

EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

OK

^B
Barnes LS #9A
Meter/Line ID - 90100

Pit Closure LS #9A

SITE DETAILS

Legals - Twn: 32N

Rng: 11W

Sec: 13

Unit: J

NMOCD Hazard Ranking: 0

Land Type: BLM

Operator: Amoco

Pit Closure Date: 10/04/94

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 field 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 2 ppm; laboratory analysis indicated a TPH concentration of 854 mg/kg. This site was re-assessed on April 20, 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 almost 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. 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 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, 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	<p>Meter: <u>90100</u> Location: <u>BARNES LS #9A</u></p> <p>Operator #: <u>0203</u> Operator Name: <u>Amoco</u> P/L District: <u>AZTEC</u></p> <p>Coordinates: Letter: <u>J</u> Section <u>13</u> Township: <u>32</u> Range: <u>11</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: <input checked="" type="checkbox"/> Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>4.20.98</u> Area: <u>04</u> Run: <u>62</u></p>																								
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps)</p> <p style="margin-left: 150px;">Land Type:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 40%;">Inside</td> <td style="width: 10%; text-align: center;"><input type="checkbox"/></td> <td style="width: 10%; text-align: center;">(1)</td> <td style="width: 20%;">BLM</td> <td style="width: 10%; text-align: center;"><input checked="" type="checkbox"/></td> <td style="width: 10%; text-align: center;">(1)</td> </tr> <tr> <td>Outside</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;">(2)</td> <td>State</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">(2)</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Fee</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">(3)</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Indian</td> <td></td> <td></td> </tr> </table> <p>Depth to Groundwater</p> <p>Less Than 50 Feet (20 points) <input type="checkbox"/> (1)</p> <p>50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2)</p> <p>Greater Than 100 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>Wellhead Protection Area</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?</p> <p style="text-align: center;"><input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)</p> <p>Horizontal Distance to Surface Water Body</p> <p>Less Than 200 Ft (20 points) <input type="checkbox"/> (1)</p> <p>200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2)</p> <p>Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>Name of Surface Water Body _____</p> <p>(Surface Water Body: Perennial Rivers, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)</p> <p>Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only)</p> <p style="margin-left: 150px;"><input type="checkbox"/> (2) > 100'</p> <p>TOTAL HAZARD RANKING SCORE: <u>0</u> POINTS</p>	Inside	<input type="checkbox"/>	(1)	BLM	<input checked="" type="checkbox"/>	(1)	Outside	<input checked="" type="checkbox"/>	(2)	State	<input type="checkbox"/>	(2)				Fee	<input type="checkbox"/>	(3)				Indian		
Inside	<input type="checkbox"/>	(1)	BLM	<input checked="" type="checkbox"/>	(1)																				
Outside	<input checked="" type="checkbox"/>	(2)	State	<input type="checkbox"/>	(2)																				
			Fee	<input type="checkbox"/>	(3)																				
			Indian																						
REMARKS	<p>Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. THERE ARE NO WELLS, WINDMILLS OR OTHER SOURCES OF FRESH WATER EXTRACTION IN THIS AREA. THERE IS A SPRING APPROXIMATELY 1,500 FEET SOUTH OF THIS LOCATION.</u></p>																								

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 90-100 Location: Barnes LS 9A
 Operator #: 0203 Operator Name: Amoco Production P/L District: Aztec
 Coordinates: Letter: J Section 13 Township: 32 Range: 11
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Assessment Date: 8/4/94 Area: 04 Run: 62

SITE ASSESSMENT

NMOCD Zone:

(From NMOCD Maps)

Inside

☐ (1)

Outside

☒ (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 Cox 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

