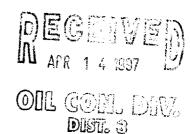
DEPUTYOIL & GAS INSPECTOR

DEC 2 9 1997

Meter Number: 75055
Location Name: STARR #3 (PIT 1)
Location: TN-26 RG-08
SC-05 UL-G
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.



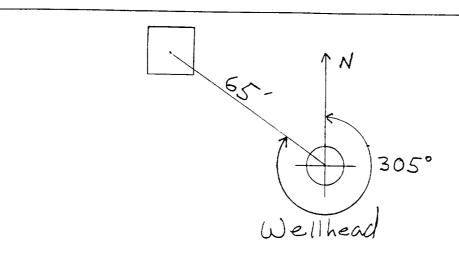
FIELD PIT SITE ASSESSMENT FORM

10	p.†1							
GENERAL	Meter: 75055Location: Starr No. 3 Operator #: 2999 Operator Name: MeridianP/L District: Ballard Coordinates: Letter: G Section 5 Township: 26 Range: 8 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 6-16-94 Area: 1/1 Run: 67							
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside (2) Maps) Depth to Groundwater Less Than 50 Feet (20 points) Greater Than 100 Ft (0 points) Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction?, or; ls it less than 200 ft from a private domestic water source? Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) (3) Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) (3) Name of Surface Water Body (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) (2) > 100'							
	TOTAL HAZARD RANKING SCORE: POINTS							
RKS	Remarks: Two pots on location, Two Meter Louses. each pit at the end of Meter run. Both dry							
REMARKS	Outside V.Z. on Redline & Topo							
R								

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 305 Footage from Wellhead 65

b) Length: <u>16</u> Width: <u>16</u> Depth: <u>3</u>



Remai	rks :	Place	2705	- 141	'/		
							
		-				 	

Completed By:

Signature

5-16-94

Date

FIELD PIT REMEDIATION/CLOS RE FORM

GENERAL	Meter: <u>7505S</u> Location: <u>Starr # 3</u> Pf Coordinates: Letter: <u>G</u> Section <u>5</u> Township: <u>26</u> Range: <u>8</u> Or Latitude Longitude Date Started: <u>9-15-94</u> Run: <u>N</u> 62
FIELD OBSERVATIONS	Sample Number(s): 12^{\prime} Feet Sample Depth: 12^{\prime} Feet Final PID Reading 202 PID Reading Depth 12^{\prime} Feet Yes No Groundwater Encountered \square Approximate Depth \square Feet
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks :
	Signature of Specialist: Walsey)

(SP3191) 03/16/94



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

_	Field ID			Lab ID			
SAMPLE NUMBER:	yw 291	9.					
MTR CODE SITE NAME:	75055	Pit 1					
SAMPLE DATE TIME (Hrs):	9-15-9	0	0945				
SAMPLED BY:							
DATE OF TPH EXT. ANAL.:	9/20	94	9/	20/94			
DATE OF BTEX EXT. ANAL.:	NIA		, ນ				
TYPE DESCRIPTION:				Coarse	Sand		
REMARKS:	F	RESULTS					
PARAMETER	RESULT	UNITS	DF	QUALIF	IERS M(g)	V(ml)	
TPH (418.1)	382c	MG/KG			2.16	28	
HEADSPACE PID	202	PPM			·		
PERCENT SOLIDS	88.5	%			1.		
		TPH is by EPA Metho	od 418.1				
arrative:							
F = Dilution Factor Used							
pproved By:			Date:	9/30/44	/		

Volume of sample after extraction, ml

Petroleum hydrocarbons, ppm 1823.800 Net absorbance of hydrocarbons (2930 cm-1) 1.514

