Denny St. 72mot.
DEPUTY OIL & GAS INSPECTOR

DEC 2 9 1997

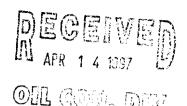
Meter Number:87291 Location Name:SAN JUAN 28-7 UNIT #158

Location:TN-28 RG-07 SC-23 UL-B

2 - Federal

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:

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: 2729 Location:
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside (I) Fee (3) Outside Indian 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) (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: D POINTS
RKS	Remarks: Relling-Dursile, Vula - Dursile
REMARKS	4pms. Closel. Pi+dry. (Orum in pit.)
RE	PUSH-IN

Z	ORIGINAL PIT LOCATION Original Pit: a) Degrees from North 108° Footage from Wellhead 36' b) Length: 30' Width: 31' Depth: 4'
ORIGINAL PIT LOCATION	Wellheud 30' 30' 39'
	Remarks: Pictures (21152 (14-18) End Oung
REMARKS	
,	
	Completed By:
	Signature Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 87291 Location: Sag Juga 28-7 Unit 158 Coordinates: Letter: Section 23 Township: 28 Range: 7 Or Latitude Longitude Longitude Date Started: 89-1-94 Run: 13 41
FIELD OBSERVATIONS	Sample Number(s): VW239 Sample Depth: 12' Feet Final PID Reading 262 PID Reading Depth 12' Feet Yes No Groundwater Encountered
CLOSURE	John Disposition.
REMARKS	



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

	SAMPLE I	DENTIFICAT	TION				
	Field II			Lab ID			
SAMPLE NUMBER:							
 -	1 w 239		944048 N/A				
MTR CODE SITE NAME: SAMPLE DATE TIME (Hrs):	87291		1030				
SAMPLED BY:	9-1-94 1030 N/A						
DATE OF TPH EXT. ANAL.:	9-6-9-		9/6/6	74			
DATE OF BTEX EXT. ANAL.:	NIA		2114				
TYPE DESCRIPTION:	٧ <i>٥</i> -		BROWN-C	FRAY SAN	RY ELAY		
'							
REMARKS:							
	R	ESULTS					
			 			1	
1	i i				QUALIFIERS		
PARAMETER	RESULT	UNITS		· · · · · · · · · · · · · · · · · · ·			
PARAMETER			DF	QUALIF	M(g)	V(ml)	
PARAMETER TPH (418.1) 51			DF	· · · · · · · · · · · · · · · · · · ·		V(ml)	
	RESULT SHOW July 242		DF	· · · · · · · · · · · · · · · · · · ·	M(g)		
TPH (418.1) 51	510 July	9/12/44 MG/KG	DF	· · · · · · · · · · · · · · · · · · ·	M(g)		
TPH (418.1) 51	510 July 242 85.0	9/12/44 MG/KG PPM		· · · · · · · · · · · · · · · · · · ·	M(g)		
TPH (418.1) 51	510 July 242 85.0	9 2 9 MG/KG PPM %		· · · · · · · · · · · · · · · · · · ·	M(g)		
TPH (418.1) 51 HEADSPACE PID PERCENT SOLIDS	510 July 242 85.0	9 2 9 MG/KG PPM %		· · · · · · · · · · · · · · · · · · ·	M(g)		
TPH (418.1) 51 HEADSPACE PID PERCENT SOLIDS Narrative:	510 July 242 85.0	9 2 9 MG/KG PPM %		· · · · · · · · · · · · · · · · · · ·	M(g)		

