

**Meter Number:93885**

**Location Name:SCHLOSSER WN FEDERAL #5E**

**Location:TN-28 RG-11**

**SC-34 UL-F**

**2 - Federal**

**NMOCD Zone:OUTSIDE**

**Hazard Ranking Score:00**

**RATIONALE FOR RISK-BASED CLOSURE OF PRODUCTION PITS  
LOCATED OUTSIDE OF THE VULNERABLE ZONE  
IN THE SAN JUAN BASIN**

This production pit location was ranked according to the criteria in the New Mexico Oil Conservation Division's Unlined Surface Impoundment Closure Guidelines and received a ranking score of zero. The estimated depth to groundwater is greater than 100-feet beneath ground surface (bgs), the pit is not in a well head protection area, and there are no surface water bodies within 1,000 horizontal feet of the pit location.

The primary source, discharge to the pit has been removed. There has been no discharge to the pits for at least 4 years and the pits have been closed for at least one year.

Each pit was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Minimal infiltration of rainfall is expected. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching the residual hydrocarbons.

There is no source material at the ground surface, so direct contact of hydrocarbons with livestock and the populous is not likely.

In general, outside of the vulnerable area and alluvial valleys, bedrock material is generally encountered within 20 feet of the ground surface. Bedrock material in the San Juan Basin consists of interbedded sandstones, shales and clays. According to Freeze and Cherry, 1979, the hydraulic conductivity of the bedrock material are as follows:

Sandstone	$10^{-9}$ to $10^{-13}$ cm/sec
Shale	$10^{-12}$ to $10^{-16}$ cm/sec
Clay	$10^{-12}$ to $10^{-15}$ cm/sec

Based on this information, the residual hydrocarbons should not migrate to groundwater.

Natural process (bioremediation) are degrading the residual hydrocarbon to carbon dioxide and water and will continue until the source is gone, therefore minimizing any impact to the environment.

Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to affect human health and therefore El Paso Field Services Company (EPFS) requests closure of this pit location.

# FIELD PIT SITE ASSESSMENT FORM

**EPFES**  
EL PASO FIELD SERVICES

GENERAL

Meter: 93885 Location: Schlosser WN Federal No. 5E  
Operator #: 0286 Operator Name: Conaco P/L District: Angel Peak  
Coordinates: Letter: F Section 34 Township: 28 Range: 11  
Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Pit Type: Dehydrator ☒ Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
Site Assessment Date: 9/14/94 Area: 01 Run: 63

SITE ASSESSMENT

**NMOCD Zone:**  
(From NMOCD Maps)

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	_____

**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 Smc 9/14/94  
(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

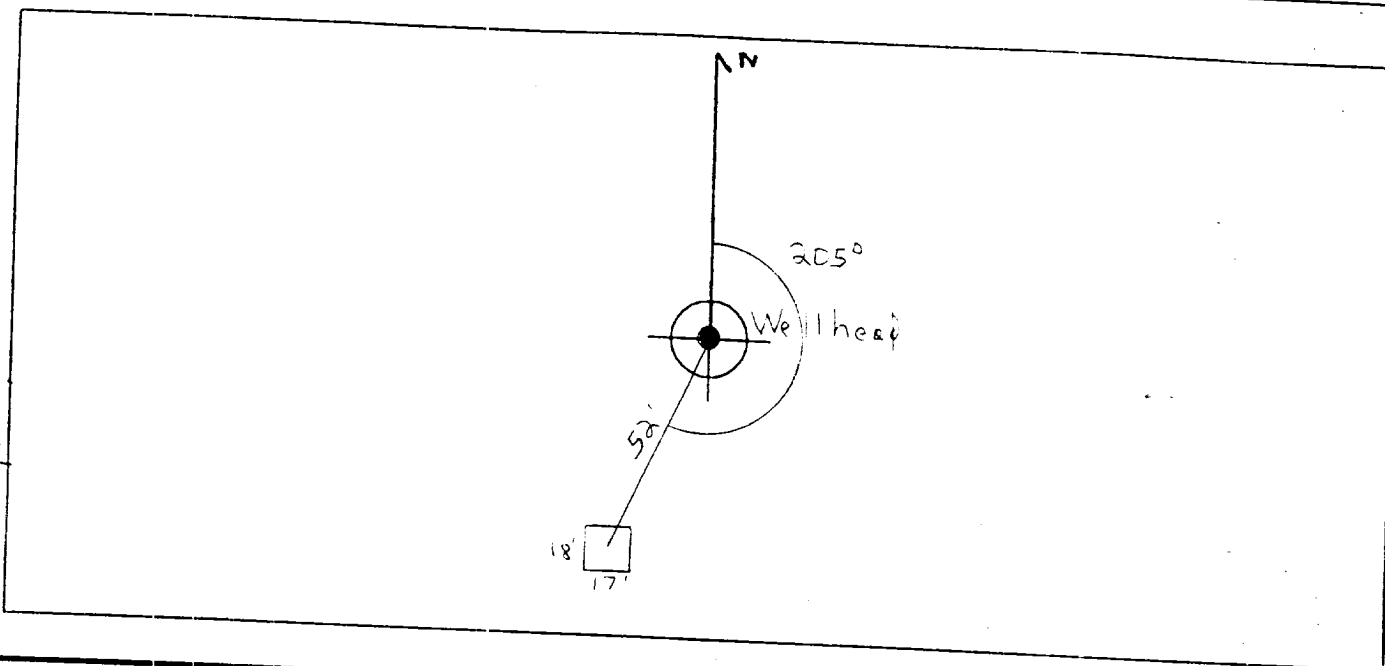
Remarks : Redline Book - Outside Vulnerable Zone Top - Outside  
2 pits. Will close 1. Pit dry

