DEPUTY ON & GAS INSPECTOR

DEC 0 2 1997

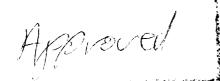
Meter Number:94923
Location Name:Mesa Twin Mounds #1 - 30 DK
Location:TN-30 RG-14

SC-30 UL-D
2 - Federal

NMOCD Zone: OUTSIDE Hazard Ranking Score: 00

DEGETVED N APR 1 4 1997

OIL COM. DIV.



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.

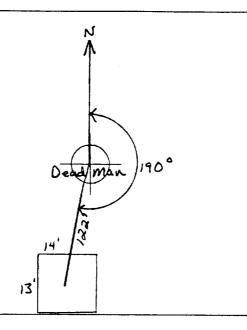
FIELD PIT SITE ASSESSMENT FORM RLPASOFIELD SERVICES

| GENERAL | Meter: 94923 Location: Mesa Twin Mounds 1-30 DK Operator #: 9391 Operator Name: Conoco PIL District: Kutz Coordinates: Letter: Section 30 Township: 30 Range: 14 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 10-17-95 Area: 52 Run: 23 |
|-----------------|--|
| SITE ASSESSMENT | NMOCD Zone: (From NMOCD (From NMOCD Maps) Inside Outside (2) Noutside (2) Noutside (3) Outside (4) Noutside (5) Noutside (6) Noutside (7) Noutside (8) Noutside (9) Noutside (1) State (2) Indian Depth to Groundwater Less Than 50 Feet (20 points) (1) 50 Ft to 99 Ft (10 points) (2) Greater Than 100 Ft (0 points) 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 |
| REMARK | Remarks: Realoc. Topo shows outside VZ, Not immy Real Line 4 pits on Loc. 1.1 Rig Blowpit Z.) Seperator p.t. 3.) Loc. Drip 4. Lac Orip's both be long to EPNG. Will close Both Loc Arips. |

ORIGINAL PIT LOCATION

Original Pit: a) Degrees from North 190° Footage from Wellhead 100'

b) Length: 141 Width: 13' Depth: 5'



| Remarks | : |
|---------|---|
| | |

photos: 10:08 4pict

P+A Loc

Completed By:

Signature

10-17-95 Date

FIELD PIT REMEDIATION/CLOSURE FORM

| GENERAL | Meter: 74923 Location: Mesa Twin Mounds 1-30 DK Coordinates: Letter: Description Some Range: 14 Or Latitude Longitude Longitude Date Started: 10-23-95 Run: 02 23 |
|--------------------|---|
| FIELD OBSERVATIONS | Sample Number(s): |
| CLOSURE | Remediation Method : Excavation |
| | Soil Disposition: Envirotech Other Facility Name: Pit Closure Date: 10-23-95 Pit Closed By: Phihip Env. |
| REMARKS | Remarks: Aug to 85+ hit sandstone, Tok PID it was 165 ppm Backfilled using 10 cuyds. Contamination approx 1/2 ft thick above sand stone. Fincing 18X17 Netting! No |
| | Signature of Specialist: James 7 Tours (SP3191) 03/16/84 |



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

| _ | Field ID | Lab ID | | |
|----------------------------|----------|------------------------|----|--|
| SAMPLE NUMBER: | JP67 | 947691 | | |
| MTR CODE SITE NAME: | 94923 | MesaTwin Mounds#1-30 | DK | |
| SAMPLE DATE TIME (Hrs): | 10-23-95 | 1730 | | |
| PROJECT: | PhaseI | | | |
| DATE OF TPH EXT. ANAL.: | 10/25/95 | | | |
| DATE OF BTEX EXT. ANAL.: | 10/24/95 | 10/24/95 | | |
| TYPE DESCRIPTION: | V60 | Show Hay & Saile Stone | | |
| | | J | | |
| Field Remarks: | | | | |
| RESULTS | | | | |

| PARAMETER | RESULT | UNITS | QUALIFIERS | | |
|----------------|--------|-------|------------|---------|--|
| PAPAMEIEN | | | DF Q | | |
| BENZENE | 2.2 | MG/KG | | | |
| TOLUENE | 29.3 | MG/KG | | | |
| ETHYL BENZENE | 9.8 | MG/KG | | | |
| TOTAL XYLENES | 60.6 | MG/KG | | | |
| TOTAL BTEX | 100.9 | MG/KG | | | |
| TPH (418.1) | 1400 | MG/KG | | 2.03 28 | |
| HEADSPACE PID | 165 | PPM | | | |
| PERCENT SOLIDS | 77.1 | % | | | |

PERCENT SOLIDS

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 -
The Surrogate Recovery was at 98% for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

BTEX SOIL SAMPLE WORKSHEET

| Fil | e : | 947691 | Date Printed : | 10/25/95 | |
|---------------|-----------|--------|--------------------------|----------|------------|
| Soil Mas | s (g): | 4.99 | Multiplier (L/g) : | 0.00100 | |
| Extraction vo | l. (mL) : | 10 | CAL FACTOR (Analytical): | 200 | |
| Shot Volum | e (uL) : | 50 | CAL FACTOR (Report): | 0.20040 | |
| | | | | _ | |
| | | | DILUTION FACTOR: | 1 | Det. Limit |
| Benzene | (ug/L) : | 11.05 | Benzene (mg/Kg): | 2.214 | 0.501 |
| Toluene | (ug/L) : | 146.42 | Toluene (mg/Kg): | 29.343 | 0.501 |
| Ethylbenzene | (ug/L) : | 48.82 | Ethylbenzene (mg/Kg): | 9.784 | 0.501 |
| p & m-xylene | (ug/L) : | 225.73 | p & m-xylene (mg/Kg): | 45.236 | 1.002 |
| o-xylene | (ug/L) : | 76.88 | o-xylene (mg/Kg): | 15.407 | 0.501 |
| | | | Total xylenes (mg/Kg): | 60.643 | 1.503 |
| | | | Total BTEX (mg/Kg): | 101.984 | |

