

3R - 133

**GENERAL
CORRESPONDENCE**

YEAR(S):

1999

BLAGG ENGINEERING, INC.

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

February 17, 1999

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

RECEIVED

FEB 19 1999

**ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION**

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

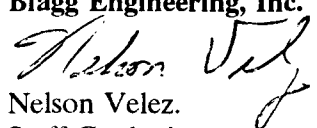
Dear Mr. Olson:

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 Brazos 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

C4235
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

RECEIVED

APPROVED

FEB 19 1999

PIT REMEDIATION AND CLOSURE REPORT

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: TRUSTED GC A #1
Well Name
Location: Unit or Qtr/Qtr Sec C Sec 28 T 29N R 10W County SAN JUAN
Pit Type: Separator Dehydrator Other Blow
Land Type: BLM , State , Fee X, Other

Pit Location: Pit dimensions: length 70', width 85', depth 4'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 75'
Direction from reference: 20 Degrees X East North X
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) 0
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): 30

C425 Blow PIT

Date Remediation Started: _____ Date Completed: 9/21/93

Remediation Method: Excavation ☒ Approx. cubic yards _____
(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 . GROUNDWATER ENCOUNTERED.

Ground Water Encountered: No _____ Yes ☒ Depth 3'

Final Pit: Sample location see Attached Documents

Closure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth 3'
Sample date 9/16/93 Sample time 1100

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 9/21/93

SIGNATURE

Buddy D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

ENVIROTECH Inc

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

FIELD REPORT: CLOSURE VERIFICATION

JOB No. 92140

PAGE 110 of 1

LOCATION: LEASE TRUJILLO GAS COM "A" WELL No.1 QD NE 1/4 NW 1/4 (C)
SEC. 28 TWP. 29N. RNG. 30W. BM: NMPM CNTY: ST ST NW PIT. BLOW
CONTRACTOR: PAUL VEDERZ
EQUIPMENT USED: TAPER-ROD

DATE STARTED: 9-10-52

DATE FINISHED: 9-16-92

ENVIRONMENTAL SPECIALIST *Rm*

SOIL REMEDIATION: QUANTITY: 70' x 85' x 4' deep

DISPOSAL FACILITY: 00-2210

LAND USE: PRIVATE LEASE - UNDEVELOPED

SURFACE CONDITIONS: GROUNDWATER 2.1 FEET 100 APPARENTLY VISIBLE CONTAMINATION

FIELD NOTES & REMARKS: PIT^{SOUTHWEST CORNER} LOCATED APPROXIMATELY 25 YARDS N 23° E FROM WELLHEAD.

DEPTH TO GROUNDWATER: 3'

NO APPARENT CONTAMINATION ON GROUNDWATER OR SIDEWALLS.

NEAREST WATER SOURCE: 7/002

LAB SAMPLE PET INATOR TAKEN FOR BTBY ANALYSIS.

FIELD 418.1 CALCULATIONS

SAMPLE ID.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC	ppm

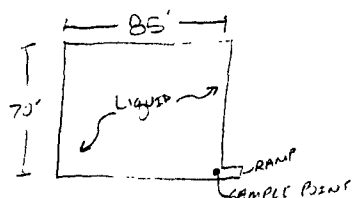
SCALE



C

FEET

PIT PERIMETER



OVM RESULTS

[illegible]

PIT PROFILE

புதுச்சேரி: சிவசுந்தரி

0'-4' sm/m moderate yellowish
brown silty sand with
minor cobbles and gravel
LOOSE, NON-COH. W/IT.

