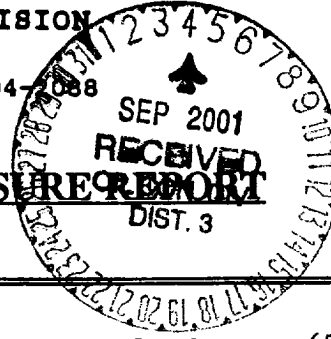


District I  
P.O. Box 1980, Hobbs, NM  
District II  
P.O. Drawer DD, Artesia, NM 88211  
District III  
1000 Rio Brazos Rd, Aztec, NM 87410

Compressor -  
12/11/01  
Sep - OK  
State of New Mexico  
Energy, Minerals and Natural Resources Department  
OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

80124  
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: ELLIOTT, ANNIE L. B # 2  
Well Name  
Location: Unit or Qtr/Qtr Sec M Sec 10 T 29 N R 9 W County SAN JUAN  
Pit Type: Separator    Dehydrator    Other COMPRESSOR  
Land Type: BLM X, State   , Fee   , Other   

Pit Location: Pit dimensions: length 10', width 10', depth 8'  
(Attach diagram) Reference: wellhead X, other     
Footage from reference: 80  
Direction from reference: 40 Degrees    East North     
of  
X West South X

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) 10  
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) 0  
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: \_\_\_\_\_ Date Completed: 10-18-94

Remediation Method: Excavation X Approx. cubic yards 20  
(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

nmocd letter correspondence 12-5-94Ground Water Encountered: No X 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 10-18-94 Sample time \_\_\_\_\_

## Sample Results

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

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

Field headspace(ppm) 0TPH NDGround 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 10/19/94

SIGNATURE

B. ShawPRINTED NAME  
AND TITLEBuddy D. Shaw  
Environmental Coordinator

RESULTS TO BOB MICOY 10-18-94 AEO

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80129</u> C.O.C. NO: _____
----------------------	--	---

## FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>ANNIE L ELLIOTT</u> <u>B</u> WELL #: <u>2</u> PIT: <u>ABW. COMP.</u>	DATE STARTED: <u>10-18-94</u>
QUAD/UNIT: <u>M</u> SEC: <u>10</u> TWP: <u>29N</u> RNG: <u>9W</u> BM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>SW/SW</u> CONTRACTOR: <u>PAUL + SONS</u>	ENVIRONMENTAL SPECIALIST: _____

EXCAVATION APPROX. 10 FT. x 10 FT. x 8 FT. DEEP. CUBIC YARDS: 20  
DISPOSAL FACILITY: ON SITE REMEDIATION METHOD: LANDFARM  
LAND USE: RANGE LEASE: FED. USE# SF-078132 FORMATION: \_\_\_\_\_

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>80</u> FEET <u>S40°W</u> FROM WELLHEAD		
DEPTH TO GROUNDWATER: <u>&gt;50'</u>	NEAREST WATER SOURCE: <u>&gt;1000'</u>	NEAREST SURFACE WATER: <u>&gt;1000'</u>	
NMOCID RANKING SCORE: <u>10</u>	NMOCID TPH CLOSURE STD: <u>1000</u> PPM		

SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED

MOIST, BROWN, SAND → SILTY SAND - NO ODOR / STAIN.  
COARSE BOTTOM SAND.

CLOSE PIT

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
CB@9'	1197	10.0	20.0	—	1	ND

SCALE



0 5 10 FT

## PIT PERIMETER

## OVM RESULTS

PIT PROFILE

[illegible]

TRAVEL NOTES:      CALLOUT:      ONSITE: 10-18-94      1240

**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: C Bottom @ 9'  
Project Location: Elliott Annie L. B 2  
Laboratory Number: TPH-1197

Project #:   
Date Analyzed: 10-18-94  
Date Reported: 10-18-94  
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	<b>ND</b>	<b>10</b>

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	1,024	1,044	2

\*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: Abandoned Compressor Pit - B0124

R. E. O'Neal  
Analyst

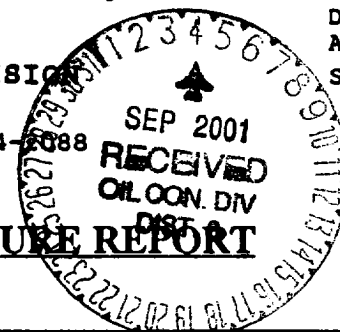
Nelson Vely  
Review

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

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**

Operator: Amoco Production Company Telephone: (505) - 326-9200  
Address: 200 Amoco Court, Farmington, New Mexico 87401  
Facility Or: ELLLOTT, ANNIE L. B # 2  
Well Name  
Location: Unit or Qtr/Qtr Sec M Sec 10 T 29N R 9W County SAN JUAN  
Pit Type: Separator X Dehydrator    Other     
Land Type: BLM X, State   , Fee   , Other   

