

EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

*Risk
Bedrock*

Pan American Federal C #1
Meter/Line ID – 73788

SITE DETAILS

Legals - Twn: 30N	Rng: 12W	Sec: 19	Unit: K
NMOCD Hazard Ranking: 10		Land Type: FEE	
Operator: Amoco		Pit Closure Date: 05/10/94	

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 three feet below ground surface and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit and bedrock was encountered at three feet below ground surface. 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 212 ppm; laboratory analysis indicated a TPH concentration of 841 mg/kg. This site was re-assessed on April 8, 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 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 50 feet; therefore, impact to groundwater is unlikely.
- Bedrock was encountered at three feet below ground surface making further remediation impractical.
- 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>73788</u> Location: <u>Pan American Federal C#1</u></p> <p>Operator #: _____ Operator Name: _____ P/L District: _____</p> <p>Coordinates: Letter: <u>K</u> Section <u>19</u> Township: <u>30</u> Range: <u>12</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>4/8/98</u> Area: _____ Run: _____</p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps)</p> <p style="margin-left: 100px;">Inside <input type="checkbox"/> (1)</p> <p style="margin-left: 100px;">Outside <input checked="" type="checkbox"/> (2)</p> <p>Land Type:</p> <p style="margin-left: 100px;">BLM <input type="checkbox"/> (1)</p> <p style="margin-left: 100px;">State <input type="checkbox"/> (2)</p> <p style="margin-left: 100px;">Fee <input checked="" type="checkbox"/> (3)</p> <p style="margin-left: 100px;">Indian _____</p> <p>Depth to Groundwater</p> <p style="margin-left: 20px;">Less Than 50 Feet (20 points) <input type="checkbox"/> (1)</p> <p style="margin-left: 20px;">50 Ft to 99 Ft (10 points) <input checked="" type="checkbox"/> (2)</p> <p style="margin-left: 20px;">Greater Than 100 Ft (0 points) <input 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 style="margin-left: 20px;">Less Than 200 Ft (20 points) <input type="checkbox"/> (1)</p> <p style="margin-left: 20px;">200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2)</p> <p style="margin-left: 20px;">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: 350px;"><input type="checkbox"/> (2) > 100'</p> <p>TOTAL HAZARD RANKING SCORE: <u>10</u> POINTS</p>
REMARKS	<p>Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is <100' vertical from center of Head Arroyo</u></p>



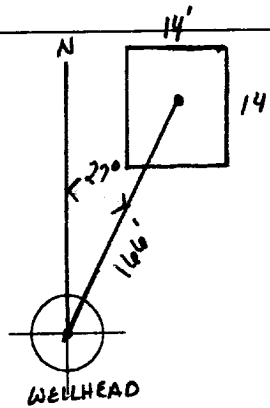
FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>23788</u> Location: <u>PAN AMERICAN FEDERAL C#1</u></p> <p>Operator #: <u>0203</u> Operator Name: <u>AMOCO</u> P/L District: <u>KUTZ</u></p> <p>Coordinates: Letter: <u>K</u> Section <u>19</u> Township: <u>30</u> Range: <u>12</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Visit Date: <u>3-22-94</u> Run: <u>02</u> <u>22</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: Inside _____ Land Type: BLM <input type="checkbox"/> (From NMOCD Vulnerable _____ State <input type="checkbox"/> Maps) Zone <input type="checkbox"/> Fee <input checked="" type="checkbox"/> Outside <input checked="" type="checkbox"/> Indian _____</p> <p>Depth to Groundwater</p> <p>Less Than 50 Feet (20 points) <input type="checkbox"/> 50 Ft to 99 Ft (10 points) <input type="checkbox"/> Greater Than 100 Ft (0 points) <input checked="" type="checkbox"/></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? <input type="checkbox"/> YES (20 points) <input checked="" type="checkbox"/> NO (0 points)</p> <p>Horizontal Distance to Surface Water Body</p> <p>Less Than 200 Ft (20 points) <input type="checkbox"/> 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/></p> <p>Name of Surface Water Body _____</p> <p>(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)</p> <p>TOTAL HAZARD RANKING SCORE: <u>0</u> POINTS</p>
REMARKS	<p>Remarks : <u>LOCATION FENCED OFF. PIT IS OUTSIDE OF FENCE.</u></p> <p><u>PIT IS DRY.</u></p>



ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 27° Footage to Wellhead 166'
 b) Degrees from North _____ Footage to Dogleg _____
 Dogleg Name _____
 c) Length : 14' Width : 14' Depth : 1'



Remarks :

STARTED TAKING PICTURES AT 2:42 P.M.
ENDDUMP

Completed By:

Robert Thompson
 Signature

3.22.94
 Date



FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 73788 Location: Pan American Federal C#1
 Coordinates: Letter: K Section 19 Township: 30 Range: 12
 Or Latitude _____ Longitude _____
 Date Started : 5-10-94 Area: 02 Run: 22

FIELD OBSERVATIONS

Sample Number(s): VW46 VW47 VW48 _____
 Sample Depth: 3' Feet
 Final PID Reading 212 PID Reading Depth 3' Feet
 Yes No
 Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Feet

CLOSURE

Remediation Method :
 Excavation ☐ (1) Approx. Cubic Yards 0
 Onsite Bioremediation ☐ (2)
 Backfill Pit Without Excavation ☒ (3)
 Soil Disposition:
 Envirotech ☐ (1) ☐ (3) Tierra
 Other Facility ☐ (2) Name: _____
 Pit Closure Date: 5-10-94 Pit Closed By: BEI

REMARKS

Remarks : EPN's, 1. in. Markers, 3 Foot H.T sandstone.

Signature of Specialist: Vale Wilson





FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

SAMPLE NUMBER:

Field ID

Lab ID

MTR CODE | SITE NAME:

SAMPLE DATE | TIME (Hrs):

SAMPLED BY:

DATE OF TPH EXT. | ANAL.:

DATE OF BTEX EXT. | ANAL.:

TYPE | DESCRIPTION:

VW46	945114
73788	N/A
5-10-94	1015
N/A	N/A
5-12-94	5-12-94
N/A	N/A
VG	Light Brown Sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	840 841	MG/KG			2.03	28
HEADSPACE PID	212	PPM				
PERCENT SOLIDS	93.6	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at N/A % for this sample All QA/QC was acceptable.
Negative:

DF = Dilution Factor Used

Approved By:

Date:

6/15/94



Page 1 of 1[illegible]

