

# EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

OK

Redfern #1R  
Meter/Line ID – 94533

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## SITE DETAILS

Legals - Twn: 28N	Rng: 11W	Sec: 16	Unit: A
NMOCD Hazard Ranking: 10		Land Type: BLM	
Operator: Dugan Production		Pit Closure Date: 10/06/94	

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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 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 backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 0 ppm; laboratory analysis indicated a TPH concentration of 471 mg/kg. This site was re-assessed on April 21, 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, benzene, total BTEX, and TPH were below required remediation levels.

### ATTACHMENT

Revised Field Pit Assessment Form  
Field Pit Remediation/Closure Form



Field Pit Assessment Form  
Laboratory Analytical Results

**REVISED**  
**FIELD PIT SITE ASSESSMENT FORM**

<b>GENERAL</b>	Meter: <u>94533</u> Location: <u>RED FERN #1 R</u> Operator #: _____ Operator Name: <u>DUGAN PRODUCTION</u> NP/L District: _____ Coordinates: Letter: <u>A</u> Section <u>16</u> Township: <u>28</u> Range: <u>11</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____ Site Assessment Date: <u>4-21-98</u> Area: <u>01</u> Run: <u>63</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"/> Inside (1)  <input checked="" type="checkbox"/> Outside (2)           </div> <div style="width: 45%;">             BLM <input checked="" type="checkbox"/> (1)              State <input type="checkbox"/> (2)              Fee <input type="checkbox"/> (3)              Indian _____           </div> </div> </div> </div> <div style="margin-top: 10px;"> <b>Depth to Groundwater</b> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 45%;">           Less Than 50 Feet (20 points)            50 Ft to 99 Ft (10 points)            Greater Than 100 Ft (0 points)         </div> <div style="width: 45%;"> <input type="checkbox"/> (1)  <input checked="" type="checkbox"/> (2)  <input type="checkbox"/> (3)         </div> </div> </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: space-between; 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> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 45%;">           Less Than 200 Ft (20 points)            200 Ft to 1000 Ft (10 points)            Greater Than 1000 Ft (0 points)         </div> <div style="width: 45%;"> <input type="checkbox"/> (1)  <input type="checkbox"/> (2)  <input checked="" type="checkbox"/> (3)         </div> </div> </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           <div style="display: flex; justify-content: space-between; margin-left: 100px;"> <input type="checkbox"/> (1) &lt; 100' (Navajo Pits Only)  <input type="checkbox"/> (2) &gt; 100'           </div> </div> <div style="margin-top: 10px;"> <b>TOTAL HAZARD RANKING SCORE:</b> <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 IN A REMOTE AREA AND LIES NEXT TO KUTZ CANYON.</u>

