

**EL PASO FIELD SERVICES  
PRODUCTION PIT CLOSURE**

Outside

Risk

BTX

TPH

**C. A. McAdams B No. 2E  
Meter/Line ID – 95551**

**SITE DETAILS**

Legals - Twn: 27N  
NMOCD Hazard Ranking: 0  
Operator: Amoco

Rng: 10W

Sec: 28 Unit: B  
Land Type: BLM  
Pit Closure Date: 10/20/94

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

**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 and a soil sample was collected for 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 688 ppm; laboratory analysis (EPA Method 418.1) indicated a TPH concentration of 14,600 mg/kg.

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 over four years.
- The test pit was backfilled with clean soil and the 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.
- There are no potential receptors located within 1,000 feet of the site.
- Residual hydrocarbons in the soil at the bottom of the excavation 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



# GENERAL

# SITE ASSESSMENT

~~SECRET~~ (1)

$$\frac{d}{dt} \left( \frac{1}{2} \dot{\theta}^2 \right) = \frac{1}{2} \dot{\theta}^2 \quad (2)$$
$$\left[ \begin{array}{c} \vdots \\ \vdots \\ \vdots \end{array} \right] \quad (1)$$
$$(3)$$

☒ (2)

(1)

(2)

Y (3)

 $\Delta$  (5)

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)

X (2) NO (0 points)

Less Than 200 Ft (20 points)

200 Ft to 1000 Ft (10 points)

Greater Than 1000 Ft (0 points)

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 East Fork Kutz Canyon



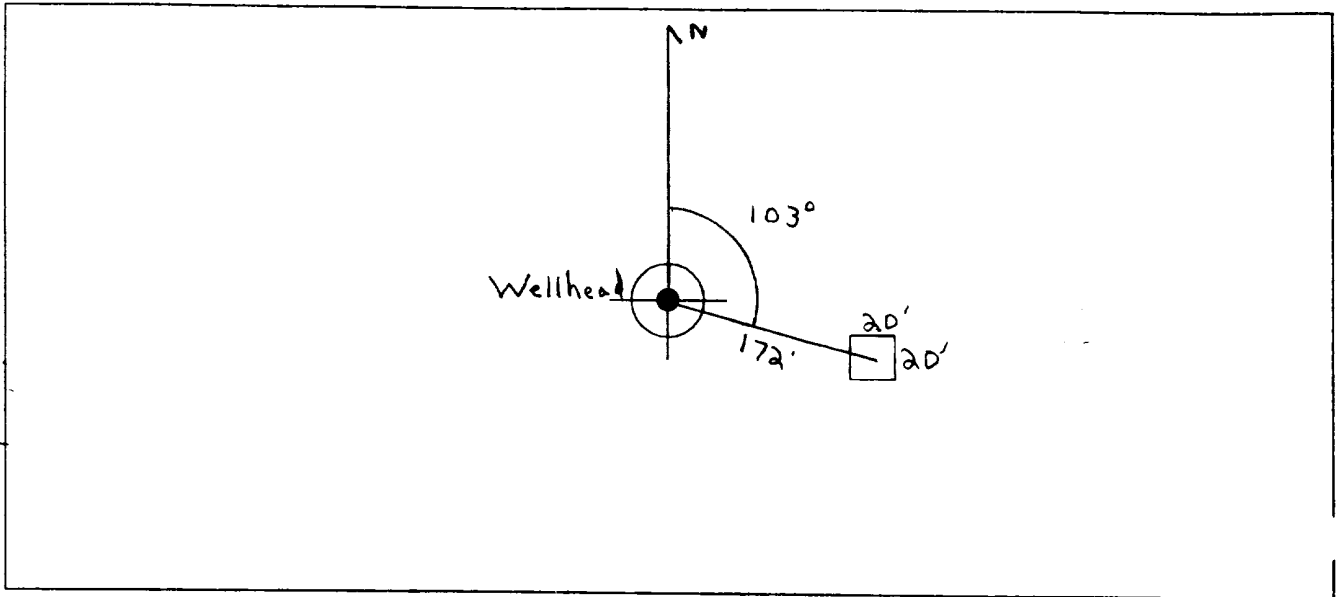
# FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>95551</u> Location: <u>C.A. McADAMS B No. 2E</u></p> <p>Operator #: <u>0203</u> Operator Name: <u>Amoco</u> P/L District: <u>Angel Peak</u></p> <p>Coordinates: Letter: <u>AB</u> Section <u>28</u> Township: <u>27</u> Range: <u>10</u></p> <p>Or Latitude <u>31° 22' 44"</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>8/22/94</u> Area: <u>01</u> Run: <u>53</u></p>
SITE ASSESSMENT	<p><b>NMOCD Zone:</b> (From NMOCD Maps)</p> <p>Inside <input type="checkbox"/> (1)</p> <p>Outside <input checked="" type="checkbox"/> (2)</p> <p><b>Land Type:</b> BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian <u>                    </u></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 type="checkbox"/> (2)</p> <p>Greater Than 100 Ft (0 points) <input checked="" 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? <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 checked="" type="checkbox"/> (2)</p> <p>Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Name of Surface Water Body <u>East Fork Kutz Canyon</u></p> <p>(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:</b> <u>10</u> POINTS</p>
REMARKS	<p>Remarks : <u>Redline Book - Outside</u> <u>Vulnerable Zone Tap - Outside</u></p> <p><u>3 pits. Will close 1. Pit dry</u></p> <p><u>Location sign shows site in Unit A. Redline book + Tap show B</u></p> <p><u>PUSH-IN</u></p>

### ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 103° Footage from Wellhead 172'  
b) Length : 20' Width : 20' Depth : 6'

ORIGINAL PIT LOCATION



### REMARKS :

Pictures @ 1242

REMARKS

Completed By:

Cory Chase  
Signature

8/22/94  
Date

# FIELD PIT REMEDIATION/CLOSURE FORM

<b>GENERAL</b>	<p>Meter: <u>95551</u> Location: <u>C.A. McAdams B #2E</u></p> <p>Coordinates: Letter: <u>B</u> Section <u>28</u> Township: <u>27</u> Range: <u>10</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>10/20/94</u> Run: <u>01</u> <u>53</u></p>
<b>FIELD OBSERVATIONS</b>	<p>Sample Number(s): <u>KD342</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>688</u> PID Reading Depth _____ Feet</p> <p style="text-align: center;">Yes      No</p> <p>Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet</p>
<b>CLOSURE</b>	<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"/> Tierra <input type="checkbox"/></p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>10/20/94</u> Pit Closed By: <u>BEI</u></p>
<b>REMARKS</b>	<p>Remarks : <u>Dug test hole to 12', Took PID sample, closed pit</u></p> <p>_____</p> <p>_____</p>
	<p>Signature of Specialist: <u>King Deemer</u></p>



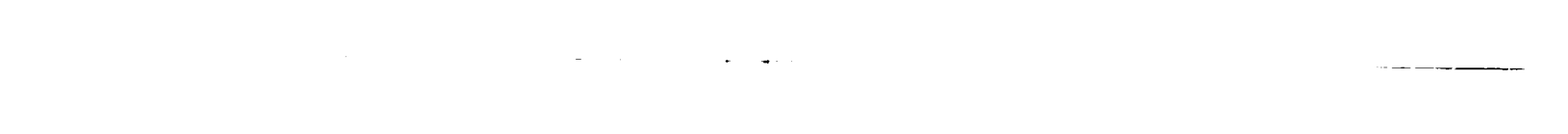




CHAIN OF CUSTODY RECORD

Page \_\_\_\_\_ of \_\_\_\_\_

PROJECT NAME # 24324 Pit Closure Project				CONTRACT LABORATORY P.O. NUMBER							
DATE: 10/20/04											
SAMPLERS: (Signature) <i>Mary Dem</i>											
LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBERS OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020	LAB PID	SEQUENCE #	REMARKS
946428	10/20/04	10:20	Soil	2D 341	1	VC	X			309	
946429	10/20/04	11:30	Soil	KD 342	1	VC	X			310	
946430	10/20/04	13:25	Soil	KD 343	1	VC	X			311	
946431	10/20/04	14:30	Soil	KD 344	1	VC	X			312	
[Large diagonal line across the table]											
RELINQUISHED BY: (Signature) <i>Mary Dem</i>				DATE/TIME 10/20/04 1600		RECEIVED BY: (Signature) <i>Brenda Kiese</i>		DATE/TIME 10/21/04 1035		RECEIVED BY: (Signature) <i>Kin Hyl</i>	
RELINQUISHED BY: (Signature)				DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)	
REQUESTED TURNAROUND TIME: <input type="checkbox"/> ROUTINE <input type="checkbox"/> RUSH				SAMPLE RECEIPT REMARKS				RESULTS & INVOICES TO:			
CARRIER CO.				CHARGE CODE				FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P.O. BOX 4990 FARMINGTON, NEW MEXICO 87499			
BILL NO.:				505-599-2144				FAX: 505-599-2261			





FIELD SERVICES LABORATORY  
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	WD 342	946429
MTR CODE   SITE NAME:	95551	N/A
SAMPLE DATE   TIME (Hrs):	10-20-94	1130
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	10-26-94	
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	VL	Dark brown sand + clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	14600	MG/KG			0.36	28
HEADSPACE PID	688	PPM				
PERCENT SOLIDS	89.5	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

11/3/94

