

8008

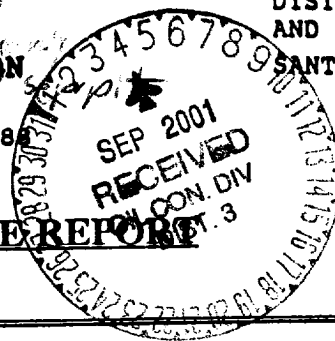
District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

12/19/01

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

Abd-sep - discovered additional
Blow PIT
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088



soils from six wells
- For location

1996

PIT REMEDIATION AND CLOSURE REPORT

sep previous closure pull it

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: A.L. ELLIOTT O2A
Well Name
Location: Unit or Qtr/Qtr Sec J Sec 11 T2N R9W County SAN JUAN
Pit Type: ABANDONED Separator ☒ Dehydrator ☐ Other ☐
Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 21', width 25', depth 18'
(Attach diagram) Reference: wellhead ☒, other ☐
Footage from reference: 170'
Direction from reference: 52 Degrees ☒ East North ☐
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) 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) 0
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 1/30/95Remediation Method: Excavation ☒ Approx. cubic yards 325
(Check all appropriate sections) Landfarmed ☒ ^{or} Insitu Bioremediation _____

Other _____

Remediation Location:
(ie. landfarmed onsite,
name and location of
offsite facility)^{or} Onsite ☒ Offsite A.L. ELLIOTT D #9 (N-11-29-9)

General Description Of Remedial Action: _____

Excavation

_____Ground Water Encountered: No ☒ Yes _____ Depth _____Final Pit:
Closure Sampling:
(if multiple samples,
attach sample results
and diagram of sample
locations and depths)Sample location see Attached DocumentsSample depth 21'Sample date 1/30/95 Sample time 1020

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 4.9TPH 1,000 ppmGround Water Sample: Yes _____ No ☒ (If yes, attach sample results)I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST
OF MY KNOWLEDGE AND BELIEFDATE 1/30/95

SIGNATURE

B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
ENVIRONMENTAL COORDINATOR

CLIENT: AMOCO

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

LOCATION NO: 80208
C.O.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: A.L. ELLIOTT WELL #: D2A PIT: ABAN. SEP.
QUAD/UNIT: J SEC: 11 TWP: 29N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: NW/4 SE/4 CONTRACTOR: P. VELASQUEZ

DATE STARTED: 1/30/95
DATE FINISHED: _____
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 21 FT. x 25 FT. x 18 FT. DEEP. CUBIC YARDAGE: 325
DISPOSAL FACILITY: ON-SITE (N-11-29-9) REMEDIATION METHOD: LANDFARMED
LAND USE: RANGE LEASE: SF-078132 FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 170 FT. 552E FROM WELLHEAD.
DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOC D RANKING SCORE: 10 NMOC D TPH CLOSURE STD: 1000 PPM

CHECK ONE:
☒ PIT ABANDONED
☐ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

CONTAMINATE SOIL OBSERVED DURING WIDENING SEP. PIT FOR STEEL TANK INSTALLATION. ASSUMED EARTHEN PIT FOR SEP ABANDONED AFTER TANK WAS INSTALLED ADJACENT TO IT. CONTAMINATION ENCOUNTERED @ DEPTHS WELL BELOW FIBER GLASS TANK (SEE SEP PIT CLOSURE FORM).

CLOSED

SCALE
0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1020	⑤ @ 21'	TPH-1358	5	20	1:1	262	1,048

PIT PERIMETER

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 12'	0.0
2 @ 14'	0.0
3 @ 15'	0.0
4 @ 14'	0.0
5 @ 21'	4.9

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE

TRAVEL NOTES: CALLOUT: 1/27/95 ONSITE: 1/30/95

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B0208</u> C.D.C. NO: _____
----------------------	--	---

FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
------------------------------------	-------------------------------

