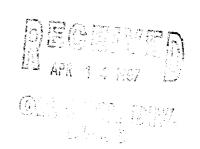
Servey S. Fourt DEPUTY OIL & GAS INSPECTOR

DEC 3 0 1997

Approced

Meter Number:89374
Location Name:FLORANCE #96
Location:TN-29 RG-09
SC-24 UL-H
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: \$9374 Location: FLORANCE #96 Operator #: 0203 Operator Name: Amoco P/L District: BloomField Coordinates: Letter: # Section 24 Township: 29 Range: 9 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 5-13-94 Area: 10 Run: 92			
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside (I) Fee (3) Outside (2) Indian 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 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 ————————————————————————————————————			
REMARKS	Remarks: REDUNE-INSDE TOPO-OUTSIDE V.F. ONE PIT ON LOCATION. NO LIQUIDS OK PARAFIN.			
	PUSH IN			

1

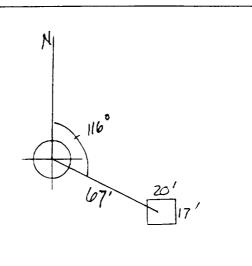
(SP3190) 04/08/94

REMARKS

Oludiiam III moomiton	ORIGINAL	PIT	LOCATION
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Original Pit: a) Degrees from North 1/6 Footage from Wellhead 67

b) Length: <u>20</u> Width: <u>17</u> Depth: <u>3'</u>



Remarks	

PHOTOGRAPHS AH-4 (1-4)

Completed By:

Signature

Date

5-13-94

FIEL PIT REMEDIATION/CLOSU FORM

GENERAL	Meter: 89374 Location: Flokance #96 Coordinates: Letter: H_ Section 14 Township: 19 Range: 9 Or Latitude Longitude Date Started: 124-34 Area: 10 Run: 91
FIELD OBSERVATIONS	Sample Number(s): MK 3.2 Sample Depth: Feet Final PID Reading Depth Feet Yes No Groundwater Encountered
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks: EfNG INES NOT PROCKED GRAY SOLL LOW HYDro curbon Smell Hit Sandstone 4' Signature of Specialist: Margan Kilcian

(SP3191) 04/07/9

FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID	
SAMPLE NUMBER:	MK 32	9455,4	
MTR CODE SITE NAME:	89374	N/A	
SAMPLE DATE TIME (Hrs):	4-24-94	0832	
SAMPLED BY:	N/A		
DATE OF TPH EXT. ANAL.:	6/27/94	6/27/94	
DATE OF BTEX EXT. ANAL.:	Ala	NIA	
TYPE DESCRIPTION:	V G-	It. Grey Clay Sand	
REMARKS:			
	DECI II TO		

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)	1950	MG/KG			2.12	28
HEADSPACE PID	67	PPM				
PERCENT SOLIDS	88.4	%				

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

The Surrogate Recovery was at Narrative:	NIA % for this sample	All QA/QC was acceptable.	
DF = Dilution Factor Used			
Approved By:	beli	Date: 7/14/90	

