Denny & Fout Location DEPUTY ON & GAS INSPECTOR

DEC 2 9 1997

Meter Number:74456

on Name:BOLACK PETRO ATLAS #1

Location:TN-25 RG-08

SC-01 UL-P 2 - Federal

NMOCD Zone:OUTSIDE

Hazard Ranking Score:00

DECEIVED N APR 1 4 1997

NICE SEED LIO

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: 74-456 Location: Belack Petro Atlas No. 7 Operator #: 0467 Operator Name: Gas Compon P/L District: Ballard Coordinates: Letter: P Section Township: Z5 Range: 8 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 7/28/94 Area: 07 Run: 92								
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside (2) Naps Depth to Groundwater Less Than 50 Feet (20 points) Total Pistance to Surface Water Body Less Than 1000 Ft (0 points) (1) YES (20 points) (2) No (0 points) (3) Land Type: BLM								
REMARKS	Remarks: Redline Book-Inside Vulnerable Zone Tope- Outside One pit on site, pit is dry, will close one ptt.								
24	PUSH IN								

ORIGINAL PIT LOCATION	ORIGINAL PIT LOCATION Original Pit: a) Degrees from North 121° Footage from Wellhead 104 b) Length: 20' Width: 20' Depth: 5'
	Wellhe ad 20' zo' zo'
REMARKS	Remarks: Pictures @ 1431 (1-4, Roll Z) Dump Truck Location Sign says "Bolack Petro Hylas No.7", run map says Bolack # 7.
	Completed By:
	Signature 7/28/94 Date

Find PIT REMEDIATION/CLOSURE FORM

1									
CENTEDAT	Meter: 74456 Location: Bolack Petro Atlas Nol Coordinates: Letter: Section I Township: 25 Range: 8 Or Latitude Longitude Date Started: 10-10-94 Run: 07 92								
FIELD OBSERVATIONS									
CLOSURE	Remediation Method : Excavation								
	Soil Disposition: Envirotech Other Facility Name: Pit Closure Date: 10:10:94								
REMARKS	Pit Closure Date: 10-10-94 Pit Closed By: BEZ Remarks: 2 Entante Zoyale And Pit Closed By: BEZ								
	Signature of Specialist: Vale Why								



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

	SAMPLE	DENTIFICA	HON							
	Field	ID		Lab ID						
SAMPLE NUMBER:	vw 391	9463								
MTR CODE SITE NAME:	74456	N/A								
SAMPLE DATE TIME (Hrs):	10-10-9	1115								
SAMPLED BY:	N/A									
DATE OF TPH EXT. ANAL.:	xt. ANAL.: (0-13-6)4									
DATE OF BTEX EXT. ANAL.:	NA		NA							
TYPE DESCRIPTION:	VG		Brown from Soud of Clay							
RESULTS										
PARAMETER	RESULT	UNITS	QUALIFIERS							
77101112			DF	Q	M(g)	V(ml)				
TPH (418.1)	2060	MG/KG			12.01	38				
HEADSPACE PID	166	PPM								
PERCENT SOLIDS	92.7	%								
		TPH is by EPA Meth	od 418.1							
arrative:										

DF = Dilution Factor Used

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

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

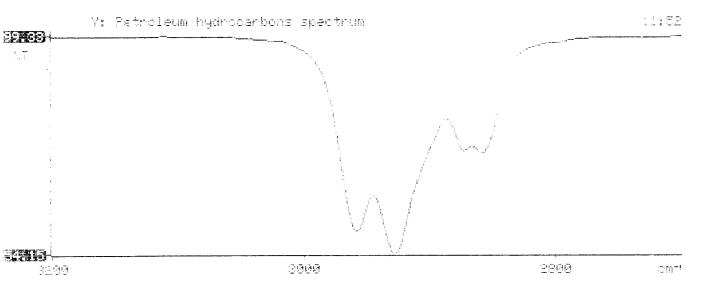
94/10/13 11:52

Sample identification

Initial mass of sample, g 2.010

Volume of sample after extraction, ml

Petroleum hydrocarbons, ppm 1063.098 Net absorbance of hydrocarbons (2930 cm-1) 1:263



*