

3R - 103

REPORTS

DATE:

1999

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413
Phone: (505) 632-1199 Fax: (505) 632-3903

February 17, 1999

RECEIVED

FEB 19 1999

**ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION**

Mr. William C. Olson -Hydrogeologist
Environmental Bureau
New Mexico Oil Conservation Division
2040 Pacheco
State Land Building
Santa Fe, New Mexico 87505

RE: Cross Timbers Oil Co. (Amoco) Pit Closure/Groundwater Monitoring Reports
San Juan County, New Mexico

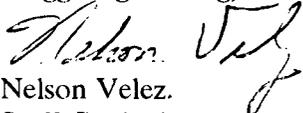
Dear Mr. Olson:

The attached reports on pit closure/groundwater monitoring at nineteen (19) previously owned Amoco well locations is being submitted for your review. These well sites have been acquired by Cross Timbers Co. as of December, 1997. The well names are listed on the following page of this correspondence. The reports for each individual well site are laid out in the following order;

- 1) Pit Closure documentation and/or a brief description of all activities which occurred during the investigation, sampling procedures, and/or interpretations, conclusions, and possible recommendations.
- 2) A summary spreadsheet (when applicable) containing laboratory BTEX, general chemistry (if applicable), and any other pertinent information.
- 3) When applicable: site and groundwater gradient maps, boring logs, and monitor well detail schematics.
- 4) Laboratory reports for each sampling event.
- 5) Quality Assurance/Quality Control data.

A copy of this report is also being submitted to Mr. Denny Foust at the Aztec NMOCD office. If you have any questions or comments concerning this report, please contact Blagg Engineering at 632-1199.

Respectfully submitted,
Blagg Engineering, Inc.


Nelson Velez.
Staff Geologist

Attachments: Pit Closure/Groundwater Monitoring Reports

xc: Denny Foust, NMOCD Aztec Office; Nina Hutton, Cross Timbers Oil Co.

NJV/njv

FEB99-PC.COV

Cross Timbers Oil Company
Pit Closure/Groundwater Monitoring Reports
Well Sites being submitted, February 1999

- | | |
|------------------------|-----------------------------|
| 1) Abrams GC C # 1 | Unit F, Sec. 25, T29N, R10W |
| 2) Abrams L # 1A | Unit I, Sec. 26, T29N, R10W |
| 3) Anderson GC A # 1 | Unit C, Sec. 28, T29N, R10W |
| 4) Armenta GC A # 1 | Unit D, Sec. 27, T29N, R10W |
| 5) Baca GC A # 1 | Unit H, Sec. 26, T29N, R10W |
| 6) Baca GC A # 1A | Unit F, Sec. 26, T29N, R10W |
| 7) Chavez GC C # 1R | Unit J, Sec. 23, T29N, R10W |
| 8) Federal GC 3-1 | Unit N, Sec. 23, T29N, R10W |
| 9) Garcia GC B # 1E | Unit M, Sec. 21, T29N, R10W |
| 10) Haney GC B # 1E | Unit M, Sec. 20, T29N, R10W |
| 11) Hare GC C # 1 | Unit M, Sec. 25, T29N, R10W |
| 12) Hare GC C # 1E | Unit F, Sec. 25, T29N, R10W |
| 13) Hare GC F # 1 | Unit G, Sec. 23, T29N, R11W |
| 14) Lefkovitz GC B # 1 | Unit A, Sec. 25, T29N, R10W |
| 15) Masden GC # 1 | Unit A, Sec. 28, T29N, R11W |
| 16) Romero GC A # 1 | Unit K, Sec. 27, T29N, R10W |
| 17) Stedje GC # 1 | Unit F, Sec. 27, T30N, R12W |
| 18) Stedje GC # 1E | Unit A, Sec. 27, T30N, R12W |
| 19) Trujillo GC A # 1 | Unit C, Sec. 28, T29N, R10W |

