

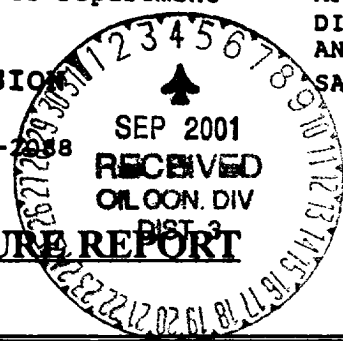
District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

SEP-ON
12/11/01
Brow-OK

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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



PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: ELLOTT, ANNIE L. B # 1A
Well Name _____
Location: Unit or Qtr/Qtr Sec F 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 15', width 15', depth 14'
(Attach diagram) Reference: wellhead X, other _____
Footage from reference: 95
Direction from reference: 0 Degrees _____ East North _____
_____ 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 100
 (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 12-5-96

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 15'

Sample date 10-18-94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 81

TPH 572 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 10/19/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

0930

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 @ 15'	Date Analyzed:	10-18-94
Project Location:	Elliott Annie L. B 1A	Date Reported:	10-18-94
Laboratory Number:	TPH-1194	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	570	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 - B0123

R. E. O'Neil
Analyst

Helen Vely
Review

District I

P.O. Box 1980, Hobbs, NM

District II

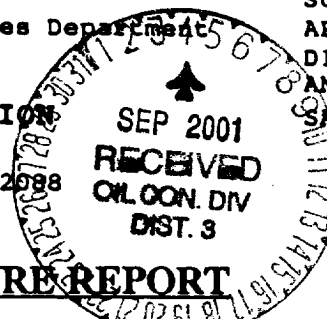
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District III

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 87504-2088SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICEPIT REMEDIATION AND CLOSURE REPORTOperator: Amoco Production Company Telephone: (505) - 326-9200Address: 200 Amoco Court, Farmington, New Mexico 87401Facility Or: ELLIOTT, ANNIE L. B # 1A
Well NameLocation: Unit or Qtr/Qtr Sec F sec 10 T 29N R 9W County SAN JUANPit Type: Separator Dehydrator Other BLOWLand Type: BLM X, State , Fee , Other Pit Location: Pit dimensions: length 20', width 15', depth 8'
(Attach diagram)Reference: wellhead X, other Footage from reference: 170Direction from reference: 60 Degrees X East North
of
 West South X

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) 0RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 10-18-94

Remediation Method: Excavation X Approx. cubic yards 100
 (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 12-5-94

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 8'

Sample date 10-18-94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 0

TPH 180 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 10/19/94
 SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

RESULTS TO BOB MCGOY 10-18-94 PEO

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80123</u> C.D.C. NO: _____
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: ANNIE L. ELLIOTT B	WELL #: 1A	PIT: BLOW	DATE STARTED: 10-18-94
QUAD/UNIT: F	SEC: 10	TWP: 29N	DATE FINISHED: _____
RNG: 9W	BM: NM	CNTY: SJ	ENVIRONMENTAL SPECIALIST: PEO
ST: NM	QTR/FOOTAGE: SE/NW	CONTRACTOR: PAUL + SONS	

EXCAVATION APPROX. 15 FT. x 20 FT. x 8 FT. DEEP. CUBIC YARDS: 100
DISPOSAL FACILITY: ON SITE REMEDIATION METHOD: LANDFARM
LAND USE: RANGE LEASE: FED. LSE # SF-078132 FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>170</u> FEET <u>S60°E</u> FROM WELLHEAD.		
DEPTH TO GROUNDWATER: <u>750'</u>	NEAREST WATER SOURCE: <u>>1000'</u>	NEAREST SURFACE WATER: <u>>1000'</u>	
NMOC D RANKING SCORE: <u>10</u>	NMOC D TPH CLOSURE STD: <u>1000</u> PPM		

SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED
 MOIST, BROWN → ORANGE/BROWN SAND - NO STAIN/Odor.

