DEPUTY OF A CASE A SEED TOR L

Meter Number:89655
Location Name:SAN JUAN 29-5 #77

Location:TN-29 RG-05 SC-26 UL-L

2 - Federal

NMOCD Zone: OUTSIDE Hazard Ranking Score: 00

DECEIVED N APR 1 4 1997

OIL GOM. DIW. Dist. 3

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.



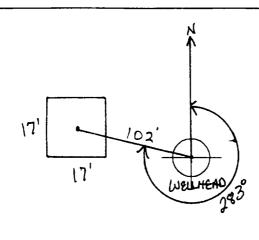
FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 8965 Location: SAN JUAN 29-5 #77 Operator #: Operator Name: Phillips P/L District: Bloomfield Coordinates: Letter: Section 26 Township: Range: Or						
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside Depth to Groundwater Less Than 50 Feet (20 points) Feet (20 points) Feet (20 points) (1) 50 Ft to 99 Ft (10 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) NO (0 points)						
	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 : 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						
REMARI.	Remarks: REDLINE & TOPO SHOW LOCATION OUTSINE V.Z. TWO ATS ON LOCATION. DEHY PIT BELONGS TO EPNG. WILL CLOSE PIT.						
RE	Push in						

ORIGINAL PIT LOCATION

Original Pit: a) Degrees from North <u>283°</u> Footage from Wellhead <u>102'</u>

b) Length : 17' Width : 17' Depth : 3'



Remarks	:

PHOTOS-1144

Completed By:

Signature ¹

2.24.95

Date

FIEL PIT REMEDIATION/CLOS' E FORM

GENERAL	Meter: 89655 Location: SAN JUNA 29-5*77 Coordinates: Letter: _L Section_26 Township: 29 Range: 5 Or Latitude Longitude Date Started: Run: _/o 7/						
FIELD OBSERVATIONS	Sample Number(s): Feet Sample Depth: Feet Final PID Reading PID Reading Depth Feet Yes No Groundwater Encountered						
CLOSURE	Remediation Method: Excavation						
REMARKS	Remarks: Arrived took Fence down Dug Sangle Hole fit w Soil In Pit was Gray all the way Down Had Strong Hypro Carbon odor Signature of Specialist: Morgan Xillian						



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	<u> </u>					
	Field ID			Lab ID		
SAMPLE NUMBER:	M K 449		9470			
MTR CODE SITE NAME:	40.4			N/A		
SAMPLE DATE TIME (Hrs):	07-25-95		10:30			
SAMPLED BY:	ED BY: N//					
DATE OF TPH EXT. ANAL.:	T. ANAL.: 7-26-95			7-26-95		
DATE OF BTEX EXT. ANAL.:			9	- I		
TYPE DESCRIPTION:	VG		Porown	Clay		
REMARKS:						
		RESULTS				
						
PARAMETER	RESULT	UNITS	DF	QUALIFIERS Q M(g)	V(ml)	
	<i>P</i> 11		DP		28	
TPH (418.1)	81.4	MG/KG		2.19		
HEADSPACE PID	230	РРМ				
PERCENT SOLIDS	75.8	%				
		TPH is by EPA Metho	d 418.1			
Narrative:						
DF = Dilution Factor Used			<u> </u>			
Approved By:(JE		Date:	8/3/45		

95/07/26 13:47

Sample identification 947071

Initial mass of sample, g 2.190

Volume of sample after extraction, ml 28.000

Petroleum hydrocarbons, ppm

Net absorbance of hydrocarbons (2930 cm-1)

0.021

