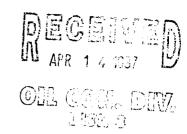
Denny & Fout DEPUTY ON & GAS INSPECTOR

DEC 2 9 1997

HAPPOVEC!

Meter Number:73416
Location Name:SAN JUAN 28-5 #55
Location:TN-28 RG-05
SC-23 UL-L
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

GENERAL	Meter: 7346 Location: SAN JUAN 28-5 #SS Operator #: 2999 Operator Name: MERIDIAN P/L District: BLOOMFIELD Coordinates: Letter: L Section 23 Township: 28 Range: 5 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 6:2.94 Area: D Run: 71
SITE ASSESSMENT	NMOCD Zone: Canal Type: BLM
REMARKS	Remarks: Two PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY, LOCATION IS ON A MESA S.E. OF GENERAL AMERICAN RD. REDUNK AND TOPO CONFIRMED LOCATION IS OUTSIDE V.Z.

Date

Signature

FIEL PIT REMEDIATION/CLOSUL FORM

GENERAL	Meter: 734/6 Location: SAN Juan 28-5 #55 Coordinates: Letter: L. Section 23 Township: 28 Range: 5 Or Latitude Longitude Date Started: 7-6-54 Area: 10 Run: 7/
FIELD OBSERVATIONS	Sample Number(s): MK90 MK91 NK92 Sample Depth: 12 Feet Final PID Reading 185 PID Reading Depth 12 Feet Yes No Groundwater Encountered (1) (2) Approximate Depth Feet
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks: <u>FPNG lines were marked soil Brown strong</u> Hyprocarbon over Signature of Specialist: <u>Mwgan Lillion</u>



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

	SAMPLE	IDENTIFICA	TION			
	Field	ID		Lab ID		
SAMPLE NUMBER:	mk93	<u> </u>	945	597		
MTR CODE SITE NAME:	73416		N/A			
SAMPLE DATE TIME (Hrs):	7-6-94		1438			
SAMPLED BY:		N	7794			
DATE OF TPH EXT. ANAL.:	7/7/0	74				
ATE OF BTEX EXT. ANAL.:	NIA		2 1 1 0	<u> </u>		<i>.</i>
TYPE DESCRIPTION:	٧G		led/Box	n Clay	1/5ana	diane
REMARKS:						
		RESULTS				
			T			
PARAMETER	RESULT UNITS	UNITS	QUALIFIERS			Month
		 	DF	Q	M(g)	V(ml)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG		. <u> </u>		
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				0.4
TPH (418.1)	676	MG/KG			2.02	28
HEADSPACE PID	189	PPM		···-		
PERCENT SOLIDS	86.6	%				
	TPH is by FPA Method 4	118.1 and BTEX is by EP	A Method 8020 -			

)F = Dilution Factor Used

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Sample identification 45577

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'Youane of sample efter extraction, al

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