JENNY & FOUT

DEC 2 9 1997

Meter Number:89687
ocation Name:SAN JUAN 28-7 UNIT #235
Location:TN-28 RG-07
SC-10 UL-E
2 - Federal

NMOCD Zone: OUTSIDE Hazard Ranking Score: 00

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Approved

ONALE 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: 39687 Location: San Juan 28-7 Unit 235 Operator #: D203 Operator Name: Amoco P/L District: Blanco Coordinates: Letter: E Section ID Township: 28 Range: 7 Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other: Site Assessment Date: 6/8/94 Area: 13 Run: 41							
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? (1) YES (20 points) (2) (3) Wellhead Protection Area: Is it less than 200 ft from a private domestic water source? (1) YES (20 points) (2) (3) (4) (5) (6) (7) (8) (8) (9) (1) (1) (1) (2) (3) (3) (4) (5) (6) (7) (7) (8) (8) (8) (9) (1) (1) (1) (2) (3) (4) (5) (6) (7) (7) (8) (8) (9) (9) (9) (9) (9) (9							
	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							
RS	Remarks: Relline + Vula - Outside							
REMARKS	2pHs. Will close PHDry							
REI	PUSHIN							

	ORIGINAL PIT LOCATION
Z	Original Pit : a) Degrees from North <u>105°</u> Footage from Wellhead <u>36′</u> b) Length : <u>45′</u> Width : <u>33′</u> Depth : <u>5′</u>
ORIGINAL PIT LOCATION	105° 36' 45' 30'
	Remarks: Pictures @ (1254 (23-26) End Dump
MARKS	Fenced + Berned area of pit is 45 x 37. Actual pit is 33 x 27 x 5'
REMA	
; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	
	Completed By:
	Signature Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 89687 Location: San Jun 28-7 Unit 235 Coordinates: Letter: Section 10 Township: 28 Range: 7 Or Latitude Longitude Longitude Date Started: 8-31-44 Run: 13 41						
FIELD OBSERVATIONS	Sample Number(s): Vwa38 Sample Depth: Feet Final PID Reading PID Reading Depth Feet Yes No Groundwater Encountered						
CLOSURE							
REMARKS	Remarks: 4 loads back +:11 Signature of Specialist: Well Willen (SP3181) 03/15/8						
	Signature of Specialist. 4400 0-201 (SP3191) 03/16/9						



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

-	Field	iD	Lab ID			
SAMPLE NUMBER:	vw 238		946			
MTR CODE SITE NAME:	89 687		N/A			
SAMPLE DATE TIME (Hrs):	8-31-94		1630			
SAMPLED BY:	N/A					
DATE OF TPH EXT. ANAL.:	9-1-9-		9/194			
DATE OF BTEX EXT. ANAL.:	NA		الم الم			
TYPE DESCRIPTION:	v G		Propon Course Sand Ichay			
		RESULTS				
DADAMETED	RESULT	UNITS		QUALIFIERS		
PARAMETER		,	DF	Q	M(g) V(ml)	
TPH (418.1) 3	3 -13 And	9/12/9/G MG/KG			1,88 28	
HEADSPACE PID	235	PPM				
PERCENT SOLIDS	87.8	%				
Varrative:		TPH is by EPA Metho	od 418.1			
OF = Dilution Factor Used						
\ D				9/20/	^(/	



