DEC 3 0 1997

Meter Number:89639

Location Name: PRICHARD FEDERAL #1A

Location:TN-29 RG-08 SC-06 UL-O

2 - Federal

NMOCD Zone:OUTSIDE

Hazard Ranking Score:00

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:

10⁻⁹ to 10⁻¹³ cm/sec 10⁻¹² to 10⁻¹⁶ cm/sec 10⁻¹² to 10⁻¹⁵ cm/sec Sandstone Shale Clav

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: 89639 Location: PRICHARD FEDERAL # 1A Operator #: 2999 Operator Name: MERIDIAN P/L District: BLOOMFIELD Coordinates: Letter: O Section to Township: 29 Range: 8 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 5.8.94 Area: to Run: 31
SITE ASSESSMENT	NMOCD Zone: Cand Type: BLM (1) State (2)
REMARKS	Remarks: Three Pits on Location. WILL CLOSE ONLY ONE, PIT IS DRY. LOCATION IS ON TOP OF MANZANARES MEBA. REDINE AND TOPO CONFIRMED LOCATION TO BE OUTSIDE THE V.Z. PUSH IN

(SP3190) 04/08/94

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 89639 Location: Pr.chard Federal #1A Coordinates: Letter: D Section 6 Township: 29 Range: 8 Or Latitude Longitude Date Started: 6-28-94 Area: 10 Run: 31							
FIELD OBSERVATIONS	Sample Number(s): MK 59 Sample Depth: 12' Feet Final PID Reading 97 PID Reading Depth 12' Feet Yes No Groundwater Encountered (1) (2) Approximate Depth Feet							
CLOSURE	Remediation Method: Excavation							
REMARKS	Remarks: <u>FPNG lines marked</u> Soil light Brown Slight HYDrocarbon odor Signature of Specialist: <u>Murgan</u> Killian							



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

Field ID				Lab ID		
SAMPLE NUMBER:	BER: m14 59			945550		
MTR CODE SITE NAME:				N/A		
SAMPLE DATE TIME (Hrs):) Le	1602		
SAMPLED BY:	BY: N/					
DATE OF TPH EXT. ANAL.:	6-30-94		6/30/94			
DATE OF BTEX EXT. ANAL.:	N/A			NIA		
TYPE DESCRIPTION: V G-			Brown	1211		
				/	(
REMARKS:	·					
		RESULTS				
PARAMETER	RESULT (UNITS		QUALIFIERS		
			DF	Q	M(g)	V(mi
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	2880	MG/KG			2.05	28
HEADSPACE PID	97	PPM				
PERCENT SOLIDS	P5.P	%				
	- TPH is by EPA Method 4	-				
ne Surrogate Recovery was at arrative:	NIA	% for this sampl	le All QA/QC	was accep	otable.	

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

94/06/30 14:20

Sample identification 945550

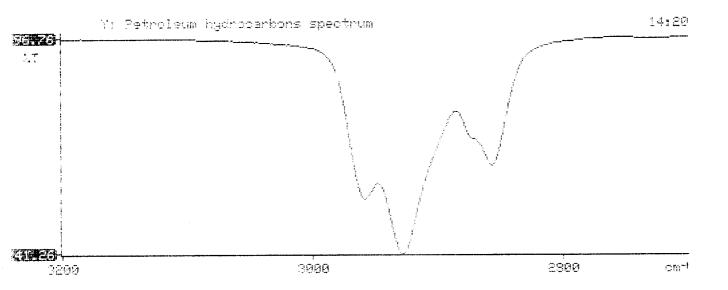
Initial mass of sample, g

Volume of sample after extraction, ml 28.000

Fetroleum hydrocarbons, ppm 2376.569 Net absorbance of hydrocarbons

Net absorbance of hydrocarbons (2930 cm-1)

0.370





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