

Outside
BTEX TPH

EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

Storey D 2
Meter/Line ID - 93193

SITE DETAILS

Legals - Twn: 28N
NMOCD Hazard Ranking: 0
Operator: Amoco

Rng: 8

Sec: 27 Unit: A
Land Type: BLM
Pit Closure Date: 8/19/94

RECEIVED
NOV - 2 1999
OIL CON. DIV.
DIST. 3

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.

Sandstone was encountered in the test pit at a depth of five feet. The boring was terminated and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit. The test pit was then backfilled and the pit area graded in a manner to divert precipitation away from the pit area. Headspace analysis indicated an organic vapor content of 263 ppm; laboratory analysis indicated a TPH concentration of 6,880 mg/kg.

El Paso Field Services Company (EPFS) requests closure of the production pit location noted above for the following reasons:

- The primary source, discharge to the pit, has been removed for over four years.
- Bedrock was encountered in the test excavation at five feet making remediation impractical.
- The test pit was backfilled with clean soil and the former pit area graded to direct surface runoff away from the former pit.
- Source material has been removed from the ground surface, eliminating potential direct contact with livestock and the public.
- Groundwater was not encountered in the test excavation. In addition, the estimated depth to groundwater is greater than 100 feet; therefore, impact to groundwater is unlikely.
- The site is greater than 100 vertical feet from groundwater and there are no water supply wells or potential surface water receptors within 1,000 feet of the site.
- Residual hydrocarbons in the soil will degrade by natural attenuation with minimal risk to the environment.

ATTACHMENT

Revised Field Pit Assessment Form
Field Pit Remediation/Closure Form

Field Pit Assessment Form
Laboratory Analytical Results

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 93193 Location: Storey D 2
 Operator #: _____ Operator Name: _____ P/L District: _____
 Coordinates: Letter: A Section 27 Township: 28 Range: 8
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____
 Site Assessment Date: 4/9/98 Area: _____ Run: _____

SITE ASSESSMENT

NMOCD Zone:

(From NMOCD
Maps)

Inside

Outside

Land Type:

☐ (1)

☒ (2)

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, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

Distance to Nearest Ephemeral Stream

☐ (1) < 100' (Navajo Pits Only)

☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 0 POINTS

REMARKS

Remarks : Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is > 100' vertical from center of Carrizo Canyon

