Denonce 2. Fout

DEC 2 9 1997

Meter Number:74898
Location Name:J.R. ANDERSON #2
Location:TN-25 RG-03
SC-26 UL-A
4 - Fee

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

GENERAL	Meter: 74-898 Location: J.R. Anderson #2 Operator #: 1862 Operator Name: ProductionP/L District: Qiito Coordinates: Letter: A Section 26 Township: 25 Range: 3 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 8/11/94 Area: 8 Run: 9/						
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside (1) Fee (3) Depth to Groundwater Less Than 50 Feet (20 points) For to 99 Ft (10 points) Wellhead Protection Area: 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? Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) Coreater Than 1000 Ft (0 points) Greater Than 200 Ft (20 points) Coreater Than 200 Ft (20 points) Coreater Than 1000 Ft (0 points) Coreater Than						
RKS	Remarks: Redline Book-Gutsida VI						
REMARKS	One pit, pit is dry, will close one pit.						
<u>R</u>	PUSH IN						

FILLD PIT REMEDIATION/CLOSURE FORM

Meter: 74899 Location: J.R. Andrson # > Coordinates: Letter: A Section 26 Township: 25 Range: 3 Or Latitude Longitude Date Started: 10-5-94 Run: 08 9/								
	5	Sample Number(s): \(\sum{\sum{377}} \) Sample Depth: \(\sum{\sum{279}}{\sum{5399}} \) Final PID Reading \(\sum{\sum{999}}{\sum{4799}} \) Yes No Groundwater Encountered \(\sum{\sum{2799}}{\sum{2799}} \) Approximate Depth \(\sum{2799}{\sum{2799}} \) Feet						
CLOSURE	S	Remediation Method: Excavation						
REMARKS	┰	Remarks:						
	Si	gnature of Specialist: Vale Wilson (SP3191) 03/16/94						



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

	SAMPLE	IDENTIFICA	TION			
	Field ID					
SAMPLE NUMBER:	vw 37	W 377		344347		
MTR CODE SITE NAME: 74898			N/A			
SAMPLE DATE TIME (Hrs):			1			
SAMPLED BY:	N/A					
DATE OF TPH EXT. ANAL.:	10-6-94					
DATE OF BTEX EXT. ANAL.:	N 14		N N			
TYPE DESCRIPTION:	V G		Brown 5	Brown Sand & Clay		
REMARKS: _						
	F	RESULTS				
PARAMETER	RESULT	UNITS		QUALIFIERS		
TAINAILETEIT			DF	Q	M(g) V(ml)	
TPH (418.1)	116	MG/KG			20128	
HEADSPACE PID	4	PPM				
PERCENT SOLIDS	93.6	%				
		TPH is by EPA Meti	nod 418.1	-		
arrative:						
F = Dilution Factor Used						

Date: 10-13-94

****************** Test Method for Oil and Grease and Petroleum Hydrocarbons * in Water and Soil * * Ferkin-Elmer Model 1600 FT-IR * Analysis Report *********************** 34/10/06 15:33 Sample identification 346347 Initial tess of sample: q - Vulume of sample after extraction. ml 12.000 . Deineigum tydrocambens, ppm 15.7711. Substitution of Nathicaribons (2010 om-1)

