Pit Type: Separator \_\_\_\_\_ Dehydrator X Other \_\_\_\_\_

Land Type: BLM X, State \_\_\_\_\_, Fee \_\_\_\_\_ Other \_\_\_\_\_

Pit Location: Pit dimensions: length 14', width 13', depth 1'  
(Attach diagram)

Reference: wellhead X, other \_\_\_\_\_

Footage from reference: 197'

Direction from reference: 83 Degrees X East North \_\_\_\_\_  
of  
\_\_\_\_\_ West South \_\_\_\_\_

Depth To Ground Water	Less than 50 feet	(20 points)
(Vertical distance from	50 feet to 99 feet	(10 points)
contaminants to seasonal	Greater than 100 feet	( 0 points) <u>0</u>
high water elevation of		
ground water.)		

Wellhead Protection Area:	Yes (20 points)
(Less than 200 feet from a private	No ( 0 points) <u>0</u>
domestic water source, or; less than	
1000 feet from all other water sources.)	

Distance To Surface Water:	Less than 200 feet	(20 points)
(Horizontal distance to perennial	200 feet to 1000 feet	(10 points)
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet	( 0 points) <u>0</u>
irrigation canals and ditches.)		

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 02/28/95 Date completed: 02/28/95

Remediation Method: Excavation                      Approx. cubic yards                     

(Check all appropriate sections.) Landfarmed                      Insitu Bioremediation                     

Other Backfill pit without excavation

Remediation Location: Onsite N/A Offsite N/A  
(i.e. landfarmed onsite,  
name and location of  
offsite facility)

General Description of Remedial Action: Arrived, dug sample hole. Pit soil was gray with strong hydrocarbon odor.

Ground Water Encountered: No X 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 02/28/95 Sample time 08:00

Sample Results

Benzene(ppm) Not reported.

Total BTEX(ppm) Not reported.

Field headspace(ppm) 483

TPH 2760

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. Pope

Printed Name  
and Title Scott Pope, Senior Environmental Scientist



## PIT CLOSURE REQUEST

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W. D. Heath B#3  
Meter/Line ID 75221

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### SITE DETAILS

Legals - Twn: 30N

Rng: 9W

Sec: 31

Unit: O

NMOCD Hazard Ranking: 0

Land Type: BLM

Operator: Amoco Production Company

Pit Closure Date: 2/28/95

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### RATIONALE FOR RISK-BASED CLOSURE

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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 483 ppm; laboratory analysis indicated a TPH concentration of 2,760 mg/kg. The TPH measurement within recommended remediation levels for the Hazard Ranking Score of 0.

No soil was disposed of offsite. The pit was backfilled with site soil, topped 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 auger refusal (bedrock) at 28 ft bgs. No groundwater was encountered in the soil boring. One laboratory sample was collected at 27-28 ft bgs. Headspace analysis indicated an organic vapor content of 49 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of <3 mg/kg, and a TPH concentration of <20 mg/kg. The benzene, total BTEX, and TPH concentrations were below recommended remediation levels for the Hazard Ranking Score of 0.

No Phase III activities were conducted.

El Paso Field Services requests clean closure of the above mentioned pit location for the following reasons:

- The primary source, discharge to the pit, has been removed for over 7 years.
- Benzene, TPH, and BTEX measurements from the soil sample at the base of the test pit and Phase II soil boring were below recommended remediation levels for the Hazard Ranking Score.
- The clean soil from the berms placed on top of the excavation would limit the potential for direct contact with hazardous constituents by livestock or the public; i.e., direct contact exposure pathways are unlikely to be completed.
- Groundwater was not encountered in the soil boring to 28 ft bgs; ; local geologic features indicate the depth to groundwater is greater than 100 ft bgs..
- 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: 75221 Location: W.D. HEATH B #3  
 Operator #: 0203 Operator Name: Amoco P/L District: BLUMESFIELD  
 Coordinates: Letter C Section 31 Township: 30 Range: 9  
 or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator ☒ Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: 2-21-95 Area: 10 Run: 83  
 Revised Date: 1-24-03

SITE ASSESSMENT

**NMOCD Zone:**

(from NMCOD Maps)

**Land Type:**

Inside ☐ (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** C **POINTS**

REMARKS

Remarks: REVISION BASED ON REASSESSMENT OF THE  
DEPTH TO GROUNDWATER.

