

**EL PASO FIELD SERVICES  
PRODUCTION PIT CLOSURE**

Outside

RISK

BTEX

TPH

Pritchard #4 ~~PC~~  
Meter/Line ID - 71786

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

**SITE DETAILS**

Legals - Twn: 29N

Rng: 8W

Sec: 31

Unit: L

NMOCD Hazard Ranking: 0

Land Type: BLM

Operator: Amoco

Pit Closure Date: 7/19/94

**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 (NMCD) Unlined Surface Impoundment Closure Guidelines.

A test pit was excavated to 12 feet and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit. The pit was then backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 234 ppm; laboratory analysis indicated a TPH concentration of 9,270 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 five years.
- 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

## FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 71786 Location: Pritchard #4 PC	
	Operator #: _____ Operator Name: _____ P/L District: _____	
	Coordinates: Letter: L Section 31 Township: 29 Range: 8	
	Or Latitude _____ Longitude _____	
	Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____	
Site Assessment Date: 2/13/98 Area: _____ Run: _____		
SITE ASSESSMENT	<b>NMOCD Zone:</b> (From NMOCD Maps)	
	Inside _____ (1) Outside <input checked="" type="checkbox"/> (2)	<b>Land Type:</b> BLM <input checked="" type="checkbox"/> (1) State _____ (2) Fee _____ (3) Indian _____
	<b>Depth to Groundwater</b> Less Than 50 Feet (20 points) _____ (1) 50 Ft to 99 Ft (10 points) _____ (2) Greater Than 100 Ft (0 points) <input checked="" type="checkbox"/> (3)	
	<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? _____ (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)	
	<b>Horizontal Distance to Surface Water Body</b> Less Than 200 Ft (20 points) _____ (1) 200 Ft to 1000 Ft (10 points) _____ (2) Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (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	
	<b>REMARKS</b> Remarks : Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is >1000' From center of Largo Wash	

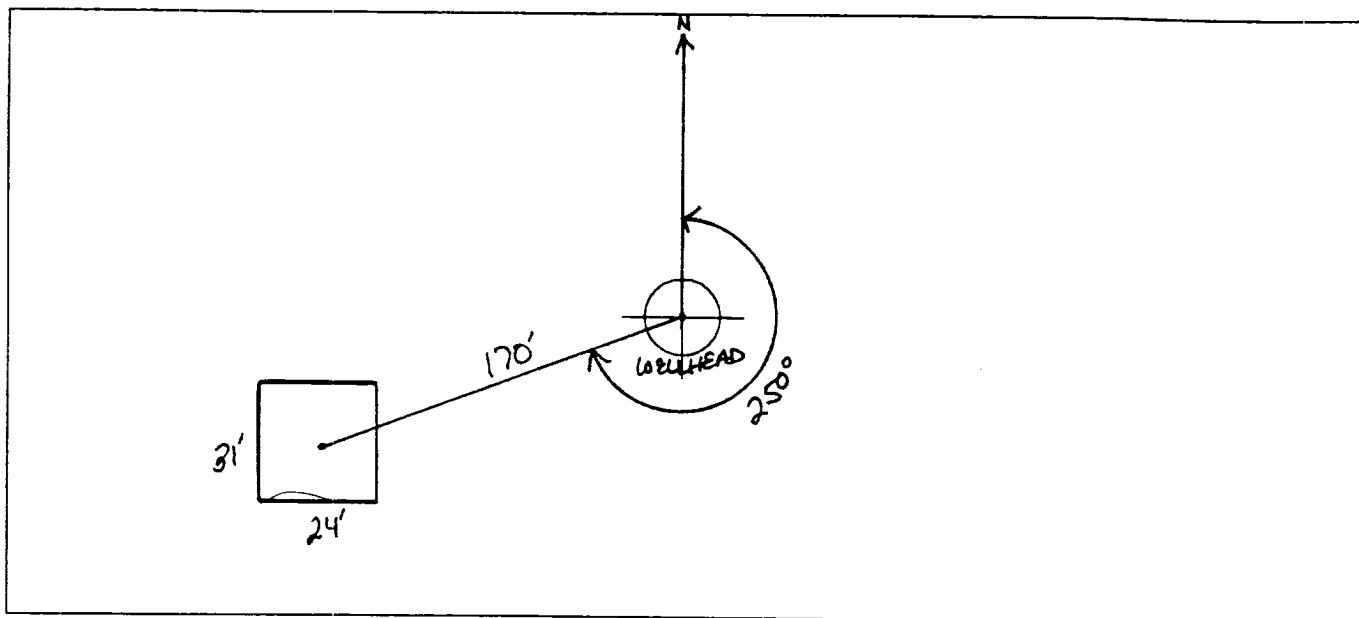
# FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>71786</u> Location: <u>PRITCHARD #4 PC</u></p> <p>Operator #: <u>0203</u> Operator Name: <u>Amoco</u> P/L District: <u>BLANCO</u></p> <p>Coordinates: Letter: <u>L</u> Section: <u>31</u> Township: <u>29</u> Range: <u>8</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>5-13-94</u> Area: <u>13</u> Run: <u>22</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></p> <p>BLM <input checked="" type="checkbox"/> (1)</p> <p>State <input type="checkbox"/> (2)</p> <p>Fee <input type="checkbox"/> (3)</p> <p>Indian _____</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 checked="" type="checkbox"/> (2)</p> <p>Greater Than 100 Ft (0 points) <input 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 type="checkbox"/> (2)</p> <p>Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>Name of Surface Water Body _____</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)</p> <p><input type="checkbox"/> (2) &gt; 100'</p> <p><b>TOTAL HAZARD RANKING SCORE:</b> <u>10</u> POINTS</p>
REMARKS	<p>Remarks : <u>ONLY PIT ON LOCATION. PIT IS DRY. LOCATION IS IN A SMALL CANYON COVE NORTH OF LARGO WASH. REDLINE SHOWS LOCATION INSIDE V.Z. BUT TOPO SHOWS LOCATION IS OUTSIDE V.Z.</u></p> <p style="text-align: right;"><u>PUSH-PAK</u></p>

### ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 250° Footage from Wellhead 170'  
b) Length : 31' Width : 24' Depth : 3'

ORIGINAL PIT LOCATION



### Remarks :

TOOK PICTURES AT 3:42 P.M.

END DUMP

REMARKS

Completed By:

Paul Thompson

Signature

5.13.94

Date

# FIELD PIT REMEDIATION/CLOSURE FORM

<b>GENERAL</b>	Meter: <u>71786</u> Location: <u>Pritchard #4 PC</u> Coordinates: Letter: <u>L</u> Section <u>31</u> Township: <u>29</u> Range: <u>8</u> Or Latitude _____ Longitude _____ Date Started : <u>7-19-94</u> Run: <u>13</u> <u>22</u>
<b>FIELD OBSERVATIONS</b>	Sample Number(s): <u>MK 154</u> Sample Depth: <u>12'</u> Feet Final PID Reading <u>234</u> PID Reading Depth <u>12'</u> Feet <div style="text-align: center;">Yes      No</div> Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet
<b>CLOSURE</b>	Remediation Method : <div style="display: flex; justify-content: space-between;"> <div>           Excavation            Onsite Bioremediation            Backfill Pit Without Excavation         </div> <div style="text-align: right;"> <input type="checkbox"/> Approx. Cubic Yards _____  <input type="checkbox"/>  <input checked="" type="checkbox"/> </div> </div> Soil Disposition: <div style="display: flex; justify-content: space-between;"> <div>           Envirotech <input type="checkbox"/>            Other Facility <input type="checkbox"/> </div> <div style="text-align: right;"> <input type="checkbox"/> Tierra            Name: _____         </div> </div> Pit Closure Date: <u>7-19-94</u> Pit Closed By: <u>BEI</u>
<b>REMARKS</b>	Remarks : <u>EPING LINES MARKED SOIL GRAY NO HYDROCARBON odor</u> _____ _____
	Signature of Specialist: <u>Morgan Killion</u>