LOCATION: NAME: <u>A.L. ELLIOT</u> WELL #: <u>D2A</u> PIT: <u>SEP</u>	DATE STARTED: <u>1/24/95</u> DATE FINISHED: _____
QUAD/UNIT: <u>J</u> SEC: <u>11</u> TWP: <u>29N</u> RNG: <u>9W</u> PM: <u>Nm</u> CNTY: <u>SJ</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>NW1/4</u> <u>SE1/4</u> CONTRACTOR: <u>P. VELASQUEZ</u>	

EXCAVATION APPROX. <u>15</u> FT. x <u>15</u> FT. x <u>7</u> FT. DEEP. CUBIC YARDAGE: <u>25</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>CLOSE AS IS</u>
LAND USE: <u>RANGE</u> LEASE: <u>SF-078132</u> FORMATION: <u>MU</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>157</u> FT. <u>SSOE</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>10</u> NMOC D TPH CLOSURE STD: <u>1000</u> PPM

CHECK ONE:
☐ PIT ABANDONED
☒ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

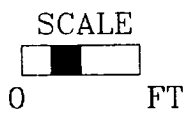
OK. YELL. ORANGE (NORTH, EAST & SOUTH SIDEWALLS) & OK. YELL. BROWN (WEST SIDEWALL) SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT HC ODOR IN ANY OF THE DUM SAMPLES.

FIBERGLASS TANK WAS REMOVED PRIOR TO SAMPLING.

CLOSED

FIELD 418.1 CALCULATIONS

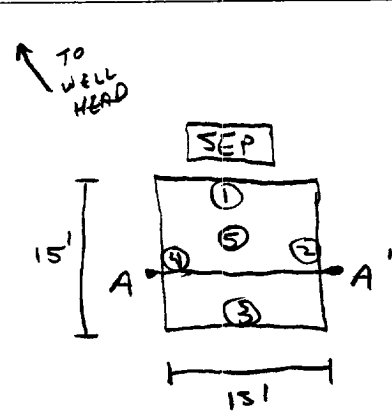
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1100	⑤ @ 8'	TPH-1354	5	20	1:1	3	ND



PIT PERIMETER

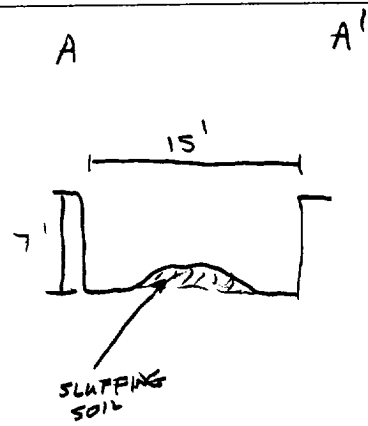
OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 4'	0.0
2 @ 3'	0.0
3 @ 3'	0.0
4 @ 3'	0.0
5 @ 8'	0.0

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES: CALLOUT: <u>1/24/95</u> ONSITE: <u>1/24/95</u>
--

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: 5 @ 8'
Project Location: A.L. Elliott D 2 A
Laboratory Number: TPH-1354

Project #:
Date Analyzed: 01-24-95
Date Reported: 01-24-95
Sample Matrix: Soil

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

ND = Not Detectable at stated detection limits.

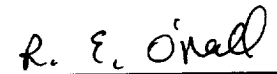
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	512	472	8.13

*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 - B0208


Analyst


Review

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: 5 @ 21'
Project Location: A.L. Elliott D 2A
Laboratory Number: TPH-1358

Project #:
Date Analyzed: 01-30-95
Date Reported: 01-30-95
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	1,000	20

ND = Not Detectable at stated detection limits.

