

**EL PASO FIELD SERVICES  
PRODUCTION PIT CLOSURE**

Outside

Risk - bedrock

BTEX

TPH

**Barret LS #1  
Meter/Line ID - 70199**

**RECEIVED**

NOV - 2 1999

**SITE DETAILS**

Legals - Twn: 31N

Rng: 9W

Sec: 19

Unit: K

NMOCD Hazard Ranking: 0

Land Type: BLM

Operator: Amoco

Pit Closure Date: 9/30/94

**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 excavation at five feet. Groundwater was not encountered in the test pit. The excavation was terminated and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. 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 181 ppm; laboratory analysis indicated a TPH concentration of 40,000 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 almost five years.
- Bedrock was encountered in the test excavation at five feet below ground surface 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.
- 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

# GENERAL

Meter: 70199 Location: Barrett LS #1  
Operator #: \_\_\_\_\_ Operator Name: \_\_\_\_\_ P/L District: \_\_\_\_\_  
Coordinates: Letter: K Section 19 Township: 31 Range: 9  
Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Pit Type: Dehydrator \_\_\_\_\_ Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
Site Assessment Date: 12/10/97 Area: \_\_\_\_\_ Run: \_\_\_\_\_

**NMOCD Zone:**  
(From NMOCD  
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 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	SCORING SCORE		POINTS
	1	2	
Remarks : Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is < 500' From Cabin Wash			

# FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 70-199 Location: Barrett LS 1  
 Operator #: 0203 Operator Name: Amoco Production P/L District: Aztec  
 Coordinates: Letter: K Section 19 Township: 31 Range: 9  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator \_\_\_\_\_ Location Drip: X Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: 8/29/94 Area: 04 Run: 83

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 Cabin Canyon

(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

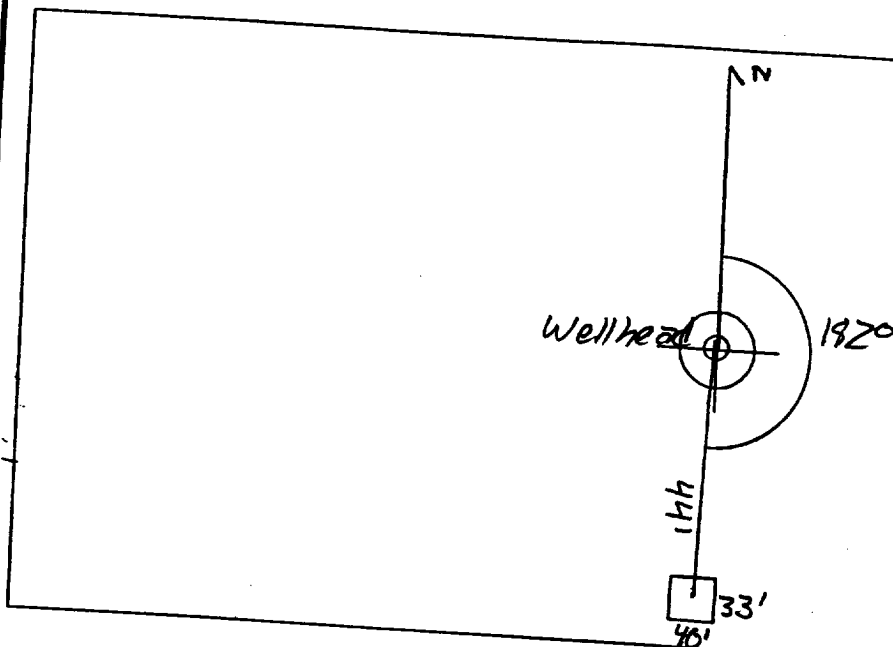
Remarks : Redline Book - Inside Vulnerable Zone Tap - Outside  
Four pits, location drip pit has liquid in it, will close  
one pit.

