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Meter Number: 94964

Location Name: SAN JUAN 28-7 UNIT #165E

Location:TN-27 RG-07 SC-16 UL-I

1 - State

NMOCD Zone: OUTSIDE Hazard Ranking Score: 00

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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.

EP FELD SERVICES

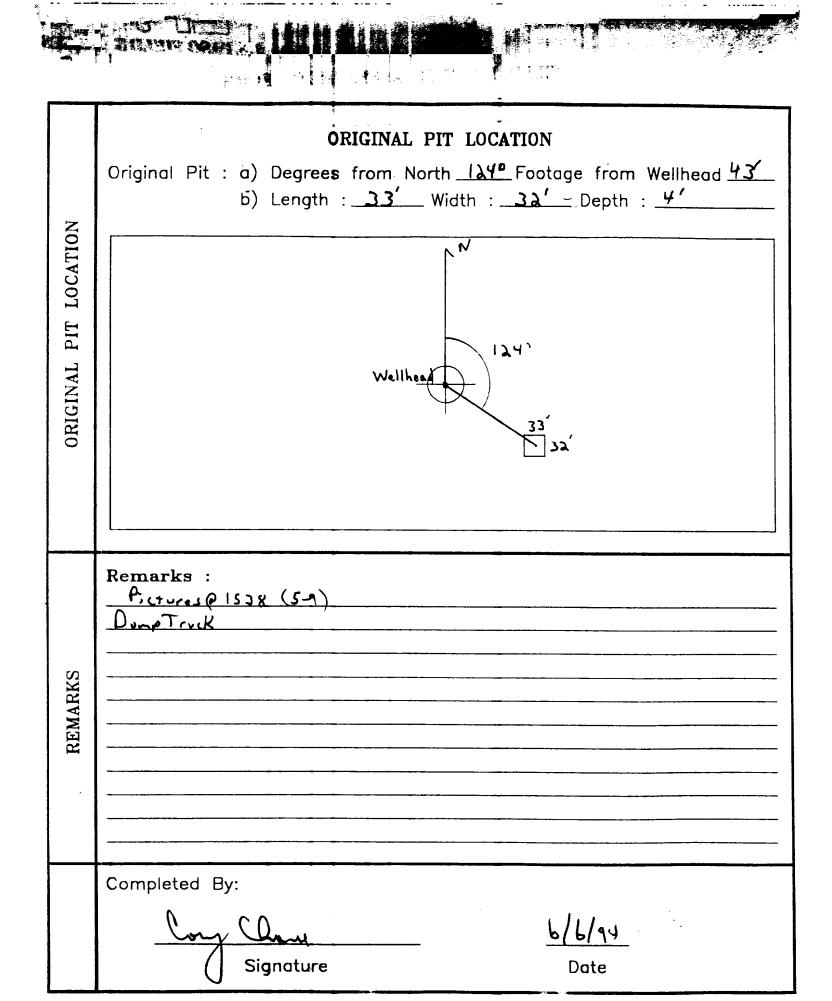
FIELD PIT SITE ASSESSMENT FORM

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GENERAL	Meter: 94964 Location: San Jun 26-7 Unit 165 E Operator #: 0203 Operator Name: Amaso P/L District: Blanco Coordinates: Letter: Section 16 Township: 27 Range: _7 Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other: Site Assessment Date: 6/6/94						
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) Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) (2) Greater Than 1000 Ft (10 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) (2) > 100' TOTAL HAZARD RANKING SCORE: D POINTS						
REMARKS	Remarks: Redline-Out-ride, Voln-Dutide 4pits. Clasel. Liquidin pit- Called Blanco						
REN	PUSH-IN						

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(SP3100) D4/08/04



FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 94964 Location: SAN Juan 28-7 #165 F Coordinates: Letter: T_ Section 16 Township: 27 Range: 7 Or Latitude Longitude Date Started: 8-14-94 Run: 23 32							
FIELD OBSERVATIONS	Sample Number(s): MK 261 Sample Depth:/2' Feet Final PID Reading238							
CLOSURE	Remediation Method: Excavation							
	Other Facility Name:							
REMARKS	Remarks: Eful lines Not Marke soil Gray Strong MyDrocarbon							
	Signature of Specialist: Morgan Xielion (SP3191) 03/16/94							



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

	SAMPLE	IDENTIFICA	TION			
	Field	ID.		Lab ID		
SAMPLE NUMBER:	mk 261	945921 N/A				
MTR CODE SITE NAME:	94964					
SAMPLE DATE TIME (Hrs):	9/12/94					
SAMPLED BY:	N/A					
DATE OF TPH EXT. ANAL.:	8/14/94 NIA		8/14/94 N/A			
ATE OF BTEX EXT. ANAL.:						
TYPE DESCRIPTION:	VG		Brown Gren Fine Sand Cl			\mathcal{L}
REMARKS:		RESULTS				
PARAMETER	RESULT UNITS		QUALIFIERS			
(JUNE / / 10 1)	11,000	MG/KG	DF	<u> </u>	1.01	V(ml)
TPH (418.1)						<u> </u>
HEADSPACE PID	238	PPM				
PERCENT SOLIDS	88.1	%				
		TPH is by EPA Metho	d 418.1			
ırrative:						
= Dilution Factor Used						
- Blighon Factor accor						
\cap				a /	/	

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

 ILLEGIBLE

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Sample identification 145901

initial mass of sample, g

Jolime of sample after extraction, ml 8.000

- Patroleum hy**oroc**arbons, ppm 2010-30**7** - Not absorbance of recoderbons (2900 cm-4)

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