

# EL PASO FIELD SERVICES

## PRODUCTION PIT CLOSURE

OK

**Maddox WN Federal #3**  
**Meter/Line ID – 75239**

---

### SITE DETAILS

<b>Legals - Twn: 30N</b>	<b>Rng: 13W</b>	<b>Sec: 24</b>	<b>Unit: A</b>
<b>NMOCD Hazard Ranking: 10</b>		<b>Land Type: BLM</b>	
<b>Operator: Conoco</b>		<b>Pit Closure Date: 04/19/94</b>	

---

### **RATIONALE FOR 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 five feet below ground surface and a soil sample was collected for field headspace analysis and laboratory analysis for benzene, total BTEX, and TPH. Groundwater was not encountered in the test pit and bedrock was encountered at five feet below ground surface. The test 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 305 ppm; laboratory analysis indicated a benzene concentration of <1.0 mg/kg, a total BTEX concentration of 11.1 mg/kg, and a TPH concentration of 14.6 mg/kg. This site was re-assessed on April 8, 1998, because the initial assessment 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 test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Groundwater was not encountered in the test excavation and is estimated to be greater than 50 feet.
- Bedrock was encountered at five feet below ground surface making further remediation impractical; therefore, impact to groundwater is unlikely.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Based on the Hazard Ranking Score, benzene, total BTEX, and TPH concentrations were below required remediation levels.

### 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: 75239 Location: Maddox WN Federal #3  
 Operator #: \_\_\_\_\_ Operator Name: \_\_\_\_\_ P/L District: \_\_\_\_\_  
 Coordinates: Letter: A Section 24 Township: 30 Range: 13  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator \_\_\_\_\_ Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: 4/8/98 Area: \_\_\_\_\_ Run: \_\_\_\_\_

SITE ASSESSMENT

**NMOCD Zone:**

(From NMOCD  
Maps)

Inside

Outside

**Land Type:**

☐ (1)

☒ (2)

BLM

State

Fee

Indian

☒ (1)

☐ (2)

☐ (3)

**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: 10 POINTS

REMARKS

Remarks : Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is < 100' From center of Head Arroyo

