

**EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE**

RISK - BTEX TPH
BTEX TPH

Yarborough Federal #1
Meter/Line ID - 94461

RECEIVED
NOV - 2 1999

SITE DETAILS

Legals - Twn: 23N
NMOCD Hazard Ranking: 0
Operator: Merrion Oil & Gas

Rng: 6W

Sec: 3 Unit: J

Land Type: BLM

Pit Closure Date: 10/7/94

OIL CON. DIV.
DIST. 3

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.

Sandstone was encountered in the test pit at a depth of eight feet. The excavation was terminated and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit. The test pit was then backfilled and the pit area graded in a manner to divert precipitation away from the pit area. Headspace analysis indicated an organic vapor content of 191 mg/kg; laboratory analysis indicated a TPH concentration of 10,800 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 four years.
- Bedrock was encountered at eight feet below ground surface making remediation impracticable.
- 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 potential receptors located within 1,000 feet of the site.
- Residual hydrocarbons in the soil will degrade by natural attenuation with minimal risk to the environment.

ATTACHMENTS

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: 94461 Location: Yarborough Federal # 1
 Operator #: _____ Operator Name: _____ P/L District: _____
 Coordinates: Letter: J Section 3 Township: 23 Range: 6
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____
 Site Assessment Date: 4/13/98 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)

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, 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 < 100' vertical from center of Escrito Canyon.

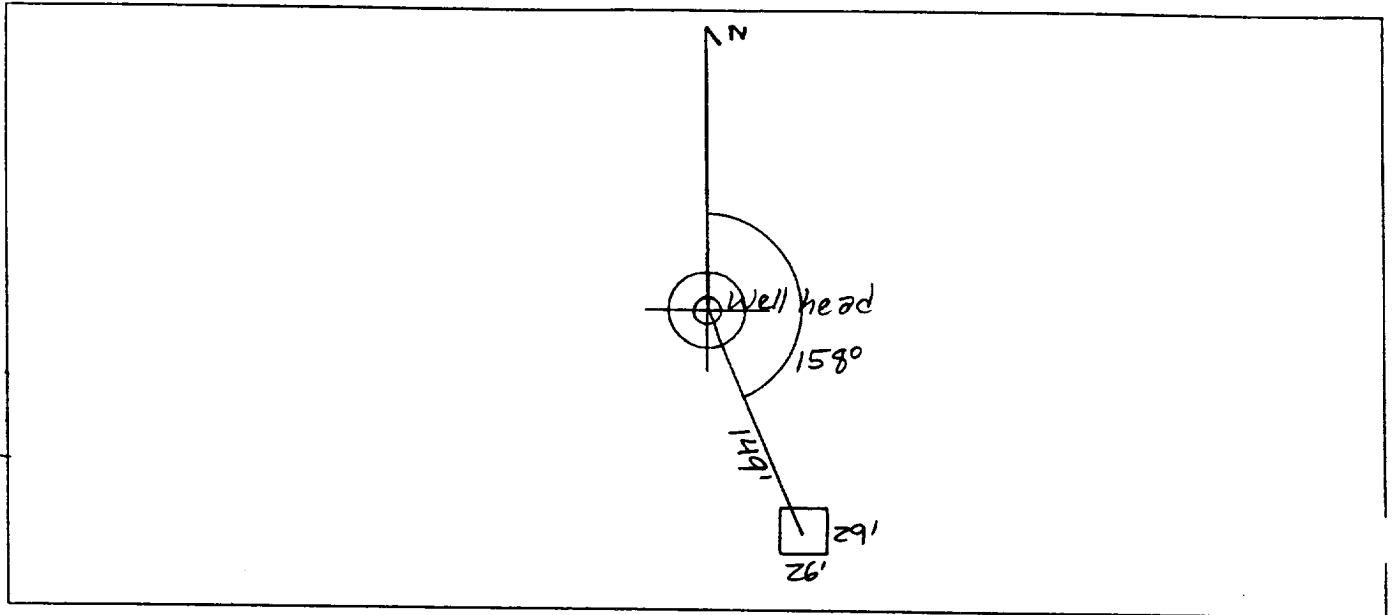
FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: <u>94-461</u> Location: <u>Yarborough Federal #1</u> Operator #: <u>5997</u> Operator Name: <u>Merrion</u> P/L District: <u>Ballard</u> Coordinates: Letter: <u>J</u> Section <u>3</u> Township: <u>23</u> Range: <u>6</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____ Site Assessment Date: <u>8/1/94</u> Area: <u>07</u> Run: <u>P-1</u>	
	NMOCD Zone: (From NMOCD Maps) Inside <input type="checkbox"/> (1) Outside <input checked="" type="checkbox"/> (2) Land Type: BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____ Depth to Groundwater 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) 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? <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points) Horizontal Distance to Surface Water Body 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>Escrito 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) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100' TOTAL HAZARD RANKING SCORE: <u>20</u> POINTS	
SITE ASSESSMENT		
REMARKS	Remarks : <u>Redline Book - Not given</u> Vulnerable Zone Type: <u>Outside</u> <u>Two pits on site, pit has rainwater in it, will close one pit.</u> <u>PUSH - IN</u>	

ORIGINAL PIT LOCATION

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Original Pit : a) Degrees from North 158° Footage from Wellhead 149'
b) Length : 26' Width : 29' Depth : 4'



REMARKS

Remarks :

Pictures @ 1159 (5-8, Roll I)

Dump Truck

Site has a low flow meter.

Completed By:

David Kelly

Signature

1/1/94

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: <u>94461</u> Location: <u>Yarborough Fed #1</u> Coordinates: Letter: <u>J</u> Section <u>3</u> Township: <u>23</u> Range: <u>6</u> Or Latitude _____ Longitude _____ Date Started : <u>10-7-94</u> Run: <u>07</u> <u>P-1</u>
FIELD OBSERVATIONS	Sample Number(s): <u>VW 388</u> Sample Depth: <u>8'</u> Feet Final PID Reading <u>191</u> PID Reading Depth <u>8'</u> Feet Groundwater Encountered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Approximate Depth _____ Feet
CLOSURE	Remediation Method : <div style="display: flex; justify-content: space-between;"> <div> Excavation <input type="checkbox"/> Onsite Bioremediation <input type="checkbox"/> Backfill Pit Without Excavation <input checked="" type="checkbox"/> </div> <div> Approx. Cubic Yards _____ <input type="checkbox"/> Tierra Name: _____ </div> </div> Soil Disposition: Envirotech <input type="checkbox"/> <input type="checkbox"/> Tierra Other Facility <input type="checkbox"/> Name: _____ Pit Closure Date: <u>10-7-94</u> Pit Closed By: <u>BEZ</u>
REMARKS	Remarks : <u>8' sandstone</u> <u>20 yds Fill</u> _____ _____
	Signature of Specialist: <u>Vale Wilson</u>



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW 388	946370
MTR CODE SITE NAME:	94461	N/A
SAMPLE DATE TIME (Hrs):	10-7-94	1445
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	10-13-94	
DATE OF BTEX EXT. ANAL.:	N/A	N/A
TYPE DESCRIPTION:	VG	Dark brown sand & clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	10800	MG/KG			1.54	
HEADSPACE PID	191	PPM				
PERCENT SOLIDS	86.5	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

10/23/94



Page _____ of _____

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