Denny & Fourt
DEPUTY OIL & GAS INSPECTOR

DEC 2 2 1997

Location Name: COM #3
Location: TN-29 RG-14
SC-02 UL-J
1 - State
NMOCD Zone: OUTSIDE
Hazard Ranking Score: 00

Meter Number:90541

DECEIVED 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.

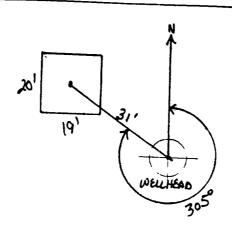
### FIELD PIT SITE ASSESSMENT FORM ELFA

GENERAL	Meter: 90541 Location:Om #3  Operator #: Operator Name: Dusan Peop. P/L District:  Coordinates: Letter: Section _2 Township: Range:  Or						
SITE ASSESSMENT	NMOCD Zone:  (From NMCCD  Maps)  Inside  Outside  Land Type:  BLM  State  (2)  Fee  (3)  Indian						
	Depth to GroundwaterLess 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) (2) > 100'  TOTAL HAZARD RANKING SCORE: POINTS						
100	Remarks: Pedius Shows INSIDE BUT TOPO SHOWS LOCATION OUTSIDE V.Z.						
REMARKS	ONE PIT ON LOCATION. PIT BELONGS TO TONG. WILL CLOSE PIT.						
REM	PUSH IN						

#### ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North <u>305°</u> Footage from Wellhead <u>31'</u>

b) Length : \_\_\_\_\_\_\_ Width : \_\_\_\_\_\_\_ Depth : \_\_\_\_\_\_\_\_\_



PHOTOS - 1353

Completed By:

**Signature** 

1.3.95

Date

## FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: <u>9054l</u> Location: <u>Com#3</u> Coordinates: Letter: <u>T</u> Section <u>a</u> Township: <u>a.9</u> Range: <u>14</u> Or Latitude Longitude  Date Started: <u>1-11-95</u> Run: <u>02 23</u>
FIELD OBSERVATIONS	Sample Number(s):



# FIELD SERVICES LABORATORY ANALYTICAL REPORT

# PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

#### SAMPLE IDENTIFICATION

	SAIVIPLE	IDENTIFICA	17011						
	Fiel	d ID		Lab ID					
SAMPLE NUMBER:	BER: MX 324			946571					
MTR CODE   SITE NAME:	905		N/A						
SAMPLE DATE   TIME (Hrs):	1-11-95		1600						
SAMPLED BY:		N/A							
DATE OF TPH EXT.   ANAL.:	1-17.95		1 - 1	1-17-95					
DATE OF BTEX EXT.   ANAL.:	nla	Ala							
TYPE   DESCRIPTION:	46		Brown	sand					
RESULTS									
PARAMETER	RESULT	UNITS	DF	QUALIF Q	M(g)	V(ml)			
TPH (418.1)	51.3	MG/KG			2.04	28			
HEADSPACE PID	5	PPM							
PERCENT SOLIDS	94.4	%							
		TPH is by EPA Metho	od 418.1 ··						
Narrative:									
DF = Dilution Factor Used									

Date: 2-22-95

