

# EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

OK

Canada Mesa Com #4E DK  
Meter/Line ID - 03909

## SITE DETAILS

Legals - Twn: 24N  
NMOCD Hazard Ranking: 40  
Operator: Merrion

Rng: 6W

Sec: 10 Unit: F  
Land Type: Navajo  
Pit Closure Date: 11/09/95

OK Shows  
Ferm...  
Fee Fee

## 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 8 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. 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 4.5 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, total BTEX concentration of 0.3 mg/kg, and a TPH concentration of <10 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 almost five years.
- Groundwater was not encountered in the test excavation.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Based on the Hazard Ranking Score, benzene, total BTEX, and TPH were below required remediation levels.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.

## ATTACHMENT

Field Pit Assessment Form

Field Pit Remediation/Closure Form

Laboratory Analytical Results.

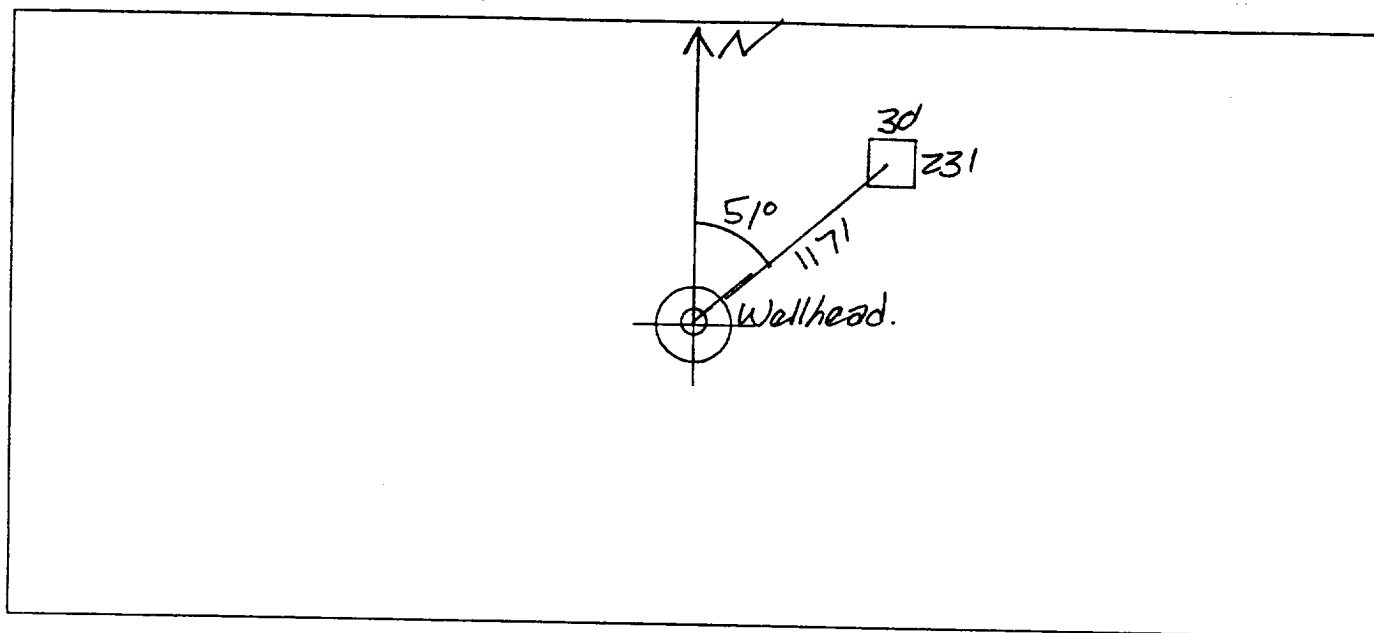
# FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>03-909</u> Location: <u>Canada Mesa Com #4E DK</u>          Operator #: <u>5997</u> Operator Name: <u>Merrion</u> P/L District: <u>Ballard</u>          Coordinates: Letter: <u>E</u> Section <u>10</u> Township: <u>24</u> Range: <u>6</u>          Or Latitude _____ Longitude <u>7</u>          Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____          Site Assessment Date: <u>1/18/95</u> Area: <u>07</u> Run: <u>42</u></p>
SITE ASSESSMENT	<p><b>NMOCD Zone:</b> (From NMOCD Maps) Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)</p> <p><b>Land Type:</b> BLM <input type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian <u>Navajo</u></p> <p><b>Depth to Groundwater</b>          Less Than 50 Feet (20 points) <input checked="" type="checkbox"/> (1)          50 Ft to 99 Ft (10 points) <input 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 checked="" type="checkbox"/> (1)          200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2)          Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3)          Name of Surface Water Body <u>Tafoya 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 checked="" type="checkbox"/> (2) &gt; 100'</p> <p><b>TOTAL HAZARD RANKING SCORE:</b> <u>40</u> POINTS</p>
REMARKS	<p>Remarks : <u>Vulnerable Zone Topo: Inside</u>  <u>Five pits, dehy pit is dry. Will close one pit.</u>  <u>DIG &amp; Haul</u></p>

