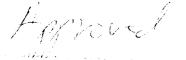
DIFUTURE CARRIED OF THE STREET

Meter Number:71958
Location Name:SAN JUAN 28-5 #18
Location:TN-28 RG-05
SC-11 UL-M
2 - Federal
NMOCD Zone:OUTSIDE

DECENVED

APR 1 4 1947

OUL COM. DUV.



RATIONALE FOR RISK-BASED CLOSURE OF PRODUCTION PITS LOCATED OUTSIDE OF THE VULNERABLE ZONE IN THE SAN JUAN BASIN

Hazard Ranking Score:00

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: 71958 Location: SAN JUAN 28-5 # 18' Operator #: 2999 Operator Name: MERIDIAN P/L District: Bloomfield Coordinates: Letter: M. Section II. Township: 28 Range: 5 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 5-2-94 Area: 10 Run: 71						
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Depth to Groundwater Less Than 50 Feet (20 points) Free (2) More (2) Indian Depth 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)						
Rks	Remarks: Two PITS ON LOCATION, WILL CLOSE ONLY ONE, PIT IS DRY. LOCATION IS UP ON A MESA. REDUNE AND TOPO CONFIRMED LOCATION						
REMARKS	IS DUTSIDE V.Z.						
RI	Prist IN						

ORIGINAL PIT LOCATION Original Pit: a) Degrees from North 42° Footage from Wellhead 67' ORIGINAL PIT LOCATION Remarks: TOOK PICTURES AT 1:42 P.M. END DUMP REMARKS Completed By: 6.2.94 Signature Date

FIELL IT REMEDIATION/CLOSUR FORM

GENERAL	Meter: 7/95% Location: SAN Juan 28-5 **18 Coordinates: Letter: M Section // Township: 28 Range: 5 Or Latitude Longitude Date Started: 7-7-94 Area: 10 Run: 7/
FIELD OBSERVATIONS	Sample Number(s): MK98 Sample Depth: Li' Feet Final PID Reading 173 PID Reading Depth 4' Feet Yes No Groundwater Encountered (1) (2) Approximate Depth Feet
CLOSURE	Remediation Method: Excavation
	Envirotech (1) (3) Tierra Other Facility (2) Name: Pit Closure Date: 7-7-94 Pit Closed By: BEX
REMARKS	Remarks: EPNGlin & Marked Soil light Brown strong HYDrocarbon oder Hit sand stone 41
1	Signature of Specialist: Morgan Zillio



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

	SAMPLE	IDENTIFICA	ATION			
	Field		702	Lab ID		
SAMPLE NUMBER:	MK98 RLB9/25/95		745011			
MTR CODE SITE NAME:		71953 71958		N/A		
SAMPLE DATE TIME (Hrs):	7/7/94		1111			
SAMPLED BY:		······································	I/A			
DATE OF TPH EXT. ANAL.:	7-12-94		7/12/94			
DATE OF BTEX EXT. ANAL.:		NIA		Д Д		
TYPE DESCRIPTION:	VG		Brown	Sand of	Clay	
REMARKS:					i,	
ncimanko.						
		RESULTS				
					=====================================	
PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE		MG/KG		<u> </u>		
TOLUENE		MG/KG				·
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	248	MG/KG			2.44	28
HEADSPACE PID	173	₽₽ M				
PERCENT SOLIDS	93.3	%				
	- TPH is by EPA Method 4					
he Surrogate Recovery was at	NIA	% for this samp	le All QA/QC	was accep	table.	

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

7/17/11

⁼ Dilution Factor Used

Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil Perkin-Elmer Model 1600 FT-IR Analysis Report ********************* 44/07/12 09:02 Sample identification Folicial mess of mample, g onlikes of s**ample** after extreption, al Pilar o Laus Oydinas sinbana, Ip**ps** 30 Juni is I consumo material de la registración de métados en 1900. PTAC J. Wallan

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