

**EL PASO FIELD SERVICES  
PRODUCTION PIT CLOSURE**

Oxnard B WN Fed Com #1  
Meter/Line ID - 70667

*Risk-based*

**RECEIVED**  
DEC 21 1999

**SITE DETAILS**

Legals - Twn: 27N  
NMOCD Hazard Ranking: 0  
Operator: Meridian

Rng: 8W

Sec: 14 Unit: M  
Land Type: BLM  
Pit Closure Date: 7/20/94

**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 4190 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

Meter: 70667 Location: Oxnard B WN Fed Com #1  
Operator #: \_\_\_\_\_ Operator Name: \_\_\_\_\_ P/L District: \_\_\_\_\_  
Coordinates: Letter: M Section 14 Township: 27 Range: 8  
Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Pit Type: Dehydrator \_\_\_\_\_ Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
Site Assessment Date: 12/10/97 Area: \_\_\_\_\_ Run: \_\_\_\_\_

SITE ASSESSMENT

**NMOCD Zone:**

(From NMOCD  
Maps)

Inside

Outside

**Land Type:**

☐ (1)

☒ (2)

BLM

☒ (1)

State

☐ (2)

Fee

☐ (3)

Indian

**Depth to Groundwater**

Less Than 50 Feet (20 points)

☐ (1)

50 Ft to 99 Ft (10 points)

☐ (2)

Greater Than 100 Ft (0 points)

☒ (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?

☐ (1) YES (20 points)

☒ (2) NO (0 points)

**Horizontal Distance to Surface Water Body**

Less Than 200 Ft (20 points)

☐ (1)

200 Ft to 1000 Ft (10 points)

☐ (2)

Greater Than 1000 Ft (0 points)

☒ (3)

Name of Surface Water Body \_\_\_\_\_

(Surface Water Body: Perennial Rivers, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

Distance to Nearest Ephemeral Stream

☐ (1) < 100' (Navajo Pits Only)

☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 0 POINTS

REMARKS

Remarks : Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is <1000' From Largo Canyon Wash

# FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 70667 Location: OXNARD B W N FEDERAL COM #1  
 Operator #: \_\_\_\_\_ Operator Name: MERIDIAN P/L District: BLANCO  
 Coordinates: Letter: M Section 14 Township: 27 Range: 8  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator ☒ Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: 1-10-95 Area: 13 Run: 31

SITE ASSESSMENT

**NMOCD Zone:**

(From NMOCD  
Maps)

inside  
Outside

**Land Type:**

BLM ☒ (1)  
 State ☐ (2)  
 Fee ☐ (3)  
 Indian \_\_\_\_\_

**Depth to Groundwater**

Less Than 50 Feet (20 points) ☐ (1)  
 50 Ft to 99 Ft (10 points) ☐ (2)  
 Greater Than 100 Ft (0 points) ☒ (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? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

**Horizontal Distance to Surface Water Body**

Less Than 200 Ft (20 points) ☐ (1)  
 200 Ft to 1000 Ft (10 points) ☐ (2)  
 Greater Than 1000 Ft (0 points) ☒ (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 ☐ (1) < 100' (Navajo Pits Only)  
☐ (2) > 100'

**TOTAL HAZARD RANKING SCORE:** 0 POINTS

REMARKS

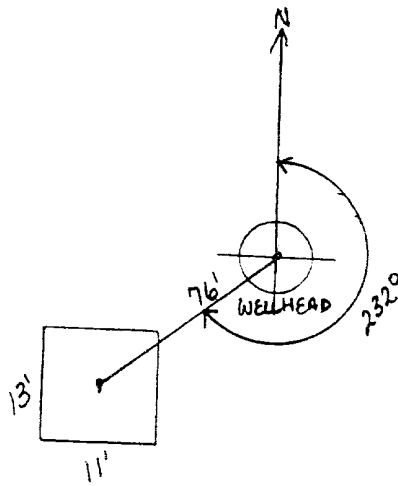
Remarks : REDLINE & TOPO SHOW LOCATION OUTSIDE V-Z. ONLY PIT ON LOCATION.  
BELONGS TO EPNG. WILL CLOSE PIT.

DICK 1A1

### ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 232° Footage from Wellhead 76  
b) Length : 13' Width : 11' Depth : 2'

ORIGINAL PIT LOCATION



REMARKS

Remarks :

PHOTOS- 1344

Completed By:

