

OK
12/12/01
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

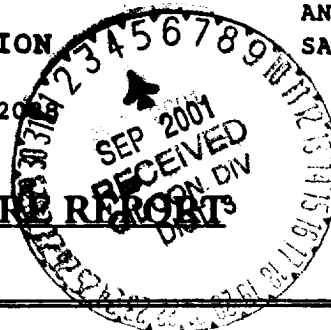
State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

80014
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: A.L. ELLIOTT D #9
Well Name
Location: Unit or Qtr/Qtr sec N Sec 11 T29N R9W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM X, State, Fee, Other

Pit Location: Pit dimensions: length 15', width 15', depth 8'
(Attach diagram)
Reference: wellhead X, other
Footage from reference: 190
Direction from reference: 30 Degrees X East North X
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) 20

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): 20

Date Remediation Started: _____ Date Completed: 9-8-94

Remediation Method: Excavation X Approx. cubic yards 50
 (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

hmoed letter correspondence 12-10-96

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 10'

Sample date 9-8-94 Sample time _____

Sample Results

Benzene(ppm) 0.0038

Total BTEX(ppm) 0.0377

Field headspace(ppm) 215

TPH 14 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 9/13/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

C.D.C. NO: 2039

FIELD REPORT: PIT CLOSURE VERIFICATION

ENVIRONMENTAL SPECIALIST: REV

SOIL REMEDIATION: EXCAVATION APPROX. 15 FT. x 15 FT. x 8 FT. DEEP.
DISPOSAL FACILITY: ON SITE - LANDFARM CUBIC YARDAGE: 50
LAND USE: RANGE LEASE: FED. LSE# SF - 078132

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 190 FEET N 30° E FROM WELLHEAD.
DEPTH TO GROUNDWATER: < 50 NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: 71000'
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION: MOIST, BROWN, WELL GRADED SAND -
NO OIL / STAIN.

CLOSED

FIELD 418.1 CALCULATIONS

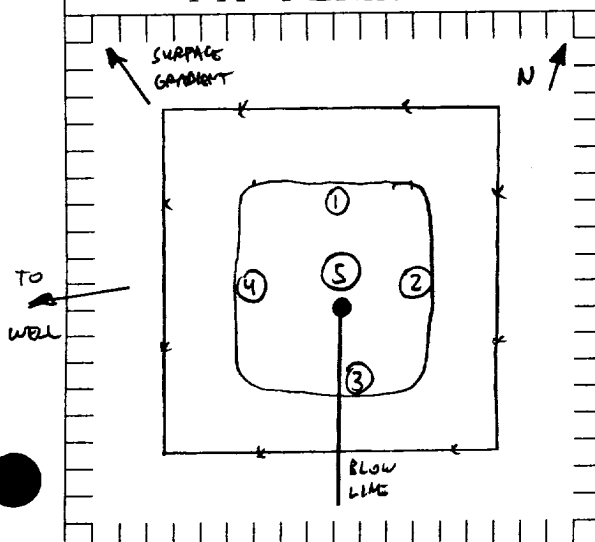
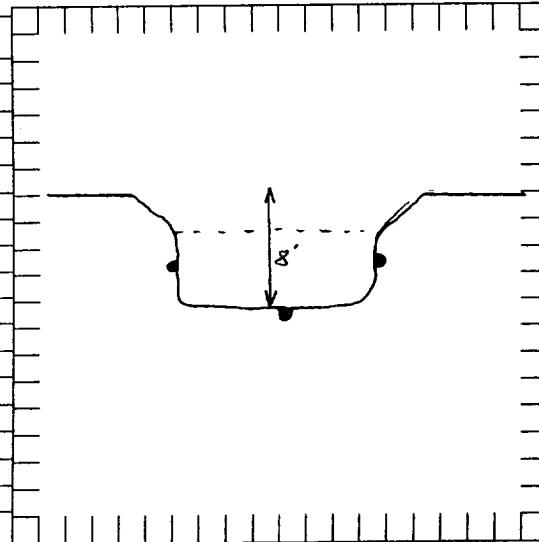
FIELD LOG CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
CB@10'	1117	10.0	20.0	1	7	14

SCALE

PIT PERIMETER

OVM RESULTS

PIT PROFILE

[illegible]

TRAVEL NOTES:

CALLOUT: 9-8-94 ONSITE: 9-8-94 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:	CB @ 10'	Date Analyzed:	9-08-94
Project Location:	A. L. Elliott D 9	Date Reported:	9-08-94
Laboratory Number:	TPH-1117	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	14	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	440	450	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 - B0079

R. E. O'Neil
Analyst

Nelson Veliz
Review



AROMATIC VOLATILE ORGANICS

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

Date: *9/10/94*
Lab ID: *2039*
Sample ID: *2952*
Job No. *2-1000*

Project Name: *A. L. Elliott D #9*
Project Location: *CB @ 10' - Blow Pit*
Sampled by: *REO* Date: *9/8/94*
Analyzed by: *DLA* Date: *9/10/94*
Sample Matrix: *Soil*