District I
P.O. Box 1980, Hobbs, NM
District II
Drawer DD, Artesia, NM 88211
District III
1000 Rio Bravo Rd, Amos, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

RECEIVED

APPROVED

FEB 19 1999

PIT REMEDIATION AND CLOSURE REPORT

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

C4960

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility or: BACA GC A1
Well Name _____
Location: Unit or Qtr/Qtr Sec H Sec 26 T 29N R 10W County SAN JUAN
Pit Type: Separator ___ Dehydrator ___ Other BLOW
Land Type: BLM ___ , State ___ , Fee ___ , Other COM, AGMT.

Pit Location: Pit dimensions: length 34 , width 30 , depth 14
(attach diagram) Reference: wellhead , other _____
Footage from reference: 100'
Direction from reference: 0 Degrees ___ East North ___
of
 West South ___

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 20
high water elevation of ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 10
domestic water source, or; less than 1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 10
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 40

Date Remediation Started: _____ Date Completed: 3/23/94

Remediation Method: Excavation Approx. cubic yards 610
(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: _____

Ground Water Encountered: No _____ Yes Depth 12'

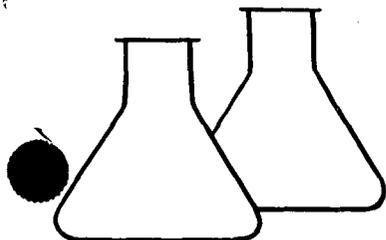
Final Pit: Sample location REFER TO "CLOSURE VERIFICATION" SHEET
Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth _____
Sample date _____ Sample time _____

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 4/29/94
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: | 5 @ GW (12') | Date Reported: | 03-24-94 |
| Laboratory Number: | 7093 | Date Sampled: | 03-23-94 |
| Sample Matrix: | Water | Date Received: | 03-23-94 |
| Preservative: | HgCl and Cool | Date Analyzed: | 03-23-94 |
| Condition: | Cool and Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/L) | Det. Limit (ug/L) |
|--------------|-------------------------|-------------------------|
| ----- | ----- | ----- |
| Benzene | ND | 0.2 |
| Toluene | 0.9 | 0.4 |
| Ethylbenzene | ND | 0.4 |
| p,m-Xylene | 2.9 | 0.5 |
| o-Xylene | 1.0 | 0.4 |

| SURROGATE RECOVERIES: | Parameter | Percent Recovery |
|-----------------------|--------------------|------------------|
| | ----- | ----- |
| | Trifluorotoluene | 98 % |
| | Bromofluorobenzene | 97 % |

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: Baca GC A1 Blow Pit C4960

Dennis L. Jensen
Analyst

Mavis D. Young
Review

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

NM 015P3586C

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

COM. AGMT

8. Well Name and No.

BACA GC A #1

9. API Well No.

3004526110

10. Field and Pool, or Exploratory Area

CHACRA

11. County or Parish, State

SAN JUAN, N.M.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Amoco Production Company

3. Address and Telephone No.

200 Amoco Court, Farmington, N.M. 87401 Tel: (505) 326-9200

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE - NE S - 26 - T29N R10W NM PM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Pit closure
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pit closure verification - see attached documentation.

① BLOW PIT - ABANDONED, GROUNDWATER, PERMANENT CLOSURE UNDER Amoco's GW PLAN (SEC. 1.2)

14. I hereby certify that the foregoing is true and correct

Signed B. Shaw

Title Enviro. Coordinator

Date 4/29/94

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special in-

structions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

SPECIFIC INSTRUCTIONS

Item 4—If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13—Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive

zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE — The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES:

- (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.
- (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2).
- (3) Analyze future applications to drill or modify operations in light of data obtained and methods used.
- (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION — Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that: This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

Date Remediation Started: _____ Date Completed: 12/30/94

Remediation Method: Excavation Approx. cubic yards 300
(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: _____
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) MULTIPLE SAMPLES

