

# EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

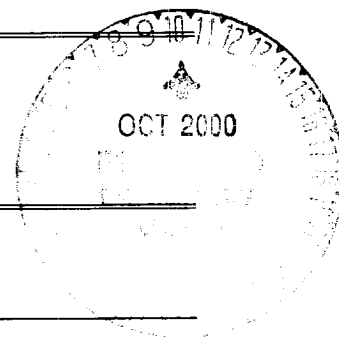
Rock  
Bedrock

Nordhaus WN Fed #5  
Meter/Line ID – 74495

---

## SITE DETAILS

Legals - Twn: 25N	Rng: 7W	Sec: 19	Unit: H
NMOCD Hazard Ranking: 20		Land Type: BLM	
Operator: Devon Energy		Pit Closure Date: 09/21/94	



---

## **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 six feet and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit and bedrock was encountered at six feet below ground surface. The pit was backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 205 ppm; laboratory analysis indicated a TPH concentration of 219 mg/kg. The site was re-assessed on February 26, 1998, due to the original assessment which incorrectly included washes as a surface water body.

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

- The primary source, discharge to the pit, has been removed for almost six years.
- Bedrock was encountered in the test excavation at six feet below ground surface making further remediation impractical; therefore, impact to groundwater is unlikely.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.

## ATTACHMENT

Field Pit Assessment Form

Field Pit Remediation/Closure Form

Laboratory Analytical Results

**REVISED**  
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 74495 Location: Nordhaus W.N. Federal #5  
 Operator #: \_\_\_\_\_ Operator Name: \_\_\_\_\_ P/L District: \_\_\_\_\_  
 Coordinates: Letter: H Section 19 Township: 25 Range: 7  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator \_\_\_\_\_ Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: 2/26/98 Area: \_\_\_\_\_ Run: \_\_\_\_\_

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, 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 : Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is < 50 vertical Feet From center of Palluche Canyon.

