Denny 2. Fout
DEFENDED & GAS INSPECTOR

DEC 2 9 1997

Appreved

Meter Number:71244
ocation Name:HUERFANITO UNIT #33-33

Location:TN-27 RG-09 SC-33 UL-G 2 - Federal

NMOCD Zone: OUTSIDE Hazard Ranking Score: 00

DECEIVED N APR 1 4 1987

OIL COM, DAY,

RATIONALE FOR RISK-BASED CLOSURE OF PRODUCTION PITS LOCATED OUTSIDE OF THE VULNERABLE ZONE IN THE SAN JUAN BASIN

This production pit location was ranked according to the criteria in the New Mexico Oil Conservation Division's Unlined Surface Impoundment Closure Guidelines and received a ranking score of zero. The estimated depth to groundwater is greater than 100-feet beneath ground surface (bgs), the pit is not in a well head protection area, and there are no surface water bodies within 1,000 horizontal feet of the pit location.

The primary source, discharge to the pit has been removed. There has been no discharge to the pits for at least 4 years and the pits have been closed for at least one year.

Each pit was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Minimal infiltration of rainfall is expected. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching the residual hydrocarbons.

There is no source material at the ground surface, so direct contact of hydrocarbons with livestock and the populous is not likely.

In general, outside of the vulnerable area and alluvial valleys, bedrock material is generally encountered within 20 feet of the ground surface. Bedrock material in the San Juan Basin consists of interbedded sandstones, shales and clays. According to Freeze and Cherry, 1979, the hydraulic conductivity of the bedrock material are as follows:

Sandstone 10^{-9} to 10^{-13} cm/sec Shale 10^{-12} to 10^{-16} cm/sec Clay 10^{-12} to 10^{-15} cm/sec

Based on this information, the residual hydrocarbons should not migrate to groundwater.

Natural process (bioremediation) are degrading the residual hydrocarbon to carbon dioxide and water and will continue until the source is gone, therefore minimizing any impact to the environment.

Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to affect human health and therefore El Paso Field Services Company (EPFS) requests closure of this pit location.



FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 71244 Location: Huerfant Mart No. 33-33 Operator #: 2999 Operator Name: FPNS 6-BJ District: Ballard Coordinates: Letter: G Section 33 Township: Z7 Range: 9 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 6-10-94 Area: 11 Run: 31					
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside Depth to Groundwater Land Type: BLM State (2) Fee (3) Indian					
	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					
	(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: POINTS					
REMARKS	Remarks: One pot - Dry					
ЕМА	Quitside 11.2. Redithe of TODO					
M	P. J. 3.025 =					

ORIGINAL PIT LOCATION Original Pit : a) Degrees from North 308 Footage from Wellhead 150 b) Length: $\frac{18}{2}$ Width: $\frac{17}{2}$ Depth: $\frac{3}{2}$ ORIGINAL PIT LOCATION Remarks: Photos 1550 REMARKS is next to meter Completed By: Signature

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 71244 Location: Huer Fan to vait # 33:33 Coordinates: Letter: 6 Section 33 Township: 27 Range: 7 Or Latitude Longitude Date Storted: 1-2-44 Run: 1 31
FIELD OBSERVATIONS	Sample Number(s): \(\begin{align*}
CLOSURE	Remediation Method : Excavation
	Soil Disposition: Envirotech Other Facility Name: Pit Closure Date: 4-8-44 Pit Closed By: EFT
REMARKS	Remarks:
	Signature of Specialist: Vale hulber (SP3181) 93/16/84



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	SAMPLE	DENTIFICA	TON					
	Field I	Lab ID						
SAMPLE NUMBER:	vw 251		946067					
MTR CODE SITE NAME:	71244		N/A					
SAMPLE DATE TIME (Hrs):	9-8-9	09/0						
SAMPLED BY:		N/J	A	1011				
DATE OF TPH EXT. ANAL.:	9/13/94		9/13/94					
DATE OF BTEX EXT. ANAL.:	NIA	ν/A						
TYPE DESCRIPTION:	V G-	V G			4 Brown Fine Sand			
REMARKS:								
	R	ESULTS						
PARAMETER	RESULT	UNITS	QUALIFIERS DF Q M(g) V(ml)					
TPH (418.1)	42.0	MG/KG			2.05 2			
HEADSPACE PID	1	PPM						
PERCENT SOLIDS	95.2	%%						
	•	- TPH is by EPA Method	418.1					
Narrative:								
DF = Dilution Factor Used								
Approved By:			Date:	9/30/	194	-		

****************** Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil

> Perkin-Elmer Model 1600 FT-IR Analysis Report

94/09/13 13:23

Sample identification ⊇46067

Initial mass of sample, g 2.050

Volume of sample after extraction. ml 18.000

Petroleum hydrocarbons, ppm -2.012

Net absorbance of hydrocarbons (2930 cm-1) .015

