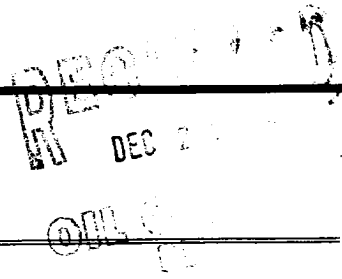


**EL PASO FIELD SERVICES  
PRODUCTION PIT CLOSURE**

*Bedrock*  
*Drip*  
**Lively #7E  
Meter/Line ID - 94393**



**SITE DETAILS**

**Legals - Twn: 30N  
NMOCD Hazard Ranking: 0  
Operator: Lively Exploration**

**Rng: 8W**

**Sec: 35      Unit: L  
Land Type: BLM  
Pit Closure Date: 5/24/94**

**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 226 ppm; laboratory analysis indicated a TPH concentration of 58.2 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



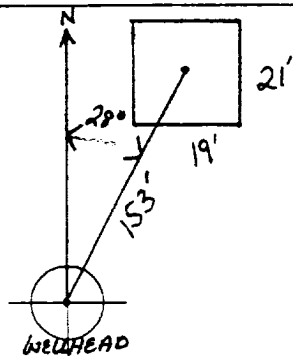
# FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>94393</u> Location: <u>LIVELY # 7E</u></p> <p>Operator #: <u>5670</u> Operator Name: <u>LIVELY EXPL. P/L</u> District: <u>BLOOMFIELD</u></p> <p>Coordinates: Letter: <u>L</u> Section <u>35</u> Township: <u>30</u> Range: <u>8</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>5-10-94</u> Area: <u>10</u> Run: <u>41</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 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 checked="" type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input 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) <input type="checkbox"/> (2) &gt; 100'</p> <p><b>TOTAL HAZARD RANKING SCORE:</b> <u>20</u> POINTS</p>
REMARKS	<p>Remarks : <u>TWO PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY.</u></p> <p><u>LOCATION IS ON A MESA NEXT TO ESCARBADA CANYON. REDLINE AND</u></p> <p><u>TOPO CONFIRMED LOCATION TO BE OUTSIDE THE U.Z.</u></p> <p style="text-align: right;"><b>PUSH IN</b></p>

## ORIGINAL PIT LOCATION

## ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 28° Footage from Wellhead 153'  
b) Length : 21' Width : 19' Depth : 2'



## REMARKS

Remarks :

TOOK PICTURES AT 7:44 A.M.

END DUMP

Completed By:

Robert Thompson

Signature

5.10.94

Date

# FIELD T REMEDIATION/CLOSURE FORM

GENERAL

Meter: 94393 Location: Lively #7E  
 Coordinates: Letter: L Section 35 Township: 30 Range: 8  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Date Started : 5-24-94 Area: 10 Run: 41

FIELD OBSERVATIONS

Sample Number(s): VW 143  
 Sample Depth: 4' Feet  
 Final PID Reading 226 PID Reading Depth 4' Feet  
 Yes No  
 Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth \_\_\_\_\_ Feet

CLOSURE

Remediation Method :  
 Excavation ☐ (1) Approx. Cubic Yards \_\_\_\_\_  
 Onsite Bioremediation ☐ (2)  
 Backfill Pit Without Excavation ☒ (3)  
 Soil Disposition:  
 Envirotech ☐ (1) ☐ (3) Tierra  
 Other Facility ☐ (2) Name: \_\_\_\_\_  
 Pit Closure Date: 5-24-94 Pit Closed By: BEZ

REMARKS

Remarks : EPN's line markers, 4' h.t sandstone  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature of Specialist: Vale Wilson



## FIELD SERVICES LABORATORY

### ANALYTICAL REPORT

### PIT CLOSURE PROJECT - Soil

#### SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	NW 143	945291
MTR CODE   SITE NAME:	94393	N/A
SAMPLE DATE   TIME (Hrs):	5-24-94	1050
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	5/26/94	5/26/94
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)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	6058.2	mg/kg JWS 6/12/94			2.12	28
HEADSPACE PID	224	PPM				
PERCENT SOLIDS	92.8	%				

— 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 Swindon*

Date:

6/16/94