

# EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

OK.

Irish # 1J  
Meter/Line ID - 90873

## SITE DETAILS

Legals - Twn: 26N  
NMOCD Hazard Ranking: 0  
Operator:

Rng: 13W

Sec: 12 Unit: I  
Land Type: Navajo  
Pit Closure Date: 11/17/95

Federal  
In Fed

## 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 eight feet and a soil sample was collected for field headspace analysis and laboratory analysis for benzene, total BTEX, and TPH. Groundwater was not encountered in the test pit. 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 69.5 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of <3 mg/kg, and a TPH concentration of 178 mg/kg. This site was re-assessed on May 18, 1998, because the initial assessment 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 five years.
- Bedrock was encountered in the test excavation at eight feet below ground surface.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- 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 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.
- Based on the Hazard Ranking Score, TPH, Benzene, and BTEX were below required remediation levels.



## ATTACHMENT

Revised Field Pit Assessment Form  
Field Pit Remediation/Closure Form

Field Pit Assessment Form  
Laboratory Analytical Results

**REVISED**  
FIE PIT SITE ASSESSMENT FOR

<b>GENERAL</b>	<p>Meter: <u>90873</u> Location: <u>TRISH # 1J</u></p> <p>Operator #: _____ Operator Name: _____ P/L District: _____</p> <p>Coordinates: Letter: <u>54R I</u> Section <u>12</u> Township: <u>26</u> Range: <u>13</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>5-18-98</u> Area: _____ Run: _____</p>																
<b>SITE ASSESSMENT</b>	<p><b>NMOCD Zone:</b> (From NMOCD Maps)      <b>Land Type:</b></p> <table style="width: 100%;"> <tr> <td style="width: 33%;">Inside</td><td style="width: 33%;"><input type="checkbox"/> (1)</td><td style="width: 33%;">BLM</td><td style="width: 33%;"><input type="checkbox"/> (1)</td></tr> <tr> <td>Outside</td><td><input checked="" type="checkbox"/> (2)</td><td>State</td><td><input type="checkbox"/> (2)</td></tr> <tr> <td></td><td></td><td>Fee</td><td><input type="checkbox"/> (3)</td></tr> <tr> <td></td><td></td><td>Indian</td><td><u>NAVAJO</u></td></tr> </table> <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?</p> <p style="text-align: center;"><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, 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 style="text-align: center;"><input checked="" type="checkbox"/> (2) &gt; 100'</p> <p><b>TOTAL HAZARD RANKING SCORE:</b> <u>0</u> POINTS</p>	Inside	<input type="checkbox"/> (1)	BLM	<input type="checkbox"/> (1)	Outside	<input checked="" type="checkbox"/> (2)	State	<input type="checkbox"/> (2)			Fee	<input type="checkbox"/> (3)			Indian	<u>NAVAJO</u>
Inside	<input type="checkbox"/> (1)	BLM	<input type="checkbox"/> (1)														
Outside	<input checked="" type="checkbox"/> (2)	State	<input type="checkbox"/> (2)														
		Fee	<input type="checkbox"/> (3)														
		Indian	<u>NAVAJO</u>														
<b>REMARKS</b>	<p>Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. LOCATION IS IN A REMOTE AREA UP ON A PLATEAU NORTHWEST OF MONCISCO WASH.</u></p>																

# FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 90873 Location: Irish 1 J  
 Operator #: \_\_\_\_\_ Operator Name: \_\_\_\_\_ P/L District: Angel Peak  
 Coordinates: Letter: P Section: 12 Township: 26 Range: 13  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator \_\_\_\_\_ Location Drip: ☒ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: 1/23/95 Area: 01 Run: 11

SITE ASSESSMENT

## NMOCD Zone:

(From NMOCD  
Maps)

Inside

Outside

## Land Type:

BLM ☐ (1)

State ☐ (2)

Fee ☐ (3)

Indian Navajo

☐ (1)

