

**EL PASO FIELD SERVICES  
PRODUCTION PIT CLOSURE**

Lambe #5  
Meter/Line ID - 89368

*RISK bedrock*  
*Outside* *BTX* *TPH*  
**RECEIVED**  
NOV - 2 1999

**SITE DETAILS**

Legals - Twn: 31N  
NMOCD Hazard Ranking: 0  
Operator: Koch Exploration

Rng: 10

Sec: 20

Land Type: BLM

Pit Closure Date: 9/29/94

**OIL CON. DIV.**  
**DIST. 3**

**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.

Sandstone was encountered in the test excavation at a depth of seven feet. The excavation was terminated 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 316 ppm; laboratory analysis indicated a TPH concentration of 17,200 mg/kg.

El Paso Field Services Company (EPFS) requests closure of the production pit location noted above for the following reasons:

- The primary source, discharge to the pit, has been removed for over four years.
- Bedrock was encountered at seven feet below ground surface making remediation impracticable.
- 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.
- The site is greater than 1,000 feet from potential surface water receptors and water supply wells.
- 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**

<b>GENERAL</b>	Meter: <u>89368</u> Location: <u>Lambe #5</u> Operator #: _____ Operator Name: _____ P/L District: _____ Coordinates: Letter: <u>G</u> Section <u>20</u> Township: <u>31</u> Range: <u>10</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: <u>7/9/98</u> Area: _____ Run: _____
<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%;">           Inside <input type="checkbox"/> (1)            Outside <input checked="" type="checkbox"/> (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>        Less Than 50 Feet (20 points) <input type="checkbox"/> (1)        50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2)        Greater Than 100 Ft (0 points) <input checked="" 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       <div style="display: flex; justify-content: center; margin-left: 50px;"> <input type="checkbox"/> (1) &lt; 100' (Navajo Pits Only)  <input type="checkbox"/> (2) &gt; 100'       </div> </div> <div style="margin-top: 10px;">       TOTAL HAZARD RANKING SCORE: <u>0</u> POINTS     </div>
<b>REMARKS</b>	Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. No well shown on map in Ltr G. Site is still &gt; 100' vertical to nearest Wash</u>