Sample depth 6' + 10'

Sample date 12-28-94 Sample time _____

Sample Results

Benzene(ppm) ND @ 6'

Total BTEX(ppm) 0.0794 @ 6'

Field headspace(ppm) 68 @ 10'

TPH 40 ppm @ 10'

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 12/30/94

SIGNATURE B. Shaw

PRINTED NAME AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413
Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

| | | | |
|--------------------|-------------|----------------|----------|
| Client: | Amoco | Project #: | |
| Sample ID: | 5 @ 10' | Date Analyzed: | 12-29-94 |
| Project Location: | Baca GC A 1 | Date Reported: | 12-29-94 |
| Laboratory Number: | TPH-1338 | Sample Matrix: | Soil |

| Parameter | Result, mg/kg | Detection Limit, mg/kg |
|--|---------------|------------------------|
| Total Recoverable Petroleum Hydrocarbons | 40 | 20 |

ND = Not Detectable at stated detection limits.

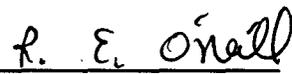
| QA/QC: | QA/QC Sample TPH mg/kg | Duplicate TPH mg/kg | % *Diff. |
|--------|------------------------|---------------------|----------|
| | 3560 | 3040 | 15.76 |

*Administrative Acceptance limits set at 30%.

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

Comments: Dehydrator Pit - B0199


Analyst


Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

| | | | |
|--------------------|-------------|----------------|----------|
| Client: | Amoco | Project #: | |
| Sample ID: | 1 @ 6' | Date Analyzed: | 12-29-94 |
| Project Location: | Baca GC A 1 | Date Reported: | 12-29-94 |
| Laboratory Number: | TPH-1339 | Sample Matrix: | Soil |

| Parameter | Result, mg/kg | Detection Limit, mg/kg |
|--|---------------|------------------------|
| Total Recoverable Petroleum Hydrocarbons | 52 | 20 |

ND = Not Detectable at stated detection limits.

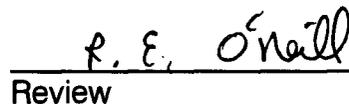
| QA/QC: | QA/QC Sample TPH mg/kg | Duplicate TPH mg/kg | % *Diff. |
|--------|---------------------------|------------------------|-------------|
| | 3560 | 3040 | 15.76 |

*Administrative Acceptance limits set at 30%.

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

Comments: Dehydrator Pit - B0199


Analyst


Review

OFF: (505) 325-8786



LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn: *Nelson Velez*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfield, NM 87413*

Date: *12/30/94*
Lab ID: *2519*
Sample ID: *4554*
Job No. *2-1000*

Project Name: *BACA GC A 1*
Project Location: *1 @ 6' - Dehy Pit*
Sampled by: *NV* Date: *12/28/94*
Analyzed by: *DLA* Date: *12/30/94*
Sample Matrix: *Soil*

Time: *13:40*

Aromatic Volatile Organics

| Component | Measured Concentration ug/kg | Detection Limit Concentration ug/kg |
|---------------------|-------------------------------------|--|
| <i>Benzene</i> | <i>ND</i> | <i>0.2</i> |
| <i>Toluene</i> | <i>ND</i> | <i>0.2</i> |
| <i>Ethylbenzene</i> | <i>ND</i> | <i>0.2</i> |
| <i>m,p-Xylene</i> | <i>79.4</i> | <i>0.2</i> |
| <i>o-Xylene</i> | <i>ND</i> | <i>0.2</i> |
| | TOTAL <i>79.4 ug/kg</i> | |