ORIGINAL PIT LOCATION

## ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 51° Footage from Wellhead 117'  
b) Length : 30' Width : 23' Depth : 4'



REMARKS

Remarks :

Pictures at 1325.Dump Truck

Completed By:

Sarah Kelly

Signature

1/18/95

Date

# FIELD PIT REMEDIATION/CLOSURE FORM

## GENERAL

Meter: 03-909 Location: Canach Mesa Com #4E DK

Coordinates: Letter: F Section 10 Township: 24 Range: 6

Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Date Started : 11/1/95 Run: 07 42

## FIELD OBSERVATIONS

Sample Number(s): JX118

Sample Depth: 8' Feet

Final PID Reading 4.5

PID Reading Depth 8' Feet

Yes No

Groundwater Encountered ☐ ☒

Approximate Depth \_\_\_\_\_ Feet

## CLOSURE

Remediation Method :

Excavation

☐ Approx. Cubic Yards 0 or 11/13/95

Onsite Bioremediation

☐ Approved for Closure by Jim Walker 11-6-95

Backfill Pit Without Excavation ☒

Soil Disposition:

Envirotech ☐

☐ Tierra

Other Facility ☐ Name: \_\_\_\_\_

Pit Closure Date: 11-9-95

Pit Closed By: Philip

## REMARKS

Remarks : Did not Excavate  
Fence size 33x26x8' set  
More Than 100' From Ephemeral stream Yes 858 sq ft.

Signature of Specialist: [Signature]



FIELD SERVICES LABORATORY  
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JK118	947722
MTR CODE   SITE NAME:	03909	Canada Mesa Com #4E DK
SAMPLE DATE   TIME (Hrs):	11-1-95	1130
PROJECT:	Phase I Navajo	
DATE OF TPH EXT.   ANAL.:	11/3/95	
DATE OF BTEX EXT.   ANAL.:	11/2/95	11/2/95
TYPE   DESCRIPTION:	YG	BROWN SANDY CLAY

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 0.5	MG/KG				
TOLUENE	< 0.5	MG/KG				
ETHYL BENZENE	< 0.5	MG/KG				
TOTAL XYLENES	< 1.5	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	< 10	MG/KG			216	28
HEADSPACE PID	4.5	PPM				
PERCENT SOLIDS	92.5	%				

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

The Surrogate Recovery was at 102% for this sample All QA/QC was acceptable.  
Narrative:

DF = Dilution Factor Used

Approved By: J.F.

Date: 11/7/95

# BTEX SOIL SAMPLE WORKSHEET

File : 947722  
Soil Mass (g) : 5.04  
Extraction vol. (mL) : 10  
Shot Volume (uL) : 50

Date Printed : 11/3/95  
Multiplier (L/g) : 0.00099  
CAL FACTOR (Analytical): 200  
CAL FACTOR (Report): 0.19841

Benzene (ug/L) : 0.00  
Toluene (ug/L) : 1.07  
Ethylbenzene (ug/L) : 0.00  
p & m-xylene (ug/L) : 1.09  
o-xylene (ug/L) : 0.24

	DILUTION FACTOR:	1	Det. Limit
Benzene (mg/Kg):	0.000	0.496	
Toluene (mg/Kg):	0.212	0.496	
Ethylbenzene (mg/Kg):	0.000	0.496	
p & m-xylene (mg/Kg):	0.216	0.992	
o-xylene (mg/Kg):	0.048	0.496	
Total xylenes (mg/Kg):	0.264	1.488	
Total BTEX (mg/Kg):	0.476		