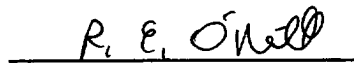
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	512	472	8.13

*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 Separator Pit - B0208


Analyst


Review

CC016

District I
P.O. Box 1980, Hobbs, NM

District II
P.O. Drawer DD, Artesia, NM

District III
1000 Rio Brazo Rd., Aztec, NM

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: BP AMOCO Telephone: (505) 326-9200

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: ELLIOTT, A.L. D # 2A

Location: Unit or Qtr/Qtr Sec J Sec 11 T 29N R 9W County SAN JUAN

Pit Type: Separator ☐ Dehydrator ☐ Other FLOW

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location:
(Attach diagram)

Pit dimensions: length 25', width 25', depth 23'

Reference: wellhead X, other ☐

Footage from reference: 200'

Direction from reference: 45(?) Degrees ☒ East ☒ North ☐ West ☐ South

Depth To Groundwater:
(Vertical distance from
contaminants to seasonal
high water elevation of
groundwater)

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>10</u>

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)	<u>0</u>

Distance To Surface Water:
(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 100 feet	(20 points)	
100 feet to 1000 feet	(10 points)	
Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____

Date Completed: 11/3/92

Remediation Method:
(Check all appropriate
sections)

Excavation ☒

Approx. cubic yards 135

Landfarmed ☒

Insitu Bioremediation _____

Other _____

Remediation Location:
(i.e. landfarmed onsite,
name and location of
offsite facility)

Onsite _____ Offsite ☒ ELLIST, A.L. B # 6 (G-10-29-9)

General Description of Remedial Action: Excavation.

Groundwater Encountered: No ☒ 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

23' (PIT BOTTOM)

Sample date

10/22/92

Sample time 1515

Sample Results

Soil: Benzene (ppm) _____ Water: Benzene (ppb) _____

Total BTEX (ppm) _____ Toluene (ppb) _____

Field Headspace (ppm) 0.0 Ethylbenzene (ppb) _____

TPH (ppm) 860 Total Xylenes (ppb) _____

Groundwater Sample:

Yes _____

No ☒

(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

11/3/92

PRINTED NAME

Jeffrey C. Blagg

SIGNATURE

Jeffrey C. Blagg

AND TITLE

President P. E. # 11607

ENVIROTECH Inc.5798 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0815

C.O.C. 2039

FIELD REPORT: CLOSURE VERIFICATIONJOB No: 92140PAGE No: 1 of 1LOCATION: LEASE: ANNIE L. ELLIOTT "D" WELL: 2A QD: NW/4 SE/4 (J)
SEC: 11 TWP: 29N RNG: 9W BM: NM CNTY: SJ ST: NM PIT: BLOW
CONTRACTOR: ENVIRONMENTAL PROTECTION CO.
EQUIPMENT USED: DUM # 37454DATE STARTED: 10-22-92DATE FINISHED: 10-22-92ENVIRONMENTAL
SPECIALIST: REOSOIL REMEDIATION: QUANTITY: 135 YARDSDISPOSAL FACILITY: LANDFARM AT ANNIE L. ELLIOTT "B" 6 (ORGANIC TECHNOLOGY -LAND USE: RANGEALBUQUERQUE)SURFACE CONDITIONS: SEE SITE ASSESSMENT**FIELD NOTES & REMARKS: PIT WALLS VERY UNSTABLE**

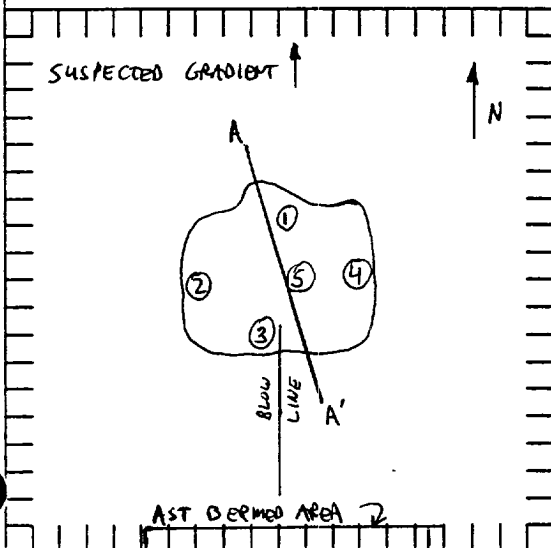
- ① NS @ 15' - POORLY GRADED, MOIST - BROWN SAND - NO ODOR DETECTABLE
- ② WS @ 13' - WELL GRADED, MOIST - BROWN SAND - NO ODOR DETECTABLE
- ③ SS @ 15' - POORLY GRADED, MOIST - BROWN SAND - NO ODOR DETECTABLE
- ④ ES @ 13' - POORLY GRADED, MOIST - BROWN SAND - NO ODOR DETECTABLE
- ⑤ CB @ 23' - POORLY GRADED, MOIST - BROWN SAND - NO ODOR DETECTABLE

