

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

Scarlstone
at 32.5'
Risk
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

30-045-20296

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

Telephone: _____

Address: _____

Facility Or: Lobato Gas Com F#1, Meter 75869

Well Name _____

Location: Unit or Qtr/Qtr Sec B Sec 35 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 15', width 12', depth 1'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 102'

Direction from reference: 318 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>10</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): 10

Date Remediation Started: 05/11/94 Date completed: 05/11/94

Remediation Method: Excavation X Approx. cubic yards 35
(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: Line markers on location. Pit looked dry. Started remediating 12'. Soil is black on floor of pit and all four walls.

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 05/11/94 Sample time 16:45

Sample Results

Benzene(ppm) <1.2

Total BTEX(ppm) 510

Field headspace(ppm) 250

TPH 10200

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



Printed Name
and Title

Scott Pope, Senior Environmental Scientist



PIT CLOSURE REQUEST

Lobato Gas Com F #1
Meter/Line ID 75869

SITE DETAILS

Legals - Twn: 30N

Rng: 9W

Sec: 35

Unit: B

NMOCD Hazard Ranking: 10

Land Type: BLM

Operator: Amoco Production Company

Pit Closure Date: 5/11/94

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 250 ppm; laboratory analysis indicated a benzene concentration of <1.2 mg/kg, a total BTEX concentration of 510 mg/kg, and a TPH concentration of 10,200 mg/kg. The TPH and total BTEX measurements exceeded recommended remediation levels for the Hazard Ranking Score of 10.

Approximately 35 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 auger refusal at 32.5 ft bgs. No groundwater was encountered in the soil boring. The laboratory sample was collected at 28-30 ft bgs. Headspace analysis indicated an organic vapor content of 480 ppm; laboratory analysis indicated a benzene concentration of <1.19 mg/kg, a total BTEX concentration of 77.5 mg/kg, and a TPH concentration of 1,050 mg/kg. The benzene concentration was 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.
- 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 at 32.5 ft bgs; local geologic features indicate the depth to groundwater is greater than 50 ft bgs.

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 75869 Location: LOBATO GAS COM F #1
 Operator #: 0203 Operator Name: Amoco P/L District: BLOOMFIELD
 Coordinates: Letter: B Section 35 Township: 30 Range: 9
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Assessment Date: 4.18.94 Area: 10 Run: 43

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 _____
 (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'

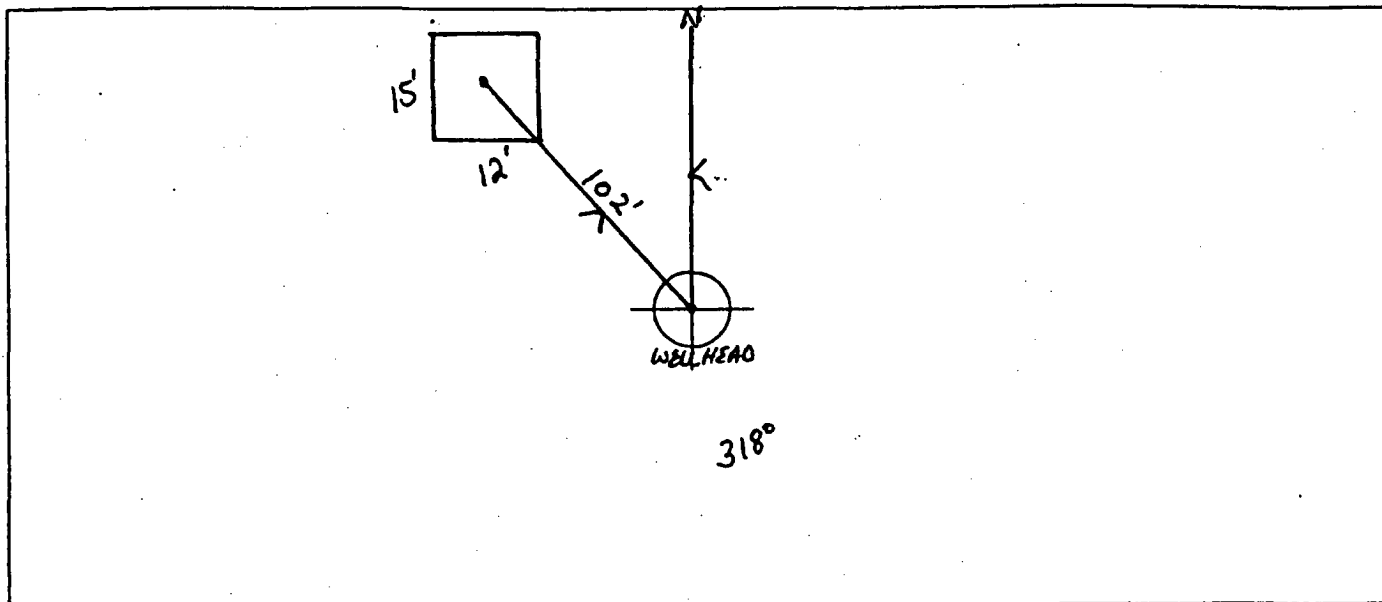
TOTAL HAZARD RANKING SCORE: 10 POINTS

REMARKS

Remarks : ONLY PIT ON THIS LOCATION. PIT IS DEY.

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 318° Footage from Wellhead 102'b) Length : 15' Width : 12' Depth : 1'

REMARKS

Remarks :

STARTED TAKING PICTURES AT 2:39 P.M.END DUMP

Completed By:

Robert Thompson

Signature

4.18.94

Date

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL

4000 Morrow Road

Farmington, New Mexico 87401

(505) 326-2282 FAX (505) 326-2388

Borehole # BH-1

Well #

Page 1 of 2

Project Name

EPNG Pits

Project Number

11957

Phase

4002

Project Location

Lobato F1

75869

Elevation

Borehole Location

GWL Depth

Logged By

CM Chance

Drilled By

M. Donahue

Date/Time Started

5/16/95 - 1400

Date/Time Completed

5/16/95 - 1527

Well Logged By

CM Chance

Personnel On-Site

M. Donahue, K. Padilla

Contractors On-Site

Client Personnel On-Site

Drilling Method

4 1/4 ID HSA

Air Monitoring Method

PID CG1

| Depth (Feet) | Sample Number | Sample Interval | Sample Type & Recovery (Inches) | Sample Description Classification System: USCS | USCS Symbol | Depth Lithology Change (feet) | Air Monitoring Units: mg/m³ <u>ppm</u> BZ BH AS | | | Drilling Conditions & Blow Counts |
|-----------------|------------------|--------------------|--|---|----------------|--|--|-----|-------------|---|
| 0 | | | | Backfill to 12' | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 15 | 1 | 15-17 | 8" | Br silty sand, F-vf sand, loose, dry | | | 2 | 69 | 144 | 1424 - 16' cobbles |
| 20 | 2 | 20-22 | | | | | | | | Cuttings with prod. obs. D. 20' - 22' |
| 25 | 2 | 25-27 | 4" | Bl silty sand, F-med sand, Abund gravel loose, dry | | | 6 | 120 | 350 1160 | Cuttings Black & white cobbles HA-101, |
| 30 | 3 | 30-32 | 2" | Br silty sand, vf-F sand, loose, sl moist, | | | 13 | 130 | 168 367 | - 20' out of cobbles |
| 35 | 4 | 32.5-32.6 | 1" | Tan weathered SS, F-med sand, | | | 4 | 100 | 64 124 | - Refusa @ 32.5' - 1537 |
| 40 | | | | TOB 32.5' | | | | | | |

Comments:

PODH & gross hole to 32.5'

Geologist Signature