

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
811 South First, Artesia, NM 88210

District III  
1000 RioBrazos Rd., Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department  
**OIL CONSERVATION DIVISION**  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-104  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

|                                                                                                                             |                                                |                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------|
| <sup>1</sup> Operator name and Address<br><b>CROSS TIMBERS OPERATING COMPANY</b><br>6001 Highway 64<br>Farmington, NM 87401 |                                                | <sup>2</sup> OGRID Number<br>167067                                                   |
|                                                                                                                             |                                                | <sup>3</sup> Reason for Filing Code <b>11/98</b><br>Change of Operator <b>12/1/97</b> |
| <sup>4</sup> API Number<br>30-045-20170                                                                                     | <sup>5</sup> Pool Name<br>BASIN DAKOTA         | <sup>6</sup> Pool Code<br>71599                                                       |
| <sup>7</sup> Property Code                                                                                                  | <sup>8</sup> Property Name<br>C M MORRIS COM A | <sup>9</sup> Well Number<br>1                                                         |

II. <sup>10</sup> Surface Location

|                    |               |                 |              |         |                       |                       |                      |                     |              |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|-----------------------|----------------------|---------------------|--------------|
| UL or lot no.<br>L | Section<br>13 | Township<br>27N | Range<br>10W | Lot.Idn | Feet from the<br>1450 | North/South Line<br>S | Feet from the<br>790 | East/West line<br>W | County<br>SJ |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|-----------------------|----------------------|---------------------|--------------|

<sup>11</sup> Bottom Hole Location

|                             |                                     |                                   |                                   |                                    |                                     |                  |               |                |        |
|-----------------------------|-------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|------------------|---------------|----------------|--------|
| UL or lot no.               | Section                             | Township                          | Range                             | Lot.Idn                            | Feet from the                       | North/South Line | Feet from the | East/West line | County |
| <sup>12</sup> Lse Code<br>F | <sup>13</sup> Producing Method Code | <sup>14</sup> Gas Connection Date | <sup>15</sup> C-129 Permit Number | <sup>16</sup> C-129 Effective Date | <sup>17</sup> C-129 Expiration Date |                  |               |                |        |

III. Oil and Gas Transporters

|                                    |                                               |                   |                   |                                                     |
|------------------------------------|-----------------------------------------------|-------------------|-------------------|-----------------------------------------------------|
| <sup>18</sup> Transporter<br>OGRID | <sup>19</sup> Transporter Name<br>and Address | <sup>20</sup> POD | <sup>21</sup> O/G | <sup>22</sup> POD ULSTR Location<br>and Description |
|                                    |                                               |                   |                   |                                                     |
|                                    |                                               |                   |                   |                                                     |
|                                    |                                               |                   |                   |                                                     |
|                                    |                                               |                   |                   |                                                     |
|                                    |                                               |                   |                   |                                                     |
|                                    |                                               |                   |                   |                                                     |

IV. Produced Water

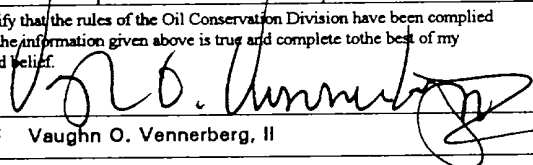
|                   |                                                  |
|-------------------|--------------------------------------------------|
| <sup>23</sup> POD | <sup>24</sup> POD ULSTR Location and Description |
|-------------------|--------------------------------------------------|

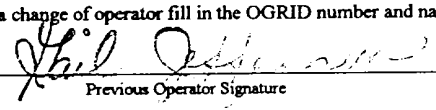
V. Well Completion Data

|                         |                                      |                         |                            |                           |                         |
|-------------------------|--------------------------------------|-------------------------|----------------------------|---------------------------|-------------------------|
| <sup>25</sup> Spud Date | <sup>26</sup> Ready Date             | <sup>27</sup> TD        | <sup>28</sup> PBTD         | <sup>29</sup> Perforation | <sup>30</sup> DHC,DC,MC |
| <sup>31</sup> Hole Size | <sup>32</sup> Casing and Tubing Size | <sup>33</sup> Depth Set | <sup>34</sup> Sacks Cement |                           |                         |
|                         |                                      |                         |                            |                           |                         |
|                         |                                      |                         |                            |                           |                         |
|                         |                                      |                         |                            |                           |                         |