**REVISED**  
**FIELD PIT SITE ASSESSMENT FORM**

<b>GENERAL</b>	<p>Meter: <u>75221</u> Location: <u>W. D. Heath B#3</u></p> <p>Operator #: _____ Operator Name: _____ P/L District: _____</p> <p>Coordinates: Letter: <u>0</u> Section <u>31</u> Township: <u>30</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>4/8/98</u> Area: _____ Run: _____</p>
<b>SITE ASSESSMENT</b>	<p><b>NMOCD Zone:</b> (From NMOCD Maps)</p> <p style="margin-left: 150px;">Inside</p> <p style="margin-left: 150px;">Outside</p> <p><b>Land Type:</b></p> <p style="margin-left: 100px;"><input type="checkbox"/> (1)</p> <p style="margin-left: 100px;"><input checked="" type="checkbox"/> (2)</p> <p style="margin-left: 100px;"><input type="checkbox"/> (3)</p> <p><b>BLM</b> <input checked="" type="checkbox"/> (1)</p> <p><b>State</b> <input type="checkbox"/> (2)</p> <p><b>Fee</b> <input type="checkbox"/> (3)</p> <p><b>Indian</b> _____</p> <p><b>Depth to Groundwater</b></p> <p>Less Than 50 Feet (20 points) <input type="checkbox"/> (1)</p> <p>50 Ft to 99 Ft (10 points) <input checked="" type="checkbox"/> (2)</p> <p>Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)</p> <p><b>Wellhead Protection Area</b></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?</p> <p style="text-align: center;"><input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)</p> <p><b>Horizontal Distance to Surface Water Body</b></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, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)</p> <p>Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) &lt; 100' (Navajo Pits Only)</p> <p style="margin-left: 350px;"><input type="checkbox"/> (2) &gt; 100'</p> <p><b>TOTAL HAZARD RANKING SCORE:</b> <u>10</u> <b>POINTS</b></p>
<b>REMARKS</b>	<p>Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is &lt; 100' vertical from center of Vaca Canyon</u></p>

# FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 75221 Location: WD, NEATH B #3  
 Operator #: 0203 Operator Name: AMOCO P/L District: BLOOMFIELD  
 Coordinates: Letter: 0 Section 31 Township: 30 Range: 9  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator ☒ Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: 2.21.95 Area: 10 Run: 83

SITE ASSESSMENT

NMOCD Zone:  
 (From NMOCD  
 Maps)

Inside  
 Outside

Land Type:

BLM ☒ (1)  
 State ☐ (2)  
 Fee ☐ (3)  
 Indian \_\_\_\_\_

<sup>RT 2.21.95</sup>  
☒ (1)  
☒ (2)

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 \_\_\_\_\_

(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: 10 POINTS

REMARKS

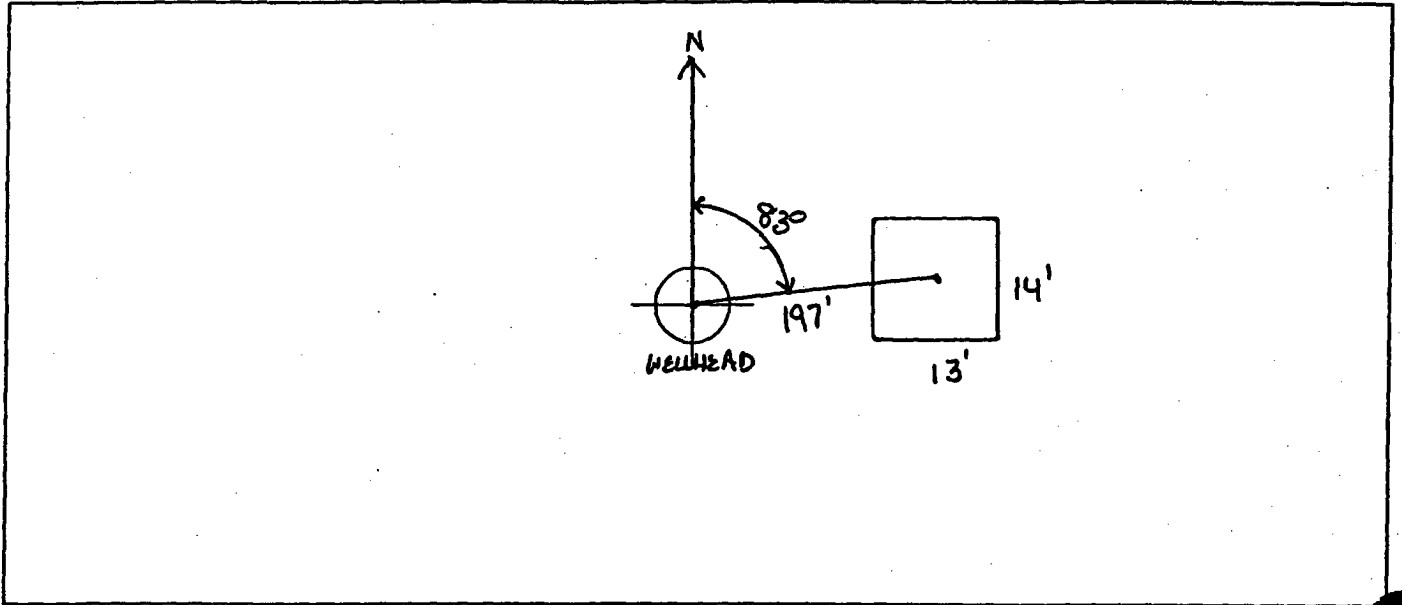
Remarks : REDLINE SHOWS LOCATION INSIDE BUT TOPO SHOWS LOCATION OUTSIDE V.Z. THREE PITS ON LOCATION. UNUSED DEHY PIT BELONGS TO EPNG. WILL CLOSE PIT.

PUSH IN  
 (SP3190) 04/08/94

ORIGINAL PIT LOCATION

## ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 83° Footage from Wellhead 197'  
b) Length : 14' Width : 13' Depth : 1'



REMARKS

Remarks :

PHOTOS - 1219

Completed By:

Signature

2.21.95

Date