Denny & Fredor

DEC 29 1997

Meter Number:71775 tion Name:SAN JUAN 28-7 UNIT #78

Location:TN-27 RG-07

SC-19 UL-A 2 - Federal

NMOCD Zone:OUTSIDE

Hazard Ranking Score:00

DECEIVED N APR 1 4 1997

RATIONALE FOR RESK-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: 71775 Location: San Juan 28-7 Unit 78 Operator #: 0203 Operator Name: Amoro P/L District: Blanco Coordinates: Letter: A Section 19 Township: 27 Range: 7 Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other: Site Assessment Date: 6/6/94 Area: 03 Run: 32							
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Depth to Groundwater Less Than 50 Feet (20 points) The points is a second of the point is a second of the p							
	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							
RKS	Remarks: Redline-Duride, Vula, - Durside 2pts. Closel. Liquid impit. Called Blanco DFFice							
REMARKS	Bianco UT 1768							
H	PUSH-IN							

MARCH TO THE MARCHET

FIELD PIT REMEDIATION/CLOSERE FORM

GENERAL	Meter: 7/75 Location: SAN Juan 28-7 *78 Coordinates: Letter: A Section 19 Township: 27 Range: 7 Or Latitude Longitude Date Started: 8-17-94 Run: 03 32							
FIELD OBSERVATIONS	Sample Number(s): MK 267 NK 268 NK 269 Sample Depth: Y' Feet Final PID Reading 348 PID Reading Depth 4' Feet Yes No Groundwater Encountered \(\begin{array}{c c}							
CLOSURE	Envirotech							
REMARKS	Pit Closure Date: 3-17-94 Pit Closed By: BEI Remarks: Epugines marked pit Had 3'or4' In Boil Ewater In bottom when we started Gray Soil Strong HyDrocarbon ador Hit Sand Stone 4' Signature of Specialist: Awyan Killion							



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	SAMPLE	IDENTIFICA				
	Field ID			Lab ID		
SAMPLE NUMBER:	m/2 267		945956			
MTR CODE SITE NAME:	71775	N/A				
SAMPLE DATE TIME (Hrs):			1030			
SAMPLED BY:	, ,					
DATE OF TPH EXT. ANAL.:	3113 94		9/18/94			
DATE OF BTEX EXT. ANAL.:	NIM		ن،	n [w		
TYPE DESCRIPTION:	JG		Brown	sand la	· Jan	
		RESULTS				
PARAMETER	RESULT	UNITS	QUALIFIERS DF Q M(g) V(mi)			
TPH (418.1)	41,400	MG/KG			C.21	28
HEADSPACE PID	348	PPM				
PERCENT SOLIDS	90.2	%				
		TPH is by EPA Meth	od 418.1 ··			
arrative:						
F = Dilution Factor Used						
pproved By:			Date:	<u> </u>	lav	



