Denny & Fourt
DEPUTY OIL & GAS INSPECTOR

DEC 2 2 1997

Meter Number: 94296
Hocation Name: SAN JUAN 31-6 #6A
Location: TN-30 RG-07
SC-01 UL-E
2 - Federal

NMOCD Zone:OUTSIDE Hazard Ranking Score:00



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:

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 EL PASOFIELD SERVICES

GENERAL	Meter: 94296 Location: SAN JUAN 31-6 #6A Operator #: 7035 Operator Name: PHILLES P/L District: BLOOMFIELD Coordinates: Letter: E Section Township: 30 Range: 7 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 6.6.94 Area: 10 Run: 82			
SITE ASSESSMENT	Less Than 200 Ft (20 points) (1) 200 Ft to 1000 Ft (10 points) (2)			
REMARKS	Remarks: ONLY PIT ON LOCATION. PIT IS DRY, LOCATION IS ON A MESA NORTH OF THE SIMS HOW REDLINE AND TOPO CONFIRMED LOCATION OUTSINE U.Z. PLISH INT.			

(SP3190) 04/08/9

Z	Original Pit : a) Degrees from Nor	IT LOCATION th _23° Footage from Wellhead _43' Width :23' Depth :2'
ORIGINAL PIT LOCATION	W	23°/ 23' 13 143
	Remarks: Took Pictures AT 3:37 P.M. END DUMP	
REMARKS		
	Completed By:	6.6.94
	Signature '	Date

FIL D PIT REMEDIATION/CLOST .E FORM

GENERAL	Meter: 94296 Location: SAN Juan 31-6 # 6A Coordinates: Letter: E Section 1 Township: 30 Range: 72-1/13/94/8/C Or Latitude Longitude Longitude Date Started: 7-12-94 Area: 10 Run: 82			
FIELD OBSERVATIONS	Sample Number(s): in (/) Sample Depth: _3' Feet Final PID Reading			
CLOSURE	Remediation Method: Excavation			
REMARKS	Pit Closure Date: 7-12-94 Pit Closed By: BET Remarks: EPNG 1.Nes Marked Soil Brown NO HYDrocarbon odor Het Sand Stone 3' Signature of Specialist: Morgan Xillian			

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FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID		
SAMPLE NUMBER:	MK 121	945645		
MTR CODE SITE NAME:	94296	N/A		
SAMPLE DATE TIME (Hrs):	7-12-94	1245		
SAMPLED BY:	N/A			
DATE OF TPH EXT. ANAL.:	7-14-5-	7/14/44		
DATE OF BTEX EXT. ANAL.:	NA	NIA		
TYPE DESCRIPTION:	V 6-	Fine Brown Sand/Clay		

REMARKS:		

RESULTS

PARAMETER	RESULT UNITS	QUALIFIERS				
			DF	Q	M(g)	V(ml)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	10.2	MG/KG			2.02	28
HEADSPACE PID	8	PPM				
PERCENT SOLIDS	93.6	%				

- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

OF = Dilution Factor Used

7/17/61/

a Surrogate Recovery was at _______% for this sample All QA/QC was acceptable.

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

Perkin-Elmer Model 1600 FT-IR Analysis Report ************************

94/07/14 10:3B

Sample identification 745645

Thibled mass of sample, g

Values of sample after extraction, ml $_{\odot}$

Patroleum hydrocarbons, ppm .184 Mrt abecidance of hydrocarbons (2730 cm-1)

ILLEGIBLE

