DEDUTY OIL & GAS MEDICATED

DEC 2 % 1881

Meter Number:87273
Location Name:SUNRAY B#4
Location:TN-30 RG-10
SC-01 UL-E
2 - Federal
NMOCD Zone:OUTSIDE

Hazard Ranking Score:00

DECEIVED N APR 1 4 1997

OIL CON. DIV

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

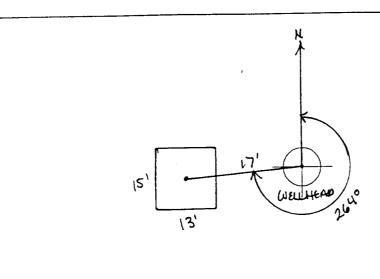


GENERAL	Meter: \$7273 Location: SUNRAY B #4 Operator #: Operator Name: Meridian P/L District: Aztec Coordinates: Letter: & Section Township: 30 Range: _/O Or					
	NMOCD Zone: (From NMOCD Maps) Inside Outside Land Type: BLM ◯ (1) State ☐ (2) Fee ☐ (3) Indian					
	Depth to Groundwater Less Than 50 Feet (20 points)					
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: POINTS					
3KS	Remarks: REDUNE & TOPO SHOW LOCATION DUTSINE V.Z. TWO PITS ON LOCATION. UN-LINED SEPERATOR PIT BELONGS TO EPNG.					
REMARKS	INVI CLOSE PIT.					
RE.	Push IN					

ORIGINAL PIT LOCATION

Original Pit: a) Degrees from North 264° Footage from Wellhead 17'

b) Length: ___15' Width: ___13' __ Depth: ____2'



REMARKS	Remarks: Photos-1226

Completed By:

Signature

2.8.95

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 87273 Location: Sunkay 8*4 Coordinates: Letter: E Section 1 Township: 30 Range: 10 Or Latitude Longitude Date Started: 1-27-95 Run: 04 92
FIELD OBSERVATIONS	Sample Number(s): MK 40 4 Sample Depth: Feet Final PID Reading PPm
CLOSURE	Remediation Method: Excavation Onsite Bioremediation Backfill Pit Without Excavation Soil Disposition: Envirotech Other Facility Name:
REMARKS	Pit Closure Date: 2-27-95 Pit Closed By: BEJ
	Signature of Specialist: Morgan 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:	MIL HON		946708				
MTR CODE SITE NAME:	87273			N/A			
SAMPLE DATE TIME (Hrs):	2-27-95		1315				
SAMPLED BY:	N/A						
DATE OF TPH EXT. ANAL.:				7-28-95			
DATE OF BTEX EXT. ANAL.:							
TYPE DESCRIPTION:	NG		Ley 50	nd di	tarj		
					l		
REMARKS:		_					
				····			
	R	ESULTS					
							
PARAMETER	RESULT	UNITS		IERS	•		
/ Alvanizia.			DF	<u>a</u>	M(g)	V(ml)	
TPH (418.1)	30/0	MG/KG			2.11	28	
HEADSPACE PID	725	PPM					
PERCENT SOLIDS	9 7.3	%					
PERCENT SOCIO		TPH is by EPA Method	1 418.1				
Narrative:				-			
DF = Dilution Factor Used							
			D-4	3-20-	9		
Approved By:			Date:	-			

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

FACTOR.