DEPUTY OIL & GAS INSPECTOR

DEC 3 0 1997

Meter Number: 72988
OIL & GAS INSPECTOR Location Name: GOBERNADOR #1

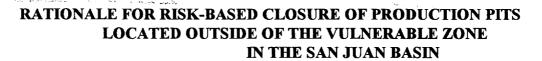
Location:TN-29 RG-05 SC-14 UL-M

4 - Fee

NMOCD Zone:OUTSIDE

Hazard Ranking Score:00

DECEIVED N APR 1 4 1897



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.

EPFS-

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 72-988 Location: Golden need of # Operator #: 7035 Operator Name: PHILUPS P/L District: Bloomfish Coordinates: Letter: M_ Section 14 Township: 29 N Range: 5W Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other: Site Assessment Date: 6.2-94					
SITE ASSESSMENT	NMOCD Zone: Land Type: BLM					
REMARKS	Remarks: Two pits an location will close only one. Pit is dry location is North of Hwy 64 east of Gobernador Redline and Topo yearly location outside of V.Z.					

Z	ORIGINAL PIT LOCATION Original Pit: a) Degrees from North 308° Footage from Wellhead 104 b) Length: 17' Width: 11' Depth: 2'
ORIGINAL PIT LOCATION	12' Noy. Well Lead 308°
REMARKS	Remarks: Took photos D ~1100hrs End-dump
	Completed By: 6-z-94

Signature

Date

FLD PIT REMEDIATION/CLOS RE FORM

GENERAL	Meter: 72.988 Location: <u>Gobernador #/</u> Coordinates: Letter: <u>M</u> Section <u>14</u> Township: <u>29</u> Range: <u>5</u> Or Latitude Longitude Date Started: <u>7-11-94</u> Area: <u>10</u> Run: <u>71</u>
FIELD OBSERVATIONS	Sample Number(s): MK //6 Sample Depth: _/&' Feet Final PID Reading PID Reading Depth Feet Yes No Groundwater Encountered
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks: EPNG 1:NES Marked Soil Gravish Brown 51:944 HYDro Carbon odor Signature of Specialist: Morgan Xileian



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	MKIIL	945635
MTR CODE SITE NAME:	72988	N/A
MPLE DATE TIME (Hrs):	7-11-94	1515
SAMPLED BY:	,	N/A
DATE OF TPH EXT. ANAL.:	7/12/94	7/12/94
DATE OF BTEX EXT. ANAL.:	NA	~ / A
TYPE DESCRIPTION:	٧G	Grey Sand Clay

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RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS				
			DF	Q	M(g)	V(mi)	
BENZENE		MG/KG					
TOLUENE		MG/KG					
ETHYL BENZENE		MG/KG					
TOTAL XYLENES		MG/KG					
TOTAL BTEX		MG/KG	ì				
TPH (418.1)	172	MG/KG			2.01	28	
HEADSPACE PID	289	PPM					
PERCENT SOLIDS	86.8	%					

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

% for this sample All QA/QC was acceptable.

he Surrogate Recovery was at arrative:

F = Dilution Factor Used

Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil

Perkin-Elmer Model 1600 FT-IR Analysis Report ******************

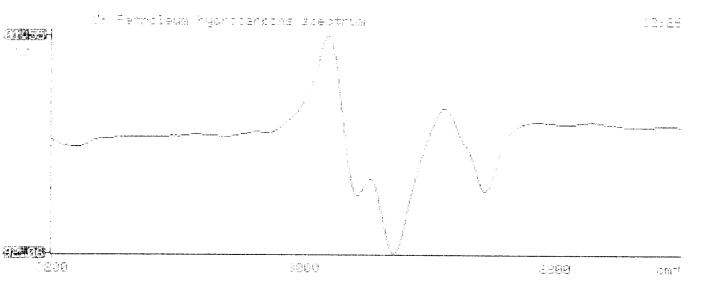
94/07/12 12:26

Sample identification 945635

.aifial mass of sample, g

From of sample after extraction, ml ± 3.000

fstroleum hydrocarbons, cpm 71.712 Mei absorbance of hydrocarbons (2930 cm-1)



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