DEC 2 0 1997

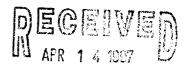
Meter Number:89576 Location Name:SAN JUAN 29-6 #6A

Location:TN-29 RG-06 SC-21 UL-C

4 - Fee

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:

10⁻⁹ to 10⁻¹³ cm/sec Sandstone 10⁻¹² to 10⁻¹⁶ cm/sec Shale 10⁻¹² to 10⁻¹⁵ cm/sec Clay

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: 89576 Location: SAN JUAN 29-6 #6A Operator #: 7035 Operator Name: PHILLIPS P/L District: Bloomfield Coordinates: Letter: C Section 21 Township: 29 Range: 6 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 5:27.94 Area: 10 Run: 61
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside Depth to Groundwater Less Than 50 Feet (20 points) ☐ (1) Greater Than 100 Ft (0 points) ☐ (2) Greater Than 1000 ft from wells, springs, or other sources of fresh water extraction?, or; ls it less than 200 ft from a private domestic water source? ☐ (1) YES (20 points) ☐ (2) 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
KS	Remarks : ONLY PIT ON LOCATION. PIT IS DRY. LOCATION IS NORTH OF HWY.
REMARKS	64 TO DULCE REDLINE AND TOPO CONFIRMED LODATION IS OUTSIDE V.Z.
RE	Push in
	T US/17 / N

1

(SP3190) 04/08/9

FIELD PIT REMEDIATION/CLOSURE FORM

·	20-7/1
GENERAL	Meter: 89576 Location: SAN Juan 29-6 6A Coordinates: Letter: C Section 2/ Township: 29 Range: 6 Or Latitude Longitude Longitude Date Started: 6-30-54 Area: 10 Run: 6/
FIELD OBSERVATIONS	Sample Number(s): MK 70 MK 72 Sample Depth: 12 Feet Final PID Reading 254 PID Reading Depth 12 Feet Yes No Groundwater Encountered (1) (2) Approximate Depth Feet
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks: EDNG lives marked Soil Dark Brown Slight Hyprocarbon oder Signature of Specialist: Magan Killian (593191) 94/97/9



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

Field ID			Lab ID			
SAMPLE NUMBER:	MK 72		945	945568		
MTR CODE SITE NAME:	89 57 4 4-30-94			N/A ルイン		
SAMPLE DATE TIME (Hrs):						
SAMPLED BY:	N/A					
DATE OF TPH EXT. ANAL.:	XT. ANAL.: 7794		7/7/94			
DATE OF BTEX EXT. ANAL.:	OF BTEX EXT. ANAL.: NA / A			N 14		
TYPE DESCRIPTION:	16		DK Ban	DK Bown Sand Iclay		
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)	119	MG/KG			2.09	28
HEADSPACE PID	254	PPM				
PERCENT SOLIDS	85.6	%				
ne Surrogate Recovery was at	TPH is by EPA Method 4	118.1 and BTEX is by EPA		was accep	otable.	

noroved Bv:

Test Method for Oil and Grease and Fetroleum Hydrocarbons in Water and Soil Perkin-Elmer Model 1600 FT-IR Teache iteachtan TEAS — JWD 7/7/44 ulaī akas dif yamdida g out to America in a filter to #16 to Fritzisten, or su .9:30 The Market 1300 1929

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