

# EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

outside  
Risk  
Bedrock

San Juan 29-6 Unit #52A  
Meter/Line ID – 89701

## SITE DETAILS

Legals - Twn: 29N	Rng: 6W	Sec: 34	Unit: P
NMOCD Hazard Ranking: 10		Land Type: FEE	
Operator: Phillips		Pit Closure Date: 07/05/94	

## 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 on July 5, 1994, to six feet below ground surface and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit and ~~bedrock~~ was encountered at six feet below ground surface. 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 320 ppm; laboratory analysis indicated a TPH concentration of 66.2 mg/kg. The site was re-assessed on April 13, 1998, due to the original assessment that 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 six years.
- The pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Groundwater was not encountered in the excavation.
- Bedrock was encountered at 6 feet below ground surface; consequently, impact to groundwater is unlikely.
- Based on the Hazard Ranking Score, TPH was below the recommended remediation levels.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.

## ATTACHMENT

Field Pit Assessment Form

Revised Field Pit Assessment Form

Field Pit Remediation/Closure Form Phase I

Laboratory Analytical Results

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

<b>GENERAL</b>	<p>Meter: <u>89701</u> Location: <u>San Juan 29-6 Unit #52A</u></p> <p>Operator #: _____ Operator Name: _____ P/L District: _____</p> <p>Coordinates: Letter: <u>P</u> Section <u>34</u> Township: <u>29</u> Range: <u>6</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>4/13/98</u> Area: _____ Run: _____</p>
<b>SITE ASSESSMENT</b>	<p><b>NMOCD Zone:</b> (From NMOCD Maps) <span style="margin-left: 100px;"><b>Land Type:</b></span></p> <p style="margin-left: 100px;">Inside <input type="checkbox"/> (1)</p> <p style="margin-left: 100px;">Outside <input checked="" type="checkbox"/> (2)</p> <p style="margin-left: 100px;">BLM <input type="checkbox"/> (1)</p> <p style="margin-left: 100px;">State <input type="checkbox"/> (2)</p> <p style="margin-left: 100px;">Fee <input checked="" type="checkbox"/> (3)</p> <p style="margin-left: 100px;">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 checked="" type="checkbox"/> (2)</p> <p>Greater Than 100 Ft (0 points) <input 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) <span style="margin-left: 50px;"><input checked="" type="checkbox"/> (2) NO (0 points)</span></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 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 <span style="margin-left: 100px;"><input type="checkbox"/> (1) &lt; 100' (Navajo Pits Only)</span></p> <p style="margin-left: 100px;"><input type="checkbox"/> (2) &gt; 100'</p> <p><b>TOTAL HAZARD RANKING SCORE:</b> <u>10</u> <b>POINTS</b></p>
<b>REMARKS</b>	<p>Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is &lt;100' vertical from center of Fourmile Canyon</u></p>

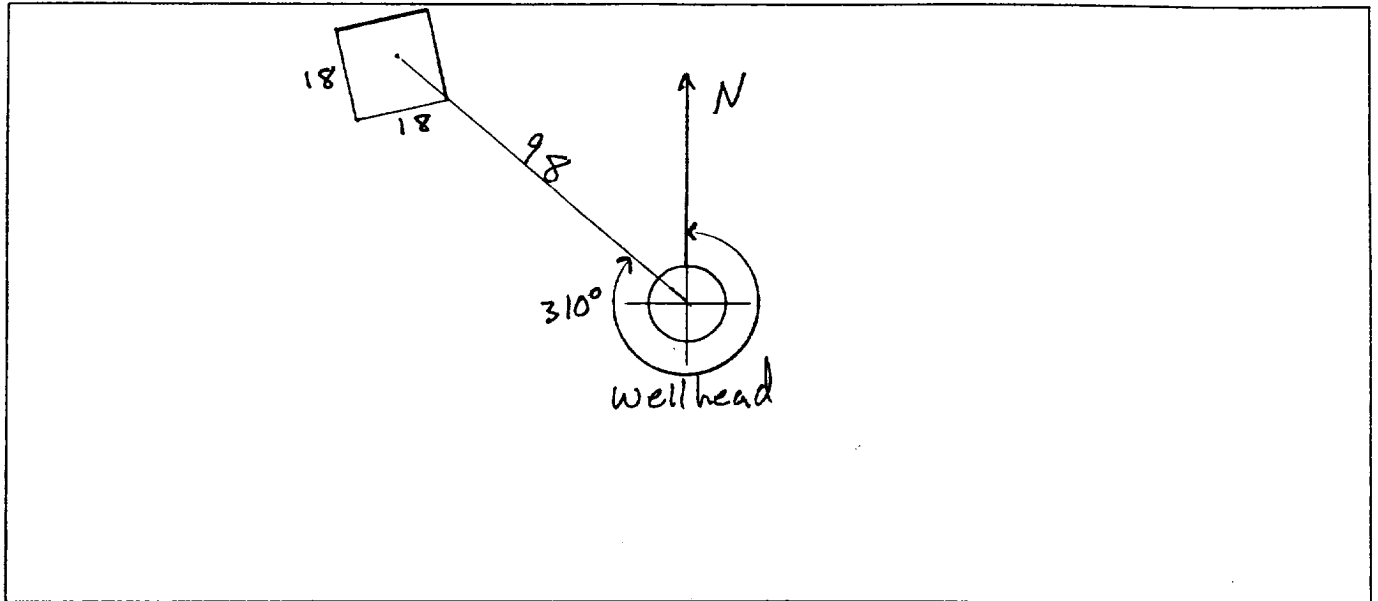
# FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>89701</u> Location: <u>San Juan 29-6 Unit #52A</u>          Operator #: <u>7035</u> Operator Name: <u>Phillips</u> P/L District: <u>Bloomfield</u>          Coordinates: Letter: <u>P</u> Section <u>34</u> Township: <u>29</u> Range: <u>6</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>10</u> Run: <u>91</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 type="checkbox"/> (1)          State <input type="checkbox"/> (2)          Fee <input checked="" 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)          Name of Surface Water Body <u>G Fourmile 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. Dehy pit is adjacent to meter house. Pit is dry</u>  <u>p location outside V.Z. on Redline &amp; Topo</u>  <u>DIG &amp; HAUL</u>  <u>DASH</u></p>