Pit Location: Pit dimensions: length 20', width 20', depth 12'  
(Attach diagram) Reference: wellhead X, other     
Footage from reference: 100  
Direction from reference: 40 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) 10

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): 10

Date Remediation Started: \_\_\_\_\_ Date Completed: 10-18-94

Remediation Method: Excavation X Approx. cubic yards 150  
 (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

nmod letter correspondence 12-5-96  
 Ground Water Encountered: No X 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 13'

Sample date 10-18-94 Sample time \_\_\_\_\_

#### Sample Results

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

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

Field headspace(ppm) 0

TPH ND

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 10/19/94

SIGNATURE

B. Shaw

PRINTED NAME  
AND TITLE

Buddy D. Shaw  
Environmental Coordinator

CLIENT: AMO CO

BLAGG ENGINEERING, INC.  
P.O. BOX 87, BLOOMFIELD, NM 87413  
(505) 632-1199

LOCATION NO: B0124

C.D.C. NO:

## FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: ANNIE L. ELLIOTT B WELL #: 2 PIT: SEP.

DATE STARTED: 10-18-94

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

QUAD/UNIT: M SEC: 10 TWP: 29 N RNG: 9 W BM: Nm CNTY: SJ ST: NM

ENVIRONMENTAL SPECIALIST: R Eo

QTR/FOOTAGE: SW/SW CONTRACTOR: PAUL + SONS

EXCAVATION APPROX. 20 FT. x 20 FT. x 12 FT. DEEP. CUBIC YARDS: 150

CUBIC YARDS: 150

DISPOSAL FACILITY: ON SITE REMEDIATION METHOD: LANDFARM

REMEDIATION METHOD: LAND FARM

LAND USE: RANGE LEASE: FED. USE # SF-078132 FORMATION: \_\_\_\_\_

LEASE: FED. LE # SF-078132

FORMATION: \_\_\_\_\_

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 100 FEET N 40° W FROM WELLHEAD.

PIT LOCATED APPROXIMATELY 100 FEET N 40° W FROM WELLHEAD.

DEPTH TO GROUNDWATER: 750' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NEAREST SURFACE WATER: >1000'

NMCD RANKING SCORE: 10 NMCD TPH CLOSURE STD: 1000 PPM

NMOC D TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED

PIT DISPOSITION: ABANDONED

MOIST, BROWN, SAND → COARSE SAND - NO ODOOR/STAIN.

CLOSE AIR

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
CAE 13'	1198	10.0	20.0	—	3	ND

--	--	--

0 5 10 FT

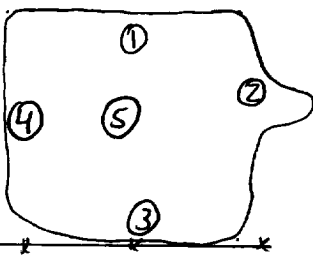
# PIT PERIMETER

## OVM RESULTS

PIT PROFILE

N

TOE OF SLATE

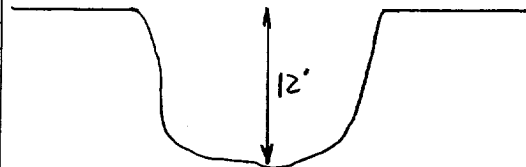


SEP.

↓ SURFACE GRADIENT

TO  
WELL

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 NSE 8'	0
2 ESE 6'	0
3 SSE 8'	0
4 WSE 8'	0
5 CSE 13'	0
LAB	SAMPLES

TRAVEL NOTES:

CALLOUT:

ONSITE: 10-18-94

1320

**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:	C Bottom @ 13'	Date Analyzed:	10-18-94
Project Location:	Elliott Annie L. B 2	Date Reported:	10-18-94
Laboratory Number:	TPH-1198	Sample Matrix:	Soil

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

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	1,024	1,044	2

\*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: Separator Pit - B0124

R. E. O'Neill  
Analyst

Nelson Vely  
Review

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80124</u>  C.D.C. NO: <u>8401</u>
-------------------	---	---

## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>ELLIOTT, A.L. B</u> WELL #: <u>2</u> PITS: <u>BLOW, COMP., SEP.</u> QUAD/UNIT: <u>M</u> SEC: <u>10</u> TWP: <u>29N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>SW/4 SW/4</u> CONTRACTOR: <u>PAUL &amp; SONS</u>	DATE STARTED: <u>5/1/01</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
---	--