ND - Not Detectable

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

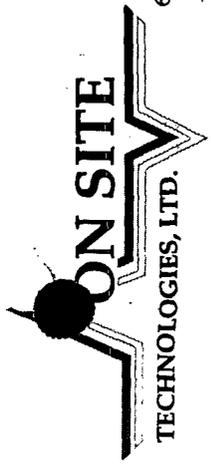
Approved by: *DLA*
Date: *12/30/94*

P. O. BOX 2606 • FARMINGTON, NM 87499

TECHNOLOGY SERVING THE BUILDING INDUSTRY SINCE 1978

CHAIN OF CUSTODY RECORD

80199



657 W. Maple • P. O. Box 2606 • Farmington NM 87499
 LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 12/28/94

| | | | | | | | |
|---|--|--|--|---------------------------|--|---------------------------|--|
| Purchase Order No.: | | Job No.: | | Name: NELSON VELEZ | | Title: PG | |
| SEND INVOICE TO | | Company: SAME | | Mailing Address: SAME | | | |
| Address: P.O. BOX 87 | | City, State, Zip: BLOOMFIELD, NM 87413 | | City, State, Zip: SAME | | | |
| City, State, Zip: BLOOMFIELD, NM 87413 | | Telephone No.: 632-1199 | | Telephone No.: | | Telefax No.: | |
| Sampling Location: BACA GC A1 | | | | ANALYSIS REQUESTED | | | |
| Sampler: Nelson Velez | | | | RESULTS TO | | | |
| SAMPLE IDENTIFICATION | | | | Number of Containers | | | |
| DATE | | SAMPLE TIME | | MATRIX | | PRES. | |
| 12/28/94 1340 | | SOIL | | | | | |
| 10E61 - DEHY PIT | | | | 1 | | | |
| BTEX (802) | | | | | | | |
| LAB ID | | | | 4554-257 | | | |
| Relinquished by: Nelson Velez | | Date/Time: 12/29/94 1438 | | Received by: Nelson Velez | | Date/Time: 12/29/94 14:58 | |
| Relinquished by: | | Date/Time: | | Received by: | | Date/Time: | |
| Relinquished by: | | Date/Time: | | Received by: | | Date/Time: | |
| Method of Shipment: | | Rush | | 24-48 Hours | | 10 Working Days | |
| Authorized by: | | Date: | | Special Instructions: | | | |
| (Client Signature Must Accompany Request) | | | | | | | |

| | | |
|----------------------|--|--|
| CLIENT: <u>Amoco</u> | BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | LOCATION NO: <u>80199</u> C.D.C. NO: <u>-</u> |
|----------------------|--|--|

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

| | |
|--|-------------------------------------|
| LOCATION: NAME: <u>BACA GC</u> WELL #: <u>A1</u> PITS: <u>BLOW, DEHY, DEHY</u> | DATE STARTED: <u>5/28/96</u> |
| QUAD/UNIT: <u>H</u> SEC: <u>26</u> TWP: <u>29N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> | DATE FINISHED: _____ |
| QTR/FOOTAGE: <u>SE1/4 NE1/4</u> CONTRACTOR: <u>P. VELASQUEZ</u> | ENVIRONMENTAL SPECIALIST: <u>NV</u> |

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARMED APPROX. CUBIC YARDAGE: 1520 BACA 1200 McDANIEL 2720

LAND USE: AGRICULTURAL RANGE LIFT DEPTH (ft): 0.5-2.5'

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: 550' NEAREST WATER SOURCE: < 1000' NEAREST SURFACE WATER: < 1000'