NOTE: MATERIAL IN PIT EXCAVATED AND MOVED TO EXPERIMENTAL LANDFARM AT LOCATION NOTED ABOVE. ALL CONTAMINATED MATERIAL APPEARS TO BE REMOVED FROM PIT. CLOSURE RECOMMENDED.

PHONE CONVERSATION WITH BUDDY SHAW ON 10-23-92 AT 0840 - CONSIDER THE PIT CLOSED - EXCAVATION COMPLETE.

SCALE

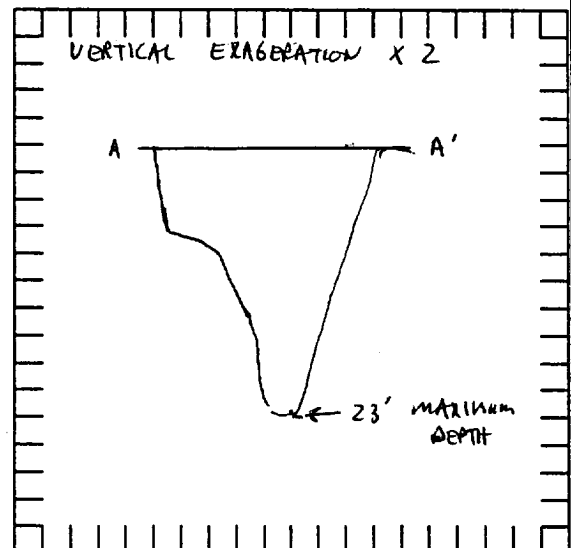
0 10 20 FEET

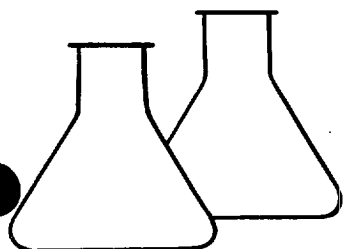
PIT PERIMETER**SAMPLE RESULTS**

SAMPLE NO.	ANALYTICAL RESULTS
①	0.0
②	0.0
③	0.0
④	0.0
⑤	0.0
COMPOSITE	
LNB-1	SOIL - TPH/8020
LB-1	SOIL TPH/8020
CB @ 23' SOIL TPH	
TIME: 1615	

SCALE

0 10 20 FEET

PIT PROFILETRAVEL NOTES: CALLOUT: 10-22-92ONSITE: 10-22-92



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	CB@23'	Date Reported:	11-03-92
Laboratory Number:	3578	Date Sampled:	10-22-92
Sample Matrix:	Soil	Date Received:	10-22-92
Preservative:	Cool	Date Analyzed:	10-30-92
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	860	5.0

Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

ND - Parameter not detected at the stated detection limit.

Comments: A.L. Elliott D-2A---Blow Pit---CC016

A. Chaharlang
Analyst

M. Young
Review

CC016

ENVIROTECH Inc.5798 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0815

C.O.C. 2139

FIELD REPORT: CLOSURE VERIFICATIONJOB No: 92140
PAGE No: 1 of 1LOCATION: LEASE: A.L. ELLIOTT "D" WELL: 2A QD: NW/4 SE/4 (J)
SEC: 11 TWP: 29 N RNG: 9 W BM: NH CNTY: SJ ST: NM PIT: Blow
CONTRACTOR: _____
EQUIPMENT USED: _____DATE STARTED: 11-11-92
DATE FINISHED: 11-11-92ENVIRONMENTAL
SPECIALIST: REOSOIL REMEDIATION: QUANTITY: — SEE ORIGINAL CLOSURE
DISPOSAL FACILITY: LANDFARM @ A.L. ELLIOTT B-6LAND USE: —

