DEPUTY OR & GAS INSPECTOR

Martin Contract Charles and the Building with the second second second second second

DEC 2 9 1997

Meter Number:71341

Location Name: HUERFANITO UNIT #14

Location:TN-26 RG-09 SC-01 UL-0

2 - Federal

NMOCD Zone:OUTSIDE

Hazard Ranking Score:00

DECEIVE N APR 1 4 1997

OIL CON. DIV. Dist. 3

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

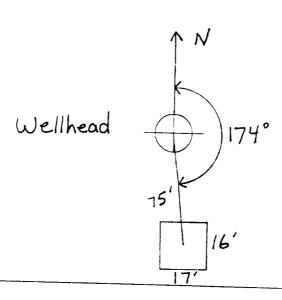
Z

GENERAL	Meter: 71341 Location: Huerfanito Nº 14 Operator #: 2999 Operator Name: Meridian P/L District: Ballard Coordinates: Letter: O Section L Township: 26N Range: 9 W Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 6-22-94 Area: 11 Run: 91				
SITE ASSESSMENT	NMOCD Zone: Land Type: BLM (From NMOCD State ☐ (2) Maps) Inside ☐ (1) Fee ☐ (3)				
	Outside 🗵 (2) Indiar				
	Depth to Groundwater Less Than 50 Feet (20 points) (1) 50 Ft to 99 Ft (10 points) (2) Greater Than 100 Ft (0 points) (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) ☐ (1) 200 Ft to 1000 Ft (10 points) ☐ (2) Greater Than 1000 Ft (0 points) ☑ (3) Name of Surface Water Body				
	(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks,				
	Irrigation Canals,Ditches,Lakes,Ponds) Distance to Nearest Ephemeral Stream (1) < 100'(Navajo Pits Only)				
M bi. villagas over	$\square (2) > 100'$				
	TOTAL HAZARD RANKING SCORE: POINTS				
KS	Remarks: One pit on location - Dry				
REMARKS	Outside V.Z. on Redline & Topo				
RE	Carsine v.Z. or restrict topo				

ORIGINAL	PIT	LOCATION

Original Pit: a) Degrees from North 174° Footage from Wellhead 75

b) Length : ______ Width : ______ Depth : ______



Photos-1003

Bobtail

Completed By:

Signature

6-22-94

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 7/341 Location: #verfasilo # /4 Coordinates: Letter: O Section Township: 26 Range: 9 Or Latitude Longitude Date Started: 9-29-44 Run: 11 9/
FIELD OBSERVATIONS	Sample Number(s): \(\subseteq \overline{35} \) Sample Depth: \(\subseteq \overline{2} \) Feet Final PID Reading \(\subseteq \overline{2} \) Feet Yes No Groundwater Encountered \(\subseteq \overline{2} \) Approximate Depth \(\subseteq \overline{2} \) Feet
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks: 12' Sandstone 10 ydg F:11
	Signature of Specialist: Lake Wilsen



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	SAMPLE I	DENTIFICAT	ION			
	Field ID		Lab ID			
SAMPLE NUMBER:	vw 351		9462	4/		
MTR CODE SITE NAME: 7/34/			N/A			
SAMPLE DATE TIME (Hrs):	9-29-94		592	D		
SAMPLED BY:	N/A					
DATE OF TPH EXT. ANAL.:	10-3-94					
ATE OF BTEX EXT. ANAL.:	NIA		N/A			
TYPE DESCRIPTION:	٧G		Fray Sond + Clay			
		RESULTS				
PARAMETER	RESULT	UNITS	DF	QUALIF	V(ml)	
TPH (418.1)	48 150	MG/KG			2.00	28
HEADSPACE PID	217	PPM				
	87.7	%				
PERCENT SOLIDS		TPH is by EPA Meth	od 418.1 ··			
larrative:						
F = Dilution Factor Used						

Approved By: _

94/10/03 18:56

Sample identification 346261

Initial mass of sample, g

Volume of sample after extraction. ml 38.000

Petroleum hydrocarbons. ppm 130.595 Net absorbance of hydrocarbons

Net absorbance of hydrocarbons (2930 cm-1)