VI. Well Test Data

|                            |                                 |                         |                           |                             |                             |
|----------------------------|---------------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
| <sup>35</sup> Date New Oil | <sup>36</sup> Gas Delivery Date | <sup>37</sup> Test Date | <sup>38</sup> Test Length | <sup>39</sup> Tbg. Pressure | <sup>40</sup> Csg. Pressure |
| <sup>41</sup> Choke Size   | <sup>42</sup> Oil               | <sup>43</sup> Water     | <sup>44</sup> Gas         | <sup>45</sup> AOF           | <sup>46</sup> Test Method   |

|                                                                                                                                                                                                                                                                                                            |                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <sup>47</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.<br>Signature:  | <b>OIL CONSERVATION DIVISIO</b><br>Approved by: Frank T. Chavez<br>Title: Supervisor District #3<br>Approval Date: |
| Printed Name: Vaughn O. Vennerberg, II<br>Title: Sr. Vice President-Land<br>Date: December 1, 1997<br>Phone: (505) 632-5200                                                                                                                                                                                |                                                                                                                    |

|                                                                                                                                                                                                                                |                                |                                                                            |                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------|-----------------------------------|
| <sup>48</sup> If this is a change of operator fill in the OGRID number and name of the previous operator<br><br>Previous Operator Signature | Gail Jefferson<br>Printed Name | Amoco Production Company<br>Senior Administrative Staff Assistant<br>Title | OGRID# 000778<br>12/01/97<br>Date |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------|-----------------------------------|

District I  
P.O. Box 1980, Hobbs, NM  
District II  
P.O. Drawer DD, Artesia, NM 88211  
District III  
Braze Rd. Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Blow - OK  
seppad - OK  
SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

OIL CON. DIV.  
**PIT REMEDIATION AND CLOSURE REPORT**

A0071

Operator: Amoco Production Company Telephone: (505) - 326-9200  
Address: 200 Amoco Court, Farmington, New Mexico 87401  
Facility Or: CM Morris Com A 1  
Well Name  
Location: Unit or Qtr/Qtr Sec L Sec 13 T 27N R 10W County San Juan  
Pit Type: Separator    Dehydrator    Other blow  
Land Type: BLM ✓, State   , Fee   , Other Com. AGMT.

Pit Location: Pit dimensions: length 12', width 13', depth 9'  
(attach diagram) Reference: wellhead ✓, other     
Footage from reference: 80  
Direction from reference: 8 Degrees    East North ✓  
of     
✓ 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) 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 (20 points) 0  
No (0 points)   

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)  
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Completed: 6/23/94

Approx. cubic yards 52

## Insitu Bioremediation

---

Onsite ✓ Offsite

## Excavation

No ☒

**Yes**

### Depth

Sample location see Attached Documents

9'

6/23/94

1440

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

6

ND

**Yes**

No

(If yes, attach sample results)

DATE 6/24/94

PRINTED NAME  
AND TITLE

Buddy D. Shaw  
Environmental Coordinator

Date Remediation Started: \_\_\_\_\_ Date Completed: 6/23/94

Remediation Method: Excavation ☒ Approx. cubic yards 52  
(Check all appropriate  
tions) Landfarmed ☒ Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

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

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

Excavation

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

Final Pit: Sample location see Attached Documents

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

Sample depth 9'

Sample date 6/23/94 Sample time 1440

Sample Results

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

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

Field headspace(ppm) 6

TPH ND

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

L. E. 6/24/94  
SIGNATURE B. Shaw

PRINTED NAME  
AND TITLE

Buddy D. Shaw  
Environmental Coordinator

results copied to Johnny 7/6/94

CLIENT: Amoco

ENVIROTECH Inc.