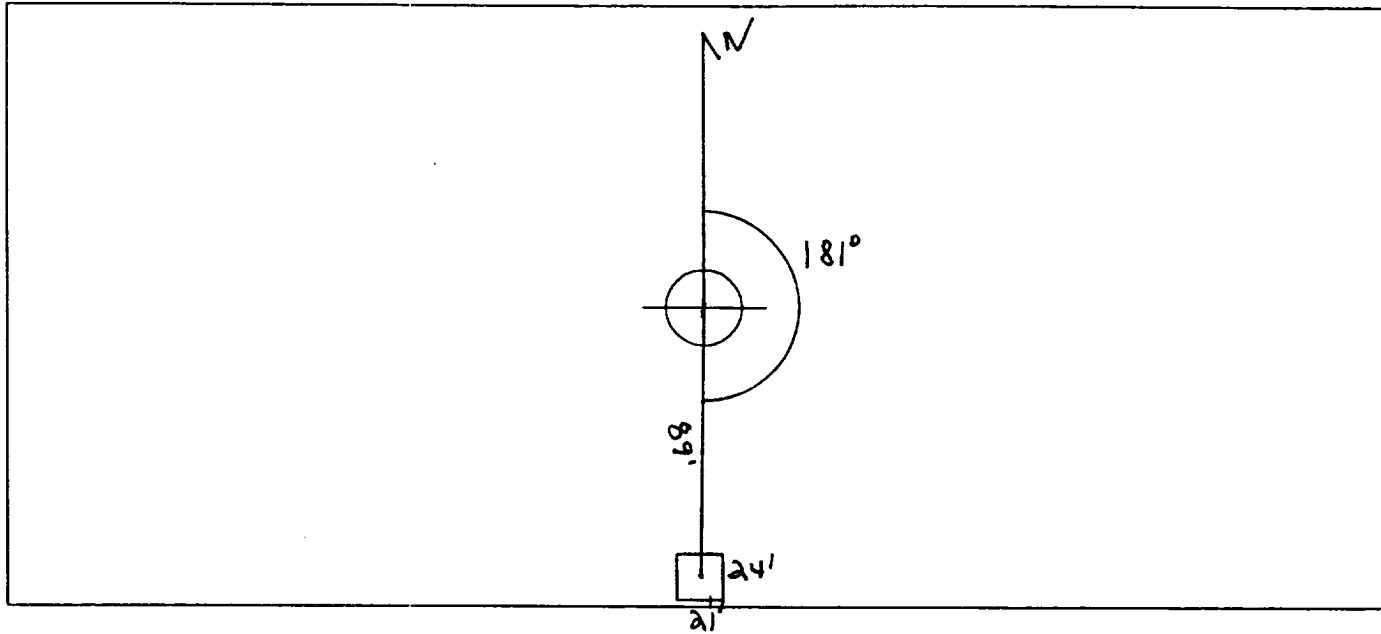
FIELD PIT SITE ASSESSMENT FORM

| | |
|-----------------|---|
| GENERAL | <p>Meter: <u>4343</u> Location: <u>STOREY D2</u></p> <p>Operator #: <u>0203</u> Operator Name: <u>Ameco</u> P/L District: <u>Blanco</u></p> <p>Coordinates: Letter: <u>A</u> Section <u>27</u> Township: <u>28</u> Range: <u>8</u></p> <p>Or Latitude <u> </u> Longitude <u> </u></p> <p>Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: <u> </u> Line Drip: <u> </u> Other: <u> </u></p> <p>Site Assessment Date: <u>5/27/94</u> Area: <u>13</u> Run: <u>61</u></p> |
| SITE ASSESSMENT | <p>NMOCD Zone: (From NMOCD Maps)</p> <p>Inside <input type="checkbox"/> (1) Outside <input checked="" type="checkbox"/> (2)</p> <p>Land Type: BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian <u> </u></p> <p>Depth to Groundwater Less Than 50 Feet (20 points) <input type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input checked="" 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 type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input checked="" type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Name of Surface Water Body <u>Carriazo Canyon</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>10</u> POINTS</p> |
| REMARKS | <p>Remarks : <u>Redline - Inside, Vuln - Outside</u> <u>2 pits. Will close. Pit Dry</u></p> <p><u>PUSH-IN</u></p> |

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 181° Footage from Wellhead 89'
b) Length : 24' Width : 21' Depth : 4'



REMARKS

Remarks :

Pictures @ 1317 (22-25)
Dump Truck

Completed By:

Cory Chase
Signature

5/27/94
Date

FIELD PIT REMEDIATION/CLOSURE FORM

| | |
|---------------------------|--|
| GENERAL | <p>Meter: <u>93193</u> Location: <u>Storey D#2</u></p> <p>Coordinates: Letter: <u>A</u> Section <u>27</u> Township: <u>28</u> Range: <u>8</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>8-19-94</u> Run: <u>13</u> <u>61</u></p> |
| FIELD OBSERVATIONS | <p>Sample Number(s): <u>MK 280</u></p> <p>Sample Depth: <u>5'</u> Feet</p> <p>Final PID Reading <u>263</u> PID Reading Depth <u>5'</u> Feet</p> <p style="text-align: center;">Yes No</p> <p>Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet</p> |
| CLOSURE | <p>Remediation Method :</p> <p>Excavation <input type="checkbox"/> Approx. Cubic Yards _____</p> <p>Onsite Bioremediation <input type="checkbox"/></p> <p>Backfill Pit Without Excavation <input checked="" type="checkbox"/></p> <p>Soil Disposition:</p> <p>Envirotech <input type="checkbox"/> <input type="checkbox"/> Tierra</p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>8-19-94</u> Pit Closed By: <u>BEI</u></p> |
| REMARKS | <p>Remarks : <u>EPNGLIUS marked soil Brown Strong Hydrocarbon</u></p> <p><u>odor Hit sandstone 5'</u></p> |
| | <p>Signature of Specialist: <u>Morgan Killian</u></p> |

CHAIN OF CUSTODY RECORD

[illegible]



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

| | Field ID | Lab ID |
|----------------------------|----------|-----------------|
| SAMPLE NUMBER: | ML 280 | 945985 |
| MTR CODE SITE NAME: | 93193 | N/A |
| SAMPLE DATE TIME (Hrs): | 8-19-94 | 1315 |
| SAMPLED BY: | N/A | |
| DATE OF TPH EXT. ANAL.: | 8/19/94 | 8-24-94 |
| DATE OF BTEX EXT. ANAL.: | N/A | N/A |
| TYPE DESCRIPTION: | VG | Tan sand & clay |

REMARKS:

RESULTS

| PARAMETER | RESULT | UNITS | QUALIFIERS | | | |
|----------------|--------|-------|------------|---|------|-------|
| | | | DF | Q | M(g) | V(ml) |
| TPH (418.1) | 6880 | MG/KG | | | 0.99 | 28 |
| HEADSPACE PID | 263 | PPM | | | | |
| PERCENT SOLIDS | 93.7 | % | | | | |

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

9/2/94