

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

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

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

30-045-11661

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

Address: _____

Facility Or: Heath Gas Com K 1, Meter 75319

Well Name _____

Location: Unit or Qtr/Qtr Sec G Sec 32 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 13', width 12', depth 2'

(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 200'

Direction from reference: 227 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: 01/31/95 Date completed: 01/31/95

Remediation Method: Excavation X Approx. cubic yards 40
(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: Arrived, took fence down. Removed 4 truck loads soil. Soil was gray
With strong odor first 8'. Next 4' were grayish brown 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 01/31/95 Sample time 12:20

Sample Results

Benzene(ppm) <1.00

Total BTEX(ppm) 81.0

Field headspace(ppm) 690

TPH 824

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

Heath Gas Com K 1
Meter/Line ID 75319

SITE DETAILS

| | | | |
|------------------------------------|---------|---------------------------|---------|
| Legals - Twn: 30N | Rng: 9W | Sec: 32 | Unit: G |
| NMOCD Hazard Ranking: 0 | | Land Type: BLM | |
| Operator: Amoco Production Company | | Pit Closure Date: 1/31/95 | |

RATIONALE RISK-BASED FOR 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 690 ppm; laboratory analysis indicated a benzene concentration of <1.00 mg/kg, a total BTEX concentration of 81 mg/kg, and a TPH concentration of 824 mg/kg. The total BTEX measurements exceeded recommended remediation levels for the Hazard Ranking Score of 0.

Approximately 40 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 with refusal at 39 ft bgs. No groundwater was encountered in the soil boring. One laboratory sample was collected at 37-39 ft bgs. Headspace analysis indicated an organic vapor content of 588 ppm; laboratory analysis indicated a benzene concentration of <0.12 mg/kg, a total BTEX concentration of 7.09 mg/kg, and a TPH concentration of 2,540 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 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.
- Bedrock refusal was encountered in the Phase II boring at 39 feet bgs.
- Groundwater was not encountered in the soil boring to 39 ft bgs; local geologic features indicate the depth to groundwater is greater than 100 ft bgs..



PIT CLOSURE REQUEST

- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Benzene, TPH, and BTEX measurements from the soil sample at the base of the Phase II soil boring were below recommended remediation levels for the Hazard Ranking Score.
- 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 Form

Field Pit Remediation/Closure Form

Phase II Soil Boring Log

Laboratory Analytical Results

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 75319 Location: HEATH GAS COM K1
Operator #: 0203 Operator Name: AMOCO P/L District: DLOOMFIELD
Coordinates: Letter G Section 32 Township: 30 Range: 9
or Latitude _____ Longitude _____
Pit Type: Dehydrator ☒ Location Drip: _____ Line Drip: _____ Other: _____
Site Assessment Date: 1-16-95 Area: 10 Run: 82
Revised Date: 1-24-03

SITE ASSESSMENT

NMOCD Zone:

(from NMCOD Maps)

Land Type:

BLM ☒ (1)

State ☐ (2)

Fee ☐ (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 MANSFIELD CANYON (OFF SAN JUAN R.)

(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 0 **POINTS**

REMARKS

Remarks: REVISION BASED ON REASSESSMENT OF THE DEPTH TO
GROUND WATER AND THE HORIZONTAL DISTANCE TO
SURFACE WATER BODY.

FIELD PIT SITE ASSESSMENT FORM

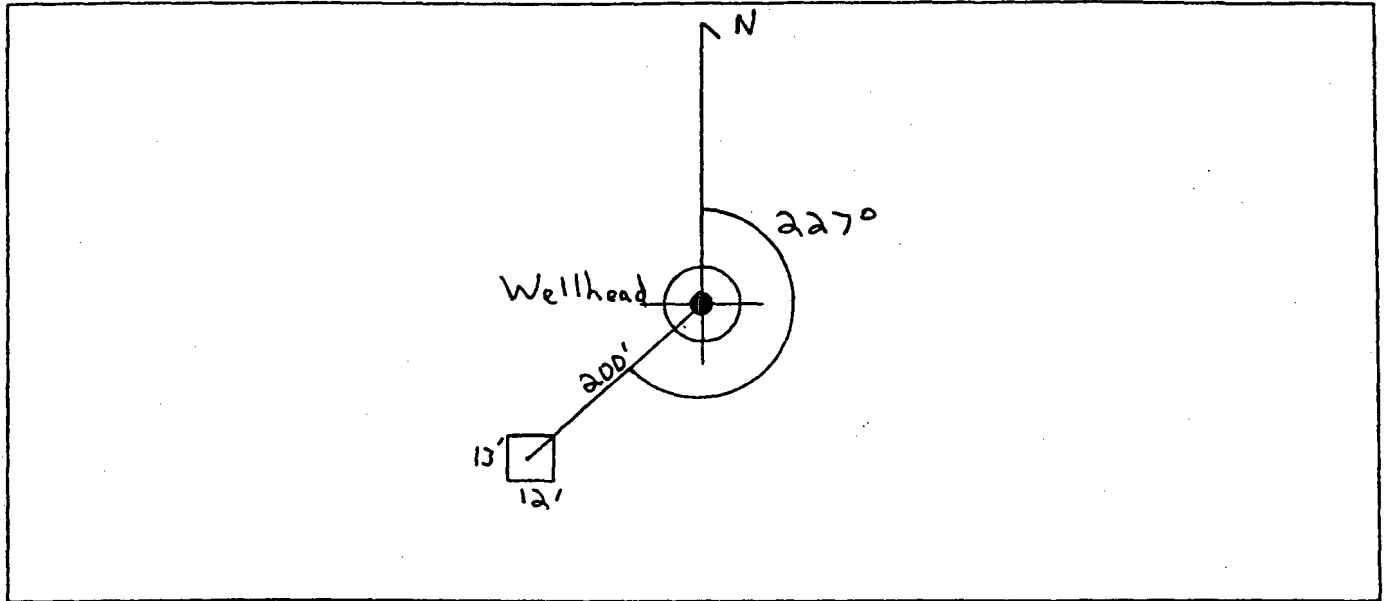
| | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GENERAL | <p>Meter: <u>75319</u> Location: <u>Heath Gas CDM K 1</u></p> <p>Operator #: <u>0203</u> Operator Name: <u>Ameco</u> P/L District: <u>Bloomfield</u></p> <p>Coordinates: Letter: <u>G</u> Section <u>32</u> Township: <u>3D</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>1/16/95</u> Area: <u>10</u> Run: <u>83</u></p> |
| SITE ASSESSMENT | <p>NMOCD Zone: (From NMOCD Maps) Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)</p> <p>Land Type: BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____</p> <p>Depth to Groundwater Less Than 50 Feet (20 points) <input checked="" type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)</p> <p>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? <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)</p> <p>Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) <input checked="" type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Name of Surface Water Body <u>Mansfield Canyon (off San Juan R.)</u> (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) <input type="checkbox"/> (2) > 100'</p> <p>TOTAL HAZARD RANKING SCORE: <u>40</u> POINTS</p> |
| REMARKS | <p>Remarks : <u>Redline Book: Inside</u> <u>Vulnerable Zone Type: Inside</u> <u>3 pits - Close</u></p> |

DIG + HAVI

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 227° Footage from Wellhead 200'
b) Length : 13' Width : 12' Depth : 2'



REMARKS

Remarks :

Pictures @ 1229 hr 14-17 roll 2

Completed By:

Cory Chase
Signature

1/16/95
Date