Denny of a case assected

DEC 2 9 1997

Meter Number:87381
Location Name:LARGO FED 1
Location:TN-27 RG-08
SC-11 UL-M
2 - Federal
NMOCD Zone:OUTSIDE
Hazard Ranking Score:00



OIL CON. DIV.

#### FATIONALE 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 ground vater 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

GENERAL	Meter: \(\frac{\delta}{7381}\) Location: \( \Lacksquare Fell \) (CH)  Operator \(\psi: \) Operator Name: \( P/L \) District: \( \B/\text{laste} \)  Coordinates: Letter: \( M \) Section \( L \) Township: \( \delta 7 \) Range: \( \delta \)  Or \( Latitude \) Longitude \( - \)  Pit Type: Dehydrator \( Location \) Location Drip: \( \subseteq \) Line Drip: \( \subseteq \) Other: \( \subseteq \)  Site Assessment Date: \( \subseteq 5/2\frac{1}{9}\) Area: \( \lambda 3 \)
SITE ASSESSMENT	NMOCD Zone:  (From NMOCD  Maps)  Inside  Outside  Outside  (2)  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 (10 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:  Depth to 10 points State (2)  (2)  No (0)  points)
REMARKS	Remarks: Redime & Vuln Durishe No site sign Coordinates located using Redime book.
REM	PUJHIN

ORIGINAL PIT LOCATION	Original Pit : a) Degrees from North 30° Footage from Wellhead 92′ b) Length : 19′ Width : 19′ Depth : D. 5′
REMARKS	Remarks: Pictures (2 1030 (21-24)  Dump Truck
	Completed By:  Signature  Signature  S/24/94  Date

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## FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 87321 Location: Large Fed #1 Ch  Coordinates: Letter: M Section // Township: 27 Range: 8  Or Latitude Longitude  Date Started: 7-20-94 Run: 13 3/
FIELD OBSERVATIONS	Sample Number(s): MK/63  Sample Depth: J2' Feet  Final PID Fleading 250 PID Reading Depth J2' Feet  Yes No  Groundwater Encountered \( \Boxed{\text{M}} \) Approximate Depth Feet
CLOSURE	Remediation Method:  Excavation
REMARKS	Remarks: EPNG 11NLS MARKED Soil GARY Strong HYDOGIATION ODOR  Signature of Specialist: Morgan Xillian  (SP3191) 03/16/84



### FIELD SERVICES LABORATORY ANALYTICAL REPORT

#### PIT CLOSURE PROJECT - Soil

	SAMITEL	DENTIFICA				·
_	Field ID		Lab ID			
SAMPLE NUMBER:	MK163	MK163		945724		
MTR CODE   SITE NAME:	97381 7-20-94		N/A 0858			
SAMPLE DATE   TIMI: (Hrs):						
SAMPLED BY:	N/A					
DATE OF TPH EXT.   ANAL.:	7-21-94	7-21-94 NIA VG		N/A  DK Grew Chay I same		
DATE OF BTEX EXT.   ANAL.:	N14_					
TYPE   DESCRIPTION:	VG					
RENIARKS:						
	R	RESULTS				
PARAMETER	RESULT	UNITS	QUALIFIERS			
TAILAINE LEIT			DF	0	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)	3900	MG/KG			2.00	28
HEADSPACE PID	250	PPM				
PERCENT SOLIDS	91.3 KTABL	%				
	- TPH is by EPA Method 41	8.1 and BTEX is by EP. % for this samp		C was 2002	tahla	
he Surrogate Recovery was at arrative:	NA	70 IOI UIIS SAMP	ile All UA/U	c was accep	Cable.	

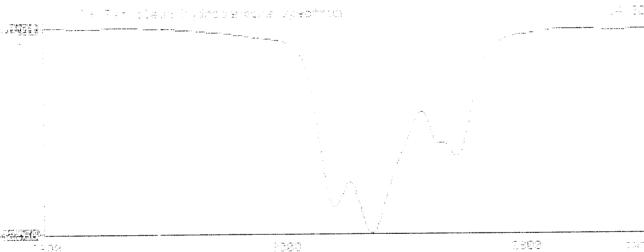
8/8/91

Date.

DF = Dilution Factor Used

Annound Dir.

NP



# ILLECIBLE