CA430

SUBMIT 1 COPY
NATURAL RESOURCE DI
AND OIL & GAS ADMINISTRATI

**JICARILLA APACHE TRIBE**
**ENVIRONMENTAL PROTECTION OFFICE**
**P.O. BOX 507**
**DULCE, NEW MEXICO 87528**

Verbally Given Approval 10/26/96

# PIT REMEDIATION AND CLOSURE REPORT

**Operator:** CONOCO, INC. **Telephone:** (505)324-5884

**Address:** 3315 Bloomfield Hwy., Farmington, NM 87401

**Facility or Well Name:** AXI APACHE J #22

**Location:** Unit or Qtr/Qtr Sec L Sec 6 T 25N R 5W County RIO ARRIBA

**Pit Type:** Separator X Dehydrator ____ Other ____

**Land Type:** RANGE

**Pit Location:** (Attach diagram)

Pit dimensions: length 35', width 35', depth 19'

Reference: wellhead X, other ____

Footage from reference: 102'

Direction from reference: 74 Degrees ____ East ____ North ____ of X West South X

| | | | |
|---|---|---|---|
| **Depth To Groundwater:** (Vertical distance from contaminants to seasonal high water elevation of groundwater) | Less than 50 feet<br>50 feet to 99 feet<br>Greater than 100 feet | (20 points)<br>(10 points)<br>( 0 points) | 0 |
| **Distance to an Ephemeral Stream** (Downgradient dry wash greater than ten feet in width) | Less than 100 feet<br>Greater than 100 feet | (10 points)<br>( 0 points) | 0 |
| **Distance to Nearest Lake, Playa, or Watering Pond** (Downgradient lakes, playas and livestock or wildlife watering ponds) | Less than 100 feet<br>Greater than 100 feet | (10 points)<br>( 0 points) | 0 |
| **Wellhead Protection Area:** (Less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources) | Yes<br>No | (20 points)<br>( 0 points) | 0 |
| **Distance To SurfaceWater:** (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) | Less than 100 feet<br>100 feet to 1000 feet<br>Greater than 1000 feet | (20 points)<br>(10 points)<br>( 0 points) | 0 |

**RANKING SCORE (TOTAL POINTS):** 0

RECEIVED
OCT 29 1996
OIL CON. DIV.
DIST. 3

CA430 SEP PIT

**Date Remediation Started:** 8-29-96 **Date Completed:** 9/4/96

**Remediation Method:** (Check all appropriate sections) Excavation X Approx. cubic yards 700

Landfarmed X Insitu Bioremediation _____

Other _____

**Remediation Location:** (i.e. landfarmed onsite, name and location of offsite facility) Onsite ____ Offsite X AXI APACHE J #28

**General Description of Remedial Action:** Excavation & HAUL. BEDROCK BOTTOM

**Groundwater Encountered:** No X Yes ____ Depth _____

**Final Pit: Closure Sampling:** (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 13'

Sample date 9/3/96 Sample time 1145

Sample Results

| | | | | | |
|---|---|---|---|---|---|
| Soil: Benzene | (ppm) | 0.0827 | Water: Benzene | (ppb) | _____ |
| Total BTEX | (ppm) | 10.650 | Toluene | (ppb) | _____ |
| Field Headspace | (ppm) | 394 | Ethylbenzene | (ppb) | _____ |
| TPH | (ppm) | 797 | Total Xylenes | (ppb) | _____ |

**Groundwater Sample:** Yes _____ No X (If yes, attach sample results)

**I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEGE AND BELIEF**

**DATE** 9/4/96 **PRINTED NAME** Jeffrey C. Blagg, P.E. # 11607

**SIGNATURE** Jeffrey C. Blagg **AND TITLE** President

**AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.**

**APPROVED:** YES ✓ NO ____ (REASON) Spray nutrients.

**SIGNED:** Gabriel Julian **DATE:** 9/10/96

CLIENT: CONOCO

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: CA430
C.O.C. NO: 4901

# FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: AXI APACHE J WELL #: 22 PIT: SEP
QUAD/UNIT: L SEC: 6 TWP: 25N RNG: 5W PM: NM CNTY: RA ST: NM
QTR/FOOTAGE: NW/4 SW/4 CONTRACTOR: ACME / GARZA

DATE STARTED: 9/3/96
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 35 FT. x 35 FT. x 19 FT. DEEP. CUBIC YARDAGE: 700
DISPOSAL FACILITY: AXI APACHE J 28 REMEDIATION METHOD: LANDFARMED
LAND USE: RANGE LEASE: CONTRACT #147 FORMATION:

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 102 FT. S74W FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

CHECK ONE:
✓ PIT ABANDONED
___ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

SOIL MOSTLY DK. YELL. BROWN SAND, NON-COHESIVE, SLIGHTLY MOIST FIRM, HC ODOR IN EAST SIDEWALL / NORTH SIDEWALL CONSIST MOSTLY OF BEDROCK, WEST & EAST SIDEWALLS CONTAIN BEDROCK @ APPROX. 5' FROM PIT BOTTOM. WASH AREA SE OF PIT (>10' IN WIDTH) >200' FROM PIT AREA. ONE TO BURIED GAS LINE ALONG EAST SIDEWALL, EXCAVATION TERMINATED. BOTTOM - BEDROCK (SANDSTONE), LT. GRAY IN COLOR, NO APPARENT HC ODOR IN OVM SAMPLE.