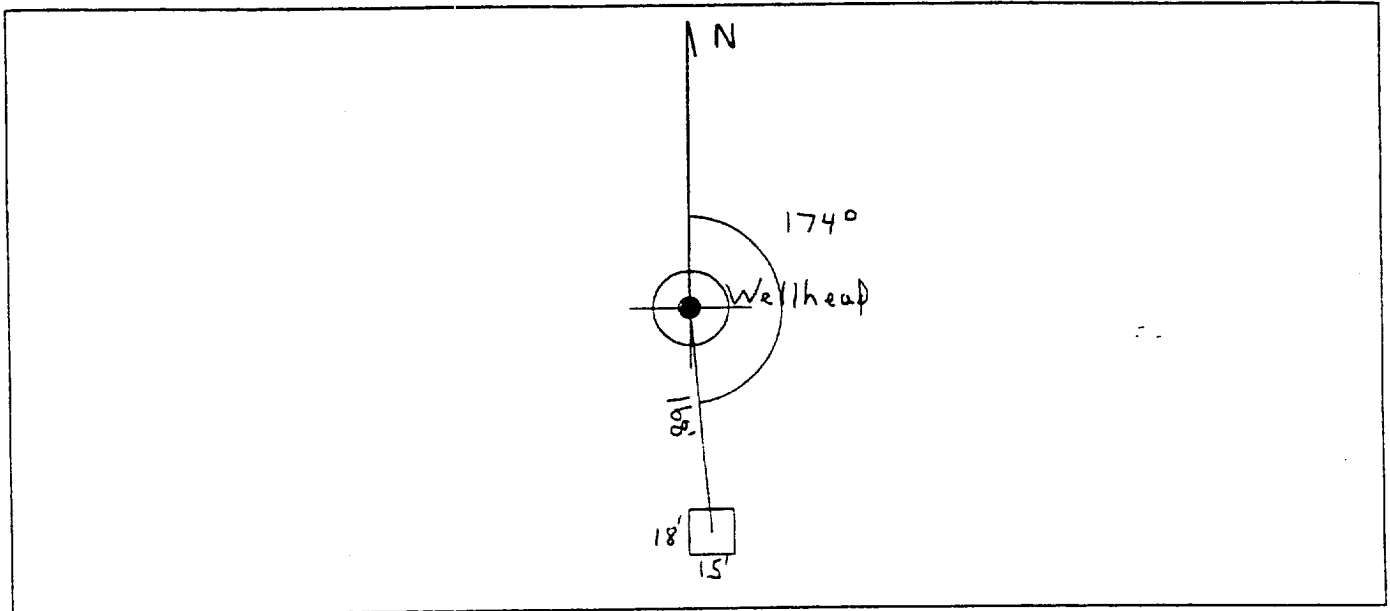
# FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>94533</u> Location: <u>Red Fern #1-R</u></p> <p>Operator #: <u>1862</u> Operator Name: <u>DUGAN</u> P/L District: <u>Angel Peak</u></p> <p>Coordinates: Letter: <u>A</u> Section <u>16</u> Township: <u>28</u> Range: <u>11</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: <input checked="" type="checkbox"/> Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>9/13/94</u> Area: <u>01</u> Run: <u>63</u></p>
SITE ASSESSMENT	<p><b>NMOCD Zone:</b> (From NMOCD Maps)</p> <p>Inside <input type="checkbox"/> (1) Outside <input checked="" type="checkbox"/> (2)</p> <p><b>Land Type:</b> BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____</p> <p><b>Depth to Groundwater</b> Less Than 50 Feet (20 points) <input checked="" type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)</p> <p><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? <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> Less Than 200 Ft (20 points) <input type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input checked="" type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Name of Surface Water Body <u>Kurtz Canyon</u> (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) <input type="checkbox"/> (2) &gt; 100'</p> <p><b>TOTAL HAZARD RANKING SCORE:</b> <u>30</u> POINTS</p>
REMARKS	<p>Remarks : <u>Redline Book - Inside - Vulnerable Zone Topo - Outside</u> <u>1 pit. Will close Pit dry</u></p> <p style="text-align: right;"><u>PUSH-IN</u></p>

## ORIGINAL PIT LOCATION

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Original Pit : a) Degrees from North 174° Footage from Wellhead 168'  
b) Length : 18' Width 15' Depth : 5'



## REMARKS

Remarks :

Pictures @ 1502 hr

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Completed By:

Cory Chase  
Signature

9/13/94  
Date

# FIELD PIT REMEDIATION/CLOSURE FORM

<b>GENERAL</b>	Meter: <u>94533</u> Location: <u>Red Fern # 1-R</u> Coordinates: Letter: <u>A</u> Section <u>16</u> Township: <u>28</u> Range: <u>11</u> Or Latitude _____ Longitude _____ Date Started : <u>10-6-94</u> Run: <u>01</u> <u>63</u>
<b>FIELD OBSERVATIONS</b>	Sample Number(s): <u>KP 299</u> Sample Depth: <u>12'</u> Feet Final PID Reading <u>000</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            Other Facility         </div> <div style="text-align: right;"> <input type="checkbox"/> <input type="checkbox"/> Tierra  <input type="checkbox"/> Name: _____         </div> </div> Pit Closure Date: <u>10-6-94</u> Pit Closed By: <u>B.E.I</u>
<b>REMARKS</b>	Remarks : <u>Some line markers. At 12' soil clean</u> _____ _____
Signature of Specialist: <u>Kelly Padilla</u>	



## CHAIN OF CUSTODY RECORD

[illegible]



## FIELD SERVICES LABORATORY

### ANALYTICAL REPORT

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

#### SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 299	946353
MTR CODE   SITE NAME:	94533	N/A
SAMPLE DATE   TIME (Hrs):	10/16/94	0820
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	10-16-94	
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	VG	Frozen Sand

REMARKS:

#### RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	471	MG/KG			2.03	28
HEADSPACE PID	✓	PPM				
PERCENT SOLIDS	90.4	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

10-13-94