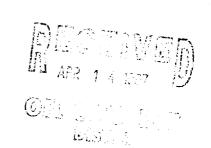
Denny S. Fourt

DEC 3 0 1997

Meter Number:87225 DEPUTY OIL & GAS INSPECTOR Location Name: A.L. ELLIOTT D #6 Location:TN-29 RG-09

> SC-13 UL-E 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:

10<sup>-9</sup> to 10<sup>-13</sup> cm/sec 10<sup>-12</sup> to 10<sup>-16</sup> cm/sec 10<sup>-12</sup> to 10<sup>-15</sup> cm/sec Sandstone Shale Clay

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: 87225 Location: A.L. ELLIOTT "D" #6  Operator #: 0203 Operator Name: Atloco P/L District:  Coordinates: Letter: E Section 13 Township: 29 Range: 9  Or Latitude Longitude  Pit Type: Dehydrator Location Drip: X Line Drip: Other:  Site Assessment Date: 5-11-94 Area: 10 Run: 92
	NMOCD Zone:         Land Type:         BLM         X (1)           (From NMOCD         State         □ (2)           Maps)         Inside         □ (1)         Fee         □ (3)           Outside         ▼ (2)         Indian         □
ASSESSMENT	Depth to Groundwater  Less 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)
SITE ASS	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
RS	Remarks: FOTWO DITS ON LOCATION CLOSE ONLY THE DE DRIP
REMARKS	PIT NEAR METER HOUSE. RED UNE AND TOPO CONFIRM BUSIDE V.Z.
RE	PUSH /IX (SP3190) 04/08/94

\_1\_

Original	Pit	: a) b)	ORIGINAL PIT LOCATION  Degrees from North 33° Footage from Wellhead 120'  Length: 15 Width: 14' Depth: 3'
			N 23° 1 15' 120' 120' 15'

REMARKS	Remarks:  TOOK DICTURES AH-2 (1-4)  END DUMP
	Completed By:

Mla S. Lamo

Signature

5-11-94

Date

## FIELD T REMEDIATION/CLOSURT FORM

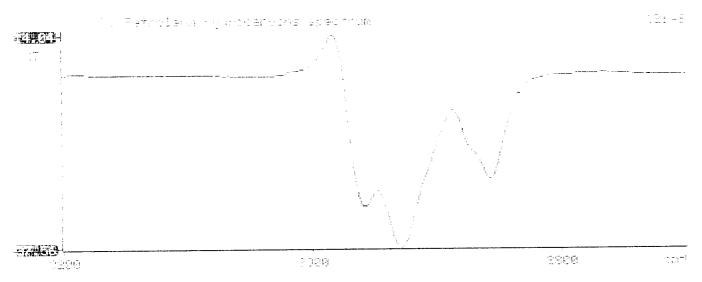
GENERAI	Meter: 37225 Location: File of 6  Coordinates: Letter: Section 13 Township: 29 Range: 9  Or Latitude Longitude Longitude Date Started: 5.24.94 Area: 10 Run: 93
FIELD OBSERVATIONS	Sample Number(s): <u>VW144</u> Sample Depth: <u>12'</u> Feet  Final PID Reading <u>218</u> PID Reading Depth <u>12'</u> Feet  Yes No  Groundwater Encountered □ (1) ▼ (2) Approximate Depth Feet
CLOSTIRE	
CI	Other Facility (2) Name: Pit Closed By: BEZ
DEMADIC	Remarks: Line Markers all over
	Signature of Specialist: Wilson (SP3191) 04/07/5



# FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

### SAMPLE IDENTIFICATION

	Field	ID		Lab ID	<del> </del>	
SAMPLE NUMBER:	V W 15	945	945292			
MTR CODE   SITE NAME:	タフンフ		N/A			
SAMPLE DATE   TIME (Hrs):	5.24	1-94	131	1310		
SAMPLED BY:			/A			
DATE OF TPH EXT.   ANAL.:	5/26/94 N/A		5/26/94) N/A			
DATE OF BTEX EXT.   ANAL.:						
TYPE   DESCRIPTION:	<u>V</u> 6	)	Brown.	fini. S'à	and	
REMARKS:		RESULTS				
PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE		MG/KG			<u> </u>	
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG		_		
TPH (418.1)	3550	MG/KG			1.96	28
HEADSPACE PID	218	PPM				
PERCENT SOLIDS	88.6	%				
	- TPH is by EPA Method 4	118.1 and BTEX is by EP/ % for this samp		was accep	otable.	



## LLEGIBLE