### SOIL REMEDIATION:

REMEDIATION SYSTEM: <u>LANDFARM</u>	APPROX. CUBIC YARDAGE: <u>175</u>
LAND USE: <u>RANGE FED. LEASE</u>	LIFT DEPTH (ft): <u>1-1.5</u>

### FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: <1000'  
 NMOCB RANKING SCORE: 20 NMOCB TPH CLOSURE STD: 100 PPM

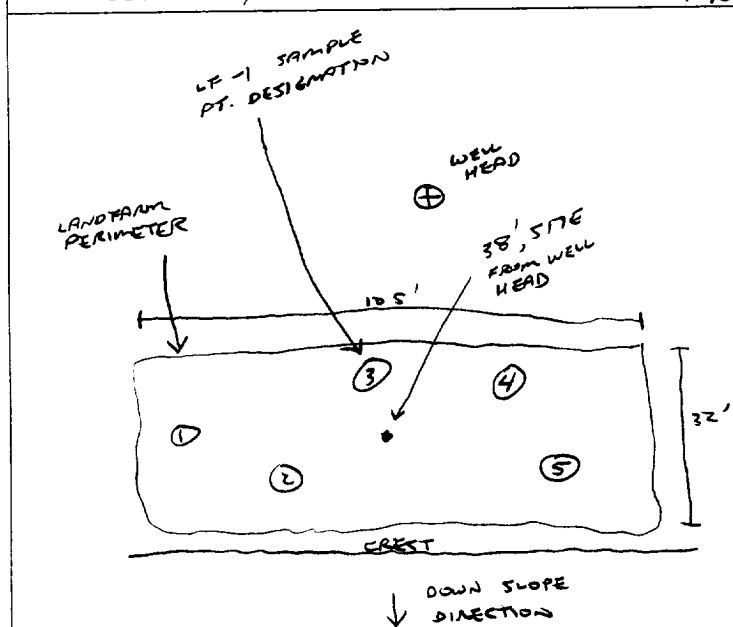
SOIL DR. YELL. ORANGE TO MOD. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM TO LOOSE NO APPARENT HC OR DR DETECTED @ ANY OF THE SAMPLE PTS., SAMPLING DEPTHS RANGE FROM 1.0' - 1.5', COLLECTED 5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

CLOSED

### FIELD 418.1 CALCULATIONS

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

### SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. 52.8 ppm  
 TIME: 0830 am 5/1/01

### OVM RESULTS

### LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	2.2	LF-1	TPH (8015)	1300	ND

### SCALE



0 FT

TRAVEL NOTES: CALLOUT: N/A ONSITE: 4/30/01 & 5/1/01

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

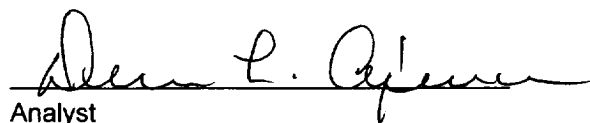
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	05-03-01
Laboratory Number:	19810	Date Sampled:	05-01-01
Chain of Custody No:	8401	Date Received:	05-01-01
Sample Matrix:	Soil	Date Extracted:	05-03-01
Preservative:	Cool	Date Analyzed:	05-03-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

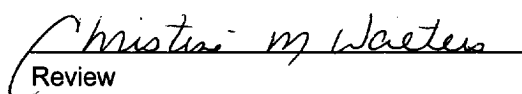
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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: Elliott, A. L. Lease Landfarms. B #2.

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

08401

Client / Project Name		Project Location		ANALYSIS / PARAMETERS									
BLAGE / BP		LANDFILLS											
Sampler: NJV		Client No. 94034-010											
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)							Remarks
LF-1 D-9	5/1/01	0850	19805	SOIL	1	✓							ALL SAMPLES PRESERVED COOL
LF-1 B-1	5/1/01	0930	19806	SOIL	1	✓							ELLIOTT, A.L. D #9
LF-1 B-6	5/1/01	1005	19807	SOIL	1	✓							ELLIOTT, A.L. B #1
LF-1 B-1A	5/1/01	1115	19808	SOIL	1	✓							ELLIOTT, A.L. B #6
LF-1 B-7	5/1/01	1200	19809	SOIL	1	✓							ELLIOTT, A.L. B #1A
LF-1 B-2	5/1/01	1300	19810	SOIL	1	✓							ELLIOTT, A.L. B #7
													ELLIOTT, A.L. B #2
													ALL SAMPLES -
													5 PT. COMPOSITE
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time			
[Signature]		5/1/01		1438		[Signature]		5-1-01		14:35			
Relinquished by: (Signature)						Received by: (Signature)							
Relinquished by: (Signature)						Received by: (Signature)							
<b>ENVIROTECH INC.</b> 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt			
										Y	N	N/A	
										Received Intact			✓
										Cool - Ice/Blue Ice			✓