DEPUTY OIL & GAL SEPELITOR 1

Meter Number: 90058

Cil & Carlon Name: SAN JUAN 29-6 #11A

DEC 3 6 1597

Location:TN-29 RG-06 SC-07 UL-D 2 - Federal

NMOCD Zone:OUTSIDE Hazard Ranking Score:00 RECEIVED N APR 1 4 1997

OIL COM. DIV.

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 FORMEL PASOFIELD STA

GENERAL	Meter: 90088 Location: SAN JUAN 29-6 #11A Operator #: 7035 Operator Name: Phillips P/L District: BloomField Coordinates: Letter: D Section T Township: 29 Range: 6 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 5.26.94 Area: 10 Run: 61			
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside (2) Maps) 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) More 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:O POINTS			
REMARKS	Remarks: Two PITS ON LOCATION. WILL CLOSE BULY THE PIT IS DRY LOCATION IS WEST OF ROMINE CANYON. REPLINE AND TOPO CONFIRMED LOCATION IS OUTSIDE V.Z.			

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 90058 Location: San Juan 29-6 114 Coordinates: Letter: D Section 7 Township: 29 Range: 6 1/5/94 BR Or Latitude Longitude Date Started: 7-1-54 Area: 10 Run: 61
FIELD OBSERVATIONS	Sample Number(s): MK 75 Sample Depth:/2 Feet Final PID Reading/65
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks: <u>FPNG 1/NIS Markad</u> Soil Draft Brown strong HYDrocarbon odor Signature of Specialist: Mozgan Xillion



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

_	Field ID	Lab ID
SAMPLE NUMBER:	MK 75	945571
MTR CODE SITE NAME:	90058	N/A
SAMPLE DATE TIME (Hrs):	7-1-94	1038
SAMPLED BY:		N/A
DATE OF TPH EXT. ANAL.:	717194	7 7194
DATE OF BTEX EXT. ANAL.:	NIA	NIA
TYPE DESCRIPTION:	VG	Fine Brawn Grey Sand
		σ

RESULTS

REMARKS:

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)	391	MG/KG			2.00	28
HEADSPACE PID	169	PPIVI				
PERCENT SOLIDS	88.8	%				

- TPH is by EPA Method 418.	and BTEX is b	y EPA Method 8020 -
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The Surrogate Recovery was at	716	_% for this sample	All QA/QC was acceptable
Narrative:			

DF = Dilution Factor Used

Approved Dur

7/14/611



