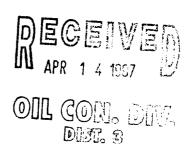
260 22 1997 Lancoved Neter Number: 75828
Locati n Name: FLORANCE #54
L cation: TN-30 RG-09
SC-22 UL-0
2 - Federal

2 - Federal NN OCD Zone:OUTSIDE Ha :ard Ranking Score:00



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

This production pit location was rank d 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 projection area, and there are no surface water bodies within 1,000 horizontal feet of the pit location.

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

Each pit was backfilled with clean so, 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 gro ind surface, so direct contact of hydrocarbons with livestock and the populous is not likely.

In general, outside of the vulnerable a rea 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: re as follows:

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

Based on this information, the residu il 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 slosure of this pit location.



FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 75828 Location: Florance #54 Operator #: 0203 Operator Name: Amoco P/L District: 8100MF18LD Coordinates: Letter: O Section 22 Township: 30 Range: 9 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 4.25.94 Area: 10 Run: 33							
SITE ASSESSMENT	NMOCD Zone: (From NMOCD State (2)							
REMARAS	Remarks: DULY PIT ON LOCATION. PIT IS THE REDIINE BOOK SHOWED LOCATION GUELDE V.Z. TOPO MAP CONFIRMED THAT.							
REA	(Push Jal)							

GE1. RAL	Meter: 75828 Location: Florance # 5 4 Coordinates: Letter: O Section 22 Township: 30 Range: 9 Or Latitude Longitude Date Started: 5-18-94 Area: 10 Run: 33
FIELD OBSERVATIONS	Sample Number(s): \(\frac{\sum{100}}{\sum{12'}} \) Feet Final PID Reading \(\frac{\sum{298}}{\sum{98}} \) PID Reading Depth \(\frac{\sum{12'}}{\sum{5eet}} \) Feet Yes No Groundwater Encountered \(\sum{1} \) (1) \(\sum{2} \) Approximate Depth \(\sum{5eet} \)
CLOSURE	
REMARKS	Remarks: EPNG Inc. Markers Signature of Specialist: Vale Wilder (SP3191) 04/07/94



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID			Lab ID		
SAMPLE NUMBER:	1100 100		945221			
MTR CODE SITE NAME:	15828		N/A			
SAMPLE DATE TIME (Hrs):	<-18-94		5960			
SAMPLED BY:		N	I/A	-1		
DATE OF TPH EXT. ANAL.:	5-19-94		5/19/94			
DATE OF BTEX EXT. ANAL.:			N N	NA		
TYPE DESCRIPTION:	V G		Frey Course 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)	39400	MG/KG			027	28
HEADSPACE PID	298	PPM				
PERCENT SOLIDS	92.8	%				
	- TPH is by EPA Method			_		
The Surrogate Recovery was at	AIG	% for this samp	ole All QA/Q(C was accep	table.	

Narrative:

DF = Dilution Factor Used

****************** Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil Perkin-Elmer Model 1600 FT-IR Analysis Report *******************

74/05/19 14:33

Sample Adentification ~45221

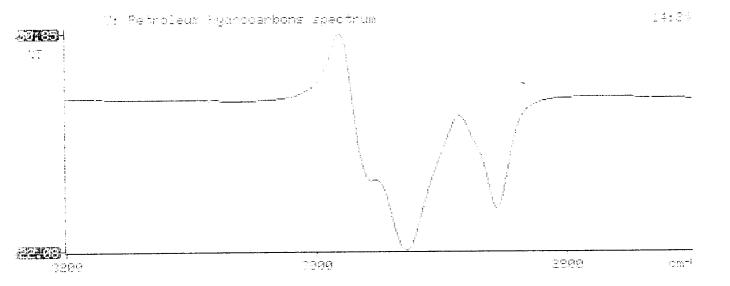
Initial hass of sample, g

Volume of semple after extraction, ml 000.55

Setroleum bydrocarbons, ppm 17422.938

Net absorbance of bydrocarbons (2930 cm-1)

.648



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