

**EL PASO FIELD SERVICES**  
**PRODUCTION PIT CLOSURE** *Dehy*

San Juan 29-7 #78  
Meter/Line ID - 70298

*TRISK-bedrock*  
**RECEIVED**  
DEC 21 1994

**OIL CON. DIV.**  
ENCL 3

**SITE DETAILS**

Legals - Twn: 29N  
NMOCD Hazard Ranking: 0  
Operator: Burlington Res

Rng: 7W

Sec: 30

Unit: M

*N*

Land Type: BLM

Pit Closure Date: 8/4/94

*1/2 247 acres*

**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 3' where sandstone was encountered. The excavation was terminated at 3' 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 227 ppm; laboratory analysis indicated a TPH concentration of 4000 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 three 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**

<b>GENERAL</b>	<p>Meter: <u>70298</u> Location: <u>SAN JUAN 29-7 #78</u></p> <p>Operator #: _____ Operator Name: <u>BURLINGTON RES</u> P/L District: _____</p> <p>Coordinates: Letter: <u>M</u> Section <u>30</u> Township: <u>29</u> Range: <u>7</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>5-1-98</u> Area: <u>03</u> Run: <u>43</u></p>
<b>SITE ASSESSMENT</b>	<p><b>NMOCD Zone:</b> (From NMOCD Maps)</p> <p style="margin-left: 150px;">Inside <input type="checkbox"/> (1)</p> <p style="margin-left: 150px;">Outside <input checked="" type="checkbox"/> (2)</p> <p><b>Land Type:</b></p> <p style="margin-left: 150px;">BLM <input checked="" type="checkbox"/> (1)</p> <p style="margin-left: 150px;">State <input type="checkbox"/> (2)</p> <p style="margin-left: 150px;">Fee <input type="checkbox"/> (3)</p> <p style="margin-left: 150px;">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 type="checkbox"/> (2)</p> <p>Greater Than 100 Ft (0 points) <input checked="" 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?</p> <p style="text-align: center;"><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 checked="" 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) &lt; 100' (Navajo Pits Only)</p> <p style="margin-left: 150px;"><input type="checkbox"/> (2) &gt; 100'</p> <p>TOTAL HAZARD RANKING SCORE: <u>0</u> POINTS</p>
<b>REMARKS</b>	<p>Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. LOCATION IS IN A REMOTE AREA UP ON A HILL NEXT TO JASIS CANYON.</u></p>

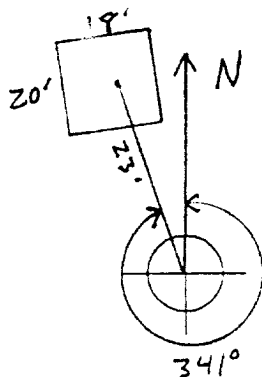
# FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>70298</u> Location: <u>San Juan</u> <sup>6-7-94 KGW</sup> <del>Unit</del> <u>29-7</u> Unit # <u>78</u>          Operator #: <u>2999</u> Operator Name: <u>Meridian</u> P/L District: <u>B</u>          Coordinates: Letter: <u>M</u> Section <u>30</u> Township: <u>29</u> Range: <u>7</u>          Or Latitude _____ Longitude _____          Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____          Site Assessment Date: <u>6-7-94</u> Area: <u>03</u> Run: <u>43</u></p>
SITE ASSESSMENT	<p><b>NMOCD Zone:</b>          (From NMOCD Maps) Inside <input checked="" 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 <u>Jas's Canyon</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>20</u> POINTS</p>
REMARKS	<p>Remarks : <u>Two pits on location one w/ Tank in it</u>  <u>Dehy pit is dry.</u>  <u>location inside v.z. on Redline</u>  <u># outside on Topo map</u></p> <p style="text-align: right;"><sup>6-10-94</sup> <del>RT</del> <del>DIG &amp; HALL</del> <del>PUSH IN</del></p>

## ORIGINAL PIT LOCATION

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Original F : a) Degrees from North 341 Footage from Wellhead 23  
b) Length : 20 Width : 18 Depth : 3



## REMARKS

Remarks :

Photos - 1235 hrs.

Completed By:

[Signature]

Signature

6-7-94

Date

# FIELD PIT REMEDIATION/CLOSURE FORM

<b>GENERAL</b>	<p>Meter: <u>70298</u> Location: <u>SAN JUAN 29-7 Unit # 78</u></p> <p>Coordinates: Letter: <u>M</u> Section <u>30</u> Township: <u>29</u> Range: <u>7</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>8-4-94</u> Run: <u>03</u> <u>43</u></p>
<b>FIELD OBSERVATIONS</b>	<p>Sample Number(s): <u>MK221</u> _____</p> <p>Sample Depth: <u>3</u> Feet</p> <p>Final PID Reading <u>227</u> PID Reading Depth <u>3'</u> Feet</p> <p style="text-align: center;">Yes      No</p> <p>Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet</p>
<b>CLOSURE</b>	<p>Remediation Method :</p> <p>Excavation <input type="checkbox"/> Approx. Cubic Yards _____</p> <p>Onsite Bioremediation <input type="checkbox"/></p> <p>Backfill Pit Without Excavation <input checked="" type="checkbox"/></p> <p>Soil Disposition:</p> <p>Envirotech <input type="checkbox"/> Tierra <input type="checkbox"/></p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>8-4-94</u> Pit Closed By: <u>BEI</u></p>
<b>REMARKS</b>	<p><b>Remarks :</b> <u>EPNL LINES NOT MARKED</u> <u>Soil Gray Slight</u></p> <p><u>Hydrocarbon odor Hit sandstone 3'</u></p> <p>_____</p> <p>_____</p>
	<p>Signature of Specialist: <u>Morgan Xillion</u></p>



**FIELD SERVICES LABORATORY  
ANALYTICAL REPORT  
PIT CLOSURE PROJECT - Soil**

**SAMPLE IDENTIFICATION**

	Field ID	Lab ID
SAMPLE NUMBER:	mk 221	945842
MTR CODE   SITE NAME:	70298	N/A
SAMPLE DATE   TIME (Hrs):	8-4-94	1110
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	8/9/94	8/9/94
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	VG	Grey fine 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)	4000	MG/KG			2.02	28
HEADSPACE PID	227	PPM				
PERCENT SOLIDS	94.4	%				

— 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.  
arrative:

DF = Dilution Factor Used

Approved By: QJP

Date: 8/12/94