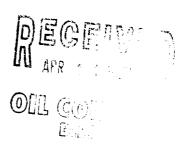
Meter Number: 75787 Location Name:FLORANCE #92 Location: TN-30 RG-09 SC-30 UL-O 2 - Federal

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<sup>-9</sup> to 10<sup>-13</sup> cm/sec Sandstone 10<sup>-12</sup> to 10<sup>-16</sup> cm/sec Shale 10<sup>-12</sup> to 10<sup>-15</sup> cm/sec Clav

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 FORMASOFIELD SERVICES

GENERAL	Meter: 75787 Location: FLORANCE #92  Operator #: 0203 Operator Name: Amoco P/L District: BloomFIELD  Coordinates: Letter: O Section 30 Township: 30 Range: 9  Or Latitude Longitude  Pit Type: Dehydrator Location Drip: X Line Drip:Other:			
	Site Visit Date: 4.14.94 Run: 10 83			
NMOCD Zone: Inside (From NMOCD Vulnerable Maps) Zone Outside  Depth to Groundwater Less Than 50 Feet (20 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 priva domestic water source?  Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points)  Horizontal Distance to Surface Water Body Coreater Than 1000 Ft (10 points)  Greater Than 1000 Ft (10 points)  Greater Than 1000 Ft (10 points)  Coreater Than 1000 Ft (10 points)  Name of Surface Water Body (Surface Water Body: Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)  TOTAL HAZARD RANKING SCORE:  POINTS				
REMARKS	Remarks: Two PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY.			

	ORIGINAL PIT LOCATION				
	Original Pit : a) Degrees from North <u>los</u> Footage to Wellhead <u>80'</u> b) Degrees from NorthFootage to Dogleg				
ATION	c) Length : Width : Depth :				
IT LOC	X				
ORIGINAL PIT LOCATION	\ \@				
ORIC	WEILHEAD 80'				
	1)'				
	Remarks:  STARTED TAKING PICTURES AT 2:48 P.M.				
	END DUMP				
ζ <b>O</b>					
REMARKS					
REA					
	Completed By:				
	Signature U.14.94  Date				

## FIELY PIT REMEDIATION/CLOSU FORM

·						
GENERAL	Meter: 75787 Location: Florance # 92  Coordinates: Letter: O Section 30 Township: 30 Range: 9  Or Latitude Longitude Longitude Date Started: 4674 Area: 40 Run: 93					
FIELD OBSERVATIONS	Sample Number(s): MK9  Sample Depth: 3' Feet  Final PID Reading 134 PID Reading Depth Feet  Yes No  Groundwater Encountered (1) (2) Approximate Depth Feet					
CLOSURE	Remediation Method:  Excavation					
REMARKS	Remarks: Black soil of somple depth live markers					
	Signature of Specialist: Margan Kilean					

(SP3191) 04/07/94



# FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

### SAMPLE IDENTIFICATION

_	Field ID	Lab iD		
SAMPLE NUMBER:	MK 3	445269		
MTR CODE   SITE NAME:	75787	N/A		
SAMPLE DATE   TIME (Hrs):	10-6-94	1400		
SAMPLED BY:	N/A			
DATE OF TPH EXT.   ANAL.:	6-7-94	6/7/94		
DATE OF BTEX EXT. ANAL.:	NΙΑ	۲۰ ۵		
TYPE   DESCRIPTION:	V G-	Grek conse sond		

REMARKS:		

### **RESULTS**

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(mi)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG			<u> </u>	
TOTAL BTEX		MG/KG				
TPH (418.1)	+50 148	JUN 412194 MG/KG		·	2.63	28
HEADSPACE PID	134	PPM				
PERCENT SOLIDS	92.7	%				

PERCENT SOLIDS

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

The Surrogate Recovery was at % for this sample All QA/QC was acceptable.

Narrative:

OF = Dilution Factor Used

Approved Ry:

Date: 61/16/44

Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil \* Perkin-Elmer Model 1600 FT-IR Anelyeis Report 34/05/07 15:37 Rwadia laskii satist 47319 jing Maria ang an ang ang ang ang ang in the contract of the contrac je gjoj kun i sinkok temes god The first of the control of the second of the second of