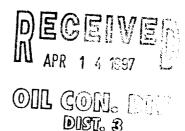
DEPUTY OIL & GAS INSPECTOR

DEC 22 1997

160 22 1881

Meter Number:70274
Location Name:MANSFIELD #2
Location:TN-30 RG-09
SC-19 UL-N
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:

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: 70274 Location:MANSFIELD # 2 Operator #: 2999 Operator Name: MERIDIAN P/L District: BLOOMFIELD Coordinates: Letter: N Section 19 Township: 30 Range: 90 ** A: 91 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 4.19.94
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside (2) Maps) Depth to Groundwater Less Than 50 Feet (20 points) Greater Than 100 Ft (0 points) 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? Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) 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: O POINTS
REMAKnS	Remarks: ONLY PIT ON LOCATION, PIT IS DRY.
REM	

Date

Signature

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 70274 Location: Manshell = 2 Coordinates: Letter: N Section 19 Township: 30 Range: 9 Or Latitude Longitude Longitude Date Started: 5-17-94 Area: 10 Run: 33
FIELD OBSERVATIONS	Sample Number(s): Viu 95 Sample Depth: Feet Final PID Reading Depth Z Feet Yes No Groundwater Encountered (1) (2) Approximate Depth Fe
CLOSURE	
OFWARKS	Remarks: Live Mailers. B'hit Sandstone Signature of Specialist: Vale Vilson



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field	Lab ID			7	
SAMPLE NUMBER:	vw85	945202				
MTR CODE SITE NAME:	70274		N/A]
SAMPLE DATE TIME (Hrs):	5-17-94		0840			
SAMPLED BY:	N/A					
DATE OF TPH EXT. ANAL.:	5/18/99		5/18/94			_
DATE OF BTEX EXT. ANAL.:	NIA		NIA			
TYPE DESCRIPTION:	VG	VG		Black convey Sound		
Y						
REMARKS:						
		RESULTS				
PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	<u> </u>	M(g)	V(ml)
BENZENE		MG/KG				ļ
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
		MG/KG				
TOTAL BTEX					1	1
TOTAL BTEX TPH (418.1)	987c	MG/KG			. 56	28
	987c				.56	28
TPH (418.1)		MG/KG			56	2E
TPH (418.1) HEADSPACE PID	90.2	MG/KG PPM %				28

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