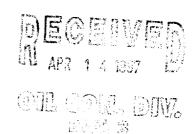
DEPUTY OIL & GAS INSPECTOR

DEC 22 1997

Meter Number:89309
Location Name:STATE COM L 8A
Location:TN-32 RG-11

SC-36 UL-E 1 - State

NMOCD Zone:OUTSIDE Mazard 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: 89-309 Location: State Com L 8A Operator #: 0286 Operator Name: Oper Line. P/L District: Aztec Coordinates: Letter: E Section 36 Township: 32 Range: 1 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 9/4/94 Area: 04 Run: 31								
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside (2) Indian Depth to Groundwater Less Than 50 Feet (20 points) 50 Ft to 99 Ft (10 points) Greater Than 100 Ft (0 points) Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction?, or; ls 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 Caryon (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: Redline Book-Outside Vulnerable Zone Tope-Outside Three pits on site, location drip ptt has a small amount of liquid in it. Will close one pit: PUSH IN								

FIEL PIT REMEDIATION/CLOSULE FORM

GENERAL	Meter: 89309 Location: State Com L 8A Coordinates: Letter: E Section 36 Township: 32 Range: 11 Or Latitude Longitude Date Started: 10-4-94 Run: 04 31							
FIELD OBSERVATIONS	Sample Number(s): KP 285 Sample Depth: 12' Feet Final PID Reading 208 PID Reading Depth Feet Yes No Groundwater Encountered \(\begin{array}{c c} \begin{array}{c c} \begin{array}{c c} Feet \\ \end{array} \) Approximate Depth \(\frac{12'}{2'} \) Feet							
CLOSURE	Remediation Method: Excavation							
REMARKS	Remarks: No Line Markers. Soil gray Looking with A small.							
	Signature of Specialist: Klly Padlla (SP3181) 03/16/84							



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field	Lab ID				
SAMPLE NUMBER:	KP 2°	946312				
MTR CODE SITE NAME:	9930	N/A				
SAMPLE DATE TIME (Hrs):	10-4-9	1300				
SAMPLED BY:	N/A					
DATE OF TPH EXT. ANAL.:	16-6-94					
DATE OF BTEX EXT. ANAL.:	۱۵۱۸		NAW			
TYPE DESCRIPTION:	CRIPTION: VG			Brown Gray sand & clay		
REMARKS:		RESULTS				- Ji- S
PARAMETER	RESULT UNITS QUALIF		IERS V(ml)			
TPH (418.1)	33700	MG/KG			0.27	28
HEADSPACE PID	208	PPM				
PERCENT SOLIDS	92.1	%				
		TPH is by EPA Metho	od 418.1			
larrative:				,, · · · · · · · · · · · · · · · · · ·		
F = Dilution Factor Used						
Approved By:)		Date:	(6/13	Jay	

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

94/10/06 14:06

Sample identification 746312

Initial mass of sample, g

Volume of sample after extraction, ml $\exists \, \exists \, \exists \, \, \cup \, \cap \, \bigcirc$

Petroleum hydrocarbons, opm 33662.867 Net absorbance of hydrocarbons (2930 cm-1) 3.565