EL PASO NATURAL GAS EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\102495-1.008 Method : C:\LABQUEST\METHODS\1-101395.MET

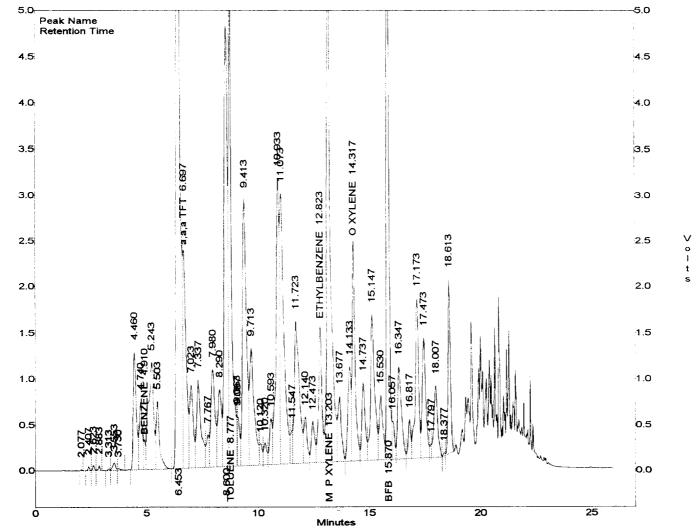
Sample ID : 947691,4.99G,50U Acquired : Oct 24, 1995 17:40:57 Printed : Oct 24, 1995 18:07:26

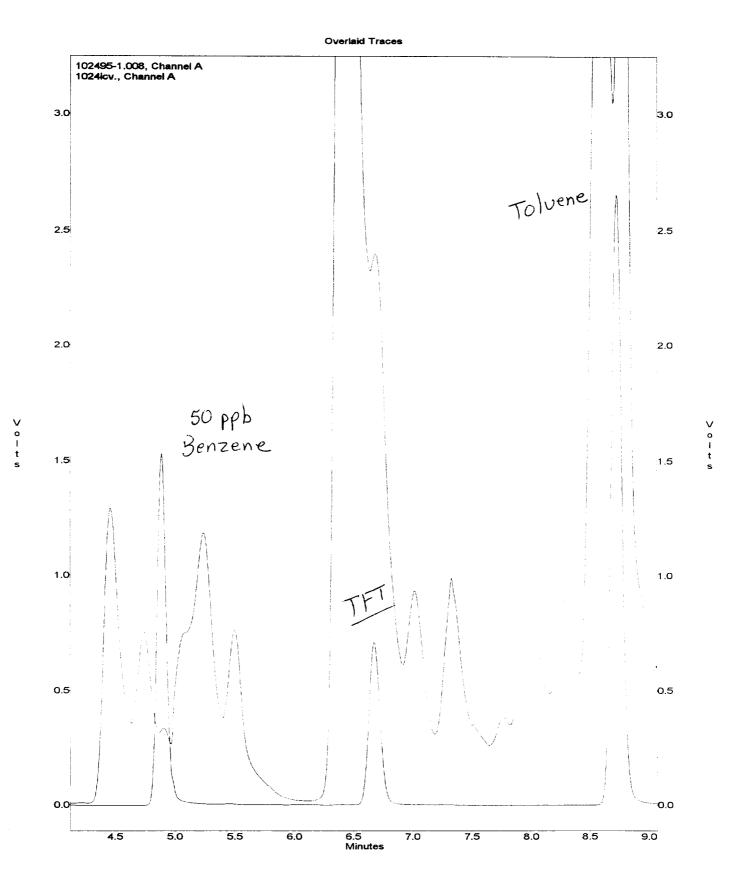
User : MARLON

Channel A Results

| COMPONENT | RET TIME | AREA | CONC (ug/L) |
|--------------|----------|----------|-------------|
| | | | |
| BENZENE | 4.910 | 1880039 | 11.0497 |
| a,a,a TFT | 6.697 | 24802110 | 553.6964 |
| TOLUENE | 8.777 | 47449228 | 146.4206 |
| ETHYLBENZENE | 12.823 | 14871712 | 48.8163 |
| M & P XYLENE | 13.203 | 70015432 | 225.7331 |
| O XYLENE | 14.317 | 21897544 | 76.8839 |
| BFB | 15.870 | 67402672 | 97.7960 |

C:\LABQUEST\CHROM001\102495-1.008 -- Channel A





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

Perkin-Elmer Model 1600 FT-IR Analysis Report

95/10/25 16:21

Sample identification 947691

Initial mass of sample, g

2.030

Volume of sample after extraction, ml 28.000

Petroleum hydrocarbons, ppm 1400.099

Net absorbance of hydrocarbons (2930 cm-1) 0.182

