Meter Number:71882

Benery S. Fourt Con

DEC 0 2 1997

pecation Name: NE BLANCO UT #38-31 (PIT#1)

Location:TN-31 RG-07 SC-31 UL-B

2 - Federal

NMOCD Zone:OUTSIDE

Hazard Ranking Score:00

PECETVER APR 1 4 1297

RATIONALE FOR RISK-BASED CLOSURE OF PRODUCTION PITS
LOGATED 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

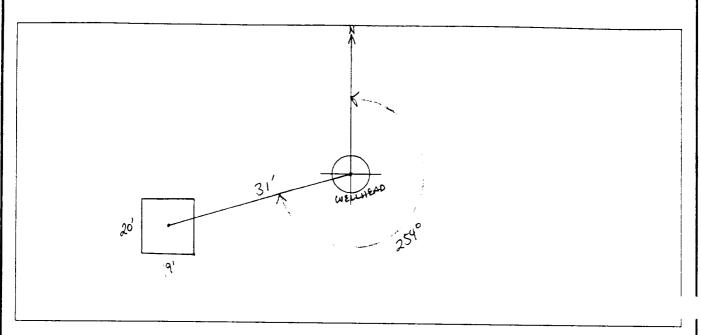
GENERAL	Meter: 71882 Location: N.E. RLANCO (UNIT #38-31 (PIT #1) Operator #: 0735 Operator Name:
SITE ASSESSMENT	NMOCD Zone: Cand Type: BLM
REMARKS	Remarks: Two PITS ON LOCATION, WILL CLOSE BOTH OF THEM. PITS ARE DRY. LOCATION IS ON A MESA ABOVE NAVASO LAKE, REDUNE SHOWS LOCATION IS INSIDE THE V.Z. BUT TOPO SHOWS THAT IT IS OUTSIDE THE V.Z. PUSH IN

REMARKS

ORIGINAL PIT LOCATION

Original Pit: a) Degrees from North <u>254°</u> Footage from Wellhead <u>31'</u>

b) Length : _____3' ___ Width : ____3'



-	
Remarks	•
MOINGING	•

TOOK PICTURES AT 1:50 P.M.

DUMP TRUCK - BOBTAIL

Completed By:

Taket Champson

Signature

5.6.94

Date

FIELD PIT REMEDIATION/CLOSUL_ FORM

GENERAL	Meter: 71882 Location: N.E. Blanco Vát # 38-31 (P+*1) Coordinates: Letter: B. Section 31 Township: 31 Range: 7 Or Latitude Longitude Date Started: 6-2-94 Area: 10 Run: 63
FIELD OBSERVATIONS	Sample Number(s): $VU173$ Sample Depth: $12'$ Feet Final P'D Reading 270 PID Reading Depth $12'$ Feet Yes No Groundwater Encountered 12 (1) 12 (2) Approximate Depth Feet
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks: No line Markers Signature of Specialist: Vale Wilson (SP3191) 94/97/9

-2-



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

Field ID			Lab iD			
SAMPLE NUMBER:	SAMPLE NUMBER: VW 173			945345		
MTR CODE SITE NAME:	71882	(1#4:9)		N/A		
SAMPLE DATE TIME (Hrs):			७३६			
SAMPLED BY:	N/A					
DATE OF TPH EXT. ANAL.:			6 6 94 ~/A			
ATE OF BTEX EXT. ANAL.:						
TYPE DESCRIPTION:			broi	Brown chan		
REMARKS:						
	-	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)	<10	MG/KG			2.01	28
HEADSPACE PID	270	PPM				<u> </u>
PERCENT SOLIDS	81.9	%				
Surrogate Recovery was at rative:	- TPH is by EPA Method 4	18.1 and BTEX is by EPA % for this sample		was accep	otable.	

******************* Test Method for * Oil and Grease and Petroleum Hydrocarbons in Water and Soil * Perkin-Elmer Model 1600 FT-IR 34/06/06 14:09 Sample identification 145345 Initial mass of sample, g "alume of exaple efter extraction, al (5.900 Tebroles várocarens pos 1911-AZT Tebrabacios de nicesca nicescances (DFTO comi) 1 DTA --- 34 ាំ ខេត្ត មាននិងនោះ សម្រេកនេះគេកេចនោះ និងមជាក់ការនេះ 1292 199