PIT NO: A0071

5796 US HWY. 64, FARMINGTON, NM 87401  
(505) 632-0615

C.E.C. NO: 3772

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140

PAGE No: 1 of 1

LOCATION: NAME: CM Morris Com A WELL #: 1 PIT: blow  
QUAD/UNIT: L SEC: 13 TWP: 27N RNG: 10W BM: NM CNTY: SJ ST: NM  
QTR/FOOTAGE: NW/4 SW/4 CONTRACTOR: EPC

DATE STARTED: \_\_\_\_\_  
DATE FINISHED: 6/23/94

ENVIRONMENTAL SPECIALIST: CLG

SOIL REMEDIATION: EXCAVATION APPROX. 12 FT. x 13 FT. x 9 FT. DEEP.  
DISPOSAL FACILITY: landfirmed on-site CUBIC YARDAGE: 52  
LAND USE: range LEASE: 94-000445

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 80 FEET N 8 W FROM WELLHEAD.  
DEPTH TO GROUNDWATER: > 100 NEAREST WATER SOURCE: > 1000 NEAREST SURFACE WATER: > 1000  
NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 ppm

SOIL AND EXCAVATION DESCRIPTION:

light yellow brown sand, slightly moist, slightly cohesive  
excavation continued to west for (4A)  
" " down for (5A)

FIELD 418.1 CALCULATIONS

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

SCALE



0

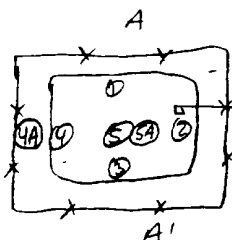
FEET

PIT PERIMETER



OVM RESULTS

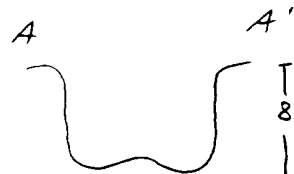
PIT PROFILE



to well head

| SAMPLE ID | FIELD HEADSPACE PID (ppm) |
|-----------|---------------------------|
| 1         | 6'                        |
| 2         | 6'                        |
| 3         | 6'                        |
| 4         | 6'                        |
| 5         | 8'                        |
| 4A        | 6'                        |
| 5A        | 9'                        |
| 6         | 4                         |
| 7         | 4                         |
| 8         | 1                         |
| 9         | 237                       |
| 10        | 145                       |
| 11        | 2                         |
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| 100       |                           |

LAB SAMPLES  
(5A) 9' for TPH (418.1)



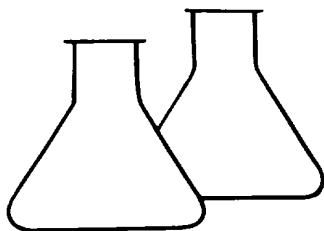
TRAVEL NOTES

CALLOUT:

6/22/94

ONSITE:

6/23/94



# ENVIROTECH LABS

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

## EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

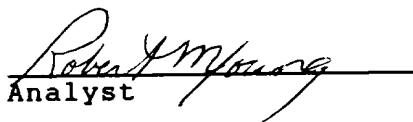
|                    |                 |                  |          |
|--------------------|-----------------|------------------|----------|
| Client:            | Amoco           | Project #:       | 92140    |
| Sample ID:         | 5A @ 9'         | Date Sampled:    | 06-23-94 |
| Laboratory Number: | 7660            | Date Received:   | 06-23-94 |
| Sample Matrix:     | Soil            | Date Analyzed:   | 06-26-94 |
| Preservative:      | Cool            | Date Reported:   | 06-30-94 |
| Condition:         | Cool and Intact | Analysis Needed: | TPH      |

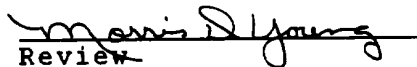
| Parameter                       | Concentration<br>(mg/kg) | Det.<br>Limit<br>(mg/kg) |
|---------------------------------|--------------------------|--------------------------|
| -----                           | -----                    | -----                    |
| Total Petroleum<br>Hydrocarbons | ND                       | 30.0                     |