NMDCD RANKING SCORE: 50 NMDCD TPH CLOSURE STD: 100 PPM

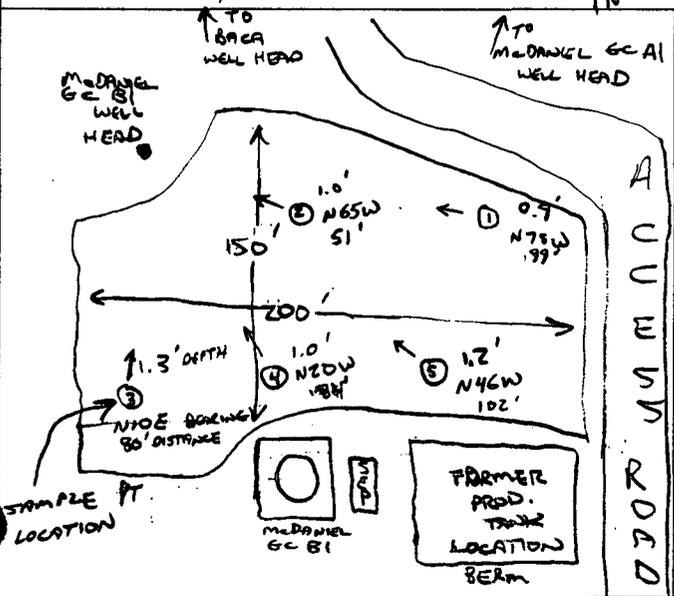
McDANIEL GC A1-DEHY PIT SOILS COMBINED w/ BACA GC A1 - BLOW + DEHY PITS (SAME WELL PAD). COLLECTED 5 PT. COMPOSITE SAMPLE (SEE SKETCH BELOW). SLIGHT HC OOR IN OVM SAMPLE. SAMPLE PT. ① CONSTRAINED CLAYEY SOIL, MED. GRAY DISCOLORATION, HC OOR.

CLOSED

FIELD 418.1 CALCULATIONS

| SAMP. TIME | SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm |
|------------|-------------|----------|------------|-----------|----------|---------|-----------|
| 1010 | LF-1 | TPH-1728 | 5 | 20 | 1:1 | 21 | 84 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

SKETCH/SAMPLE LOCATIONS

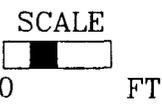


OVM RESULTS

| SAMPLE ID | FIELD HEADSPACE PID (ppm) |
|-----------|---------------------------|
| LF-1 | 37.7 |
| | |
| | |
| | |
| | |

LAB SAMPLES

| SAMPLE ID | ANALYSIS | TIME | RESULTS |
|-----------|----------|------|---------|
| | | | |
| | | | |
| | | | |
| | | | |



TRAVEL NOTES: CALLOUT: - ONSITE: 5/28/96

26
78
-8
54

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

| | | | |
|--------------------|------------|----------------|----------|
| Client: | AMOCO | Project #: | |
| Sample ID: | LF - 1 | Date Analyzed: | 05-28-96 |
| Project Location: | Baca GC A1 | Date Reported: | 05-28-96 |
| Laboratory Number: | TPH-1728 | Sample Matrix: | Soil |

| Parameter | Result, mg/kg | Detection Limit, mg/kg |
|--|---------------|------------------------|
| Total Recoverable Petroleum Hydrocarbons | 84 | 20 |

ND = Not Detectable at stated detection limits.

| QA/QC: | QA/QC Sample TPH mg/kg | Duplicate TPH mg/kg | % *Diff. |
|--------|------------------------|---------------------|----------|
| | 724 | 568 | 24.15 |

*Administrative Acceptance limits set at 30%.

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

Comments: Landfarm (5 pt. composite sample) - B0199

Nelson Velazquez
Analyst

R. E. O'Neill
Review

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Amoco Production Company

3. Address and Telephone No.

200 Amoco Court, Farmington, N.M. 87401 Tel: (505) 326-9200

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE/4 NE/4, SEC. 26, T29N, R10W, NMPM

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or (CA) Agreement Designation

NM015P3586C

8. Well Name and No.

BACA GC A1

9. API Well No.

3004526110

10. Field and Pool, or Exploratory Area

MESA VERDE/CHARA

11. County or Parish, State

SAN JUAN, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Pit closure
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pit closure verification - see attached documentation.

DEHYDRATOR PLT - STEEL TANK INSTALLED

14. I hereby certify that the foregoing is true and correct

Signed B. Shaw Title Enviro. Coordinator Date 12/30/99

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any: