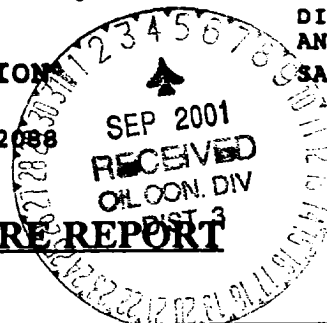


District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

Previously identified
as separator pit
State of New Mexico 12/14/01
Energy, Minerals and Natural Resources Department

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

80145
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE



PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: STATE GC BO #1
Well Name
Location: Unit or Qtr/Qtr sec A sec 16 T 29N R 9W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM , State X, Fee , Other

Pit Location: Pit dimensions: length 30', width 20', depth 14'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 220
Direction from reference: 90 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) 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: 11-2-94

Remediation Method: Excavation X Approx. cubic yards 300
 (Check all appropriate sections) Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____
 (ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation, BEDROCK BOTTOM. nv

DMOD letter correspondence

12-4-96

Ground Water Encountered: No X 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 9'

Sample date 11-2-94 Sample time _____

Sample Results

Benzene(ppm) 0.0067

Total BTEX(ppm) 1.986

Field headspace(ppm) 746

TPH 770 ppm

Ground Water Sample: Yes _____ No X (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 11/4/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL Coordinator

RESULTS TO Bob McLoY 11-4-94 RLo

CLIENT: <u>AWOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B0145</u> C.D.C. NO: <u>2246</u>
----------------------	--	---

FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>SMO GC 80</u>	WELL #: <u>1</u>	PIT: <u>BLOW</u>	DATE STARTED: <u>11-2-94</u>
QUAD/UNIT: <u>A</u>	SEC: <u>16</u>	TWP: <u>29N</u>	DATE FINISHED: _____
RNG: <u>9W</u>	BM: <u>NM</u>	CNTY: <u>ST NM</u>	ENVIRONMENTAL SPECIALIST: <u>PEO</u>
QTR/FOOTAGE: <u>NE/NE</u>	CONTRACTOR: <u>PAUL + SONS</u>		

EXCAVATION APPROX. 20 FT. x 30 FT. x 14 FT. DEEP. CUBIC YARDS: 300
DISPOSAL FACILITY: ON SITE REMEDIATION METHOD: LANDFILL
LAND USE: RANGE LEASE: - FORMATION:

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>220</u> FEET <u>WEST</u> FROM WELLHEAD.		
DEPTH TO GROUNDWATER: <u>>100'</u>	NEAREST WATER SOURCE: <u>>1000'</u>	NEAREST SURFACE WATER: <u>>1000'</u>	
NMOC D RANKING SCORE: <u>0</u>	NMOC D TPH CLOSURE STD: <u>5000</u> PPM		

SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED

ALSO SERVED AS BLOW PIT FOR ABANDONED LOCATION: STATE GC A1.

0-8': BROWN SILTY SAND, - MOIST

8-14': GRAY SILTY CLAY - MOIST → DRY - FIRM - FRAGILE.

14' - BOTTOM: MOIST BROWN, SILT STONE - HARD.

BECK ROCK
BOTTOM

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
WSEQ'	1245	10.0	20.0	-	385	770

CLOSE PIT

SCALE



0 5 14 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE

[illegible]

TRAVEL NOTES: CALLOUT: 11-1-94 ONSITE: 11-2-94 1050

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: W Side @ 9'
Project Location: State Gas Com BO 1
Laboratory Number: TPH-1245

Project #:
Date Analyzed: 11-02-94
Date Reported: 11-02-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	770	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	3,400	2,920	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: Blow Pit - B0145

R. E. Ornel
Analyst

Nicholas V. Kelly
Review

OFF: (505) 325-8786



LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn: **R. E. O'Neill**
Company: **Blagg Engineering**
Address: **P.O. Box 87**
City, State: **Bloomfield, NM 87413**

Date: **11/3/94**
Lab ID: **2246**
Sample ID: **3826**
Job No. **2-1000**

Project Name: **State GC BO #1**
Project Location: **W. Side @ 9' - Blow Pit**
Sampled by: **REO** Date: **11/2/94**
Analyzed by: **DLA** Date: **11/3/94**
Sample Matrix: **Soil**

Time: **11:45**

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
Benzene	6.7	0.2
Toluene	291	0.2
Ethylbenzene	181	0.2
m,p-Xylene	1,131	0.2
o-Xylene	386	0.2
	TOTAL 1,996 ug/kg	

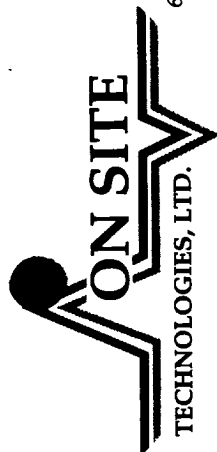
ND - Not Detectable

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

Approved by: 
Date: **11/3/94**

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



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

[illegible]

Distribution:	White - On Site	Yellow - LAB	Pink - Sampler	Goldenrod - Client
---------------	-----------------	--------------	----------------	--------------------

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80145C.D.C. NO: 5669

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: STATE GC 80 WELL #: 1 PITS: BLOW
QUAD/UNIT: A SEC: 16 TWP: 29N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: NE 1/4 NE 1/4 CONTRACTOR: P & SDATE STARTED: 1/21/98

DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARMEDAPPROX. CUBIC YARDAGE: 300LAND USE: RANGELIFT DEPTH (ft): 6" - 24"

FIELD NOTES & REMARKS:

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 SPREAD OUT AS SHOWN BELOW IN 24" MOUNDS. SOIL CONSIST OF
MOSTLY PALE ORANGE TO LT. GRAY SAND, NON COHESIVE, SLIGHTLY MOIST FIRM,
LARGE FRAGMENTS OF SANDSTONE W/IN LANDFARM PERIMETER, NO APPARENT HC
ODOR OBSERVED W/IN OVM SAMPLE.

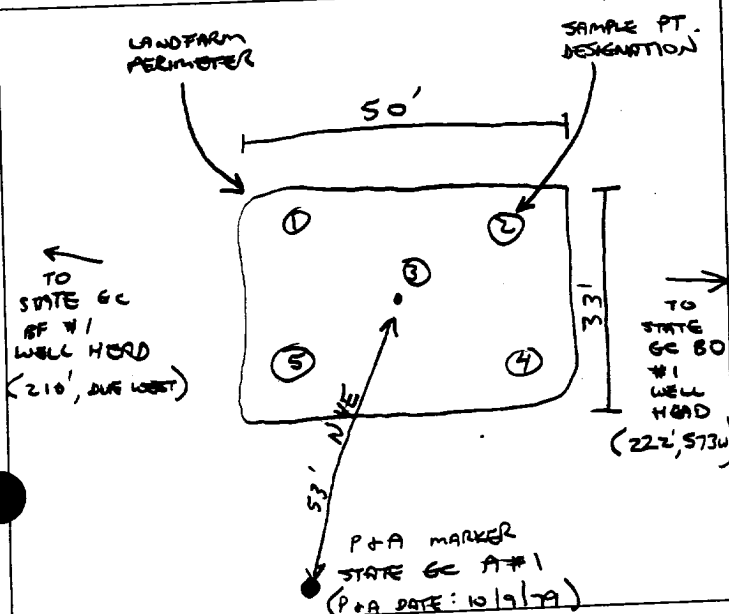
CLOSED

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS

↑ N



OVM RESULTS

LAB SAMPLES

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

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	TPH (8015)	1145	ND

SCALE



0 FT

TRAVEL NOTES:

CALLOUT: 1/21/98 - MORN.ONSITE: 1/21/98 - MORN.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

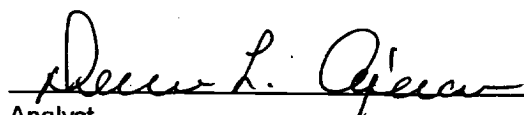
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	01-22-98
Laboratory Number:	C820	Date Sampled:	01-21-98
Chain of Custody No:	5669	Date Received:	01-21-98
Sample Matrix:	Soil	Date Extracted:	01-21-98
Preservative:	Cool	Date Analyzed:	01-22-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (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: State GC BO #1 Landfarm. 5 Pt. Composite.


Analyst


Review

[illegible]

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615