

**EL PASO FIELD SERVICES  
PRODUCTION PIT CLOSURE**

*Outside*

*Risk*

*BTEX*

*TPH*

**Heath GC B #1A  
Meter/Line ID - 89614**

**SITE DETAILS**

**Legals - Twn: 29N**

**Rng: 9W**

**Sec: 9**

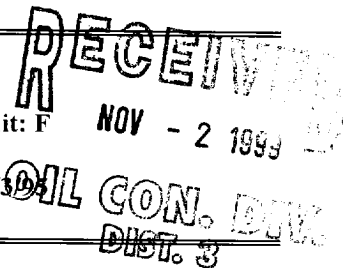
**Unit: F**

**NMOCD Hazard Ranking: 0**

**Land Type: BLM**

**Operator: Amoco**

**Pit Closure Date: 2/3/95**



**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 then backfilled and graded in a manner to divert precipitation away from the pit area. Headspace analysis indicated an organic vapor content of 602 ppm; laboratory analysis indicated a TPH concentration of 18,880 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.
- The site is greater than 100 vertical feet from groundwater and 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**

<b>GENERAL</b>	Meter: <u>89614</u> Location: <u>Hearth GC B #1A</u> Operator #: _____ Operator Name: _____ P/L District: _____ Coordinates: Letter: <u>F</u> Section <u>9</u> Township: <u>29</u> Range: <u>9</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: <u>4/14/98</u> Area: _____ Run: _____
<b>SITE ASSESSMENT</b>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <b>NMOCD Zone:</b>            (From NMOCD Maps)         </div> <div style="width: 45%;"> <b>Land Type:</b> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 45%;">           Inside <input type="checkbox"/> (1)            Outside <input checked="" type="checkbox"/> (2)         </div> <div style="width: 45%;">           BLM <input checked="" type="checkbox"/> (1)            State <input type="checkbox"/> (2)            Fee <input type="checkbox"/> (3)            Indian _____         </div> </div> <div style="margin-top: 10px;"> <b>Depth to Groundwater</b>            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)         </div> <div style="margin-top: 10px;"> <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?  <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <input type="checkbox"/> (1) YES (20 points)           <input checked="" type="checkbox"/> (2) NO (0 points)         </div> </div> <div style="margin-top: 10px;"> <b>Horizontal Distance to Surface Water Body</b>            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)         </div> <div style="margin-top: 10px;">           Name of Surface Water Body _____            (Surface Water Body: Perennial Rivers, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)         </div> <div style="margin-top: 10px;">           Distance to Nearest Ephemeral Stream           <div style="display: flex; justify-content: space-around; margin-left: 50px;"> <input type="checkbox"/> (1) &lt; 100' (Navajo Pits Only)  <input type="checkbox"/> (2) &gt; 100'           </div> </div> <div style="margin-top: 10px;"> <b>TOTAL HAZARD RANKING SCORE:</b> <u>0</u> <b>POINTS</b> </div>
<b>REMARKS</b>	Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is &gt; 100' vertical from center of San Juan River</u>

