Meter Number: 70946

Location Name: SAN JUAN 30-6 #97

Location: TN-30 RG-07 SC-27 UL-G

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:

10⁻⁹ to 10⁻¹³ cm/sec Sandstone 10⁻¹² to 10⁻¹⁶ cm/sec Shale 10⁻¹² to 10⁻¹⁵ cm/sec Clav

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 this information, the residual hydrocarbons should not migrate to groundwater.

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: 70946 Location: SAN JUAN 30-6 #97 Operator #: Operator Name: MERIDIAN P/L District: BLOOMFIELD Coordinates: Letter: 6 Section 27 Township: 30 Range: 7 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 5.11.94 Area: 10 Run: 51					
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside					
KnS	Remarks: ONLY PIT ON LOCATION, PIT IS DRY, LOCATION IS ON TOP OF					
REMAK _n S	SMITH PASS. REDLINE AND TOPO CONFIRMED LOCATION TO BE OUTSIDE THE V.Z.					
EK.	Push In					

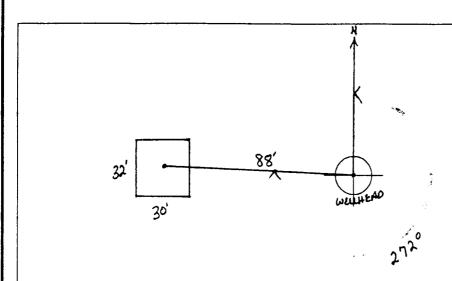
TION
LOCATION
PIT '
ORIGINAL
OR

REMARKS

ORIGINAL PIT LOCATION

Original Pit: a) Degrees from North 272° Footage from Wellhead 88′

b) Length : 32' Width : 30' Depth : 5.1.74 2'



TOOK PICTURES AT 1:04 AM. DUMP TRUCK - BOSTAIL	Remarks:					
Dump Truck - Bostail	TOOK PICTURES AT 1:04 AM.					
	DUMP TRUCK - BOBTAIL					

Completed By:

Signature

5.11.94

Date

FIEL PIT REMEDIATION/CLOSU FORM

GENERAL	Meter: 70946 Location: San Juan 30-6#97 Coordinates: Letter: G Section 27 Township: 30 Range: 7 Or Latitude Longitude Longitude Date Started: 6-15-94 Area: 10 Run: 51
FIELD OBSERVATIONS	Sample Number(s): VWZIO
جر ا	Remediation Method :
JRE	Excavation
CLOST	Soil Disposition: Envirotech (1) (3) Tierra Other Facility (2) Name:
	Pit Closure Date: 6-15-94 Pit Closed By: BEZ
RKS	Remarks: Line markers, Large pit, has drift tank in busin b' southerne
REMARKS	
; 	Signature of Specialist: Vali Wilsen



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	vw 210	945460
MTR CODE SITE NAME:	70946	N/A
SAMPLE DATE TIME (Hrs):	b - 15 - 94	1215
SAMPLED BY:		N/A
DATE OF TPH EXT. ANAL.:	6/16/94	6/16/44
DATE OF BTEX EXT. ANAL.:	NA	~ / A
TYPE DESCRIPTION:	VG	Beige Fire Sand Ch
		J

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS				
				Q	M(g)	V(mi)	
BENZENE		MG/KG					
TOLUENE		MG/KG					
ETHYL BENZENE		MG/KG					
TOTAL XYLENES		MG/KG					
TOTAL BTEX		MG/KG					
TPH (418.1)	K10	MG/KG			2.01	28	
HEADSPACE PID	248	PPM					
PERCENT SOLIDS	93,3	%					

- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 -

he Surrogate Recovery was at	NA	% for this sample	All QA/QC was acceptable
Jarrative:	•		

OF = Dilution Factor Used

JA Dod.

Mallan

********************** Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil

Perkin-Elmer Model 1600 FT-IR Analysis Report

74/06/16 15:02

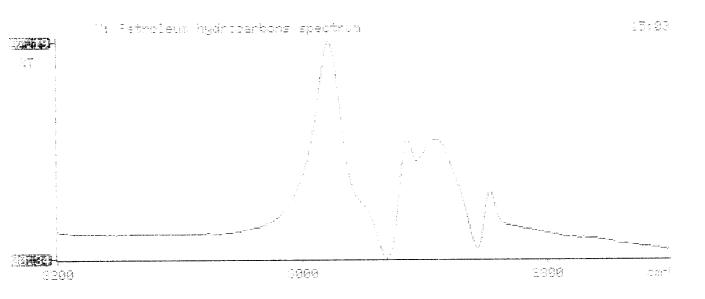
Sample identification °45460

Initial mass of sample, g

Volume of sample after extraction, ml 19.000

Petroleum hydrocerbone, ppm 2.209

Net absorbance of hydrocarbons (2700 cm-1)



ILLEGIBLE