

Cut side *REL*

EL PASO FIELD SERVICES PIT CLOSURE REPORT

MARSHALL A #1
Meter/Line ID - 71401

SITE DETAILS

Legals - Twn: 27 Rng: 9
NMOCD Hazard Ranking: 10
Operator: Texaco

Sec: 14 Unit: D
Land Type: BLM
Pit Closure Date: 9/13/94

NOV - 2
611
6100
6100

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 12 feet and a soil sample was collected for 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 106 ppm; laboratory analysis indicated a TPH concentration of 42.7 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 four years
- 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
Chain of Custody

Field Pit Assessment Form
Laboratory Analytical Results

REVISED FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: <u>71401</u> Location: <u>Marshall A #1</u> Operator #: _____ Operator Name: _____ P/L District: _____ Coordinates: Letter: <u>D</u> Section <u>14</u> Township: <u>27</u> Range: <u>9</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: <u>12/18/97</u> Area: _____ Run: _____	
	NMOCD Zone: (From NMOCD Maps)	
SITE ASSESSMENT	Inside _____ (1) Outside <input checked="" type="checkbox"/> (2)	Land Type: BLM <input checked="" type="checkbox"/> (1) State _____ (2) Fee _____ (3) Indian _____
	Depth to Groundwater Less Than 50 Feet (20 points) _____ (1) 50 Ft to 99 Ft (10 points) <input checked="" type="checkbox"/> (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) <input checked="" type="checkbox"/> (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) <input checked="" type="checkbox"/> (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: <u>10</u> POINTS	
	Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is >1000' From the center of Jaquez Canyon Wash.</u>	
	REMARKS	

FIELD PIT SITE ASSESSMENT FORM

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GENERAL

Meter: 71401 Location: Marshall A Well No. 1
 Operator #: 0263 Operator Name: Texaco P/L District: Ballard
 Coordinates: Letter: D Section 14 Township: 2-7 Range: 9
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Assessment Date: 6-15-94 Area: 11 Run: 71

SITE ASSESSMENT

NMOCD Zone:

(From NMOCD Maps)

Inside
Outside

☐ (1)
☒ (2)

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 Jaquez Canyon

(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: 20 POINTS

REMARKS

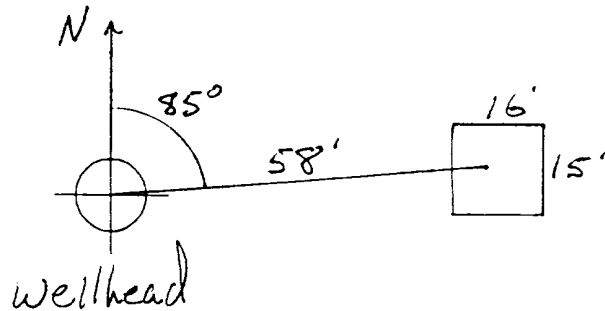
Remarks : one pit - dry

Outside V.Z. on Redline & Topo

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 85 Footage from Wellhead 58'
b) Length : 16 Width : 15 Depth : 3

ORIGINAL PIT LOCATION



Remarks :

Photos - 0846

REMARKS

Completed By:

[Signature]

Signature

6-15-94

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>71401</u> Location: <u>Marshall A Well # 1</u></p> <p>Coordinates: Letter: <u>D</u> Section <u>14</u> Township: <u>27</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>9-13-94</u> Run: <u>11</u> <u>71</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>VW 274</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>106</u> PID Reading Depth <u>12'</u> Feet</p> <p style="text-align: center;">Yes No</p> <p>Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet</p>
CLOSURE	<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"/> <input type="checkbox"/> Tierra</p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>9-13-94</u> Pit Closec By: <u>BEI</u></p>
REMARKS	<p>Remarks : _____ <u>10 yds EV</u></p> <p>_____</p> <p>_____</p>
	<p>Signature of Specialist: <u>Vale Wilson</u></p>



CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER		PROJECT NAME		PROJECT ANALYSIS		REQUESTED ANALYSIS		CONTRACT LABORATORY P. O. NUMBER	
SAMPLES: (Signature)		DATE		DATE		DATE		DATE	
LAB ID		TIME		MATRIX		SAMPLE NUMBER		REMARKS	
74	6114	9-13-94	1100	Soil	VW275	1	V6	X	245
74	6117	9-13-94	1230	Soil	VW276	1	V6	X	246
74	6118	9-13-94	1315	Soil	VW277	1	V6	X	247
74	6119	9-13-94	1400	Soil	VW278	1	V6	X	248
74	6120	9-13-94	1510	Soil	VW279	1	V6	X	249
74	6121	9-13-94	1545	Soil	VW280	1	V6	X	250
[Signature]									
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)	
Vale Wilson		9-13-94 1717		Brenda Liss		9-14-94 1010		[Signature]	
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)	
[Signature]		[Signature]		[Signature]		[Signature]		[Signature]	
REQUESTED TURNAROUND TIME:		ROUTINE <input type="checkbox"/> RUSH <input type="checkbox"/>		SAMPLE RECEIPT REMARKS		RESULTS & INVOICES TO:		505-599-2144	
CARRIER CO.		CHARGE CODE		FIELD SERVICES LABORATORY		EL PASO NATURAL GAS COMPANY		P.O. BOX 4990	
BILL NO.:		FARMINGTON, NEW MEXICO 87499		FAX: 505-599-2261					

Enbridge Natural Gas Company

FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW 279	946120
MTR CODE SITE NAME:	71401	N/A
SAMPLE DATE TIME (Hrs):	9-13-94	1510
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL:	9-15-94	9-15-94
DATE OF BTEX EXT. ANAL:	N/A	N/A
TYPE DESCRIPTION:	VG	Brown fine Sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	42.7	MG/KG			2.08	28
HEADSPACE PID	106	PPM				
PERCENT SOLIDS	91.9	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

[Signature]

Date:

9/30/94

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

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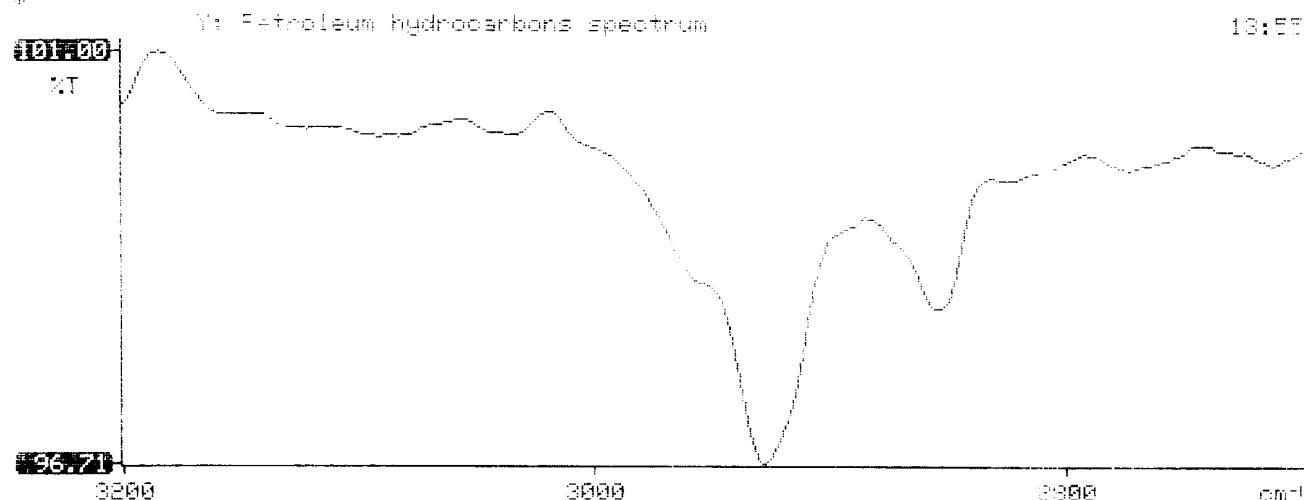
* Sample identification
946120

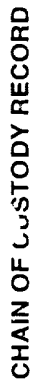
* Initial mass of sample, g
1.080

* Volume of sample after extraction, ml
28.000

* Petroleum hydrocarbons, ppm
42.714

* Net absorbance of hydrocarbons (2930 cm⁻¹)
0.015





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