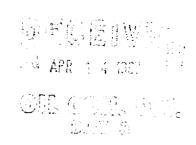
DEPUTYON G CAS INSPECTOR

DEC 2 9 1997

Meter Number:75761
Location Name:NICKSON #12
Location:TN-26 RG-08
SC-35 UL-F
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:

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: 75761 Location: NICKSON #/2 Operator #: Operator Name: MERIT ENGREY P/L District: BALLARD Coordinates: Letter: F Section 35 Township: 26 Range: 8 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 1.25.95 Area: 07 Run: 92					
	NMOCD Zone: (From NMOCD Maps) Inside Outside Land Type: BLM Z (1) State Z (2) Fee Z (3) Indian Indian					
SITE ASSESSMENT	Depth to Groundwater Less Than 50 Feet (20 points) ☐ (1) 50 Ft to 99 Ft (10 points) ☐ (2) Greater Than 100 Ft (0 points) ☐ (3)					
	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) NO (0 points)					
	Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points)					
	(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'					
į	TOTAL HAZARD RANKING SCORE: POINTS					
K	Remarks: REDUNE : TOPO SHOW LOCATION OUTSIDE U.Z. 2 PITS ON					
REMARK	LECATION. DEHY PIT BELONGS TO EPNIG. WILL CLOSE PIT.					
ZE SE	Push in					

ORIGINAL PIT LOCATION Original Pit: a) Degrees from North 102° Footage from Wellhead 104′ b) Length: 13′ Width: 12′ Depth: 2′
WELLHEAD TOW. 13'
Remarks: Photos-1204
Completed By:

Signature

1.25-95

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 75761 Location: Nickson #12 Coordinates: Letter: £ Section 35 Township: 26 Range: 8 Or Latitude Longitude Date Started: 6/2/95 Run: 07 92
FIELD OBSERVATIONS	Sample Number(s): KD 450 Sample Depth: 12' Feet That The Reading Depth 12' Tour Yes No Groundwater Encountered
CLOSURE	Excavation
PEMARKS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

	SAIVIPLE	E IDENTIFIC	ATION				
	Fie	ld ID		Lab ID			
SAMPLE NUMBER:	450		946867			1	
MTR CODE SITE NAME:	75761		N/A		†		
SAMPLE DATE TIME (Hrs):			1240			1	
SAMPLED BY:	SAMPLED BY:			N/A			
DATE OF TPH EXT. ANAL.:	L - S -	95	6-	6-5-95			
PATE OF BTEX EXT. ANAL.:							
TYPE DESCRIPTION:	VG		Gran To	or C	ોક <i>ા</i>		
REMARKS:			`\]	·			
		RESULTS					
-							
•			i		QUALIFIERS		
PARAMETER	RESULT	UNITS	75				
PARAMETER TPH (418.1)		-	DF	QUALIF Q	M(g)	V(ml	
	6390	UNITS MG/KG PPM	DF			V(ml	
TPH (418.1)		MG/KG	DF		M(g)		
<u> </u>		-	DF		M(g)		

************************* Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil Perkin-Elmer Model 1600 FT-IR Analysis Report 75/03/05 14:33 Samola identification 446867 isitial mass of sample, g Volume of samule after extraction, all 12,000 Patrijeum hydronarbose. opn 2011:29 ividia vilatriali. Nastu invasa antas a que insati introproposa antama (a. 1.1.2000 il partir di Notatione 4 1 1 to Remodisco by hopembers enections 1929 300 1339