

District I *Denny & East*  
P.O. Box 1980, Santa Fe, NM  
District II  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
MAY 03 1993

State of New Mexico  
Energy, Minerals and Natural Resources Department  
DEPUTY OIL & GAS INSPECTOR  
OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

RECEIVED  
FEB 17 1999  
OIL CON. DIV.

**PIT REMEDIATION AND CLOSURE REPORT**

C4341

Operator: Amoco Production Company Telephone: (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: ABRAMS GC C1  
Well Name

Location: Unit or Qtr/Qtr Sec F Sec 25 T29N R10W County SAN JUAN

Pit Type: Separator    Dehydrator    Other Blow

Land Type: BLM   , State   , Fee X, Other   

Location: Pit dimensions: length 57', width 45', depth 7'  
(attach diagram)

Reference: wellhead X, other   

Footage from reference: 45'

Direction from reference: 62 Degrees    East North X  
of  
X West South   

**Depth To Ground Water:**

(Vertical distance from  
contaminants to seasonal  
high water elevation of  
ground water)

Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
Greater than 100 feet (0 Points) 20

**Wellhead Protection Area:**

(Less than 200 feet from a private  
domestic water source, or; less than  
1000 feet from all other water sources)

Yes (20 points)  
No (0 points) 0

**Distance To Surface Water:**

(Horizontal distance to perennial  
lakes, ponds, rivers, streams, creeks,  
irrigation canals and ditches)

Less than 200 feet (20 points)  
200 feet to 1000 feet (10 points) 10  
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 30

Date Remediation Started: \_\_\_\_\_ Date Completed: 3/14/94

Remediation Method: Excavation ☒ Approx. cubic yards 950  
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation \_\_\_\_\_

Other \_\_\_\_\_

Remediation Location: Onsite ☒ Offsite \_\_\_\_\_  
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: \_\_\_\_\_

PIT EXCAVATED & SOILS LANDFARMED ON-SITE

Ground Water Encountered: No \_\_\_\_\_ Yes ☒ Depth 7'

Final Pit: Sample location REFER TO "CLOSURE VERIFICATION" SHEET

Closure Sampling: \_\_\_\_\_  
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth \_\_\_\_\_

Sample date \_\_\_\_\_ Sample time \_\_\_\_\_

Sample Results

Benzene(ppm) \_\_\_\_\_

Total BTEX(ppm) \_\_\_\_\_

Field headspace(ppm) \_\_\_\_\_

TPH \_\_\_\_\_

Ground Water Sample: Yes ☒ No \_\_\_\_\_ (If yes, attach sample results)

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

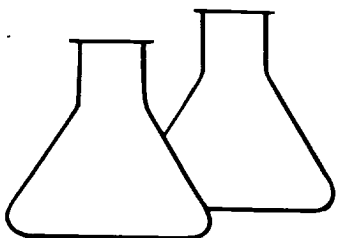
DATE 4/27/94

SIGNATURE B. Shaw

PRINTED NAME  
AND TITLE

Buddy D. Shaw  
ENVIRONMENTAL COORDINATOR





# ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401  
PHONE: (505) 632-0615 • FAX: (505) 632-1865

## EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

|                    |                 |                     |          |
|--------------------|-----------------|---------------------|----------|
| Client:            | Amoco           | Project #:          | 92140    |
| Sample ID:         | 1 @ GW (7')     | Date Reported:      | 03-16-94 |
| Laboratory Number: | 7055            | Date Sampled:       | 03-14-94 |
| Sample Matrix:     | Water           | Date Received:      | 03-15-94 |
| Preservative:      | HgCl and Cool   | Date Analyzed:      | 03-15-94 |
| Condition:         | Cool and Intact | Analysis Requested: | BTEX     |

| Parameter    | Concentration<br>(ug/L) | Det.<br>Limit<br>(ug/L) |
|--------------|-------------------------|-------------------------|
| Benzene      | 0.6                     | 0.2                     |
| Toluene      | 3.2                     | 0.4                     |
| Ethylbenzene | 1.8                     | 0.2                     |
| p,m-Xylene   | 11.1                    | 0.3                     |
| o-Xylene     | 5.8                     | 0.3                     |

| SURROGATE RECOVERIES: | Parameter          | Percent Recovery |
|-----------------------|--------------------|------------------|
|                       | Trifluorotoluene   | 97 %             |
|                       | Bromofluorobenzene | 100 %            |

Method: Method 5030A, 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. 1986

ND - Parameter not detected at the stated detection limit.