CHAIN OF CUSTODY RECORD

PROJECT NUMBER		PROJECT NAME		CONTRACT LABORATORY P. O. NUMBER																																																																			
24324		Pit Closure Project # 24324																																																																					
SAMPLERS: (Signature)		DATE																																																																					
Morgan Killion		7-19-94																																																																					
LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	REMARKS																																																																		
5711	7-19-94	09:15	Soil	1	139 grey soil NO Hydrocarbon odor																																																																		
5712	7-19-94	11:00	Soil	1	140 Brown soil NO Hydrocarbon odor																																																																		
5713	7-19-94	12:10	Soil	1	141 Brown soil Strong Hydrocarbon odor																																																																		
5714	7-19-94	12:10	Soil	1																																																																			
5715	7-19-94	12:15	Soil	1																																																																			
5716	7-19-94	13:01	Soil	1	142 grey soil Strong Hydrocarbon odor																																																																		
5717	7-19-94	13:33	Soil	1	143 Brown soil slight Hydrocarbon odor																																																																		
5718	7-19-94	14:23	Soil	1	144 grey soil slight Hydrocarbon odor																																																																		
5719	7-19-94	15:35	Soil	1	145 Brown soil slight Hydrocarbon odor																																																																		
<table border="1"> <thead> <tr> <th colspan="2">REQUESTED ANALYSIS</th> <th colspan="2">SAMPLE TYPE</th> <th colspan="2">TOTAL NUMBER OF CONTAINERS</th> </tr> <tr> <th>EPA 418.1</th> <th>BTEX EPA 8020</th> <th>TPH</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>X</td> <td></td> <td>X</td> <td>UG</td> <td>1</td> <td></td> </tr> <tr> <td>X</td> <td></td> <td>X</td> <td>UG</td> <td>1</td> <td></td> </tr> <tr> <td>X</td> <td></td> <td>X</td> <td>UG</td> <td>1</td> <td></td> </tr> <tr> <td>X</td> <td></td> <td>X</td> <td>D</td> <td>1</td> <td></td> </tr> <tr> <td>X</td> <td></td> <td>X</td> <td>B</td> <td>1</td> <td></td> </tr> <tr> <td>X</td> <td></td> <td>X</td> <td>UG</td> <td>1</td> <td></td> </tr> <tr> <td>X</td> <td></td> <td>X</td> <td>UG</td> <td>1</td> <td></td> </tr> <tr> <td>X</td> <td></td> <td>X</td> <td>UG</td> <td>1</td> <td></td> </tr> <tr> <td>X</td> <td></td> <td>X</td> <td>UG</td> <td>1</td> <td></td> </tr> </tbody> </table>						REQUESTED ANALYSIS		SAMPLE TYPE		TOTAL NUMBER OF CONTAINERS		EPA 418.1	BTEX EPA 8020	TPH				X		X	UG	1		X		X	UG	1		X		X	UG	1		X		X	D	1		X		X	B	1		X		X	UG	1		X		X	UG	1		X		X	UG	1		X		X	UG	1	
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REQUESTED TURNAROUND TIME:		SAMPLE RECEIPT REMARKS		RESULTS & INVOICES TO:																																																																			
<input type="checkbox"/> ROUTINE <input type="checkbox"/> RUSH				FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P. O. BOX 4990 FARMINGTON, NEW MEXICO 87499																																																																			
CARRIER CO.		CHARGE CODE		505-599-2144																																																																			
BILL NO.:				505-599-2261																																																																			



## FIELD SERVICES LABORATORY

### ANALYTICAL REPORT

#### PIT CLOSURE PROJECT - Soil

#### SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	mk 154	945711
MTR CODE   SITE NAME:	71786	N/A
SAMPLE DATE   TIME (Hrs):	7-19-94	0915
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	7/21/94	7/21/94
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	VG	DK Grey coarse sand

REMARKS:

#### RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	9270	MG/KG			0.53	28
HEADSPACE PID	234	PPM				
PERCENT SOLIDS	94.8	%				

— TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 —

a Surrogate Recovery was at N/A % for this sample All QA/QC was acceptable.  
Narrative:

DF = Dilution Factor Used

1.8

Date:

8/3/94