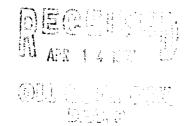
Meter Number:94434 DEPUTY OIL & GAS INSPECTION cation Name: GALLEGOS CANYON UNIT#185E

DEC 3 n 1997

Location:TN-28 RG-12 SC-33 UL-A 3 - Navajo 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^{-9} to 10^{-13} cm/sec 10^{-12} to 10^{-16} cm/sec Sandstone Shale 10⁻¹² to 10⁻¹⁵ cm/sec 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.



FIELD PIT SITE ASSESSMENT FORM

, defend	Meter: 94-434 Location: Sallegos Canyon Unit Well No.185E Operator #: 0203 Operator Name: Amoco P/L District: Angel Peak Coordinates: Letter: A Section 33 Township: 28 Range: 12 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 9/13/94 Area: OL Run: \$2					
	NMOCD Zone:					
	(From NMOCD Land Type: BLM (1) Maps) State (2)					
	Outside (2) Indian Navayo					
	Less Than 50 Feet (20 points) (1)					
	Greater The 100 mints) (2)					
E	Wellhead Protection Area:					
1EN	Is it less than 1000 ft from well					
SSI	fresh water extraction?, or; Is it less than 200 ft from a private					
ASSESSMENT	\sim 1L3 (2U points) [X] (7) NO (7					
1 .	Less Than 200 Ft (20 points) (1)					
SITE	200 Ft to 1000 Ft (10 points) (2)					
	Greater Than 1000 Ft (0 points) (3) Name of Surface Water Body Gallegos Canyon (Surface Wet Body Gallegos Canyon					
	Counties water Body - Perannial D:					
	Irrigation Canals, Ditches, Lakes, Ponds) Distance to Negrest Eshara (1997)					
	Distance to Nearest Ephemeral Stream (1) < 100'(Navajo Pits Only)					
	TOTAL HAZARD RANKING SCOPE.					
KS	Remarks: Redline Book - Outside					
REMARKS	Two pits, location drip pit is dry. Will close one pit.					
RE	Tour close one pit.					
	PUSH IN					

FIELF PIT REMEDIATION/CLOSU FORM

GENERAL	Meter: 94434 Location: Gallesos Canyon Unit 1855 Coordinates: Letter: A Section 33 Township: 28 Range: 12 Or Latitude Longitude Longitude Date Started: 10-20-94 Area: Ol Run: 82
FIELD OBSERVATIONS	Sample Number(s): 12' Feet Final PID Reading 156 PID Reading Depth 12' Feet Yes No Groundwater Encountered (1) (2) Approximate Depth Feet
CLOSURE	Remediation Method: Excavation
	Soil Disposition: Envirotech (1) (3) Tierra Other Facility (2) Name: Pit Closure Date: 18.20-99 Pit Closed By: B.ET
REMARKS	Remarks: Some Like Markers. dug A Test Hol. To 12' At 12' Soil Light Brown with A Light Order. Closed fit.
	Signature of Specialist: Ally falilla

-2-

(SP3191) 04/07/94



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field	ID		Lab iD		
SAMPLE NUMBER:	KP 323	XP 323 94434		2464 34 N/A		
MTR CODE SITE NAME:						
SAMPLE DATE TIME (Hrs):	19-20-34		1340			
SAMPLED BY:		N/A				i
DATE OF TPH EXT. ANAL.:	10-76-94 21A		<u> </u>			!
DATE OF BTEX EXT. ANAL.:			ν <u>Α</u>			ı İ
TYPE DESCRIPTION:	JG	J G		Erron - we send		
REMARKS:	<u></u>					
	}	RESULTS				-
PARAMETER	RESULT	ULT UNITS	QUALIFIERS			
Anameran			DF	Q	M(g)	V(ml)
TPH (418.1)	681	MG/KG			1220	28
HEADSPACE PID	15le	PPM				
PERCENT SOLIDS	95.2	%				
		TPH is by EPA Method	± 418.1 ··			
rrative:						
= Dilution Factor Used						
a C					,	
naroyed By:	-		Date:	11/3/	91	