Comments: Abrams GC C1 Blow Pit C4341

*Kevin L. Jensen*  
Analyst

*Morris D. Young*  
Review



|                      |                                                                                       |                                                     |
|----------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------|
| CLIENT: <u>AMOCO</u> | <b>BLAGG ENGINEERING, INC.</b><br>P.O. BOX 87, BLOOMFIELD, NM 87413<br>(505) 632-1199 | LOCATION NO: <u>L4341</u><br>C.O.C. NO: <u>5625</u> |
|----------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------|

**FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION**

|                                                                                                                                                                                                                                                    |                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| LOCATION: NAME: <u>ABRAMS</u> GC C WELL #: <u>1</u> PITS: <u>BLW</u><br>QUAD/UNIT(F) SEC: <u>25</u> TWP: <u>29N</u> RNG: <u>10W</u> PM: <u></u> CNTY: <u>SS</u> ST: <u>NM</u><br>QTR/FOOTAGE: <u>SW/4</u> <u>NW/4</u> CONTRACTOR: <u>P &amp; S</u> | DATE STARTED: <u>11 25 97</u><br>DATE FINISHED: <u></u><br>ENVIRONMENTAL SPECIALIST: <u>NV/EP</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|

**SOIL REMEDIATION:**

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| REMEDICATION SYSTEM: <u>LANDFARM</u> | APPROX. CUBIC YARDAGE: <u>450</u> |
| LAND USE: <u>RANGE</u>               | LIFT DEPTH (ft): <u>NA</u>        |

**FIELD NOTES & REMARKS:**

DEPTH TO GROUNDWATER: < 50' NEAREST WATER SOURCE: < 1000' NEAREST SURFACE WATER: < 1000'

NMDCI FANING SCOPE: 40 NMDCI TPH CLOSURE STD: 100 PPM

SOIL IS DARK YELLOW W/ LIGHT BROWN. SILTY SAND. SLIGHTLY MOIST

NO STAIN OR HC ODOR

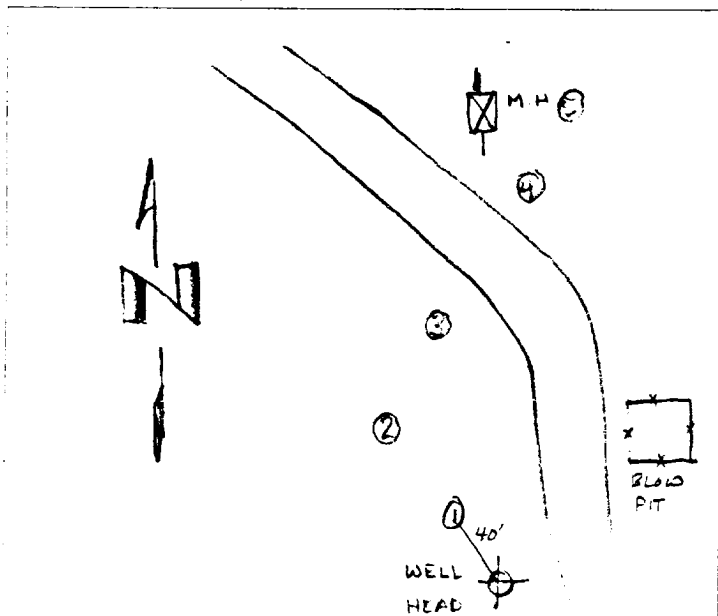
TOOK SPT COMPOSITE OF FANING LOCATION

NO ACTUAL LANDFARM OBSERVED ON-SITE.

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS

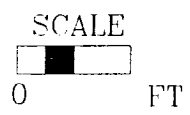


OVM RESULTS

| SAMPLE ID | FIELD HEADSPACE PID (ppm) |
|-----------|---------------------------|
| LF-1      | 0.0                       |
|           |                           |
|           |                           |
|           |                           |
|           |                           |
|           |                           |

LAB SAMPLES

| SAMPLE ID | ANALYSIS | TIME | RESULTS |
|-----------|----------|------|---------|
| LF-1      | 8015     | 0850 | ND      |
|           |          |      |         |
|           |          |      |         |
|           |          |      |         |
|           |          |      |         |
|           |          |      |         |



TRAVEL NOTES: TALENT: N/A ONSITE: 11 25 97 0850

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

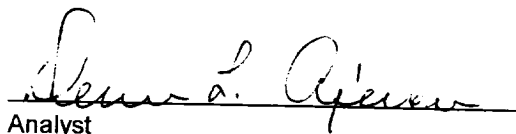
|                      |                 |                     |          |
|----------------------|-----------------|---------------------|----------|
| Client:              | Blagg / AMOCO   | Project #:          | 04034-10 |
| Sample ID:           | LF - 1          | Date Reported:      | 12-03-97 |
| Laboratory Number:   | C597            | Date Sampled:       | 11-25-97 |
| Chain of Custody No: | 5625            | Date Received:      | 11-26-97 |
| Sample Matrix:       | Soil            | Date Extracted:     | 11-26-97 |
| Preservative:        | Cool            | Date Analyzed:      | 12-01-97 |
| Condition:           | Cool and Intact | Analysis Requested: | 8015 TPH |

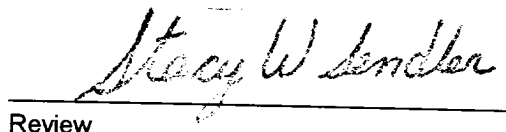
| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | ND                       | 0.2                      |
| Diesel Range (C10 - C28)     | ND                       | 0.1                      |
| Total Petroleum Hydrocarbons | ND                       | 0.2                      |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Abrams GC C #1 Landfarm. 5 Pt. Composite.**

  
Analyst

  
Review

## 5625

[illegible]