ND = Parameter not detected at the stated detection limit.  
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: CM Morris Com A1 Blow Pit A0071

  
Analyst

  
Review

A0071

## CHAIN OF CUSTODY RECORD

| Client/Project Name                        |             | Project Location          |            | ANALYSIS/PARAMETERS                                |                   |             |  |  |  |  |  |  |  |  |                |
|--------------------------------------------|-------------|---------------------------|------------|----------------------------------------------------|-------------------|-------------|--|--|--|--|--|--|--|--|----------------|
| Amoco 92140                                |             | CM Morris Com A1          |            |                                                    |                   |             |  |  |  |  |  |  |  |  |                |
| Sampler: (Signature)<br><i>CLG</i>         |             | Chain of Custody Tape No. |            |                                                    |                   |             |  |  |  |  |  |  |  |  |                |
| Sample No./ Identification                 | Sample Date | Sample Time               | Lab Number | Sample Matrix                                      | No. of Containers | TOT (418.1) |  |  |  |  |  |  |  |  | Remarks        |
| ⑤ e 8'                                     | 6/23/94     | 1325                      | 7659       | soil                                               | 1                 | ✓           |  |  |  |  |  |  |  |  | prod./exp. pit |
| ⑤A e 9'                                    | "           | 1440                      | 7660       | "                                                  | 1                 | ✓           |  |  |  |  |  |  |  |  | blow pit       |
|                                            |             |                           |            |                                                    |                   |             |  |  |  |  |  |  |  |  |                |
|                                            |             |                           |            |                                                    |                   |             |  |  |  |  |  |  |  |  |                |
|                                            |             |                           |            |                                                    |                   |             |  |  |  |  |  |  |  |  |                |
|                                            |             |                           |            |                                                    |                   |             |  |  |  |  |  |  |  |  |                |
|                                            |             |                           |            |                                                    |                   |             |  |  |  |  |  |  |  |  |                |
|                                            |             |                           |            |                                                    |                   |             |  |  |  |  |  |  |  |  |                |
|                                            |             |                           |            |                                                    |                   |             |  |  |  |  |  |  |  |  |                |
|                                            |             |                           |            |                                                    |                   |             |  |  |  |  |  |  |  |  |                |
|                                            |             |                           |            |                                                    |                   |             |  |  |  |  |  |  |  |  |                |
|                                            |             |                           |            |                                                    |                   |             |  |  |  |  |  |  |  |  |                |
|                                            |             |                           |            |                                                    |                   |             |  |  |  |  |  |  |  |  |                |
| Relinquished by: (Signature)<br><i>CLG</i> |             | Date                      | Time       | Received by: (Signature)<br><i>Robert M. Young</i> |                   |             |  |  |  |  |  |  |  |  |                |
| Relinquished by: (Signature)               |             | 6/23/94                   | 1600       | Received by: (Signature)                           |                   |             |  |  |  |  |  |  |  |  |                |
| Relinquished by: (Signature)               |             |                           |            | Received by: (Signature)                           |                   |             |  |  |  |  |  |  |  |  |                |

**ENVIROTECH INC.**  
 5796 U.S. Highway 64-3014  
 Farmington, New Mexico 87401  
 (505) 632-0615

District I  
P O Box 1980, Hobbs, NM  
District II  
P.O. Drawer DD, Artesia, NM 88211  
District III  
Brazeal Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

## PIT REMEDIATION AND CLOSURE REPORT

A0071

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility or: CM Morris Com A 1  
Well Name

Location: Unit or Qtr/Qtr Sec L Sec 13 T 27N R 10W County San Juan

Pit Type: Separator ☒ Dehydrator ☐ Other production

Land Type: BLM ☒, State ☐, Fee ☐, Other COM. AGMT.