# FIELD PIT SITE ASSESSMENT FORM

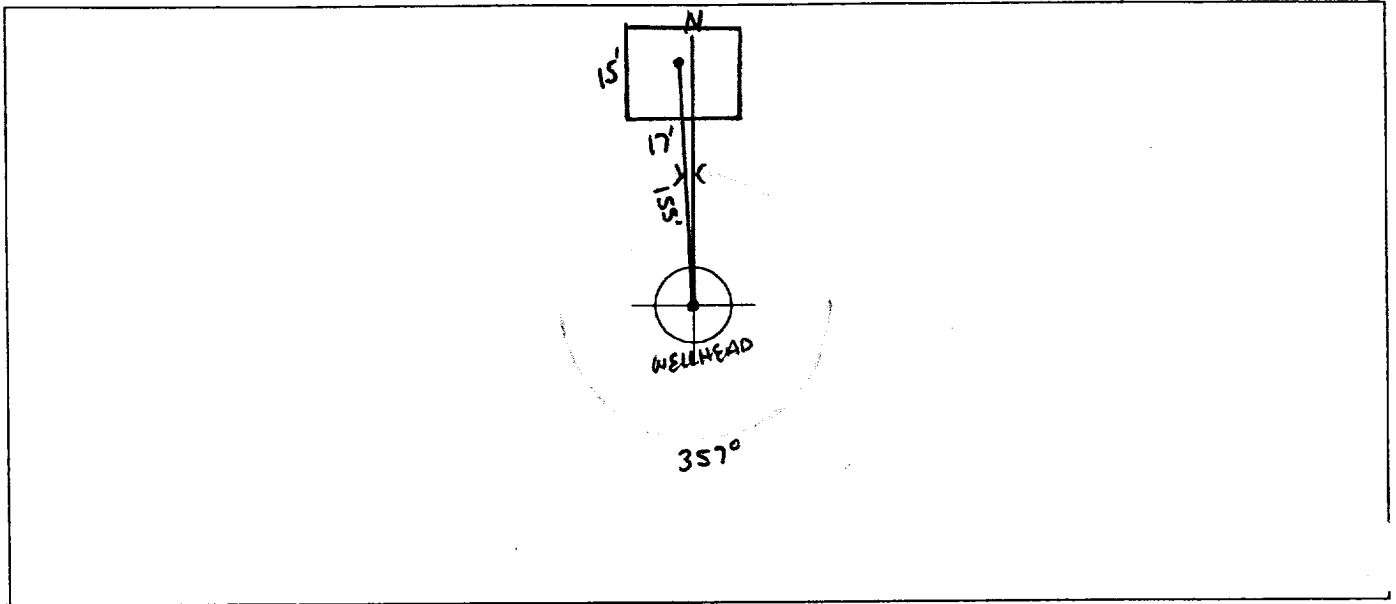


GENERAL	<p>Meter: <u>75239</u> Location: <u>MADDOX WN FEDERAL #3</u></p> <p>Operator #: <u>0286</u> Operator Name: <u>CONOCO</u> P/L District: <u>KUTZ</u></p> <p>Coordinates: Letter: <u>A</u> Section <u>24</u> Township: <u>30</u> Range: <u>13</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Visit Date: <u>3.24.94</u> Run: <u>02</u> <u>31</u></p>
SITE ASSESSMENT	<p><b>NMOCD Zone:</b> Inside <input type="checkbox"/> Land Type: BLM <input checked="" type="checkbox"/>          (From NMOCD Vulnerable <input type="checkbox"/>          Maps) Zone <input checked="" type="checkbox"/> State <input type="checkbox"/>          Outside <input type="checkbox"/> Fee <input type="checkbox"/>          Indian _____</p> <p><b>Depth to Groundwater</b></p> <p>Less Than 50 Feet (20 points) <input type="checkbox"/>          50 Ft to 99 Ft (10 points) <input type="checkbox"/>          Greater Than 100 Ft (0 points) <input checked="" type="checkbox"/></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? <input type="checkbox"/> YES (20 points) <input checked="" type="checkbox"/> NO (0 points)</p> <p><b>Horizontal Distance to Surface Water Body</b></p> <p>Less Than 200 Ft (20 points) <input type="checkbox"/>          200 Ft to 1000 Ft (10 points) <input type="checkbox"/>          Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/></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><b>TOTAL HAZARD RANKING SCORE:</b> <u>0</u> POINTS</p>
REMARKS	<p>Remarks : <u>TWO PITS ON LOCATION WILL CLOSE ONLY ONE PIT IS DRY.</u></p>

ORIGINAL PIT LOCATION

## ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 357° Footage to Wellhead 155'  
b) Degrees from North \_\_\_\_\_ Footage to Dogleg \_\_\_\_\_  
Dogleg Name \_\_\_\_\_  
c) Length : 17' Width : 15' Depth : 2'



REMARKS

## Remarks :

STARTED TAKING PICTURES AT 1:44 P.M.END DUMP

Completed By:

Bob Thompson  
Signature

3.24.94  
Date

4.22.94  
RT

## FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 75239 Location: MADDOX WNI FEDERAL #3  
 Operator #: \_\_\_\_\_ Operator Name: \_\_\_\_\_ P/L District: \_\_\_\_\_  
 Coordinates: Letter: \_\_\_\_\_ Section \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator \_\_\_\_\_ Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: \_\_\_\_\_ Area: 02 Run: 31

SITE ASSESSMENT

**NMOCD Zone:**

(From NMOCD  
Maps)

Inside

Outside

**Land Type:**

BLM

State

Fee

Indian

☐ (1)

☐ (2)

☐ (3)

☐ (1)

☒ (2)

**Depth to Groundwater**

Less Than 50 Feet (20 points)

50 Ft to 99 Ft (10 points)

Greater Than 100 Ft (0 points)

☐ (1)

☒ (2)

☐ (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)

200 Ft to 1000 Ft (10 points)

Greater Than 1000 Ft (0 points)

☐ (1)

☐ (2)

☐ (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: 10 POINTS**

REMARKS

Remarks : \_\_\_\_\_

# FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 75234 Location: Mudbox W/N Federal #3  
 Coordinates: Letter: A Section 24 Township: 30 Range: 13  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Date Started : 4-19-94 Area: 02 Run: 31

FIELD OBSERVATIONS

940827

Sample Number(s): 1W12  
 Sample Depth: 5 Feet  
 Final PID Reading 305 PID Reading Depth 5 Feet  
 Yes No  
 Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth 5 Feet

CLOSURE

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 15  
 Onsite Bioremediation ☐ (2)  
 Backfill Pit Without Excavation ☐ (3)

Soil Disposition:  
 Envirotech ☐ (1) ☒ (3) Tierra  
 Other Facility ☐ (2) Name: \_\_\_\_\_

Pit Closure Date: 4-19-94 Pit Closed By: BEI

REMARKS

Remarks : Hole pretty contaminated. Hit Rock at 5 ft.

Signature of Specialist: Vale Wilson / STP (4/21/94)



FIELD SERVICES LABORATORY  
ANALYTICAL REPORT  
PIT CLOSURE PROJECT - Soil

changed to  
outside SWZ

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW12	940827
MTR CODE   SITE NAME:	75239	N/A
SAMPLE DATE   TIME (Hrs):	4/19/94	1400
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	4-22-94	4-22-94
DATE OF BTEX EXT.   ANAL.:	4/25/94	4/25/94
TYPE   DESCRIPTION:	VC	Brown Coarse Sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	21.0	MG/KG	20			
TOLUENE	3.26	MG/KG	20	B		
ETHYL BENZENE	21.0	MG/KG	20			
TOTAL XYLENES	7.85	MG/KG	20			
TOTAL BTEX	11.1	MG/KG	0.00939		2.13	20
TPH (418.1)	15 14.6	MG/KG			2.03	28
HEADSPACE PID	305	PPM				
PERCENT SOLIDS	92.2	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 100.8 % for this sample All QA/QC was acceptable.  
ative:

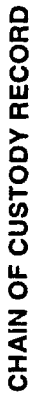
DF = Dilution Factor Used

Approved By:

*John Landrum*

Date:

5/17/94



White - Testing Laboratory    Canary - EPNG Lab    Pink - Field Sampler