

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

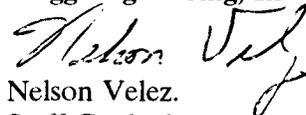
Dear Mr. Olson:

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 Grande Rd, Artesia, 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

C4235

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 , Other

Pit Location: Pit dimensions: length 70', width 85', depth 4'
(Attach diagram)

Reference: wellhead , other

Footage from reference: 75'

Direction from reference: 20 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)	<u>20</u>
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)	<u>0</u>
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)	<u>10</u>
RANKING SCORE (TOTAL POINTS):			<u>30</u>

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

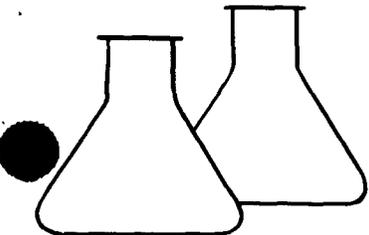
Sample Results
Benzene (ppm) _____
Total BTEX (ppm) _____
Field headspace (ppm) _____
TPH _____

Ground Water Sample: Yes No _____ (If yes, attach sample results)

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

DATE 9/21/93
SIGNATURE B.D. 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:	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

Kevin L. Jensen
Analyst

Mavis D. Young
Review

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:

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

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: 50' NEAREST WATER SOURCE: <1000' NEAREST SURFACE WATER: <1000'
 NMOCD RANKING SCORE: 50 NMOCD TPH CLOSURE STD: 100 PPM

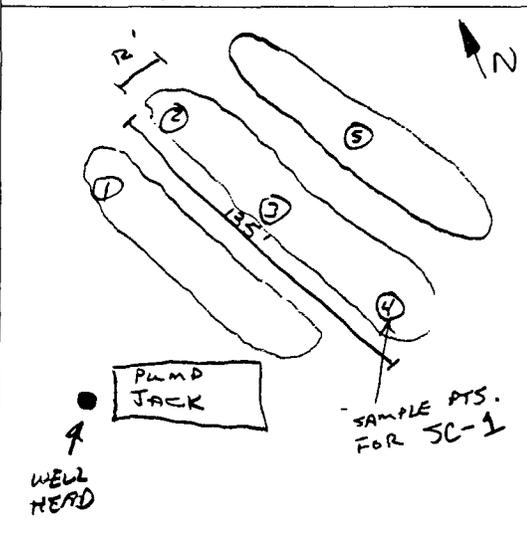
SOIL TAKEN TO VALENCIA GC BIM - SEP PIT.
 MOSTLY OK. YELL. BROWN SAND w/ ASSORTED GRAVEL, NO APPARENT
 HC OOR IN OVM COMPOSITE SAMPLE. AERATION DURING
 TRANSPORT + COMPOST MATERIAL BACKGROUND PRIOR TO TESTING
 SHOULD BE SUFFICIENT FOR SOIL TO BE USED AT SITE LISTED
 ABOVE.

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

91V

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	Project #:	
Sample ID:	SC - 1	Date Analyzed:	01-16-95
Project Location:	Trujillo GC A 1	Date Reported:	01-16-95
Laboratory Number:	TPH-1352	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

William Villy
Analyst

R. E. O'Neill
Review

C4235

Form 3160-5
(June 1990)

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)

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	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Pit closure	<input type="checkbox"/> 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

Title

Date

Conditions of approval, if any:

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