Robert Champion  
Signature

1-10-95

Date

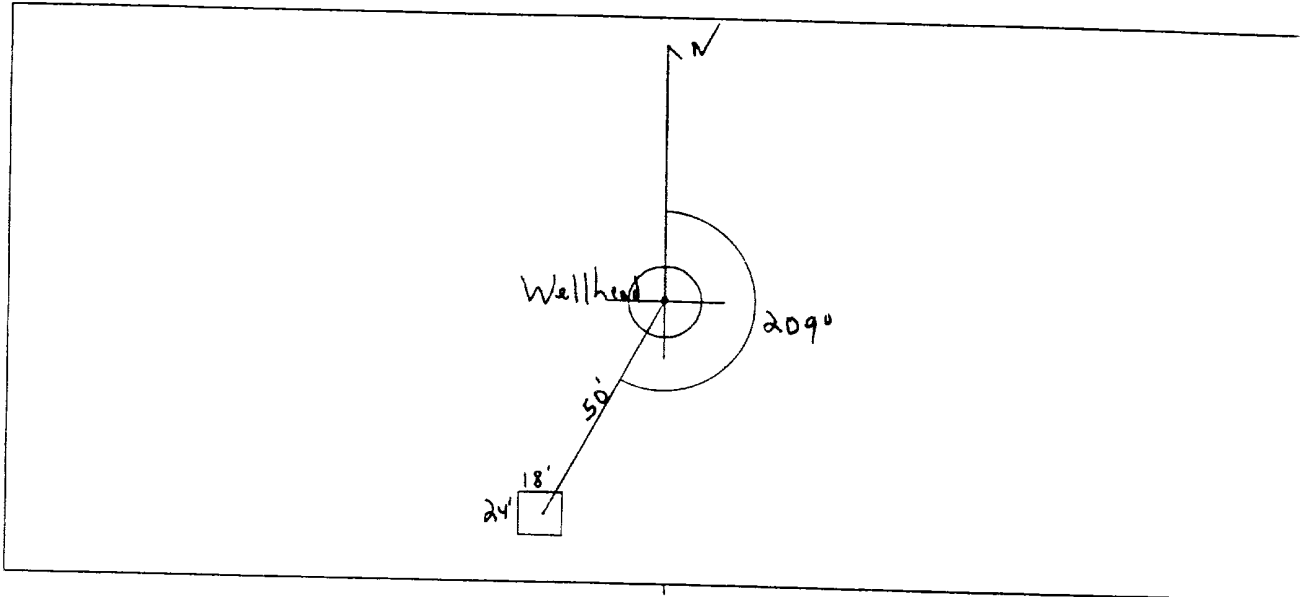
# FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>70667</u> Location: <u>OXNARD BWN Fed. COM No. 1</u>          Operator #: <u>1987</u> Operator Name: <u>MDI</u> P/L District: <u>Blanco</u>          Coordinates: Letter: <u>M</u> Section <u>14</u> Township: <u>27</u> Range: <u>8</u>          Or Latitude _____ Longitude _____          Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____          Site Assessment Date: <u>5/24/94</u> Area: <u>13</u> Run: <u>31</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 type="checkbox"/> (2)          Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>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) &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 &amp; Vuln - Outside</u>  <u>3 pits. Close 2. Pits Dry. (1 PC pit &amp; 1 MV pit)</u>  <u>PUSH-IN</u></p>

# ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 209° Footage from Wellhead 50  
 b) Length' : 24' Width : 18' Depth : 3'

ORIGINAL PIT LOCATION



REMARKS

Remarks :

Pictures @ 1237 (18-21)  
Dump Truck

Completed By:

Robert Thompson  
 Signature

5-21-94  
 Date

# FIELD PIT REMEDIATION/CLOSURE FORM

<b>GENERAL</b>	<p>Meter: <u>70667</u> Location: <u>OXNard B Wn Fed com #1</u></p> <p>Coordinates: Letter: <u>M</u> Section <u>14</u> Township: <u>27</u> Range: <u>8</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>7-20-94</u> Run: <u>13</u> <u>31</u></p>
<b>FIELD OBSERVATIONS</b>	<p>Sample Number(s): <u>NK166</u></p> <p>Sample Depth: <u>4'</u> Feet</p> <p>Final PID Reading <u>226</u> PID Reading Depth <u>4'</u> Feet</p> <p>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>7-20-94</u> Pit Closed By: <u>BET</u></p>
<b>REMARKS</b>	<p><b>Remarks :</b> <u>ENGINE not marked Soil Gray Strong</u></p> <p><u>Hydrocarbon odor Hit sandstone 4'</u></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 146	045727
MTR CODE   SITE NAME:	70667	N/A
SAMPLE DATE   TIME (Hrs):	7-20-94	1059
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	7-21-94	7/21/94
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	UG	DK Grey coarse 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)	4190	MG/KG			1.98	22
HEADSPACE PID	226	PPM				
PERCENT SOLIDS	89.9% <del>100%</del>	%				

- 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.  
Active:

DF = Dilution Factor Used

Approved By:

Date:

8/5/94



# FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 70667 Location: OXNARD B WA Federal com #1 (Pit #)  
 Coordinates: Letter: M Section 14 Township: 27 Range: 8  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Date Started : 2-8-95 Run: 13 31

FIELD OBSERVATIONS

Sample Number(s): mk 364  
 Sample Depth: 4' Feet  
 Final PID Reading 20 PID Reading Depth 4' 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: 2-8-95 Pit Closed By: BER

REMARKS

Remarks : Arrived Aug sample hole soil brown  
slight H<sub>2</sub>O<sub>2</sub> carbon odor Hit sandstone 4'

Signature of Specialist: Morgan Killion



**FIELD SERVICES LABORATORY  
ANALYTICAL REPORT**

**PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone**

**SAMPLE IDENTIFICATION**

	Field ID	Lab ID
SAMPLE NUMBER:	mk 364	946649
MTR CODE   SITE NAME:	70667	N/A
SAMPLE DATE   TIME (Hrs):	2-8-95	0900
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	2-10-95	2-10-95
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	VG	light Brown sand and clay

REMARKS:

**RESULTS**

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	2320	MG/KG			1.99	28
HEADSPACE PID	20	PPM				
PERCENT SOLIDS	93.5	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By: 

Date: 2-22-95