Denny S. Fourt Location
DEPUTY OIL & GAS INSPECTOR

DEC 3 0 1997

Meter Number:89624
ocation Name:SAN JUAN 29-5 UNIT #71
Location:TN-29 RG-05
SC-16 UL-M
1 - State

NMOCD Zone:OUTSIDE Hazard Ranking Score:00 RECEIVED

APR 1 4 1897

ONL COM PROPERTY

ANG SINGD DOK E JEIG

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 FORMEL PASO FIELD SERVICES

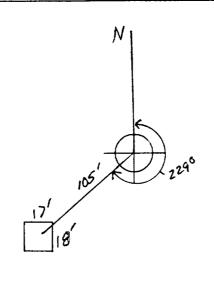
GENERAL	Meter: 89624 Location: SAN JUAN Z9-5 UNIT #7/ Operator #: 7035 Operator Name: PHICIPS P/L District: BLOOMFIRD Coordinates: Letter: M Section 16 Township: 29 Range: 5 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 5-14-94 WW 316144							
SITE 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) Land Type: BLM (1) State (2) Indian (1) Fee (3) (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)							
	TOTAL HAZARD RANKING SCORE: $(2) > 100'$							
REMARKS	Remarks: 2 PITS ON LOCATION, ONE PIT TO BE CLOSED. RED CINE - INSIDE VULNERABLE ZONE, FORO - OUTSIDE VILLNERABLE TONE							
<u>щ</u>	1 (SP3190) 04/08/94							

REMARKS

ORIGINAL PIT LOCATION

Original Pit: a) Degrees from North 229° Footage from Wellhead 105°

b) Length : ____/8 ' Width : ____/7 Depth : ______3' ____



Remarks:

PHOTOGRAPHS AH-5 (1-4)

DIRECTION: APPROXIMATELY 1.4 MILES FROM 527 PAVEMENT, TURN RIGHT ON LOCATION ROAD.

Completed By:

Maria Signature

5-14-94

Date

FIELL PIT REMEDIATION/CLOSUF FORM

GENERAL	Meter: 89624 Location: San Jaun 29-5 uni'+#71 Coordinates: Letter: M Section 16 Township: 29 Range: 5 Or Latitude Longitude Longitude Date Started: 6-22-941 Area: 10 Run: 61
FIELD OBSERVATIONS	Sample Number(s): MK 22 Sample Depth: 4 Feet Final PID Reading 7 PID Reading Depth 4 Feet Yes No Groundwater Encountered (1) (2) Approximate Depth Feet
CLOSURE	
REMARKS	Remarks: FPNG 11NOS VOIC MORKED SOIL VOS GRAY GH SCANC SOM SIC DEPTL 4' H. + 5500 Stone ROCK Signature of Specialist: Morgan Killian



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field	Lab ID			-					
SAMPLE NUMBER:	mk 22		945	945499						
MTR CODE SITE NAME:	89624			N/A						
SAMPLE DATE TIME (Hrs):	6-22	. gel	11 :	1128						
SAMPLED BY:	,	N/A								
DATE OF TPH EXT. ANAL.:	6/23(6/23/94		6/23/94						
DATE OF BTEX EXT. ANAL.:	NIA		N/A]				
TYPE DESCRIPTION:	٧		Brown s	Brown sand total						
REMARKS:										
······································		RESULTS			<u> </u>					
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			2.12	28				
HEADSPACE PID	7	PPM								
PERCENT SOLIDS	89,4	%								
	- TPH is by EPA Method 4	18 1 and RTEY is by ED4	Method 8020 -			ليبيين				

The Surrogate Recovery was at

DF = Diluton Factor Used

Narrative:

N for this sample All QA/QC was acceptable.

ILLEGIBLE