

# EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

Risk  
BTEX

Huerfanito Unit No. 18-2  
Meter/Line ID - 71092

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## SITE DETAILS

Legals - Twn: 26N	Rng:9W	Sec: 2	Unit: O
NMOCD Hazard Ranking: 10		Land Type: State	
Operator: Burlington Res.		Pit Closure Date: 09/29/94	

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## 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 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 180 ppm; laboratory analysis indicated a TPH concentration of 67.4 mg/kg. The site was re-assessed on May 15, 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 six years.
- 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 50 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 concentrations were below required remediation levels.

## ATTACHMENT

Field Pit Assessment Form

Field Pit Remediation/Closure Form

Laboratory Analytical Results

# REVISED FIELD PIT SITE ASSESSMENT FORM

GENERAL			
	Meter: <u>71092</u> Location: <u>HUERFANITO UNIT #18-2</u> Operator #: _____ Operator Name: <u>BURLINGTON DES.</u> P/L District: _____ Coordinates: Letter: <u>0</u> Section <u>2</u> Township: <u>26</u> Range: <u>9</u> Or           Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____ Site Assessment Date: <u>5-15-98</u> Area: <u>11</u> Run: <u>51</u>		
SITE ASSESSMENT	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <b>NMOCD Zone:</b>            (From NMOCD Maps)         </div> <div style="width: 45%;"> <b>Land Type:</b>  <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Inside (1)  <input checked="" type="checkbox"/> Outside (2)           </div> <div style="width: 45%;">             BLM <input type="checkbox"/> (1)              State <input checked="" type="checkbox"/> (2)              Fee <input type="checkbox"/> (3)              Indian _____           </div> </div> </div> </div> <div style="margin-top: 10px;"> <b>Depth to Groundwater</b>            Less Than 50 Feet (20 points) <input type="checkbox"/> (1)            50 Ft to 99 Ft (10 points) <input checked="" type="checkbox"/> (2)            Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)         </div> <div style="margin-top: 10px;"> <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?  <div style="display: flex; justify-content: center; gap: 20px;"> <input type="checkbox"/> (1) YES (20 points)           <input checked="" type="checkbox"/> (2) NO (0 points)         </div> </div> <div style="margin-top: 10px;"> <b>Horizontal Distance to Surface Water Body</b>            Less Than 200 Ft (20 points) <input type="checkbox"/> (1)            200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2)            Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (3)         </div> <div style="margin-top: 10px;">           Name of Surface Water Body _____            (Surface Water Body: Perennial Rivers, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)         </div> <div style="margin-top: 10px;">           Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) &lt; 100' (Navajo Pits Only)  <input type="checkbox"/> (2) &gt; 100'         </div> <div style="margin-top: 10px;"> <b>TOTAL HAZARD RANKING SCORE:</b> <u>10</u> <b>POINTS</b> </div>		
REMARKS	Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. LOCATION IS IN A REMOTE AREA SE OF HUERFANITO PEAK, ON A HILL NORTH OF REED CANYON WASH.</u>		

# FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 71092 Location: Huerfano unit No. 18-2  
 Operator #: 2999 Operator Name: Mendon P/L District: Ballard  
 Coordinates: Letter: O Section 2 Township: 26 N Range: 9 W  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator    Location Drip: X Line Drip:    Other:     
 Site Assessment Date: 6-23-94 Area: 11 Run: 51

SITE ASSESSMENT

NMOCD Zone:

(From NMOCD  
Maps)

Inside

☐ (1)

Outside

☒ (2)

Land Type:

~~X6W 6-24-94~~

BEM ☒ (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, 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: 0 POINTS

REMARKS

Remarks : One pit on location Dry

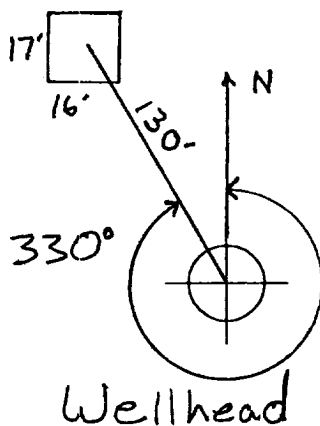
outside V.Z. on Topo

Inside V.Z. on Redline

ORIGINAL PIT LOCATION

## ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 330° Footage from Wellhead 130  
b) Length : 17 Width : 16 Depth : 3



