Blow (I) approved 12/12/01

80122

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

Blow II approved 12/5/96

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

SEP 2001 RECEIVED OIL CON. DIV DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company **Telephone:** (505) -326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Well Name A.L. ELLIOTT B7

Location: Unit or Qtr/Qtr Sec L Sec 10 T 29N R 9W County SAN JUAN

Pit Type: Separator ___ Dehydrator ___ Other BLOW (I)

Land Type: BLM X, State ___, Fee ___, Other ___

Pit Location: (Attach diagram)

Pit dimensions: length 18', width 16', depth 13'

Reference: wellhead X, other ___

Footage from reference: 65'

Direction from reference: 55 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

B0122

Date Remediation Started: _____ **Date Completed:** 10/13/94

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards 95

Landfarmed X Insitu Bioremediation ___

Other _____

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

General Description Of Remedial Action: _____

Excavation

NMOCD letter correspondence 12-5-96

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 13'

Sample date 10/13/94 Sample time 1335

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 22.4

TPH 28 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 10/13/94

SIGNATURE B J Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

CLIENT: AMOCO

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

LOCATION NO: 80122
C.O.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: A.L. ELLIOTT WELL #: 8 7 PIT: BLOW I
QUAD/UNIT: L SEC: 10 TWP: 29N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: NW/4 SW/4 CONTRACTOR: P. VELASQUEZ

DATE STARTED: 10/13/94
DATE FINISHED: _____
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 18 FT. x 16 FT. x 13 FT. DEEP. CUBIC YARDAGE: 95
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED
LAND USE: RANGE LEASE: SF-078132 FORMATION: BPC

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 65 FT. N55W FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

CHECK ONE:
✓ PIT ABANDONED
___ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

DK. YEL. ORANGE SAND, NON-COHESIVE, DRY TO SLIGHTLY MOIST, FIRM, NONE TO SLIGHT HC ODOR.

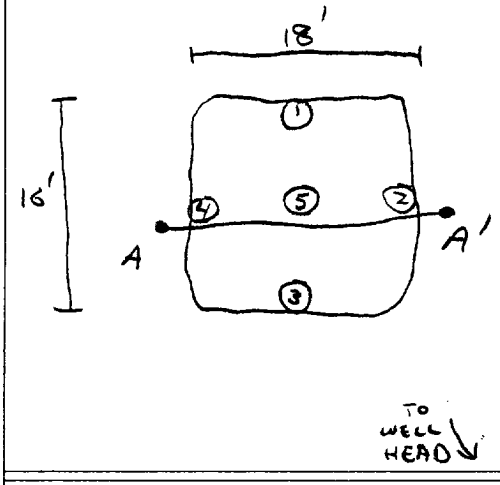
CLOSED

SCALE
0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1335	⑤@13'	TPH-11	5	20	1:1	7	28

PIT PERIMETER



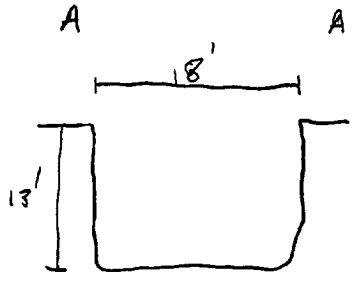
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 9'	15.3
2 @ 9'	0.4
3 @ 9'	14.5
4 @ 9'	19.8
5 @ 13'	22.4

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES: CALLOUT: 10/12/94 ONSITE: 10/13/94

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 @ 13'	Date Analyzed:	10-13-94
Project Location:	A.L. Eliott B 7	Date Reported:	10-13-94
Laboratory Number:	TPH-1192	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	**28**	**20**

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
1584	1372	14.34

*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 (I) Pit - B0122

Analyst

R. E. O'Neill
Review

CLIENT: BP

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

LOCATION NO: B0122
C.O.C. NO: 8401

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: ELLIOTT, A.L. B WELL #: 7 PITS: BLOW I & II
QUAD/UNIT: L SEC: 10 TWP: 29N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: NW1/4 SW1/4 CONTRACTOR: PAUL & SONS

DATE STARTED: 5/1/01
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION:
REMEDIATION SYSTEM: LANDFARM
LAND USE: RANGE FED. LEASE SF-078132
APPROX. CUBIC YARDAGE: 95
LIFT DEPTH (ft): 0.5

FIELD NOTES & REMARKS:
DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

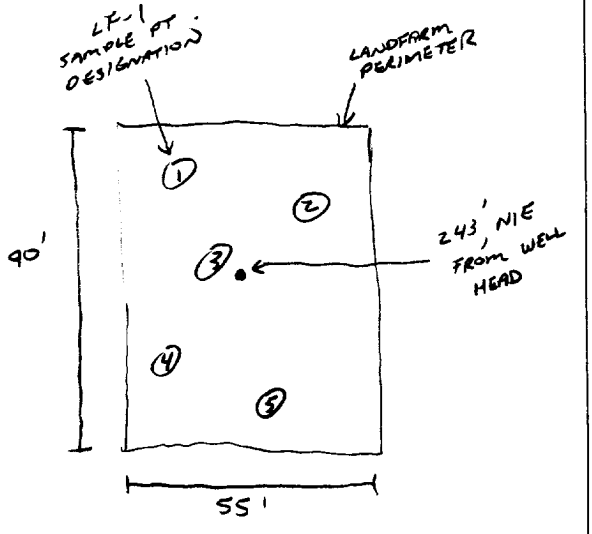
SOIL MOSTLY OK. YELL. ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM TO LOOSE, NO APPARENT HC ODOR DETECTED @ ANY OF THE SAMPLE PTS., SAMPLING DEPTHS RANGE FROM 4"-6", COLLECTED 5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

