Denny S. Fourt
DEPUTY OIL & GAS INSPECTOR

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DEC 30 1997

Meter Number:90336
Location Name:S.J. 29-7 #111
Location:TN-29 RG-07
SC-31 UL-K
2 - Federal
NMOCD Zone:OUTSIDE
Hazard Ranking Score:00

PECETYED

APR 1 4 1997

OIL GON. 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: 90336 Location:Operator Name: MERIDIAN P/L District: Blanco Coordinates: Letter: K Section 31 Township: 29 Range: 7 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: Area: Run:
SITE ASSESSMENT	NMOCD Zone: Canal Type: BLM (1)
	TOTAL HAZARD RANKING SCORE: POINTS
REMARK	Remarks: REDLINE: TOPO SHOW LOCATION OUTSIDE U.Z. TWO PITS ON LOCATION. DNE BELONGS TO MERIDIAN. WILL (LOSE EPNGS PIT. PICH IN

Date

Signature

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 90336 Location: S.J. 29-7
FIELD OBSERVATIONS	Sample Number(s): mk 396 Sample Depth:3' Feet Final PID Reading251 PID Reading Depth3' Feet Yes No Groundwater Encountered
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks: Arrived Oug Sample Hole Hit Sand stone 3' Soil Gravish brown Strong Hyproca/Gon odor Signature of Specialist: Morgan Kielian



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

Г	TIO TIO	ld ID		Lab ID		
SAMPLE NUMBER:	mk 396		وبا	946696		
MTR CODE SITE NAME:	90336		N/A			
SAMPLE DATE TIME (Hrs):	2.22.95		NUS			
SAMPLED BY:	N	N/A				
DATE OF TPH EXT. ANAL.:	2.28 95		2-28.95			
ATE OF BTEX EXT. ANAL.:						
TYPE DESCRIPTION:	VG	VG		Brown sand producting		
		RESULTS				
- A - A - A - A - A - A - A - A - A - A	PARAMETER RESULT	UNITS		QUALIFIE	PC	
PARAMETER	RESULT	UNIIS	DF	Q	M(g)	V(ml)
		MG/KG	DF			V(ml)
TPH (418.1) HEADSPACE PID	233 251		DF		M(g)	
TPH (418.1)	233	MG/KG		Q	M(g)	
TPH (418.1) HEADSPACE PID	233	MG/KG PPM		Q	M(g)	

Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil

Perkin-Elmer Model 1600 FT-IR Analysis Report

95/02/28 1.6:39

Sample identification 946696

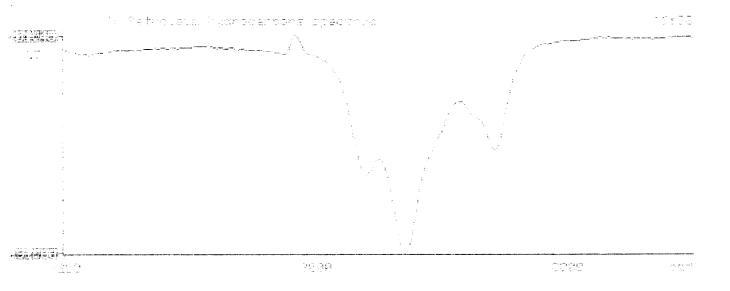
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