PUSH-IN

### ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 205° Footage from Wellhead 52'  
b) Length : 18' Width : 17' Depth : 7'

ORIGINAL PIT LOCATION



REMARKS

Remarks :

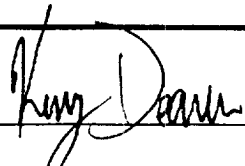
Pictures @ 1013 hr

Completed By:

Cory Chase  
Signature

9/14/94  
Date

# FIELD PIT REMEDIATION/CLOSURE FORM

<b>GENERAL</b>	Meter: <u>93885</u> Location: <u>Schlusser WN Federal #5E</u> Coordinates: Letter: <u>E</u> Section <u>34</u> Township: <u>28</u> Range: <u>11</u> Or Latitude _____ Longitude _____ Date Started : <u>10/5/94</u> Run: <u>01</u> <u>63</u>
<b>FIELD OBSERVATIONS</b>	Sample Number(s): <u>KD 318</u> Sample Depth: <u>7'</u> Feet Final PID Reading <u>44 ppm</u> PID Reading Depth <u>7'</u> Feet <div style="text-align: center;">Yes      No</div> Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet
<b>CLOSURE</b>	Remediation Method : <div style="display: flex; justify-content: space-between;"> <div>           Excavation            Onsite Bioremediation            Backfill Pit Without Excavation         </div> <div style="text-align: right;"> <input type="checkbox"/> Approx. Cubic Yards _____  <input type="checkbox"/>  <input checked="" type="checkbox"/> </div> </div> Soil Disposition: <div style="display: flex; justify-content: space-between;"> <div>           Envirotech <input type="checkbox"/>            Other Facility <input type="checkbox"/> </div> <div> <input type="checkbox"/> Tierra            Name: _____         </div> </div> Pit Closure Date: <u>10/5/94</u> Pit Closed By: <u>BEI</u>
<b>REMARKS</b>	Remarks : <u>Dug test Hole to 7', Hit Sandstone, Took pid</u> <u>Sample, closed pit.</u>
	Signature of Specialist: <u></u>



## FIELD SERVICES LABORATORY

### ANALYTICAL REPORT

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

#### SAMPLE IDENTIFICATION

SAMPLE NUMBER:

Field ID

Lab ID

MTR CODE | SITE NAME:

SAMPLE DATE | TIME (Hrs):

SAMPLED BY:

DATE OF TPH EXT. | ANAL.:

DATE OF BTEX EXT. | ANAL.:

TYPE | DESCRIPTION:

KD 318

946334

RLB 9/26/95  
93855 93885

N/A

10/5/94

1455

N/A

10-6-94

N/A

N/A

VF

Brown / Grey Sand & clay

REMARKS:

#### RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	782	MG/KG			2.05	2F
HEADSPACE PID	44	PPM				
PERCENT SOLIDS	90.8	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

10-13-94

\*\*\*\*\*  
 Test Method for  
 Oil and Grease and Petroleum Hydrocarbons  
 in Water and Soil  
 Perkin-Elmer Model 1600 FT-IR  
 Analysis Report  
 \*\*\*\*\*

14/10/06 11:57

Sample Identification  
 15534

Sample Name: 15534  
 SEC

Sample Description: 15534  
 15534

Sample Location: 15534  
 15534

