

**EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE**

Drip
Hare #1 1123
Meter/Line ID - 70436

NO Have #1 in section
Risk-based
Have SRC #1 in ULG
RECEIVED
DEC 21 1999

SITE DETAILS

Legals - Twn: 29N
NMOCD Hazard Ranking: 0
Operator: Southland Royalty

Rng: 10W

Sec: 3

Land Type: BLM

Pit Closure Date: 6/9/94

OIL CON. DIV.
DIST. 3

Have SRC #1
G-03-29W-10W

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 4' where sandstone was encountered. The excavation was terminated at 4' 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 118 ppm; laboratory analysis indicated a TPH concentration of 478 mg/kg.

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 over five years.
- Bedrock was encountered in the test excavation at four feet below ground surface making remediation impractical.
- 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.
- There are no water supply wells or potential surface water receptors within 1,000 feet of the site.
- 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

✓

GENERAL	<p>Meter: <u>70436</u> Location: <u>Hare #1</u></p> <p>Operator #: _____ Operator Name: _____ P/L District: _____</p> <p>Coordinates: Letter: <u>H</u> Section <u>3</u> Township: <u>29</u> Range: <u>10</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>12/10/97</u> Area: _____ Run: _____</p>																
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps)</p> <table style="width: 100%;"> <tr> <td style="width: 35%;">Inside</td> <td style="width: 15%;"><input type="checkbox"/> (1)</td> <td style="width: 35%;">Land Type:</td> <td style="width: 15%;">BLM <input checked="" type="checkbox"/> (1)</td> </tr> <tr> <td>Outside</td> <td><input checked="" type="checkbox"/> (2)</td> <td></td> <td>State <input type="checkbox"/> (2)</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Fee <input type="checkbox"/> (3)</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Indian _____</td> </tr> </table> <p>Depth to Groundwater</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>Wellhead Protection Area</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>Horizontal Distance to Surface Water Body</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) < 100' (Navajo Pits Only)</p> <p style="text-align: center;"><input type="checkbox"/> (2) > 100'</p> <p>TOTAL HAZARD RANKING SCORE: <u>0</u> POINTS</p>	Inside	<input type="checkbox"/> (1)	Land Type:	BLM <input checked="" type="checkbox"/> (1)	Outside	<input checked="" type="checkbox"/> (2)		State <input type="checkbox"/> (2)				Fee <input type="checkbox"/> (3)				Indian _____
Inside	<input type="checkbox"/> (1)	Land Type:	BLM <input checked="" type="checkbox"/> (1)														
Outside	<input checked="" type="checkbox"/> (2)		State <input type="checkbox"/> (2)														
			Fee <input type="checkbox"/> (3)														
			Indian _____														
REMARKS	<p>Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Note: 2 sites in Unit H. Both score 0 points.</u></p> <p><u>Site is > 1000' From Slane & Wright Canyons.</u></p>																

