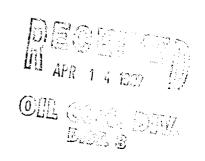
PEL 1947

Approved

Meter Number:87087
Location Name:REID #A3
Location:TN-29 RG-10
SC-13 UL-H
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.

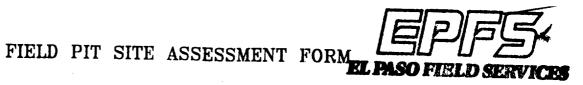
There is no source material at the ground surface, so direct contact of hydrocarbons with livestock and the populous is not likely.

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:

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.



GENERAL	Meter: 87087 Location: REID # A3  Operator #: 8367 Operator Name: Southing P/L District: Bloomfield  Coordinates: Letter: H Section 13 Township: 29 Range: 10  Or Latitude Longitude  Pit Type: Dehydrator Location Drip: X Line Drip: Other:  Site Assessment Date: S.S.94 Area: 10 Run: 73						
SITE ASSESSMENT	NMOCD Zone:  (From NMOCD  Maps)  Inside  Outside  Outside  (2)    Indian   Indian						
REMARKS	Remarks: DNLY PIT ON LOCATION PIT IS DRY. LOCATION IS UP ON TOP OF A MESA. REPLINE SHOWS LOCATION IS INSIDE THE V.Z. BUT TOPO SHOWS THAT IT IS OUTSIDE THE V.Z.						

-1-

(SP3190) 04/08/94

	ORIGINAL PIT LOCATION  Original Pit: a) Degrees from North <u>287°</u> Footage from Wellhead <u>87'</u> b) Length: <u>IS'</u> Width: <u>IS'</u> Depth: <u>3'</u>
ORIGINAL PIT LOCATION	15 87' WEILHEAD 287°
	Remarks: TOOK PICTURES AT 9:45 A.M.  DUMP TRUCK-80BTAIL
REMARKS	
R	
	Completed By:
	Det Thompson 5.5.94
	Signature Date

/cn14000\ 04/07/04

### FIELD IT REMEDIATION/CLOSUR FORM

GENERAL	Meter: 87087 Location: Reid A # 3  Coordinates: Letter: # Section 13 Township: 29 Range: 16  Or Latitude Longitude  Date Started: 6.8-94 Area: 10 Run: 73
FIELD OBSERVATIONS	Sample Number(s): KD 104  Sample Depth: 12 Feet  Final PID Reading 245 ppm PID Reading Depth 17 Feet  Yes No  Groundwater Encountered (1) (2) Approximate Depth Feet
CLOSURE	Remediation Method:  Excavation
REMARKS	Remarks: Dug fest toke thru Cobbles to 12', Took Pib  Sample, closed pit  Signature of Specialist: My fer

-2-



# FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

### **SAMPLE IDENTIFICATION**

	Field ID	Lab ID
SAMPLE NUMBER:	KD 104	945402
MTR CODE   SITE NAME:	27027	N/A
SAMPLE DATE   TIME (Hrs):	6-2-94	1250
SAMPLED BY:		N/A
DATE OF TPH EXT.   ANAL.:	C01094	d10194
DATE OF BTEX EXT.   ANAL.:	NIA	~ Ja
TYPE   DESCRIPTION:	V G	Cruse (real Brown Sand
_		5)

REMARKS	S	Κ	13	А	Л	ľ	Ε	R	
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### **RESULTS**

PARAMETER	RESULT	UNITS	QUALIFIERS		ERS	
			DF	Q	M(g)	V(mi)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	1930	MG/KG			2.06	28
HEADSPACE PID	245	PPM		·		
PERCENT SOLIDS	92.1	%				

- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 -

The Surrogate Recovery was at	Also	_% for this sample	All QA/QC was acceptable
Narrative:			

DF = Dilution Factor Used

Approved By:

Par In.

Date:

6/16/4V

Tellining the engine or and behalf unrepresed

200



**1988** - 1988 -