

# EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

OK

**Boomer #1**  
**Meter/Line ID – 94907**

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## SITE DETAILS

Legals - Twn: 25N	Rng: 7W	Sec: 32	Unit: A
NMOCD Hazard Ranking: 10		Land Type: State	
Operator: Dugan Production		Pit Closure Date: 09/21/94	

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## **RATIONALE FOR RISK-BASED CLOSURE**

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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 five feet and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit and bedrock was encountered at five feet below ground surface. 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 40 ppm; laboratory analysis indicated a TPH concentration of 210 mg/kg. The site was re-assessed on April 4, 1998, due to the original assessment that 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.
- Bedrock was encountered in the test excavation at five feet below ground surface making further remediation impractical; therefore, impact to groundwater is unlikely.
- Based on the Hazard Ranking Score, TPH was below required remediation levels.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- 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.

## ATTACHMENT

Field Pit Assessment Form  
Revised Field Pit Site Assessment Form

Field Pit Remediation/Closure Form  
Laboratory Analytical Results

# REVISED FIELD PIT SITE ASSESSMENT FORM

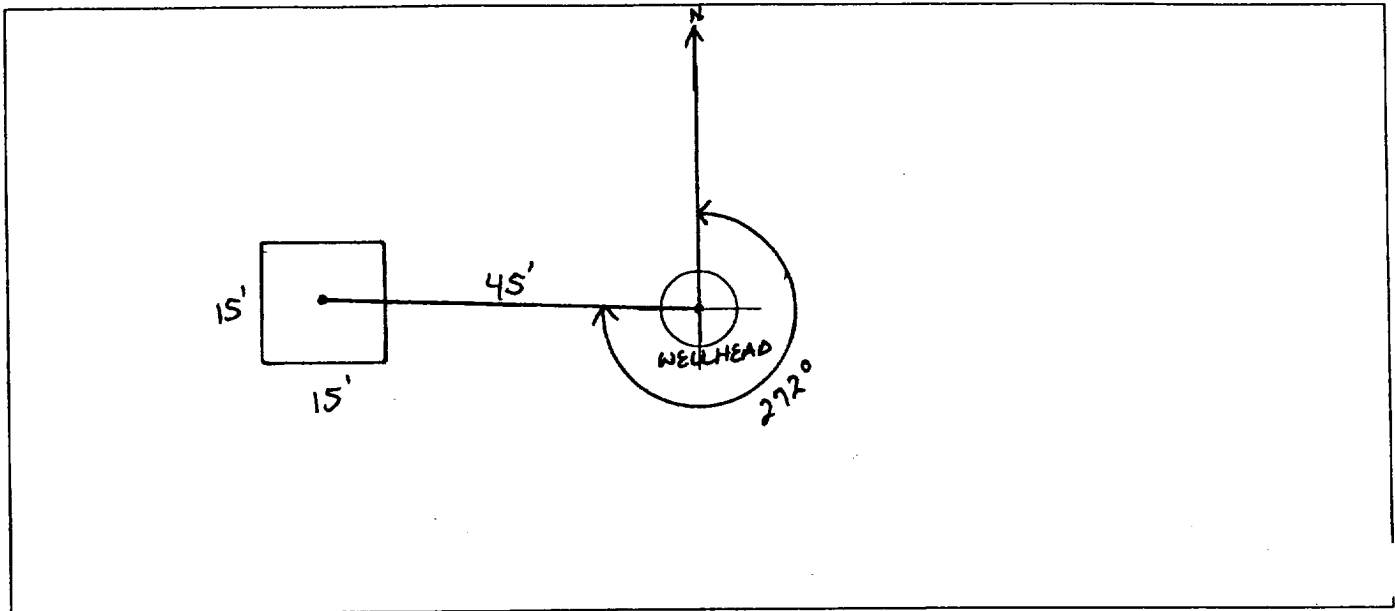
<b>GENERAL</b>	Meter: <u>94907</u> Location: <u>Boomer #1</u> Operator #: _____ Operator Name: <u>DUGAN PROD.</u> P/L District: _____ Coordinates: Letter: <u>A</u> Section <u>32</u> Township: <u>25</u> Range: <u>7</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____ Site Assessment Date: <u>5.4.98</u> Area: <u>07</u> Run: <u>41</u>
<b>SITE ASSESSMENT</b>	<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; margin-top: 10px;"> <div style="width: 45%;"> <input type="checkbox"/> (1) Inside  <input checked="" type="checkbox"/> (2) Outside           </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; margin-top: 5px;"> <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;">       TOTAL HAZARD RANKING SCORE: <u>10</u> POINTS     </div>
<b>REMARKS</b>	Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. LOCATION IS AT THE END OF PALLUCHE CANYON AND IS NEXT TO THE BASE OF A SANDSTONE BLUFF.</u>

# FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>94907</u> Location: <u>BOOMER #1</u></p> <p>Operator #: <u>1862</u> Operator Name: <u>DUGAN PROD.</u> P/L District: <u>BALLARD</u></p> <p>Coordinates: Letter: <u>A</u> Section <u>32</u> Township: <u>25</u> Range: <u>7</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>6-23-94</u> Area: <u>07</u> Run: <u>41</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 type="checkbox"/> (1)</p> <p>State <input checked="" 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>TWO PITS ON LOCATION. PIT IS DRY. LOCATION IS AT THE END OF PALLUCHE CANYON ON A SMALL HILL. REDLINE SHOWS LOCATION IS INSIDE U.Z. BUT TOPO SHOWS LOCATION IS OUTSIDE U.Z.</u></p> <p style="text-align: right;"><u>PUSH IN</u></p>

# ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 272° Footage from Wellhead 45'  
 b) Length : 15' Width : 15' Depth : 4'



## Remarks :

TOOK PICTURES AT 9:19 A.M.  
RT 6-23-94

END DUMP DUMP TRUCK- DOBTAIL

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Completed By:

Robert Thompson

Signature

6-23-94

Date

# FIELD PIT REMEDIATION/CLOSURE FORM

<b>GENERAL</b>	Meter: <u>94907</u> Location: <u>Boomer #1</u> Coordinates: Letter: <u>A</u> Section <u>32</u> Township: <u>25</u> Range: <u>7</u> Or Latitude _____ Longitude _____ Date Started : <u>9-21-94</u> Run: <u>02</u> <u>41</u>
<b>FIELD OBSERVATIONS</b>	Sample Number(s): <u>VW313</u> <u>VW314</u> <u>VW315</u> _____ Sample Depth: <u>5'</u> Feet Final PID Reading <u>210</u> PID Reading Depth <u>5'</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>9-21-94</u> Pit Closed By: <u>BLZ</u>
<b>REMARKS</b>	Remarks : <u>sandstone 5'</u> <u>10 yds Fill</u> _____ _____
	Signature of Specialist: <u>Val Wilson</u>



FIELD SERVICES LABORATORY  
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW 313	946182
MTR CODE   SITE NAME:	94907	N/A
SAMPLE DATE   TIME (Hrs):	9-21-94	1020
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	9-22-94	9-22-94
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	VG	light brown sand & clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	130 <sup>KOL 9/23/94</sup> 134	MG/KG			2.02	28
HEADSPACE PID	210	PPM				
PERCENT SOLIDS	90.5	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By: JS

Date: 9/30/94



## CHAIN OF CUSTODY RECORD

PROJECT NUMBER		PROJECT NAME		Pit Closure Project # 24324		CONTRACT LABORATORY P. O. NUMBER	
SAMPLES: (Signature)		DATE:		9-21-94			
Vole Wilson							
LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBERS OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1
6183	9-21-94	1020	Soil	VW 313	1	VG	X
6183	9-21-94	1020	Soil	VW 314	1	D	X
6184	9-21-94	1023	Soil	VW 315	1	B	X
6185	9-21-94	1100	Soil	VW 316	1	VG	X
6186	9-21-94	1145	Soil	VW 317	1	VG	X
6187	9-21-94	1235	Soil	VW 318	1	VG	X
6188	9-21-94	1315	Soil	VW 319	1	VG	X
6189	9-21-94	1500	Soil	VW 320	1	VG	X
6190	9-21-94	1530	Soil	VW 321	1	VG	X
<div style="display: flex; justify-content: space-between;"> <div> <p>RELINQUISHED BY: (Signature)</p> <p><i>Vole Wilson</i></p> </div> <div> <p>DATE/TIME</p> <p>9-21-94 1030</p> </div> <div> <p>RECEIVED BY: (Signature)</p> <p><i>Brenda Liss</i></p> </div> <div> <p>DATE/TIME</p> <p>9-21-94 1045</p> </div> </div>							
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