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) pm 5/1/01

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
LF-1	2.1

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	TPH (8015)	1200	ND

SCALE
0 FT

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

revised: 03/12/01 bei1006.skd

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:	19809	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 #7.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

08401

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
BLAGG / BP	LANDFARMS ELLIOTT, A.L. LEASE	
Sampler: NJV	Client No. 94034-010	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)	Remarks
							ALL SAMPLES PRESERVED COOL
LF-1 D-9	5/1/01	0850	19805	SOIL	1	✓	ELLIOTT, A.L. D #9
LF-1 B-1	5/1/01	0930	19806	SOIL	1	✓	ELLIOTT, A.L. B #1
LF-1 B-6	5/1/01	1005	19807	SOIL	1	✓	ELLIOTT, A.L. B #6
LF-1 B-1A	5/1/01	1115	19808	SOIL	1	✓	ELLIOTT, A.L. B #1A
LF-1 B-7	5/1/01	1200	19809	SOIL	1	✓	ELLIOTT, A.L. B #7
LF-1 B-2	5/1/01	1300	19810	SOIL	1	✓	ELLIOTT, A.L. B #2
							ALL SAMPLES —
							5 PT. COMPOSITE

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Nelson Velez	5/1/01	1438	Christine Walters	5-1-01	14:35
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

B0122

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: Well Name A.L. ELLIOTT B 7

Location: Unit or Qtr/Qtr Sec L Sec 10 T 29N R 9W County SAN JUAN

Pit Type: Separator ___ Dehydrator ___ Other BLOW (II)

Land Type: BLM X, State ___, Fee ___, Other ___

Pit Location: (Attach diagram)
Pit dimensions: length NA, width NA, depth NA
Reference: wellhead X, other ___
Footage from reference: 2101
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

B0122

Date Remediation Started: _____ **Date Completed:** 10/13/94

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards NA

Landfarmed ___ Insitu Bioremediation ___

Other CLOSE AS IS.

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

General Description Of Remedial Action: Excavation – TRENCHED AT AREA. NO REMEDIATION NECESSARY.

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 11'

Sample date 10/13/94 Sample time 1355

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 0.0

TPH 32 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 10/13/94

SIGNATURE B J Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

F 10

CLIENT: AMOCO

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

LOCATION NO: B0122
C.O.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: A.L. ELLIOTT WELL #: 87 PIT: BLOW IT
QUAD/UNIT: L SEC: 10 TWP: 29N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: NW/4 SW/4 CONTRACTOR: P. VELASQUEZ

DATE STARTED: 10/13/94
DATE FINISHED: _____
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: NA
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS IS
LAND USE: RANGE LEASE: SF-078132 FORMATION: BPC

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 210 FT. ONE WEST FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

CHECK ONE:
✓ PIT ABANDONED
___ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

TRENCH CONDUCTED THROUGH PIT AREA. ENTIRE TRENCH APPEARS AS OK. YELL. ORANGE SAND, NON-COHESIVE, DRY TO SLIGHTLY MOIST, FIRM, NO APPARENT HC ODOR IN OVM SAMPLE OR TRENCH AREA! TRENCH APPROXIMATELY 7 FT. BELOW PIT SURFACE.

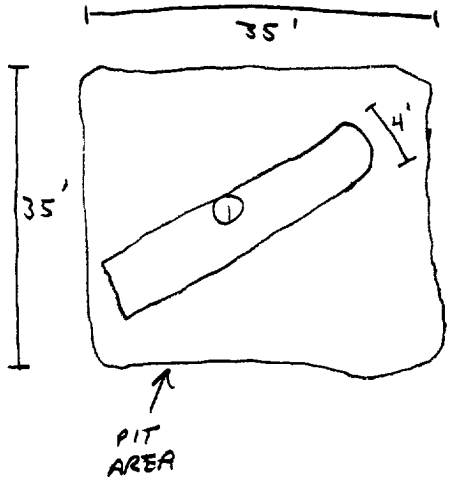
CLOSED

SCALE
0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1355	①@11'	TPH-1193	5	20	1:1	8	32

PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1@11'	0.0
2	
3	
4	
5	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE

NOT APPLICABLE

TRAVEL NOTES: CALLOUT: 10/12/94 ONSITE: 10/13/94

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 @ 11'	Date Analyzed:	10-13-94
Project Location:	A.L. Eliott B 7	Date Reported:	10-13-94
Laboratory Number:	TPH-1193	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	**32**	**20**

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
1584	1372	14.34

*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 (II) Pit - B0122

Analyst

R. E. O'Neill
Review