DEPUTY OIL & GAS MERRESTION

DEC 2 9 1997

Meter Number:93921
ocation Name:CARTER COM #1E

Location:TN-27 RG-12

SC-10 UL-P

3 - Navajo

NMOCD Zone:OUTSIDE

Hazard Ranking Score:00

RATIONALE FÖR 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 FORMEL PASOFIELD SERVICES

GENERAL	Meter: 93-92 Location: Carter Com Well No. IF Operator #: 1987 Operator Name: Meridian P/L District: Angel Peak Coordinates: Letter: P Section 10 Township: Z7 Range: 12 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 9/14/94 Area: 01 Run: Z2							
	NMOCD Zone: (From NMOCD Land Type: BLM (1)							
	(TOTT MINOCD							
	Inside \Box (1) Fee \Box (3)							
	Outside (2) Indian Navaio							
	Depth to Groundwater Less Than 50 Feet (20 points) [(1)							
	1 50) Et to 00 El (40 · · · · · · · · · · · · · · · · · · ·							
	Greater Than 100 Ft (0 points) (2)							
Ţ	Wellhead Protection Area:							
ASSESSMENT	Is it less than 1000 ft from wells springs							
	points) (2) NO (0 points)							
	norizontal Distance to Surface Water Dad-							
SITE	Less Than 200 Ft (20 points) (1) 200 Ft to 1000 Ft (10 points) (2)							
Δ	Greater Than 1000 Ft (0 points) 🔀 (3)							
REMARKS	Name of Surface Water Body Galleges Canyon							
	(Surface Water Body : Perennial Rivers Mains W. L. C.)							
	Irrigation Canals, Ditches, Lakes, Ponds) Distance to Negrest Ephemeral Street (1)							
	Distance to Nearest Ephemeral Stream (1) < 100'(Navajo Pits Only)							
	TOTAL HAZARD RANKING SCORE: POINTS							
	Remarks: Redline Book - Outside Vulnicable Zone Topa- Outside Three pits, location drip pit is dry. Will close one pit.							
	i vi vi vi close one pit-							
<u> </u>	PUSH IN							

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL.	Meter: 93921 Location:Cortex Comm Well # /E Coordinates: Letter: P Section 10 Township: 27 Range: 12 Or Latitude Longitude Date Started: 10/21/94 Run: 01 22					
FIELD OBSERVATIONS	Sample Number(s): KD 345 Sample Depth:/2' Feet Final PID Reading205 PID Reading Depth Feet Yes No Groundwater Encountered Approximate Depth Feet					
CLOSURE	Remediation Method : Excavation					
	Envirotech					
REMARKS	Remarks: Dug test hale to 12', Took PiD seeding Closed pit.					
	Signature of Specialist: New Dear					



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

	SAMPLE	IDENTIFICA	TION			
	Field	ID		Lab ID		
SAMPLE NUMBER:	KD 345		946438			
MTR CODE SITE NAME:	93921					
SAMPLE DATE TIME (Hrs):	10-21-94		084			
SAMPLED BY:	N/A					
DATE OF TPH EXT. ANAL.:	10-26	-94				
DATE OF BTEX EXT. ANAL.:	719		Borns			
TYPE DESCRIPTION:	V C		Brown	Jond		
REMARKS:						
		RESULTS				
PARAMETER	RESULT UNITS		QUALIFIERS DF Q M(g) V(n			<u>, </u>
TPH (418.1)	9810982	°/2⊾/4∓ ⊃ MG/KG			0.92 28	
HEADSPACE PID	205	PPM				
PERCENT SOLIDS	93.4	%				
		TPH is by EPA Method	418.1			
Narrative:						
DF = Dilution Factor Used	·····					
Approved By:		 	Date:		3/94	