TRAVEL NOTES CALLOUT:

ON SITE



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:	Pit Water	Date Reported:	09-21-93
Laboratory Number:	6112	Date Sampled:	09-16-93
Sample Matrix:	Water	Date Received:	09-16-93
Preservative:	HgCl & Cool	Date Analyzed:	09-20-93
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	0.4	0.2
Toluene	ND	0.5
Ethylbenzene	0.3	0.2
p,m-Xylene	1.6	0.4
o-Xylene	1.0	0.3

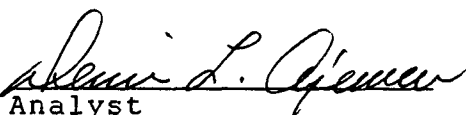
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	98 %
	Bromofluorobenzene	95 %

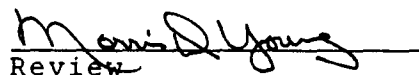
Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: Trujillo Gas Com "A" No. 1 Blow Pit C4235


Analyst


Review

CHAIN OF CUSTODY RECORD

[illegible]

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80206</u> C.O.C. NO: _____
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>TRUJILLO GC</u> WELL #: <u>A1</u> PITS: _____	DATE STARTED: <u>1/16/95</u> DATE FINISHED: _____
QUAD/UNIT: <u>C</u> SEC: <u>28</u> TWP: <u>29N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>NE/4 NW/4</u> CONTRACTOR: <u>MOSS</u>	

SOIL REMEDIATION:

REMEDICATION SYSTEM: COMPOST APPROX. CUBIC YARDAGE: 881
LAND USE: RANGE LEASE: _____

FIELD NOTES & REMARKS:

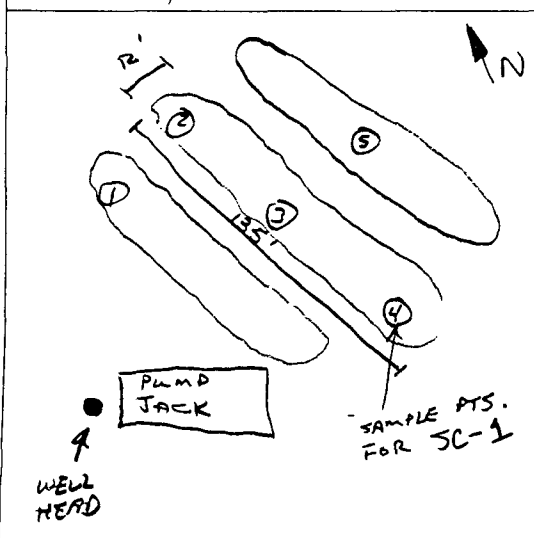
DEPTH TO GROUNDWATER: 550' NEAREST WATER SOURCE: <1000' NEAREST SURFACE WATER: <1000'
NMOCB RANKING SCORE: 50 NMOCB TPH CLOSURE STD: 100 PPM
SOIL TAKEN TO VALENCIA GC BIM - SEP PIT.
MOSTLY OK. YELL. BROWN SAND w/ ASSORTED GRAVEL, NO APPARENT
HC ODOR IN OVM COMPOSITE SAMPLE. AERATION DURING
TRANSPORT + COMPOST MATERIAL BACKGROUND PRIOR TO TESTING
SHOULD BE SUFFICIENT FOR SOIL TO BE USED AT SITE LISTED
ABOVE.

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
SC-1	TPH-1352	5	20	1:1	34	136

915

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
SC-1	0.7

LAB SAMPLES

SAMPLE ID	ANALYSIS

TRAVEL NOTES: CALLOUT: 1/13/95 ONSITE: 1/16/95

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
Sample ID: SC - 1
Project Location: Trujillo GC A 1
Laboratory Number: TPH-1352

Project #:
Date Analyzed: 01-16-95
Date Reported: 01-16-95
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	140	20

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	512	472	8.13

*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: Stockpiles Composted - B0206

Analyst

Review

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

C4235

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)

NE/4 NW/4, SEC. 28, T 29 N, R 10 W, N.M.P.M.
800' FWL / 1790' FWL

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

TRUJILLO GC A #1

9. API Well No.

3004525619

10. Field and Pool, or Exploratory Area

MESAVERDE

11. County or Parish, State

SAN JUAN, N.M.

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.

① Blow PIT - ABANDONED, GROUNDWATER ENCOUNTERED, CLOSED 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

7/26/98

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date