FIELD PIT SITE ASSESSMENT FORM

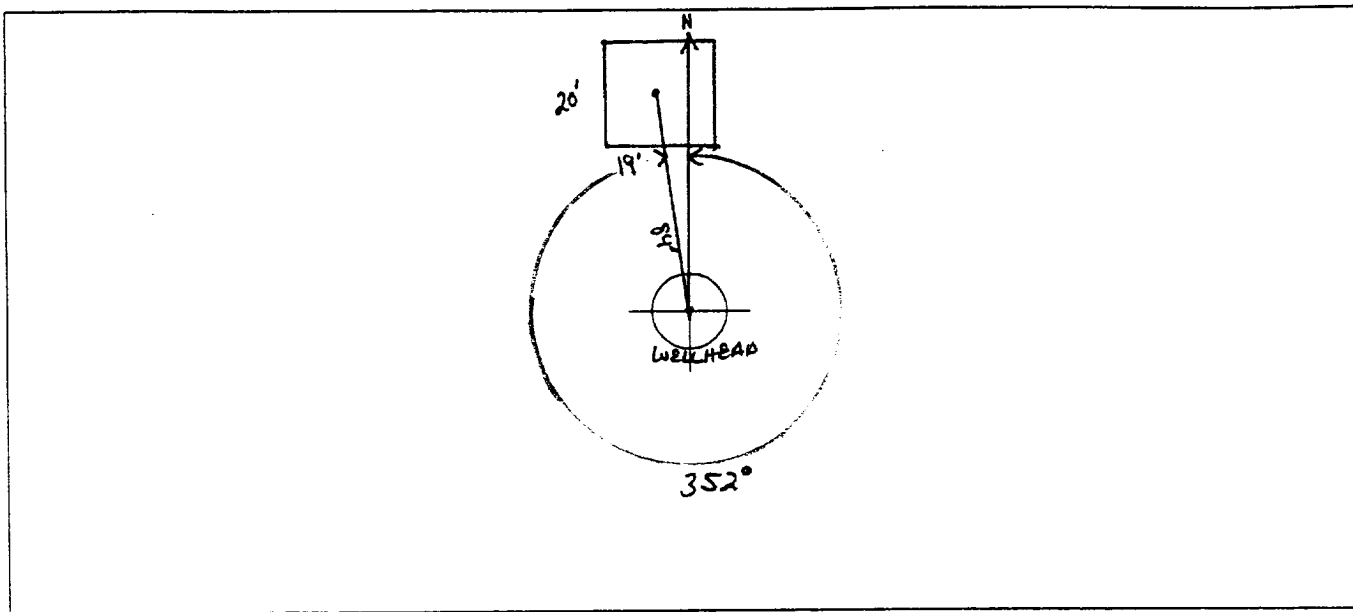
GENERAL	Meter: <u>70436</u> Location: <u>HARE #1</u> Operator #: <u>8367</u> Operator Name: <u>SOUTHLAND ROYALTY</u> P/L District: <u>BLOOMFIELD</u> Coordinates: Letter: <u>H</u> Section <u>3</u> Township: <u>29</u> Range: <u>10</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____ Site Assessment Date: <u>5.3.94</u> Area: <u>10</u> Run: <u>73</u>	
	NMOCD Zone: (From NMOCD Maps) Inside <input type="checkbox"/> (1) Outside <input checked="" type="checkbox"/> (2) Land Type: BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____ Depth to Groundwater 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) 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? <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points) Horizontal Distance to Surface Water Body 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) Name of Surface Water Body _____ (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100' TOTAL HAZARD RANKING SCORE: <u>10</u> POINTS	
REMARKS	Remarks : <u>ONLY PIT ON LOCATION. PIT IS DRY. REDLINE SHOWS LOCATION IS INSIDE THE V.Z. BUT TOPO SHOWS THAT IT IS OUTSIDE THE V.Z.</u>	

PUSH IN

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 352° Footage from Wellhead 84'
b) Length : 20' Width : 19' Depth : 4'



REMARKS

Remarks :

TOOK PICTURES AT 2:21 P.M.

END DUMP

Completed By:

Robert Thompson
Signature

5.3.94
Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>70436</u> Location: <u>Hose #. 1</u></p> <p>Coordinates: Letter: <u>H</u> Section <u>3</u> Township: <u>29</u> Range: <u>10</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>6-9-94</u> Area: <u>10</u> Run: <u>73</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>JW 186</u></p> <p>Sample Depth: <u>4</u> Feet</p> <p>Final PID Reading <u>118</u> PID Reading Depth <u>4</u> Feet</p> <p style="text-align: center;">Yes No</p> <p>Groundwater Encountered <input type="checkbox"/> (1) <input checked="" type="checkbox"/> (2) Approximate Depth _____ Feet</p>
CLOSURE	<p>Remediation Method :</p> <p>Excavation <input type="checkbox"/> (1) Approx. Cubic Yards _____</p> <p>Onsite Bioremediation <input type="checkbox"/> (2)</p> <p>Backfill Pit Without Excavation <input checked="" type="checkbox"/> (3)</p> <p>Soil Disposition:</p> <p>Envirotech <input type="checkbox"/> (1) <input type="checkbox"/> (3) Tierra</p> <p>Other Facility <input type="checkbox"/> (2) Name: _____</p> <p>Pit Closure Date: <u>6-7-94</u> Pit Closed By: <u>BEI</u></p>
REMARKS	<p>Remarks : <u>line markers on site, Gray soil 0-4' Hit sandstone at 4'</u></p> <p>_____</p> <p>_____</p>
	<p>Signature of Specialist: <u>Dale Wilson</u></p>



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW 186	945418
MTR CODE SITE NAME:	70436	N/A
SAMPLE DATE TIME (Hrs):	6-9-94	1310
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	6/10/94	6/10/94
DATE OF BTEX EXT. ANAL.:	N/A	N/A
TYPE DESCRIPTION:	VG	Grey/Black C Sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	478	MG/KG			2.03	28
HEADSPACE PID	118	PPM				
PERCENT SOLIDS	92.6	%				

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

The Surrogate Recovery was at N/A % for this sample All QA/QC was acceptable.
Narrative:

DF = Dilution Factor Used

Approved By: John Lord

Date: 6/16/94