PUSH IN

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 182° Footage from Wellhead 4'  
 b) Length : 40' Width : 33' Depth : 4'



REMARKS

Remarks :

Pictures @ 1329 (13-16, Roll I)  
Dump Truck

Completed By:

*David Kelly*  
 Signature

8/29/94  
 Date

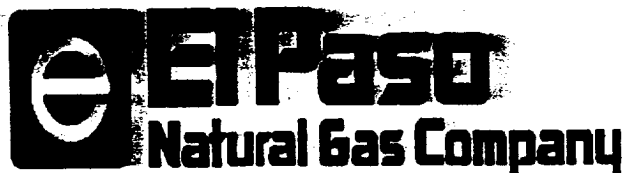
# FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>70199</u> Location: <u>Barrett LS1</u></p> <p>Coordinates: Letter: <u>K</u> Section <u>19</u> Township: <u>31</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>9-30-94</u> Run: <u>04</u> <u>83</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>KP 274</u></p> <p>Sample Depth: <u>5'</u> Feet</p> <p>Final PID Reading <u>181</u> PID Reading Depth <u>5'</u> Feet</p> <p>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"/> Tierra <input type="checkbox"/></p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>9-30-94</u> Pit Closed By: <u>B.E.I.</u></p>
REMARKS	<p>Remarks : <u>No LINE markers. Hit Rock At 5'</u></p> <p><u>Soil gray Looking with A smell</u></p>
	<p>Signature of Specialist: <u>Kelly Padilla</u></p>

# CHAIN OF CUSTODY RECORD

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

PROJECT NUMBER # 24324		PROJECT NAME Pit Closure Project		DATE 9-30-94		CONTRACT LABORATORY P. O. NUMBER					
SAMPLERS: (Signature) <i>Kelly Padilla</i>		DATE 9-30-94		FIELD ID		REMARKS					
LAB ID	DATE	TIME	MATRIX	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020	LAB PID	REQUESTED ANALYSIS	SEQUENCE #	REMARKS
946283	9-30-94	0900	soil	1	VG	X	X			247	soil still gray looking.
946284	9-30-94	1020	soil	1	VG	X	X			248	Hit Rock At 5' SANDSTONE
946285	9-30-94	1235	soil	1	VG	X	X			249	
<i>[Handwritten signature across the table]</i>											
<div style="display: flex; justify-content: space-between;"> <div> RELINQUISHED BY: (Signature) <i>Kelly Padilla</i> </div> <div> DATE/TIME 9-30-94 1430 </div> <div> RECEIVED BY: (Signature) <i>Wanda Tress</i> </div> <div> DATE/TIME 9-30-94 2400 </div> <div> RECEIVED BY: (Signature) </div> </div>											
<div style="display: flex; justify-content: space-between;"> <div> RELINQUISHED BY: (Signature) </div> <div> DATE/TIME </div> <div> RECEIVED BY: (Signature) </div> <div> DATE/TIME </div> <div> RECEIVED BY: (Signature) </div> </div>											
REQUESTED TURNAROUND TIME: <input type="checkbox"/> ROUTINE <input type="checkbox"/> RUSH				SAMPLE RECEIPT REMARKS				RESULTS & INVOICES TO:			
CARRIER CO.								<b>FIELD SERVICES LABORATORY</b> <b>EL PASO NATURAL GAS COMPANY</b> <b>P. O. BOX 4990</b> <b>FARMINGTON, NEW MEXICO 87499</b>			
BILL NO.:				CHARGE CODE				505-599-2144			



## FIELD SERVICES LABORATORY

### ANALYTICAL REPORT

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

#### SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 274	946284
MTR CODE   SITE NAME:	20199	N/A
SAMPLE DATE   TIME (Hrs):	9-30-94	1020
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	10-3-94	
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	VG	Grey Sand & (1/31)

REMARKS:

#### RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	40000	MG/KG			0.23	28
HEADSPACE PID	181	PPM				
PERCENT SOLIDS	90.3	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

10/6/94

\*\*\*\*\*  
\* Test Method for \*  
\* Oil and Grease and Petroleum Hydrocarbons \*  
\* in Water and Soil \*  
\* \*  
\* Perkin-Elmer Model 1600 FT-IR \*  
\* Analysis Report \*  
\*\*\*\*\*

\* 94/10/03 18:03  
\*  
\* Sample identification  
946284  
\*  
\* Initial mass of sample, g  
0.230  
\*  
\* Volume of sample after extraction, ml  
28.000  
\*  
\* Petroleum hydrocarbons, ppm  
39964.296  
\* Net absorbance of hydrocarbons (2930 cm<sup>-1</sup>)  
0.571  
\*  
\*  
\*

