Meter Number:71081

Location Name: SAN JUAN 31-6 MESA #6-1

Location:TN-30 RG-07

SC-01 UL-L 2 - Federal

NMOCD Zone:OUTSIDE

Hazard Ranking Score:00

DECEIVED 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:

DEPUTY OIL & GAS INSPECTOR

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: 1081 Location: SAN JUAN 31-6 MESA #6-1 Operator #: 7035 Operator Name: PHILLIPS P/L District: BLOOMFIELD Coordinates: Letter: L Section L Township: 30 Range: 7 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 6.6.94 Area: 10 Run: 82							
	NMOCD Zone: Land Type: BLM □ (1) (From NMOCD State □ (2) Maps) Inside □ (1) Fee □ (3) Outside □ (2) Indian □ Depth to Groundwater □ (1) □ (1) Less Than 50 Feet (20 points) □ (1) 50 Ft to 99 Ft (10 points) □ (2) Greater Than 100 Ft (0 points) □ (3)							
ASSESSMENT	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)							
SITE ASS	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:O POINTS							
REMARKS	Remarks: DULY PIT ON LOCATION. PIT IS DRY. LOCATION IS ON A MESA NORTH OF THE SIMS HWY. REDLINE AND TOPO CONFIRMED LOCATION OUTSIDE V.Z. PUSH IN							

FIL D PIT REMEDIATION/CLOS LE FORM

GENERAL	Meter: 7/08/ Location: SAN Juan 31-6 mesh #6-1 Coordinates: Letter: L Section / Township: 30 Range: 7 Or Latitude Longitude Date Started: 7-12-94 Area: 10 Run: 32								
FIELD OBSERVATIONS	Sample Number(s): MK/J								
CLOSURE	Remediation Method: Excavation								
REMARKS	Remarks: EPNG lines Marked soil Gratish brown strong HYDro Carbon odor Hit sand stone 4' Signature of Specialist: Morgan Xielian								



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

_	Field ID	Lab ID
SAMPLE NUMBER:	MK 122	945646
MTR CODE SITE NAME:	71081	N/A
SAMPLE DATE ! TIME (Hrs):	7-12-94	1331
SAMPLED BY:	7	N/A
DATE OF TPH EXT. ANAL.:	7-14-94	7/14/94
DATE OF BTEX EXT. ANAL.:	a) A	NIA
TYPE DESCRIPTION:	V 6-	Gray Fine Sand Clay
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RESULTS

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)	495	MG/KG			2,0.3	28
HEADSPACE PID	312	PPM				····
PERCENT SOLIDS	92.1	%				

	TOH is	hAFD4	Mathod	118 1 2	A RTEX	is by F	PA Meth	od 8020 –
_	. 12013	DVEFA	Method 4	410.12		13 DY C	L VICEU	00 0020 -

he Surrogate Recovery was at

NIA

% for this sample All QA/QC was acceptable.

arrative:

Test Method for

Oil and Grease and Petroleum Hydrocarbons

in Water and Soil

74/07/14 10:45

Sample identification 345646

Initial mass of sample, g

Volume of sample after extraction, al

Fatroleum hydrocarbons, ppm 95.466

Net absorbance of hydrocarbons (2930 cm-1)

ILLEGIBLE