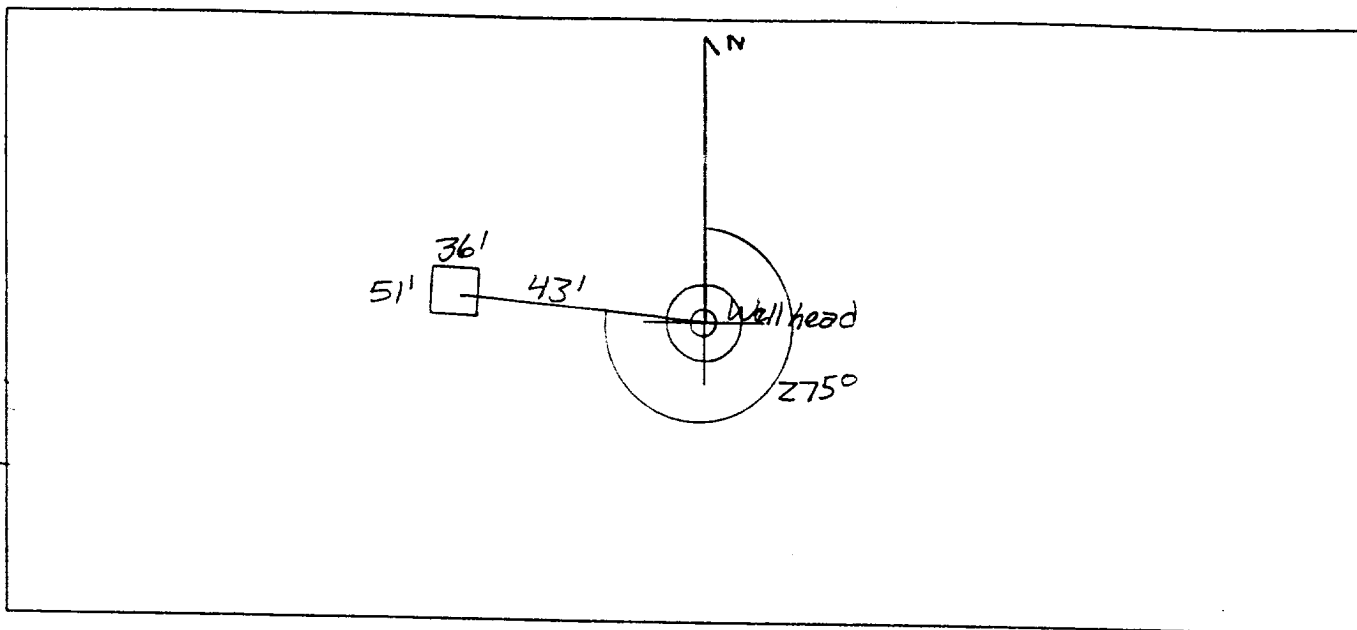
REMARKS

Remarks : Redline Book - Outside Vulnerable Zone - Outside
Five pits on site, location drippit has liquid in it. Will
close one pit.

PUSH IN

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 275° Footage from Wellhead 43'
b) Length : 51' Width : 36' Depth : 4'



REMARKS :

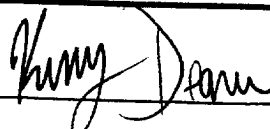
Pictures @ 1221 (13-16, Roll II)
Dump Truck

Completed By:

Mark Kelly
Signature

8/4/94
Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>90100</u> Location: <u>Barnes LS 9A</u></p> <p>Coordinates: Letter: <u>J</u> Section <u>13</u> Township: <u>32</u> Range: <u>11</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>10/4/94</u> Run: <u>04</u> <u>62</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>KD 306</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>2 ppm</u> PID Reading Depth <u>12'</u> Feet</p> <p>Groundwater Encountered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>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"/> Tierra <input type="checkbox"/></p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>10/4/94</u> Pit Closed By: <u>BEI</u></p>
REMARKS	<p>Remarks : <u>Excavated test hole to 12', Took PID Sample, closed pit.</u></p>
Signature of Specialist:	

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NAME # 24324 Pit Closure Project				CONTRACT LABORATORY P. O. NUMBER				
DATE: 10/4/94								
SAMPLERS: (Signature) <i>Mary Ann</i>								
LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS	REMARKS
							TPH EPA 418.1 BTX EPA 8020 LAB PID	SEQUENCE #
	10/4/94	0900	Soil	KD 305	1	VG	X	277
	10/4/94	1030	Soil	KD 306	1	VG	X	278
	10/4/94	1230	Soil	KD 307	1	VG	X	279
	10/4/94	1230	Soil	KD 308	1	D	X	-
	10/4/94	1235	Soil	KD 309	1	B	X	-
	10/4/94	1320	Soil	KD 310	1	VG	X	280
	10/4/94	1505	Soil	KD 311	1	VG	X	281
	10/4/94	1625	Soil	KD 312	1	VG	X	282

RELINQUISHED BY: (Signature) <i>Mary Ann</i>				DATE/TIME 37		RECEIVED BY: (Signature) <i>Brenda Fries</i>		DATE/TIME 24
RELINQUISHED BY: (Signature) _____				DATE/TIME _____		RECEIVED BY: (Signature) _____		DATE/TIME _____
REQUESTED TURNAROUND TIME: <input type="checkbox"/> ROUTINE <input type="checkbox"/> RUSH				CARRIER CO.		SAMPLE RECEIPT REMARKS		RESULTS & INVOICES TO:
BILL NO.:				CHARGE CODE		505-599-2144		505-599-2261

FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD 3016	946318
MTR CODE SITE NAME:	90100	N/A
SAMPLE DATE TIME (Hrs):	10-4-94	1030
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	10-6-94	
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)	855 ^{old 10/1/94} 854	MG/KG			2.04	28
HEADSPACE PID	2	PPM				
PERCENT SOLIDS	94.0	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By: 

Date: 10/13/94