Denny & Fourt
DEPUTY DIL & GAS INSPECTOR

DEC 2 9 1997

Meter Number:90080

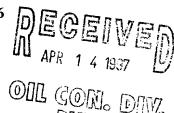
me:VALENCIA CANYON UNIT #16

Location:TN-28 RG-04 SC-23 UL-P

2 - Federal

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 ir terbedded sandstones, shales and clays. According to Freeze and Cherry, 1979, the hydraulic conductivity of the bedrock material are as follows:

Bas 3d 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.



### EL PASO FIELD SERVIC

Meter: 90080 Location: VALENCIA CANYON UNIT GENERAL Operator #: <u>0203</u> Operator Name: <u>Anoco</u> P/L District: <u>BlowFireLD</u> Coord nates: Letter: P Section 23 Township: 28 Range: 4 Latitude \_\_\_\_\_Longitude,\_ Pit Type: Dehydrator \_\_\_ Location Drip: X Line Drip: \_\_\_ Other: \_\_\_\_ Site Assessment Date: <u>5-15-94</u> Area: <u>10</u> Run: <u>62</u> NMOCD Zone: Land Type: BLM (1)(From NMOCD State (2)Maps) Inside 」(1) Fee (3) X (2) Outside Indian \_\_ Depth to Groundwater FOREST X Less Than 50 Feet (20 points) [ (1) 50 Ft to 99 Ft (10 points) (2)Greater Than 100 Ft (0 points)  $\times$  (3) Wellhead Protection Area: SITE ASSESSMENT 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) [X] (2) NO (0 points) Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) 200 Ft to 1000 Ft (10 points) 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 Epherneral Stream  $\square$  (1) < 100'(Navajo Pits Only)  $\Box$  (2) > 100' TOTAL HAZARD RANKING SCORE: \_\_\_\_\_\_ POINTS Remarks: BPITS ON COCATION, ONE PIT TOBECCOSED. DRIP PITHAS PARAFIN. ADJACENT PRODUCTION DIT ALSO HAS

| -                     |   |                              |
|-----------------------|---|------------------------------|
| NC                    | ORIGINAL PIT LOCATION  Original Pit : a) Degrees from North 300 Footage from  b) Length : 24' Width : 29' Depth | Wellhead <u>//8</u> *<br>:5' |
| ORIGINAL PIT LOCATION | 24' 24' 300°  |                              |
| REMARKS               | Remarks:  |                              |
|                       | Completed By:  Signature  Completed By:  5-15-99  Date  |                              |

## FIELD PIT REMEDIATION/CLOSURE FORM

|                    | 10000 11 1 ± 16  |
|--------------------|--|
| GENERAL            | Meter: 40000 Location: Valencia Conyon Vait #16  Coordinates: Letter: P Section 23 Township: 28 Range: U  Or Latitude Longitude  Date Started: 6-16-94 Area: 10 Run: 62  |
| FIELD OBSERVATIONS | Sample Number(s): \( \frac{12'}{213} \)  Sample Depth: \( \frac{12'}{2} \)  Feet  Final PID Reading \( \frac{174}{2} \)  Yes No  Groundwater Encountered \( \begin{array}{cccccccccccccccccccccccccccccccccccc |
| CLOSURE            |  |
| REMARKS            |  |
| 1                  | Signature of Specialist: Valle Wilson  |



# FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

### SAMPLE IDENTIFICATION

|                                       | Field ID      | Lab ID        |
|---------------------------------------|---------------|---------------|
| SAMPLE NUMBER:                        | VW 213        | 9454 66       |
| MTR CODE   SITE NAME:                 | 90080         | N/A           |
| SAMPLE DATE   TIME (Hrs):             | 6-16-94       | 1100          |
|                                       |               |               |
| SAMPLED BY:                           |               | N/A           |
| SAMPLED BY: DATE OF TPH EXT.   ANAL.: | 6-20-94       | N/A (6/20/94  |
| <del>-</del>                          | 6-20-94<br>NA | N/A (6/20/94) |

| REMARKS: |  |  |
|----------|--|--|
|          |  |  |

#### **RESULTS**

| PARAMETER      | RESULT | UNITS | QUALIFIERS |   |      |       |
|----------------|--------|-------|------------|---|------|-------|
|                |        |       | 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)    | 145    | MG/KG |            |   | 2.15 | 28    |
| HEADSPACE PID  | 17-1   | PPM   |            |   |      |       |
| PERCENT SOLIDS | 88.2   | %     |            |   |      |       |

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

| The Surrogate Recovery was at | NIA | _% for this sample | All QA/QC was acceptable. |
|-------------------------------|-----|--------------------|---------------------------|
| Varrative:                    |     |                    |                           |

**OF** = Dilution Factor Used

ctor Used

Mulasi

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