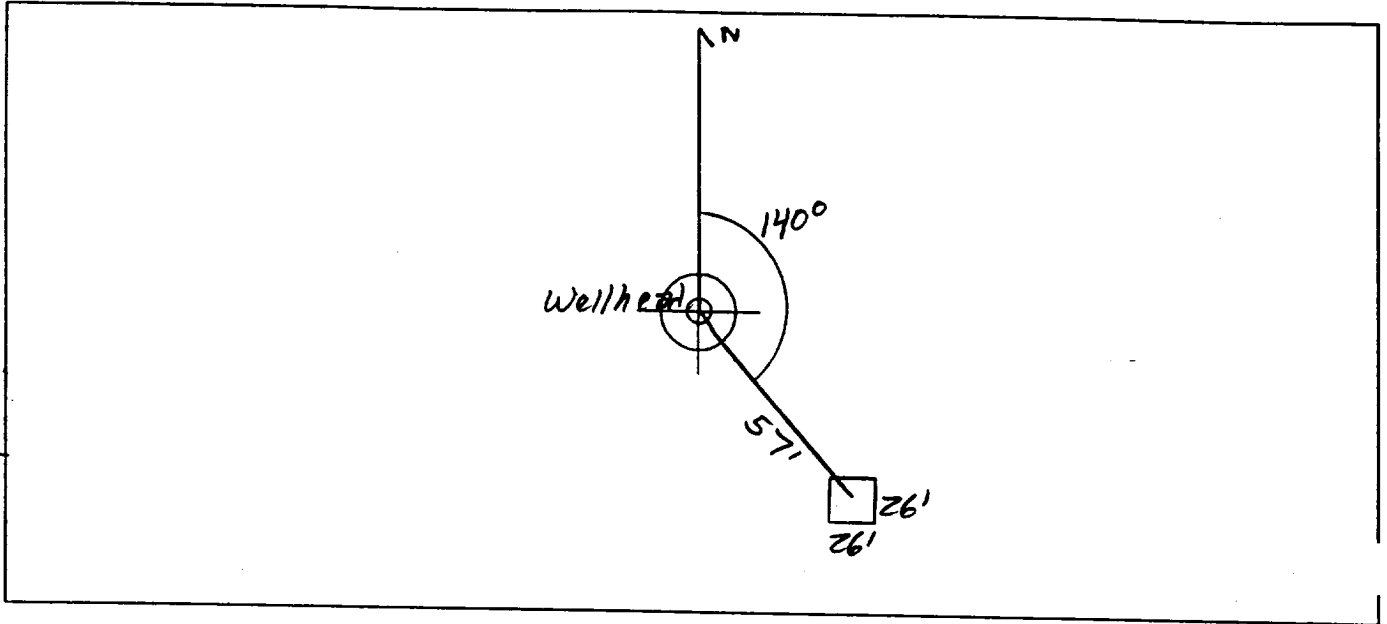
# FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>89-368</u> Location: <u>Lambe #5</u>          Operator #: <u>5540</u> Operator Name: <u>Roch Exploration</u> P/L District: <u>Aztec</u>          Coordinates: Letter: <u>G</u> Section <u>20</u> Township: <u>31</u> Range: <u>10</u>          Or Latitude _____ Longitude _____          Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____          Site Assessment Date: <u>8/29/94</u> Area: <u>04</u> Run: <u>52</u></p>
SITE ASSESSMENT	<p><b>NMOCD Zone:</b>          (From NMOCD Maps) 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 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)</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 type="checkbox"/> (2)          Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>Name of Surface Water Body <u>Animas River</u>          (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)          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>10</u> POINTS</p>
REMARKS	<p>Remarks : <u>Redline Book - Outside</u> <u>Vulnerable Zone Type - Outside</u>  <u>Two pits, location drip pit has paraffin in it,</u>  <u>will close one pit.</u></p> <p style="text-align: right;"><u>PUSH IN</u></p>

### ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 140° Footage from Wellhead 57'  
b) Length : 26' Width : 26' Depth : 2'

ORIGINAL PIT LOCATION



REMARKS

Remarks :

Pictures @ 0911 (1-4, Roll 12)  
End Dump

Completed By:

*Sam Kelly*  
Signature

8/29/94  
Date

# FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 89.368 Location: Lambe #5  
 Coordinates: Letter: G Section 20 Township: 31 Range: 10  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Date Started : 9-29-94 Run: 04 52

FIELD OBSERVATIONS

Sample Number(s): KP 270  
 Sample Depth: 7' Feet  
 Final PID Reading 316 PID Reading Depth 7' Feet  
 Yes No  
 Groundwater Encountered ☐ ☒ Approximate Depth \_\_\_\_\_ Feet

CLOSURE

Remediation Method :  
 Excavation ☐ Approx. Cubic Yards \_\_\_\_\_  
 Onsite Bioremediation ☐  
 Backfill Pit Without Excavation ☒  
 Soil Disposition:  
 Envirotech ☐ Tierra ☐  
 Other Facility ☐ Name: \_\_\_\_\_  
 Pit Closure Date: 9-29-94 Pit Closed By: B.E.T

REMARKS

Remarks : No line markers Pit has a lot of oil & water. Hit SAND STONE at 7' closed pit

Signature of Specialist: Kelly Padilla



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

FM-08-0565 A (Rev. 05-94)



FIELD SERVICES LABORATORY  
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 270	946280
MTR CODE   SITE NAME:	89368	N/A
SAMPLE DATE   TIME (Hrs):	9-29-94	1520
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	10-3-94	
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	VG	Brown sand & clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	17200	MG/KG			0.53	28
HEADSPACE PID	316	PPM				
PERCENT SOLIDS	89.3	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

10/6/94