Mannager & Town

2000 FOLL LADARESTOR

DEC 8 3 1837

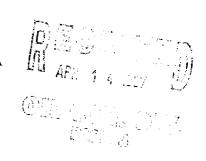
Meter Number:89883
Location Name:ELLIOTT GAS COM A #1A

Location:TN-29 RG-09 SC-14 UL-G

1 - State

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:

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



GENERAL	Meter: 89883 Location: FCLIOT GAS COM A #14  Operator #: 0203 Operator Name: AHOLO P/L District: BLOSTIFIED  Coordinates: Letter: G Section 14 Township: 29 Range: 9  Or Latitude Longitude  Pit Type: Dehydrator Location Drip: X Line Drip: Other:  Site Assessment Date: 5-13-94 Area: 10 Run: 92			
SITE ASSESSMENT	NMOCD Zone:  (From NMOCD  Maps)  Inside  Outside  Land Type: BLM ◯ (1)  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			
3KS	Remarks: 4 WELL LOCATION W/ FNE DITS. ONE PIT TO			
REMARKS	BECLOSED. OUTSIDE ZONE - PEDLINE + TOPO			

(SP3190) 04/08/94

Z	Original Pit : a) Degrees from North <u>27°</u> Footage from Wellhead <u>112′</u> b) Length : <u>17</u> Width : <u>17</u> Depth : <u>3</u>
ORIGINAL PIT LOCATION	N 17' 17'
	Remarks:
	_ POTOTOS - AH 3 (1-4) _ TANDEM
REMARKS	
RI	
	Completed By:
	Signature Date
	Signature Date

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# FIEL PIT REMEDIATION/CLOSUL \_ FORM

GENERAL	Meter: 89883 Location: <u>ELLIOH Gas com A*IA</u> Coordinates: Letter: <u>G</u> Section <u>14</u> Township: <u>29</u> Range: <u>9</u> Or Latitude Longitude  Date Started: <u>6-24-94</u> Area: <u>10</u> Run: <u>94</u> 92 6/27/44/SR				
FIELD OBSERVATIONS	$I_{\alpha}$				
CLOSURE					
STONIA	Remarks: Efne lines marked soil light Gray Low HYDro corbon odor Hit Sond Stone 5'  Signature of Specialist: Awgan Killian  (Sp3191) 04/07/				



# FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

## SAMPLE IDENTIFICATION

	Field ID	Lab ID	
SAMPLE NUMBER:	m K 37	9455 19	
MTR CODE   SITE NAME: {	99883	N/A	
SAMPLE DATE   TIME (Hrs):	1 24 - 94	1234	
SAMPLED BY:	N/A		
DATE OF TPH EXT.   ANAL.:	W) 7/94	W27194	
DATE OF BTEX EXT.   ANAL.:	Ala	NIA	
	× ( C	BRUN Sand Clay	
TYPE   DESCRIPTION:	V G		

REMARKS:

### RESULTS

DA DA MATTER	RESULT UNITS	UNITS	QUALIFIERS			
PARAMETER		<u> </u>	DF	Q	M(g)	V(ml)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	3660	MG/KG			2.15	28
HEADSPACE PID	181	PPM				
PERCENT SOLIDS	85.8	%			<u> </u>	

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

he Surrogate Recovery was at	N)A % for this sam	pie All QA/QC was acceptable
larrative:		

F = Dilution Factor Used

La le Das

Date: 7/14/91/