Time: *10:00*

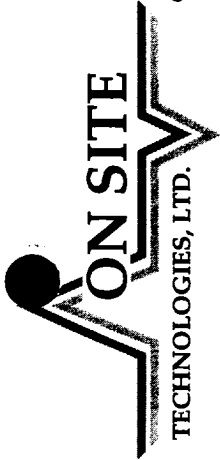
Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	<i>3.8</i>	<i>0.2</i>
<i>Toluene</i>	<i>15.5</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>0.5</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>15.7</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>2.2</i>	<i>0.2</i>
<i>TOTAL</i>		<i>37.7 ug/kg</i>

ND - Not Detectable

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

Approved by: *J. L. G.*
Date: *9/12/94*



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: BPBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80079C.O.C. NO: 8401

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: ELLIOTT, A.L. D WELL #: 9 PITS: BLOW - 50 C.Y.DATE STARTED: 5/1/01

DATE FINISHED: _____

QUAD/UNIT: N SEC: 11 TWP: 29N RNG: 9W PM: NM CNTY: ST ST: NMQTR/FOOTAGE: SE/4 SW/4CONTRACTOR: PAUL & SONSENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 600LAND USE: RANGE - FED. LEASE SF 078132 LIFT 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: 10 NMOC D TPH CLOSURE STD: 1000 PPM

SOIL MOSTLY DK. YEL. ORANGE SAND, DUSKY YEL. BROWN OBSERVED @ SAMPLE PT. ④,
NOW COHESIVE, SLIGHTLY MOIST, LOOSE TO FIRM, NO APPARENT HC ODOOR DETECTED
@ ANY OF THE SAMPLE PTS., SAMPLING DEPTHS RANGE FROM 8" TO 1 1/2', COLLECTED
5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

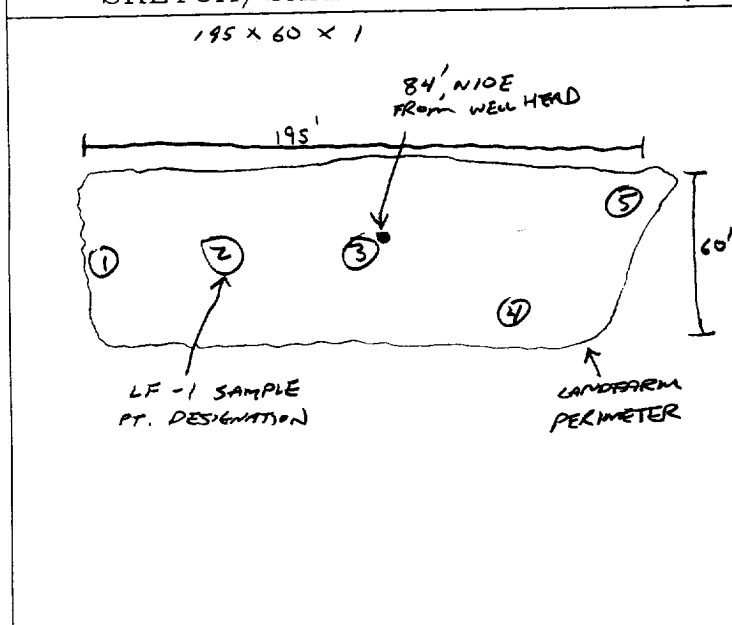
CLOSED

ELLIOTT, A.L. E #1 (200 C.Y.) + ELLIOTT GC A #1 (25 C.Y.) INCLUDED
ELLIOTT, A.L. D #2A (325 C.Y.)

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	2.0	LF -1	TPH (8015)	0850	ND

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

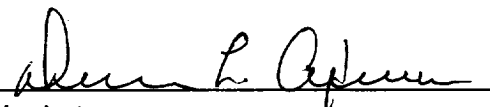
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	05-03-01
Laboratory Number:	19805	Date Sampled:	05-01-01
Chain of Custody No:	8401	Date Received:	05-01-01
Sample Matrix:	Soil	Date Extracted:	05-03-01
Preservative:	Cool	Date Analyzed:	05-03-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

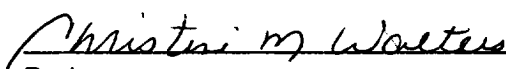
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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. D #9.


Analyst


Review

CHAIN OF CUSTODY RECORD

08401

Client / Project Name		Project Location		ANALYSIS / PARAMETERS											
BLAGS / BP		LANDFILL													
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. 8 #1		
LF-1 B-6	5/1/01	1005	19807	SOIL	1	✓							ELLIOTT, A.L. 8 #6		
LF-1 B-1A	5/1/01	1115	19808	SOIL	1	✓							ELLIOTT, A.L. 8 #1A		
LF-1 B-7	5/1/01	1200	19809	SOIL	1	✓							ELLIOTT, A.L. 8 #7		
LF-1 B-2	5/1/01	1300	19810	SOIL	1	✓							ELLIOTT, A.L. 8 #2		
													ALL SAMPLES -		
													5 PT. COMPOSITE		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time					
[Signature]		5/1/01		1438		Christine Watson		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		