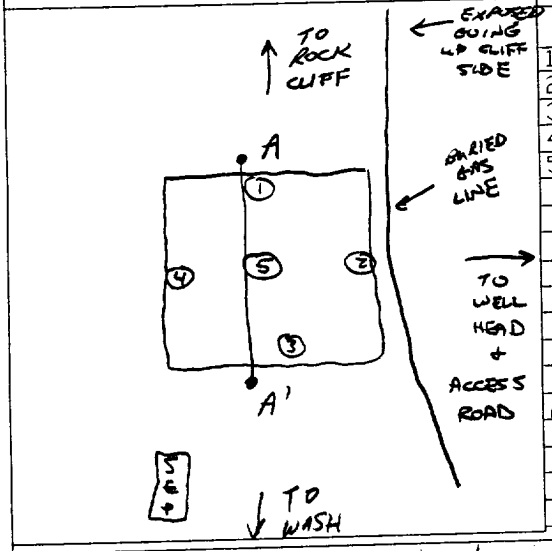
CLOSED

FIELD 418.1 CALCULATIONS

| TIME | SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

SCALE
0 FT

## PIT PERIMETER




## OVM RESULTS

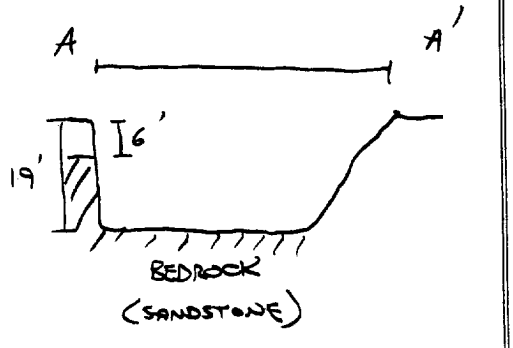
| SAMPLE ID | FIELD HEADSPACE PID (ppm) |
|---|---|
| 1 @ 13' | 0.0 |
| 2 @ 13' | 394 |
| 3 @ 14' | 0.0 |
| 4 @ 12' | 0.0 |
| 5 @ 19' | 0.0 |

LAB SAMPLES

| SAMPLE ID | ANALYSIS | TIME |
|---|---|---|
| ②@13' | TAH/BTEX | 1145 |

BOTH PASSED

## PIT PROFILE




TRAVEL NOTES: CALLOUT: 8/29/96 MORN. FOR 9/3/96 ONSITE: 9/3/96 MORN.

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified
## Nonhalogenated Volatile Organics
## Total Petroleum Hydrocarbons

| | | | |
|---|---|---|---|
| Client: | Blagg / Conoco | Project #: | 04034 |
| Sample ID: | 2 @ 13' | Date Reported: | 09-04-96 |
| Laboratory Number: | A535 | Date Sampled: | 09-03-96 |
| Chain of Custody No: | 4901 | Date Received: | 09-04-96 |
| Sample Matrix: | Soil | Date Extracted: | 09-04-96 |
| Preservative: | Cool | Date Analyzed: | 09-04-96 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|---|---|---|
| **Gasoline Range (C5 - C10)** | **91.6** | **0.2** |
| **Diesel Range (C10 - C28)** | **705** | **0.1** |
| **Total Petroleum Hydrocarbons** | **797** | **0.2** |

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **AXI Apache J #22 Separator Pit.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8020
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client: | Blagg / Conoco | Project #: | 04034 |
| Sample ID: | 2 @ 13' | Date Reported: | 09-04-96 |
| Laboratory Number: | A535 | Date Sampled: | 09-03-96 |
| Chain of Custody: | 4901 | Date Received: | 09-04-96 |
| Sample Matrix: | Soil | Date Analyzed: | 09-04-96 |
| Preservative: | Cool | Date Extracted: | 09-04-96 |
| Condition: | Cool & Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|---|---|---|
| **Benzene** | **82.7** | **11.7** |
| **Toluene** | **577** | **11.1** |
| **Ethylbenzene** | **1,020** | **10.1** |
| **p,m-Xylene** | **5,720** | **14.4** |
| **o-Xylene** | **3,250** | **6.9** |
| **Total BTEX** | **10,650** | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|---|---|---|
| | **Trifluorotoluene** | **97 %** |
| | **Bromofluorobenzene** | **100 %** |

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

**Comments:** **AXI Apache J #22 Separator Pit.**

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4901

# CHAIN OF CUSTODY RECORD

| Client/Project Name | Project Location | ANALYSIS/PARAMETERS |
|---|---|---|
| BLAGG / CONOCO | SEPARATOR PIT<br>AXI APACHE J #22 | |
| Sampler: (Signature)<br>Nelson Velez | Chain of Custody Tape No. | |

| Sample No./ Identification | Sample Date | Sample Time | Lab Number | Sample Matrix | No. of Containers | TPH (8015) | BTEX (8020) | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ②@13' | 9/3/96 | 1145 | #535 | SOIL | 1 | ✓ | ✓ | | | | | PRESERV. - COOL |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| Nelson Velez | 9/4/96 | 0745 | [signature] | 9-4-96 | 0745 |
| Relinquished by: (Signature) | | | Received by: (Signature) | | |
| Relinquished by: (Signature) | | | Received by: (Signature) | | |


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