☒ (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 Moncisco Wash

(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: 20 POINTS

REMARKS

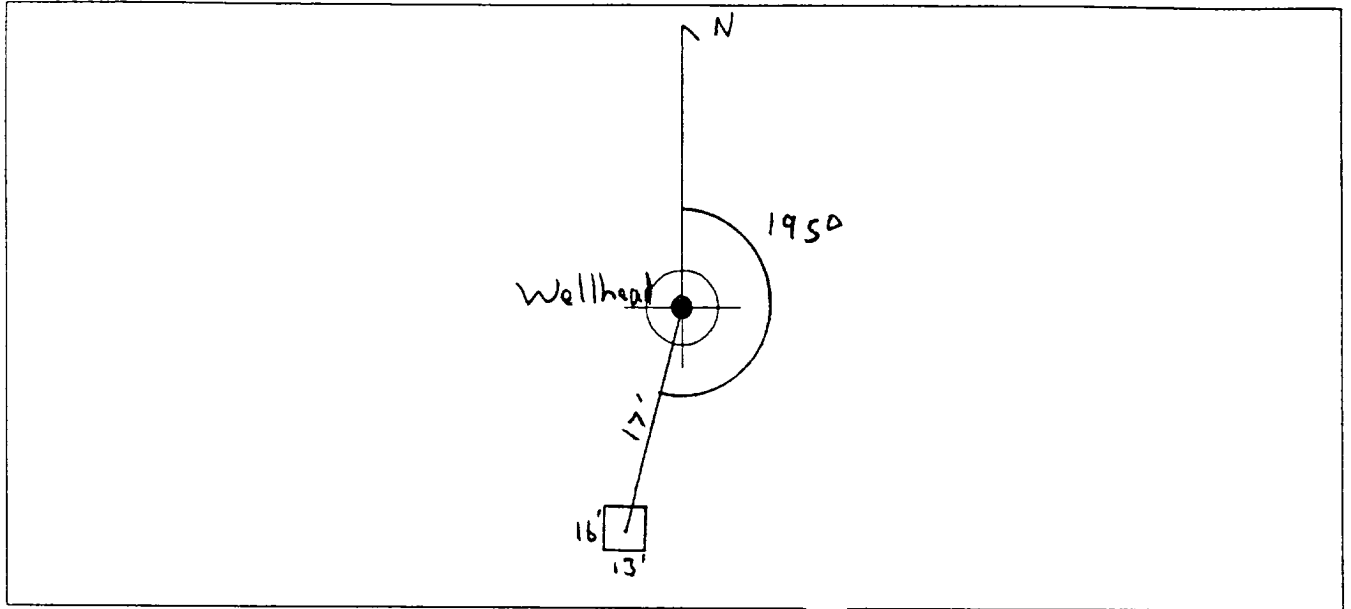
Remarks : Redline Book: Outside Vulnerable Zone Top: Outside  
2 pits - Close 1.

PUSHIN

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 195° Footage from Wellhead 17  
b) Length : 16' Width : 13' Depth : 5'

ORIGINAL PIT LOCATION



REMARKS :

Pictures @ 1054 hr 1-4 roll 1

Well P/A

REMARKS

Completed By:

Cory Chase  
Signature

1/23/05  
Date

# FIELD PIT REMEDIATION/CLOSURE FORM

<b>GENERAL</b>	<p>Meter: <u>90823</u> Location: <u>Irish 15</u></p> <p>Coordinates: Letter: <u>P</u> Section <u>12</u> Township: <u>26</u> Range: <u>13</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>11/17/95</u> Run: <u>01</u> <u>11</u></p>
<b>FIELD OBSERVATIONS</b>	<p>Sample Number(s): <u>JK142</u></p> <p>Sample Depth: <u>8'</u> Feet</p> <p>Final PID Reading <u>69.5</u> PID Reading Depth <u>8'</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>
<b>CLOSURE</b>	<p>Remediation Method :</p> <p>Excavation <input type="checkbox"/> Approx. Cubic Yards <u>0</u> LT <u>11/27/95</u></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>11/17/95</u> Pit Closed By: <u>Philip</u></p>
<b>REMARKS</b>	<p>Remarks : <u>This Pit was a Push In</u></p> <p><u>fence 512 19x16 No Net Hit Rock at 8'</u></p> <p><u>More than 100' from Ephemeral stream</u></p> <p><u>No EPN6 on site</u></p> <p>Signature of Specialist: <u>[Signature]</u></p>



FIELD SERVICES LABORATORY  
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JK142	947797
MTR CODE   SITE NAME:	90873	Irish 1J
SAMPLE DATE   TIME (Hrs):	11-17-95	1218
PROJECT:	Phase I Navajo	
DATE OF TPH EXT.   ANAL.:	11/27/95	
DATE OF BTEX EXT.   ANAL.:	11/20/95	11/20/95
TYPE   DESCRIPTION:	V6	Light brown sand & sand stone

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 0.5	MG/KG				
TOLUENE	< 0.5	MG/KG				
ETHYL BENZENE	< 0.5	MG/KG				
TOTAL XYLENES	1.6	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	178	MG/KG			2.04	28
HEADSPACE PID	69.5	PPM				
PERCENT SOLIDS	95.5	%				

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

The Surrogate Recovery was at  
Narrative:

97%

for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

Approved By:

Date:

11/28/95

# BTEX SOIL SAMPLE WORKSHEET

File : 947797  
Soil Mass (g) : 5.03  
Extraction vol. (mL) : 10  
Shot Volume (uL) : 50

Date Printed : 11/21/  
Multiplier (L/g) : 0.000  
CAL FACTOR (Analytical): 2  
CAL FACTOR (Report): 0.1988

Benzene (ug/L) : 0.00  
Toluene (ug/L) : 0.91  
Ethylbenzene (ug/L) : 0.62  
p & m-xylene (ug/L) : 6.66  
o-xylene (ug/L) : 1.25

DILUTION FACTOR: 1  
Benzene (mg/Kg): 0.00  
Toluene (mg/Kg): 0.18  
Ethylbenzene (mg/Kg): 0.12  
p & m-xylene (mg/Kg): 1.32  
o-xylene (mg/Kg): 0.24  
Total xylenes (mg/Kg): 1.57  
Total BTEX (mg/Kg): 1.87