ORIGINAL PIT LOCATION

## ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 310 Footage from Wellhead 98  
b) Length : 18 Width : 18 Depth : 4



REMARKS

Remarks :

Photos 0908 hrs  
Boktail

Completed By:

Signature

6-7-94

Date

# FIELD PIT REMEDIATION/CLOSURE FORM

<b>GENERAL</b>	<p>Meter: <u>89701</u> Location: <u>SAN JUAN 29-6 Unit #529</u></p> <p>Coordinates: Letter: <u>P</u> Section <u>34</u> Township: <u>29</u> Range: <u>6</u></p> <p style="padding-left: 40px;">Or Latitude _____ Longitude _____</p> <p>Date Started : <u>7-5-94</u> Area: <u>10</u> Run: <u>91</u></p>
<b>FIELD OBSERVATIONS</b>	<p>Sample Number(s): <u>MK 84</u></p> <p>Sample Depth: <u>6'</u> Feet</p> <p>Final PID Reading <u>320</u> PID Reading Depth <u>6'</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>
<b>CLOSURE</b>	<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>7-5-94</u> Pit Closed By: <u>BEI</u></p>
<b>REMARKS</b>	<p>Remarks : <u>EPNGLines marked soil grayish black strong</u></p> <p><u>HYDROCARBON odor Hit Rock at 6'</u></p> <p>_____</p> <p>_____</p>
	<p>Signature of Specialist: <u>Morgan Killian</u></p>



## FIELD SERVICES LABORATORY

### ANALYTICAL REPORT

#### PIT CLOSURE PROJECT - Soil

#### SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	mk 84	945586
MTR CODE   SITE NAME:	89701	N/A
SAMPLE DATE   TIME (Hrs):	7-5-94	1535
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	7/7/94	7/7/94
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	VG	Brown/Gold 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)	66.2	MG/KG			2.02	28
HEADSPACE PID	320	PPM				
PERCENT SOLIDS	90.2	%				

— 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

12

7/14/94

# CHAIN OF CUSTODY RECORD

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

PROJECT NUMBER		PROJECT NAME		PROJECT ANALYSIS		REQUESTED ANALYSIS		CONTRACT LABORATORY P. O. NUMBER	
LAB ID		DATE		TIME		MATERIAL		SAMPLE NUMBER	
94		7-5-94		09:13		Soil		MK 78	
94		7-5-94		10:12		Soil		MK 79	
94		7-5-94		11:32		Soil		MK 80	
94		7-5-94		12:42		Soil		MK 81	
94		7-5-94		13:20		Soil		MK 82	
94		7-5-94		14:12		Soil		MK 83	
94		7-5-94		15:35		Soil		MK 84	
94		7-5-94		16:38		Soil		MK 85	
94		7-5-94		17:00		Soil		MK 86	
94		7-5-94		18:00		Soil		MK 87	
94		7-5-94		19:00		Soil		MK 88	
94		7-5-94		20:00		Soil		MK 89	
94		7-5-94		21:00		Soil		MK 90	
94		7-5-94		22:00		Soil		MK 91	
94		7-5-94		23:00		Soil		MK 92	
94		7-5-94		24:00		Soil		MK 93	
94		7-5-94		25:00		Soil		MK 94	
94		7-5-94		26:00		Soil		MK 95	
94		7-5-94		27:00		Soil		MK 96	
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