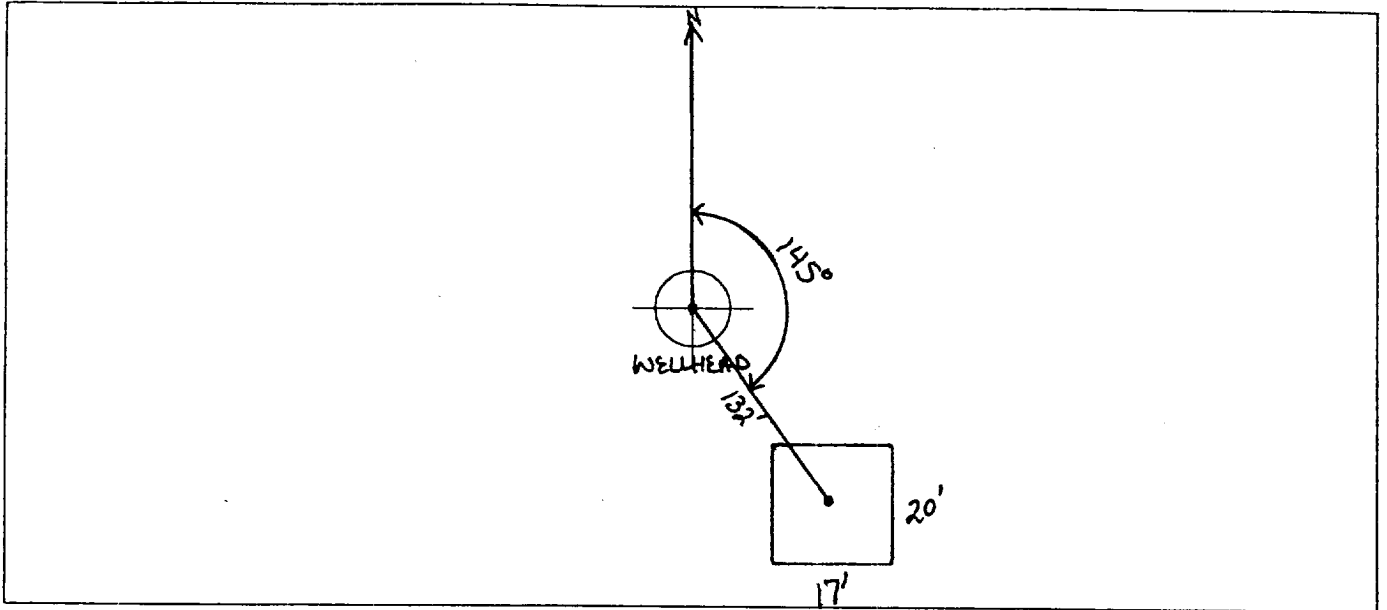
## FIELD PIT SITE ASSESSMENT FORM

<b>GENERAL</b>	<p>Meter: <u>74495</u> Location: <u>NORDHAUS WN FEDERAL #5</u></p> <p>Operator #: <u>1790</u> Operator Name: <u>DEVON ENERGY P/L</u> District: <u>BALLARD</u></p> <p>Coordinates: Letter: <u>H</u> Section <u>19</u> Township: <u>25</u> Range: <u>7</u></p> <p style="padding-left: 40px;">Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>6.23.94</u> Area: <u>07</u> Run: <u>41</u></p>
<b>SITE ASSESSMENT</b>	<p><b>NMOCD Zone:</b> (From NMOCD Maps)</p> <p style="padding-left: 100px;">Inside <input type="checkbox"/> (1) Outside <input checked="" type="checkbox"/> (2)</p> <p style="padding-left: 100px;"><b>Land Type:</b> BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____</p> <p><b>Depth to Groundwater</b></p> <p>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><b>Wellhead Protection Area :</b> 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><b>Horizontal Distance to Surface Water Body</b></p> <p>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>PALLUCHE 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) &lt; 100' (Navajo Pits Only) <input type="checkbox"/> (2) &gt; 100'</p> <p><b>TOTAL HAZARD RANKING SCORE: <u>40</u> POINTS</b></p>
<b>REMARK-</b>	<p>Remarks : <u>ONLY PIT ON LOCATION. PIT IS DRY. LOCATION IS ON A SMALL HILL IN PALLUCHE CANYON. REDLINE SHOWS LOCATION IS INSIDE V.Z. BUT TOPO SHOWS LOCATION IS OUTSIDE V.Z.</u></p>

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 145° Footage from Wellhead 132'  
b) Length : 20' Width : 17' Depth : 3'

ORIGINAL PIT LOCATION



REMARKS

Remarks :

TOOK PICTURES AT 3:07 P.M.

END DUMP

Completed By:

Robert Champion

Signature

6-23-94

Date

# FIELD PIT REMEDIATION/CLOSURE FORM

<b>GENERAL</b>	Meter: <u>74495</u> Location: <u>Northwest W/4 Fed #5</u> Coordinates: Letter: <u>4</u> Section <u>19</u> Township: <u>25</u> Range: <u>7</u> Or Latitude _____ Longitude _____ Date Started : <u>9-21-94</u> Run: <u>02</u> <u>41</u>
<b>FIELD OBSERVATIONS</b>	Sample Number(s): <u>VW319</u> Sample Depth: <u>6'</u> Feet Final PID Reading <u>205</u> PID Reading Depth <u>6'</u> Feet Groundwater Encountered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Approximate Depth _____ Feet
<b>CLOSURE</b>	Remediation Method : Excavation <input type="checkbox"/> Approx. Cubic Yards _____ Onsite Bioremediation <input type="checkbox"/> Backfill Pit Without Excavation <input checked="" type="checkbox"/> Soil Disposition: Envirotech <input type="checkbox"/> Tierra <input type="checkbox"/> Other Facility <input type="checkbox"/> Name: _____ Pit Closure Date: <u>9-21-94</u> Pit Closed By: <u>BEI</u>
<b>REMARKS</b>	Remarks : <u>6' hit rock</u> <span style="float: right;"><u>10 yds fill</u></span> _____ _____
	Signature of Specialist: <u>Vale Wilson</u>



**FIELD SERVICES LABORATORY  
ANALYTICAL REPORT**

**PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone**

**SAMPLE IDENTIFICATION**

	Field ID	Lab ID
SAMPLE NUMBER:	VW 319	946188
MTR CODE   SITE NAME:	74495	N/A
SAMPLE DATE   TIME (Hrs):	9-21-94	1315
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	9-22-94	9-22-94
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	VG	Dark brown sand & clay

REMARKS: \_\_\_\_\_

**RESULTS**

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	220 <sup>9/23/94</sup> 219	MG/KG			2.02	28
HEADSPACE PID	205	PPM				
PERCENT SOLIDS	87.6	%				

-- TPH is by EPA Method 418.1 --

Narrative: \_\_\_\_\_

DF = Dilution Factor Used

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

*J.S.*

*9/30/94*

