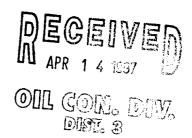
Denny & Tout OFFIT OF THE CONTROL OF

DEC 221997

Meter Number:89888
oction Name:W.D. HEATH B 1A
Location:TN-30 RG-09
SC-31 UL-I
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: 8988 Location: W.D. Heath BIA Operator #: 0200 Operator Name: Amoro P/L District: Bloomfield Coordinates: Letter: I Section 31 Township: 30 Range: 9 Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other: Site Assessment Date: 1/16/95 Area: 10 Run: 81							
SITE ASSESSMENT	NMOCD Zone: Land Type: BLM ∅ (1) (From NMOCD State ∅ (2) Maps) Inside ⋈ (1) Outside ⋈ (2) Indian Depth to Groundwater (2) Indian Less Than 50 Feet (20 points) ⋈ (1) 50 Ft to 99 Ft (10 points) ⋈ (2) Greater Than 100 Ft (0 points) ⋈ (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'							
tKS	Remarks: Realine Book: Outside Vulnerable Zone Topo: Outside							
REMARKS	Ypits. Clasel.							
RE	PUSH-IN							

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 89888 Location: WD Heath B*1 A Coordinates: Letter: T Section 31 Township: 30 Range: 9 Or Latitude Longitude Date Started: 1-31-95 Run: 10 83							
FIELD OBSERVATIONS	Sample Number(s): MK343 Sample Depth: _/2` Feet Final PID Reading/07							
CLOSURE	Excavation							
PFMARKS	Remarks: Arrived Took Fence Down Dug sample Hole Brown Soil Slight HY Procarbon adar							
	Signature of Specialist: Mogan Killion (593191) 03/16/9							



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

	SAMPLE	IDENTIFICA	TION							
	Field ID		Lab ID							
SAMPLE NUMBER:	MK 343		946615							
MTR CODE SITE NAME:	8988	N/A								
SAMPLE DATE TIME (Hrs):	1-31-95		1015							
SAMPLED BY:				/A						
DATE OF TPH EXT. ANAL.:	2/2/95		2/2/95							
DATE OF BTEX EXT. ANAL.:	NA		NA							
TYPE DESCRIPTION:	V (+		Park Brown fine gand and clan							
REMARKS:										
		RESULTS								
PARAMETER	RESULT	UNITS	DF L	QUALIFI Q	ERS M(g)	V(ml)				
TPH (418.1)	1160	MG/KG			1.96	28				
HEADSPACE PID	107	PPM		, si						
PERCENT SOLIDS	91.2	%			<u> </u>	1 1 1 1 1 1 1 1				
		TPH is by EPA Metho	od 418.1							
Narrative:										
DF = Dilution Factor Used)									
Approved By:	Date:	1-12	-75							