REMARKS

Remarks :

Photos - 1129Bobtail

Completed By:

Signature

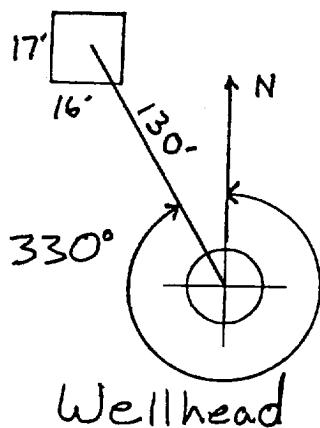
6-23-94

Date

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REMARKS

Remarks :

Photos - 1129Bohtail

Completed By:

Signature

6-23-94

Date

# FIELD PIT REMEDIATION/CLOSURE FORM

<b>GENERAL</b>	<p>Meter: <u>71092</u> Location: <u>Huerfano unit # 18-2</u></p> <p>Coordinates: Letter: <u>0</u> Section <u>2</u> Township: <u>26</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>9-29-94</u> Run: <u>11</u> <u>51</u></p>
<b>FIELD OBSERVATIONS</b>	<p>Sample Number(s): <u>VW352</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>180</u> PID Reading Depth <u>12'</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 _____</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>9-29-94</u> Pit Closed By: <u>BEF</u></p>
<b>REMARKS</b>	<p>Remarks : <u>10yds F.I.</u></p> <p>_____</p> <p>_____</p>
	<p>Signature of Specialist: <u>Vale Wilson</u></p>



FIELD SERVICES LABORATORY  
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

SAMPLE NUMBER:

Field ID  
VW 252 352 <sup>WOK</sup> 10/20/94

Lab ID

946262

MTR CODE | SITE NAME:

71092

N/A

SAMPLE DATE | TIME (Hrs):

9-29-94

1000

SAMPLED BY:

N/A

DATE OF TPH EXT. | ANAL.:

10-3-94

DATE OF BTEX EXT. | ANAL.:

N/A

N/A

TYPE | DESCRIPTION:

VG

Light brown coarse sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	67.4	MG/KG			2.04	28
HEADSPACE PID	180	PPM				
PERCENT SOLIDS	92.1	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

10/6/94

# CHAIN OF CUSTODY RECORD

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

PROJECT NUMBER		PROJECT NAME		CONTRACT LABORATORY P. O. NUMBER	
24324		Pit Closure Project # 24324			
SAMPLERS (Signature)		DATE			
Vale Wilson		9-29-94			
LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	REMARKS
6261	9-29-94	1700	Soil	VW 351	
6262	9-29-94	1800	Soil	VW 352	
6263	9-29-94	1830	Soil	VW 353	
6264	9-29-94	1130	Soil	VW 354	
6265	9-29-94	1700	Soil	VW 355	
6266	9-29-94	1245	Soil	VW 356	
6267	9-29-94	1325	Soil	VW 357	
6268	9-29-94	1325	Soil	VW 358	
6269	9-29-94	1330	Soil	VW 359	
6270	9-29-94	1400	Soil	VW 360	
6271	9-29-94	1445	Soil	VW 361	
6272	9-29-94	1530	Soil	VW 362	
RELINQUISHED BY: (Signature)		DATE		RECEIVED BY: (Signature)	
Vale Wilson		9-29-94 1805		Brenda X	
RELINQUISHED BY: (Signature)		DATE		RECEIVED BY: (Signature)	
REQUESTED TURNAROUND TIME:		ROUTINE <input type="checkbox"/> RUSH <input type="checkbox"/>		CARRIER CO.	
SAMPLE RECEIPT REMARKS		CHARGE CODE		RESULTS & INVOICES TO:	
				FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P.O. BOX 4990 FARMINGTON, NEW MEXICO 87499	
505-599-2144		505-599-2261		FAX: 505-599-2261	