

**EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE**

Outside

1/15K
BTEX + TPH

Schwerdtfeger A LS #16
Meter/Line ID - 72471

RECEIVED
NOV - 2 1999

OIL CON. DIV.
DIST. 3

SITE DETAILS

Legals - Twn: 27N
NMOCD Hazard Ranking: 0
Operator: Amoco

Rng: 8

Sec: 21 Unit: C
Land Type: BLM
Pit Closure Date: 9/27/94

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 236 ppm; laboratory analysis indicated a TPH concentration of 13,200 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

Field Pit Assessment Form
Laboratory Analytical Results

REVISED

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: <u>72471</u> Location: <u>Schwerdtfeger ALS #16</u> Operator #: _____ Operator Name: _____ P/L District: _____ Coordinates: Letter: <u>C</u> Section: <u>21</u> Township: <u>27</u> Range: <u>8</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: <u>4/7/98</u> Area: _____ Run: _____		
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps)		
	Inside Outside	Land Type: <input type="checkbox"/> (1) <input checked="" type="checkbox"/> (2)	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 type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input checked="" 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 type="checkbox"/> (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 <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100'		
	TOTAL HAZARD RANKING SCORE: <u>0</u> POINTS		
REMARKS	Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is > 100' vertical to center of Star canyon wash</u>		

FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>72471</u> Location: <u>Schwerdtfeger ALS 16</u> Operator #: <u>0203</u> Operator Name: <u>Amoco</u> P/L District: <u>Ballard</u> Coordinates: Letter: <u>C</u> Section <u>21</u> Township: <u>27</u> Range: <u>8</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: <input checked="" type="checkbox"/> Line Drip: _____ Other: _____ Site Assessment Date: <u>6/10/94</u> Area: <u>07</u> Run: <u>32</u></p>
	<p>NMOCD Zone: (From NMOCD Maps) Inside <input type="checkbox"/> (1) Outside <input checked="" type="checkbox"/> (2)</p> <p>Land Type: BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____</p> <p>Depth to Groundwater Less Than 50 Feet (20 points) <input type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>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)</p> <p>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)</p> <p>Name of Surface Water Body <u>Star 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'</p> <p>TOTAL HAZARD RANKING SCORE: <u>10</u> POINTS</p>
REMARKS	<p>Remarks : <u>Redline Book - Inside, Vulnerable Area Top - Outside</u></p> <p><u>1 pit. Will close. Pit dry</u></p>

PUSH-IN

ORIGINAL PIT LOCATION	<div data-bbox="630 313 1088 354" data-label="Section-Header">ORIGINAL PIT LOCATION</div> <div data-bbox="203 374 1518 479" data-label="Text"><p>Original Pit : a) Degrees from North <u>1°</u> Footage from Wellhead <u>69'</u> b) Length : <u>18'</u> Width : <u>14'</u> Depth : <u>2'</u></p></div> <div data-bbox="207 523 1523 1097" data-label="Diagram"></div>
REMARKS	<div data-bbox="203 1164 1518 1704" data-label="Text"><p>Remarks : <u>Pictures @ 1509 (20-22)</u> <u>Dump Truck</u></p></div>
	<div data-bbox="203 1760 1518 1968" data-label="Text"><p>Completed By:</p><div><div data-bbox="300 1829 820 1968"><u>Cory Chane</u> Signature</div><div data-bbox="1079 1843 1258 1968"><u>6/10/94</u> Date</div></div></div>

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>72471</u> Location: <u>Schwerdtfeger ALS 16</u></p> <p>Coordinates: Letter: <u>C</u> Section <u>21</u> Township: <u>27</u> Range: <u>8</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>9-27-94</u> Run: <u>07</u> <u>32</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>Vu342</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>236</u> PID Reading Depth <u>12'</u> Feet</p> <p>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"/> Tierra <input type="checkbox"/></p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>9-27-94</u> Pit Closed By: <u>BEI</u></p>
REMARKS	<p>Remarks : <u>Rock at 12'</u> <u>10 yds Fill</u></p> <p>Signature of Specialist: <u>Vick Wilson</u></p>



CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER		PROJECT NAME		PROJECT ANALYSIS		REQUESTED ANALYSIS		CONTRACT LABORATORY P. O. NUMBER	
SAMPLERS: (Signature)		DATE		DATE		DATE		DATE	
LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBERS OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020	REMARKS
6230	9-27-94	940	soil	1W342	1	1/6	X		
6231	9-27-94	1100	soil	1W343	1	1/6	X		
6232	9-27-94	1300	soil	1W344	1	1/6	X		
6233	9-27-94	1310	soil	1W345	1	1/6	X		
6234	9-27-94	1400	soil	1W346	1	1/6	X		
[The following rows are crossed out with a large diagonal line.]									
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)	
Vale Wilson		9-27-94 1700		Frederick		9-28-94 1050		Frederick	
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)	
								Frederick	
REQUESTED TURNAROUND TIME:				SAMPLE RECEIPT REMARKS				RESULTS & INVOICES TO:	
<input type="checkbox"/> ROUTINE <input type="checkbox"/> RUSH								FIELD SERVICES LABORATORY	
CARRIER CO.								EL PASO NATURAL GAS COMPANY	
								P.O. BOX 4990	
								FARMINGTON, NEW MEXICO 87499	
BILL NO.:				CHARGE CODE				FAX: 505-599-2261	



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW 342	946230
MTR CODE SITE NAME:	72471	N/A
SAMPLE DATE TIME (Hrs):	9-27-94	0940
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	9-29-94	9-29-94
DATE OF BTEX EXT. ANAL.:	N/A	N/A
TYPE DESCRIPTION:	VG	Brown fine sand & clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	13,200	MG/KG			0.48	28
HEADSPACE PID	236	PPM				
PERCENT SOLIDS	88.9	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

10/6/94