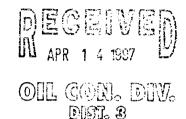
DEC 2 6 1997

Approved

Meter Number:71719
Location Name:SAN JUAN 28-5 #17
Location:TN-28 RG-05
SC-20 UL-K
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:

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

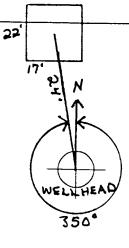
GENERAL	Meter: 71719 Location: Sendua 28-5#17 Operator #: Operator Name: Meridian P/L District: Glamfield Coordinates: Letter: K_ Section 20 Township: 28 Range: 05 Or Latitude Longitude Pit Type: Dehydrator X_ Location Drip: Line Drip: Other: Site Assessment Date: 3/9/95 Area: 10 Run: 52					
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Depth to Groundwater Less Than 50 Feet (20 points) 50 Ft to 99 Ft (10 points) Greater Than 100 Ft (0 points) Cand Type: State (1) State (2) Fee (3) Indian (1) (1) (2) (3)					
	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: O POINTS					
د	Remarks: Redhine shows outside Topo shows outside VZ					
MARK.	2 pits on Loc One has Dehy in service Old Dehy 2 pits on Loc PNG Will close old Dehy pit					

REMARKS

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North <u>350°</u> Footage from Wellhead <u>24'</u>

b) Length : <u>22'</u> Width : <u>17'</u> Depth : <u>4'</u>



Remarks:		
Photos: 1140		
Completed By:	 	

Date

Signature

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 71719 Location: SAN JUAN 28-5 #17 Coordinates: Letter: K Section 20 Township: 28 Range: 05 Or Latitude Longitude Date Started: 3117195 Run: 16 52
FIELD OBSERVATIONS	Sample Number(s): KB 451 Sample Depth: The state of the
CLOSURE	Remediation Method: Excavation Onsite Bioremediation Backfill Pit Without Excavation Soil Disposition: Envirotech Other Facility Name: Pit Closure Date: 3~/7~95 Pit Closed By: Remediation Approx. Cubic Yards Tierra Tierra Pit Closed By: Remediation Pit Closed By: Remediation
REMARKS	
1	Signature of Specialist: Kelly Todalle (SP3191) 03/16/94



FIELD SERVICES LABORATORY ANALYTICAL REPORT



PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

	SAMPLE II	DENTIFICA	TION			
	Field ID)		Lab ID		
SAMPLE NUMBER:	KP45)		946745			
MTR CODE SITE NAME:	7/7/19		1433			
SAMPLE DATE TIME (Hrs):						
SAMPLED BY:		N/	N/A			
DATE OF TPH EXT. ANAL.:	3/23/9	S	3/23/95			
DATE OF BTEX EXT. ANAL.:	NA		NIA			┧ 、
TYPE DESCRIPTION:	16		Dauly (bray line s	ane and) clary
REMARKS:						
	R	ESULTS				
PARAMETER	RESULT	UNITS	QUALIFIERS			V.,
			DF	Q	M(g)	V(ml)
TPH (418.1)	2570	MG/KG			1.97	28
HEADSPACE PID	295	PPM				
PERCENT SOLIDS	86.1	%				
THROLIVI GOZZ		TPH is by EPA Metho	d 418.1			
Narrative: DF = Dilution Factor Used						
				# .		
Approved By:	2		Date:	3-2	4-95	



