Denny S. Fourt
DEPUTY OIL & GAS INSPECTOR

DEC 3 0 1997

Approved

Meter Number: 70223
Location Name: DAY B#3
Location: TN-29 RG-08
SC-08 UL-B
2 - Federal
NMOCD Zone: OUTSIDE
Hazard Ranking Score: 00

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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

GENERAL	Meter: 70223 Location:
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside Depth to Groundwater Less Than 50 Feet (20 points) Greater Than 100 Ft (0 points) 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? Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) Greater Than 1000 Ft (10 points) Greater Than 1000 Ft (10 points) (3) Horizontal Distance to Surface Water Body Less Than 200 Ft (20 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
REMARAS	Remarks: ONLY PIT ON LOCATION. PIT IS DRY. LOCATION IS UP ON TOP OF MANZAMARES MESA. REPLINE SHOWS LOCATION IS INSIDE THE V.Z. V.Z. BUT TOPO SHOWS THAT IT IS DUTSIDE THE V.Z. DISH IN

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 70223 Location: DAY B #3 Coordinates: Letter: 8 Section 8 Township: 29 Range: 3 Or Latitude Longitude Date Started: 6-28-54 Area: 10 Run: 31
FIELD OBSERVATIONS	Sample Number(s): MK 60 Sample Depth: Feet Final PID Reading PID Reading Depth Feet Yes No Groundwater Encountered [(1)] (2) Approximate Depth Feet
CLOSURE	Remediation Method: Excavation
REMARKS	Other Facility (2) Name: Pit Closure Date: 6-28-94 Pit Closed By: BEI Remarks: EPNGLINGS Marked Soil Gray strong Hydrocarbox Odos H.t Sond Stance at 5'
\	Signature of Specialist: Morgan Zillion (SP3191) 04/07/94



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Fiel	ld ID		Lab ID		_	
SAMPLE NUMBER:	MILLO	D	945	945551			
MTR CODE SITE NAME:	7022	70223		N/A			
SAMPLE DATE TIME (Hrs):	6-28-94		17/0				
SAMPLED BY:	N/A					4	
DATE OF TPH EXT. ANAL.:	N/A V G-		10/301941 NIA			4	
DATE OF BTEX EXT. ANAL.:						4	
TYPE DESCRIPTION:			Mes 0:24	Friencian Sand Stone			
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)	232	MG/KG			1,97	28	
HEADSPACE PID	267	PPM				_	
PERCENT SOLIDS	90.3	%		·			
e Surrogate Recovery was at rrative:	TPH is by EPA Method 41		A Method 8020 – Ie All QA/QC w	as accep	table.		
= Dilution Factor Used proved By:			Date:	enst c			

三米市本本本市共享市大学市大学市大学中国的工作、"安全部的一个工作,这个工作的一个工作。" Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil Perkin-Elmer Model 1600 FT-IR Analysis Report 14/03/156 : : :::25 Temple () And the first temple of the control of t to the second

Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil Perkin-Elmer Model 1600 FT-IR Analysis Report 24/06/30 14:23 Sample identification 745551 Drikial rass of sample, ; Molume or mascle siter extraction, al 19.000 Telbrio Bellino (Bristoppie i Thereto) (2000) TITLE VIDE The belging a street also for a contact per # 170730 (2006) The third sum of given our spans of sections 43.42

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

> Ferkin-Elmer Model 1600 FT-IR Analysis Report

74/06/30 14:23

Sample identification 345551

| Xoitial cass of sample. | p | 1.970

-Volume of cample after extraction, wi 19.000

Februiser hydrocenbors ppm NIC.279 Neb absorbance or byo roze<mark>oers</mark> (2730 com)

