Denny S. For DEPUTY OIL & GAS INSPECT Cocation Name: MARTIN GAS COM F #1R

DEC 2 9 1997

Meter Number: 94846

Location: TN-27 RG-10 SC-14 UL-F

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:

10⁻⁹ to 10⁻¹³ cm/sec 10⁻¹² to 10⁻¹⁶ cm/sec 10⁻¹² to 10⁻¹⁵ cm/sec Sandstone Shale 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 FORM EL PASO FIELD SERVICES

GENERAL	Meter: 94-846 Location: Martin Gas Com F No. 1R Operator #: 0203 Operator Name: Ameco P/L District: Ange Peak Coordinates: Letter: F Section 14 Township: 27 Range: 10 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 9/28/94 Area: OL Run: 52							
SITE ASSESSMENT	NMOCD Zone: (From NMOCD (From NMOCD Maps) Inside Outside Outside (1) Fee (3) Indian Depth to Groundwater Less Than 50 Feet (20 points) (1) 50 Ft to 99 Ft (10 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) (3) Greater Than 1000 Ft (10 points) (3)							
	Name of Surface Water Body Armenta Canyon (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' TOTAL HAZARD RANKING SCORE: POINTS							
REMARKS	Remarks: Redline book: Outside, Vulnerable Zone Topo: Outside Three pits, location drippit is dry. Will close one pit: PUSH IN							

[14] : [#] <mark>공발</mark> (공항 역시 공원을 하시는)

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 94845 Location: Martin Gas ComF No 1R Coordinates: Letter: F Section 14 Township: 27 Range: 10 Or Latitude Longitude Date Started: 10-12+94 Run: 61 52
FIELD OBSERVATIONS	Sample Number(s): 1409 Sample Depth:/2 Feet Final PID Reading/85
CLOSURE	Remediation Method : Excavation
	Envirotech
REMARKS	Remarks:
	Signature of Specialist: Web Wilson



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

	SAMPLE	IDENTIFICA	TION			
	Field ID			Lab ID		
SAMPLE NUMBER:				946391		
MTR CODE SITE NAME:	94846		N/A			
SAMPLE DATE TIME (Hrs):	10-12-94		1625			
SAMPLED BY:				/A		
DATE OF TPH EXT. ANAL.:	10-13-94				i	
DATE OF BTEX EXT. ANAL.:	NIA		N/A			
TYPE DESCRIPTION:	4 G		Ilight 50	Light gay soud & clay		
-				ſ	1	
REMARKS:						
-		DECLU TO				
		RESULTS				
PARAMETER	RESULT	UNITS	DF	QUALIF	M(g)	V(mi)
	11/05			 _	12,17	28
TPH (418.1)	4696	MG/KG			1907	2-13
HEADSPACE PID	185	PPM				
PERCENT SOLIDS	91.8	%		1		
PERCENT SOCIDS		TPH is by EPA Meth	od 418.1 ·-			
Varrative:			_			
⊃F = Dilution Factor Used						
Approved By:			Date:	10/20	144	
Approved By:						-

******************* Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil

Perkin-Elmer Model 1600 FT-IR Analysis Report ********************

14/10/13 14:14

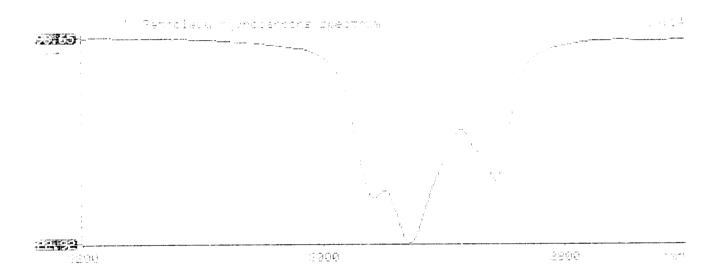
Sample identification 44391

Initial mass of sample, g

 $^{\prime\prime}$ lume of sample after extraction, ml 2.000

Februieum hydrocarbons, psm (490.201) Met steoreance of Medrocarbons (2930 cm-1)

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