Pit Location: Pit dimensions: length 12', width 12', depth 8'  
(attach diagram)

Reference: wellhead ☒, other ☐

Footage from reference: 110

Direction from reference: 42 Degrees ☒ East North ☒  
of  
☐ 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) 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 (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)  
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0



Date Remediation Started: \_\_\_\_\_

Date Completed: 6/23/94

Remediation Method: Excavation ☒

(Check all appropriate sections)

Landfarmed ☒

Approx. cubic yards 43

Insitu Bioremediation \_\_\_\_\_

Other \_\_\_\_\_

Remediation Location:

(ie. landfarmed onsite, name and location of offsite facility)

Onsite ☒ Offsite \_\_\_\_\_

General Description of Remedial Action: \_\_\_\_\_

Excavation

Ground Water Encountered:

No ☒

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 8'

Sample date 6/23/94

Sample time 1325

Sample Results

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

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

Field headspace (ppm) 2

TPH 232 ppm

Ground Water Sample:

Yes \_\_\_\_\_

No ☒

(If yes, attach sample results)

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

DATE 6/24/94

SIGNATURE

B. Shaw

PRINTED NAME  
AND TITLE

Buddy D. Shaw  
Environmental Coordinator

Date Remediation Started: \_\_\_\_\_

Date Completed: 6/23/94

Remediation Method: Excavation ☒  
(Check all appropriate sections)

Approx. cubic yards 43

Landfarmed ☒

Insitu Bioremediation \_\_\_\_\_

Other \_\_\_\_\_

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

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

Excavation

Ground Water Encountered: \_\_\_\_\_

No ☒

Yes \_\_\_\_\_

Depth \_\_\_\_\_

1 Pit:

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

Sample location see Attached Documents

Sample depth 8'

Sample date 6/23/94

Sample time 1325

Sample Results

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

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

Field headspace(ppm) 2

TPH 232 ppm

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

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

6/24/94

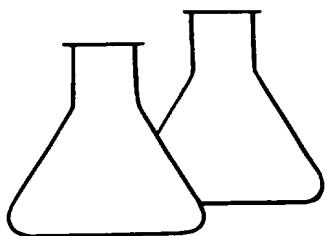
SIGNATURE

B. Shaw

PRINTED NAME  
AND TITLE

Buddy D. Shaw  
ENVIRONMENTAL COORDINATOR

ONSTE: 6/23/94



# ENVIROTECH LABS

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

## EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

|                    |                 |                  |          |
|--------------------|-----------------|------------------|----------|
| Client:            | Amoco           | Project #:       | 92140    |
| Sample ID:         | 5 @ 8'          | Date Sampled:    | 06-23-94 |
| Laboratory Number: | 7659            | Date Received:   | 06-23-94 |
| Sample Matrix:     | Soil            | Date Analyzed:   | 06-26-94 |
| Preservative:      | Cool            | Date Reported:   | 06-30-94 |
| Condition:         | Cool and Intact | Analysis Needed: | TPH      |

| Parameter                       | Concentration<br>(mg/kg) | Det.<br>Limit<br>(mg/kg) |
|---------------------------------|--------------------------|--------------------------|
| -----                           | -----                    | -----                    |
| Total Petroleum<br>Hydrocarbons | 232                      | 30.0                     |

ND = Parameter not detected at the stated detection limit.  
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: CM Morris Com A1 Prod/Sep Pit A0071

Robert J. Young  
Analyst

Morris D. Young  
Review

CLIENT: AMOCOBLAGG ENGINEERING, INC.  
P.O. BOX 87, BLOOMFIELD, NM 87413  
(505) 632-1199LOCATION NO: A0071C.O.C. NO: 5766

## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: MORRIS, Com A WELL #: 1 PITS: BLOW, SEP/PROD.DATE STARTED: 5/5/98

DATE FINISHED: \_\_\_\_\_

QUAD/UNIT: L SEC: 13 TWP: 27N RNG: 10W PM: NM CNTY: ST ST: NMENVIRONMENTAL SPECIALIST: NVQTR/FOOTAGE: NW/4 SW/4 CONTRACTOR: EPC

## SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARMEDAPPROX. CUBIC YARDAGE: 95LAND USE: RANGELIFT DEPTH (ft): 6"-1'

