DEPUTYOIL & GAS INSPECTOR
DEC 3 0 1997

Approved

Meter Number:89792
Location Name:S.J.29-7 #110
Location:TN-29 RG-07
SC-31 UL-G
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:

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 FLASOFIELDS

GENERAL	Meter: 89792 Location: Operator Name: MERIDIAN P/L District: BLANCO Coordinates: Letter:						
	NMOCD Zone: Land Type: BLM ∅ (1) (From NMOCD State ∅ (2) Maps) Inside ⋈ (2) Outside ⋈ (2) Indian Depth to Groundwater (2) (1) Less Than 50 Feet (20 points) ⋈ (1) 50 Ft to 99 Ft (10 points) ⋈ (2) Greater Than 100 Ft (0 points) ⋈ (3)						
SITE ASSESSMENT	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: (2) POINTS						
۲۲ ا	Remarks: REPLINE & TOPO SHOW LOCATION OUTSIDE V.Z. TWO PITS ON COCATION.						
REMARK.	ONE BELONGS TO MERICIAN. WILL CLOSE EPNGS PIT.						
REI	PISH IN						

Date

Signature

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 89792 Location:S.J. 29-7 #/10 Coordinates: Letter: _6 Section_31 Township: 29 Range: _7 Or Latitude Longitude Date Started: 2-22-95 Run:1371
FIELD OBSERVATIONS	Sample Number(s): MK 395 Sample Depth: 4' Feet Final PID Reading 650 PPM PID Reading Depth 4' Feet Yes No Groundwater Encountered \(\begin{array}{c c} \empty & Approximate Depth \(\begin{array}{c c} \empty & Feet \\ & \empty & \empty & \empty & Feet \\ & \empty & \em
CLOSURE	Remediation Method: Excavation
REMARKS	
L	Signature of Specialist: Maryon Killion (SP3191) 03/16/94



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field (ID		Lab ID		
SAMPLE NUMBER:	MX 395 89792 2-22-95		946695 N/A			
MTR CODE SITE NAME:						
SAMPLE DATE TIME (Hrs):						i
SAMPLED BY:	N/A					
DATE OF TPH EXT. ANAL.:	2-28-95		2-28.95			
DATE OF BTEX EXT. ANAL.:			2-			
TYPE DESCRIPTION:	V &		and makeum some and chan			4
REMARKS:						
	F	RESULTS				
PARAMETER	RESULT	UNITS	QUALIFIERS			
PAIAVIETE			DF	Q	M(g)	V(mi)
TPH (418.1)	15200	MG/KG			0.52	ત્રક
HEADSPACE PID	6 50	PPM				
PERCENT SOLIDS	82.4	%	145. 146.)			
		TPH is by EPA Meth	nod 418.1			

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

Perkin-Elmer Model 1600 FT-IR Analysis Report *********************

75/02/28 17:35

Sample identification 246595

Initial mass of wample, g

Volume of sample after extraction, ml

Feiroleum hydrocarbons, ppm E193.102

Tai absorbance of hydrocarbons (2730 cm-1)