CLOSE PIT

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
CB@ 8'	1195	10.0	20.0	—	90	180

SCALE

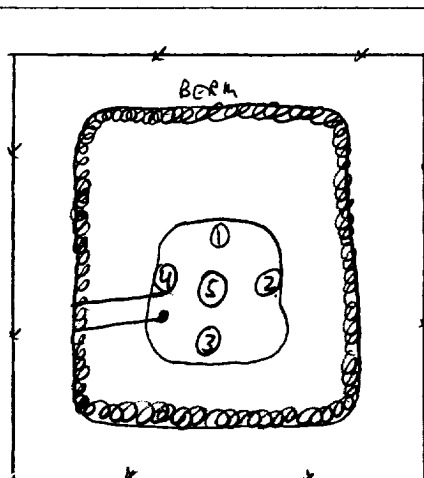


0 10 20 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE

[illegible]

TRAVEL NOTES: CALLOUT: _____ ONSITE: 10-18-94 1030

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 @ 8'
Project Location: Elliott Annie L. B 1A
Laboratory Number: TPH-1195

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	180	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: Blow Pit - B0123

R. E. O'Neil
Analyst

Helena Velez
Review

CLIENT: BPBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80123C.D.C. NO: 8401

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: ELLIOTT, A.L. B WELL #: 1A PITS: SEP., BLOWDATE STARTED: 5/1/01QUAD/UNIT: F SEC: 10 TWP: 29N RNG: 9W PM: NM CNTY: SJ ST: NM

DATE FINISHED: _____

QTR/FOOTAGE: SE 1/4 NW 1/4CONTRACTOR: PAUL & SONSENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 200LAND USE: RANGE FED. LEASE SF-078132LIFT DEPTH (ft): 1.0-1.5

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

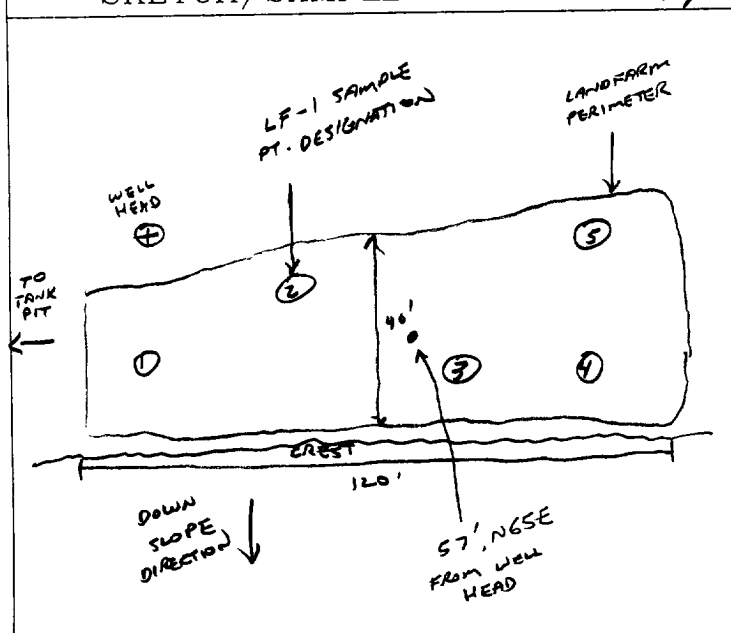
SOIL MOSTLY MED. YELL. BROWN SAND, MINUTE AMT. OF MED. GR. GRAY IN SAMPLE PTS. ④ + ⑤, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT HC ODOR DETECTED IN ANY OF THE SAMPLE PTS., SAMPLING DEPTHS RANGE FROM 0.5-1.25', COLLECTED 5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

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 @ pm 5/1/01

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	1.5	LF-1	TPH (8013)	1115	NO

SCALE



0

FT

TRAVEL NOTES: CALLOUT: N/AONSITE: 4/30/01 + 5/1/01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

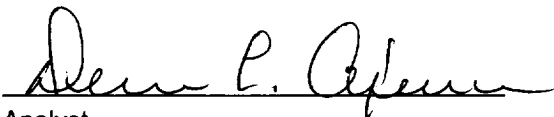
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	05-03-01
Laboratory Number:	19808	Date Sampled:	05-01-01
Chain of Custody No:	8401	Date Received:	05-01-01
Sample Matrix:	Soil	Date Extracted:	05-03-01
Preservative:	Cool	Date Analyzed:	05-03-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

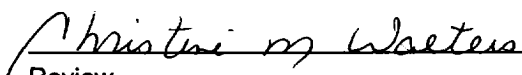
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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 #1A.


Analyst


Review

CHAIN OF CUSTODY RECORD

08401

Client / Project Name		Project Location		ANALYSIS / PARAMETERS										
BLAGS / 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) <i>John V. J.</i>		Date	5/1/01	Time	1438	Received by: (Signature) <i>Christine Watten</i>		Date	5-1-01	Time	14:35			
Relinquished by: (Signature)														
Relinquished by: (Signature)														
<div style="text-align: center;"> ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615 </div>												Sample Receipt		
												Y	N	N/A
												Received Intact		✓
												Cool - Ice/Blue Ice		✓