## FIELD NOTES &amp; REMARKS:

DEPTH TO GROUNDWATER: 7100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMDCD RANKING SCORE: 2 NMDCD TPH CLOSURE STD: 5000 PPM

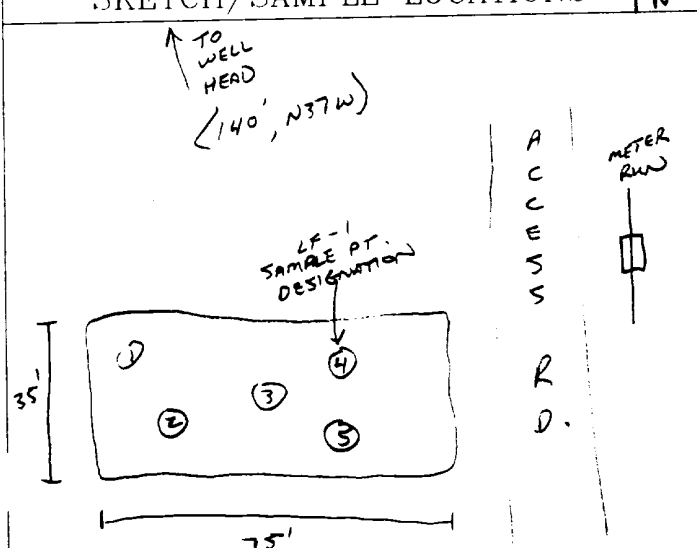
SOIL MOSTLY DR. YELL. BROWN SAND NON COHESIVE SLIGHTLY MOIST FIRM,  
NO APPARENT DISCOLORATION OBSERVED UNCERTAIN IF AREA SAMPLED IS  
ACTUAL LANDFARMED MATERIAL, COLLECTED 5 PT. COMPOSITE FOR LAB  
ANALYSIS.

CLOSED

## FIELD 418.1 CALCULATIONS

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

## SKETCH/SAMPLE LOCATIONS



## OVM RESULTS

## LAB SAMPLES

| SAMPLE ID | FIELD HEADSPACE PID (ppm) | SAMPLE ID | ANALYSIS   | TIME | RESULTS |
|-----------|---------------------------|-----------|------------|------|---------|
| LF-1      | 0.0                       | LF-1      | TPH (8015) | 0900 | 0.9     |
|           |                           |           |            |      |         |
|           |                           |           |            |      |         |
|           |                           |           |            |      |         |
|           |                           |           |            |      |         |
|           |                           |           |            |      |         |

## SCALE

0 FT

## TRAVEL NOTES:

CALLOUT: NAONSITE: 5/5/98

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

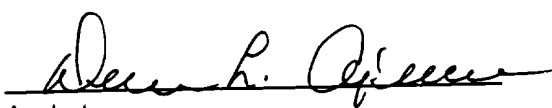
|                      |                 |                     |          |
|----------------------|-----------------|---------------------|----------|
| Client:              | Blagg / Amoco   | Project #:          | 98028-1  |
| Sample ID:           | LF - 1          | Date Reported:      | 05-06-98 |
| Laboratory Number:   | D225            | Date Sampled:       | 05-05-98 |
| Chain of Custody No: | 5766            | Date Received:      | 05-05-98 |
| Sample Matrix:       | Soil            | Date Extracted:     | 05-06-98 |
| Preservative:        | Cool            | Date Analyzed:      | 05-06-98 |
| Condition:           | Cool and Intact | Analysis Requested: | 8015 TPH |

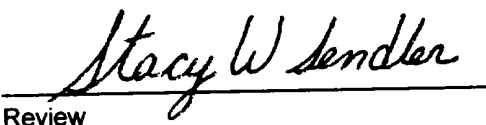
| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | 0.3                      | 0.2                      |
| Diesel Range (C10 - C28)     | 0.6                      | 0.1                      |
| Total Petroleum Hydrocarbons | 0.9                      | 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: **Morris, CM COM A #1 Landfarm. 5 Pt. Composite.**

  
Analyst

  
Review