# FIELD PIT SITE ASSESSMENT FORM

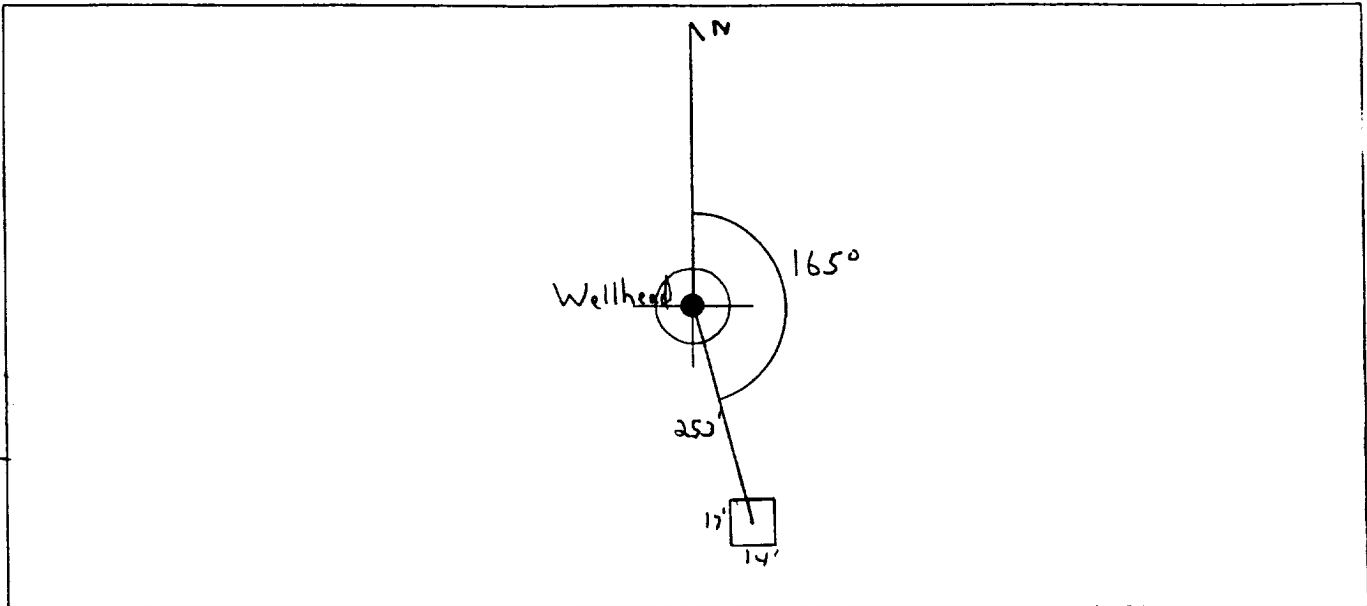
GENERAL	Meter: <u>89614</u> Location: <u>Heath GC BIA</u> Operator #: <u>0203</u> Operator Name: <u>Amaco</u> P/L District: <u>Bloomfield</u> Coordinates: Letter: <u>EF</u> Section <u>9</u> Township: <u>29</u> Range: <u>9</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: <u>1/9/95</u> Area: <u>10</u> Run: <u>53</u> <small>cmc/1/9/95</small>	
	NMOCD Zone: (From NMOCD Maps)	
SITE ASSESSMENT	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 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)	
	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 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>San Juan R.</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'	
REMARKS	TOTAL HAZARD RANKING SCORE: <u>40</u> POINTS	
	Remarks : <u>Redline Book - Inside</u> <u>Vulnerable Zone Type - Outside</u> <u>2 pits. Will close 1. Pit dry</u>	

PUSH-IN

## ORIGINAL PIT LOCATION

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Original Pit : a) Degrees from North 165° Footage from Wellhead 253'  
b) Length : 17' Width : 14' Depth : 4'



## REMARKS

## Remarks :

Pictures @ 1132 4-7 roll -1

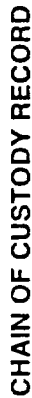
Completed By:

Cory Chance  
Signature

1/9/95  
Date encl/1/95

# FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>89614</u> Location: <u>Heath GC B1A</u></p> <p>Coordinates: Letter: <u>F</u> Section <u>9</u> Township: <u>29</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>2-3-95</u> Run: <u>10</u> <u>530</u> <sup>2:25</sup></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>KP 404</u> <u>406</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>602</u> PID Reading Depth <u>12'</u> Feet</p> <p>Yes No</p> <p>Groundwater Encountered <input type="checkbox"/> <input 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>2-3-95</u> Pit Closed By: <u>B. E. I.</u></p>
REMARKS	<p>Remarks : <u>Some Line markers dug A Test hole. To 12' Soil</u> <u>gray Looking with a H.C. odor. Closed Pit.</u></p>
SIGNATURE	<p>Signature of Specialist: <u>Kelly Pedilla</u></p>



## CHAIN OF CUSTODY RECORD

[illegible]



# FIELD SERVICES LABORATORY

## ANALYTICAL REPORT

### PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

#### SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 404	946626
MTR CODE   SITE NAME:	89614	N/A
SAMPLE DATE   TIME (Hrs):	2-3-95	1050
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	2-8-95	2-8-95
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	VG	Gray sand w/ pebbles

REMARKS:

#### RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	18800	MG/KG			0.31	28
HEADSPACE PID	602	PPM				
PERCENT SOLIDS	94.2	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

*[Signature]*

Date:

2-22-95