SURFACE CONDITIONS: _____

FIELD NOTES & REMARKS:

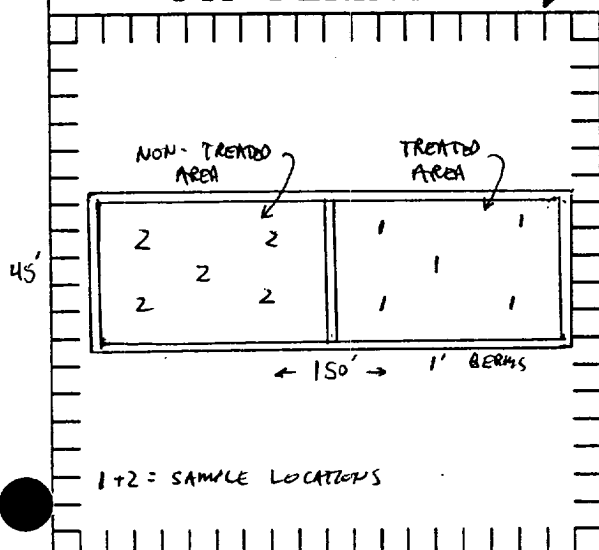
TEST OF LANDFARMED MATERIAL FROM A.L. ELLIOTT D-2A (10-22-92)

① COMPOSITE OF TREATED AREA. = LB-1

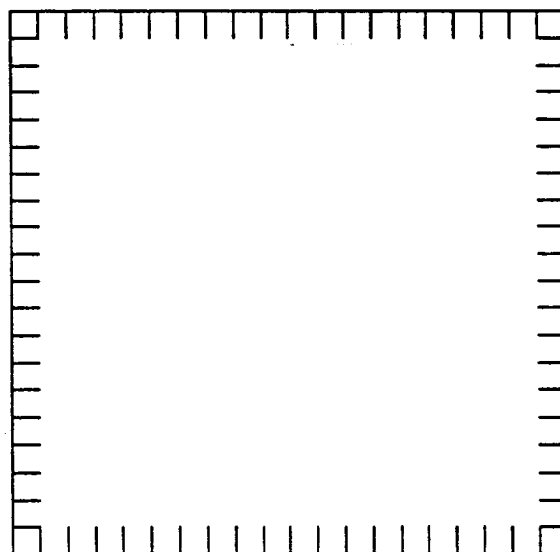
② COMPOSITE OF NON-TREATED AREA. = LNB-1

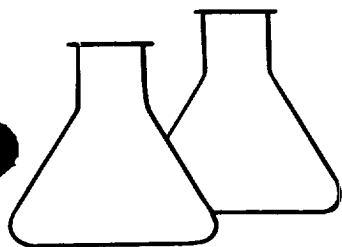
SCALE0 20 40 FEET LANDFARM
PIT PERIMETER

N

**SAMPLE RESULTS**

SAMPLE No.	ANALYTICAL RESULTS
	ODM
①	326
②	237
	HANBY
①	300-MED
②	~300-MED
	LAB
LB-1	SOIL-418/8015
LNB-1	SOIL-418/8015

SCALE0 40 FEET
PIT PROFILETRAVEL NOTES: CALLOUT: 11-11-92 ONSITE: 11-11-92 1300 Hours



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	LNB-1	Date Reported:	11-11-92
Laboratory Number:	3580	Date Sampled:	10-22-92
Sample Matrix:	Soil	Date Received:	10-22-92
Preservative:	Cool	Date Extracted:	10-28-92
Condition:	Cool & Intact	Date Analyzed:	11-09-92
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	49.5
Toluene	510	49.5
Ethylbenzene	400	19.8
p,m-Xylene	15,800	39.6
o-Xylene	9,500	29.7

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromfluorobenzene	89 %

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

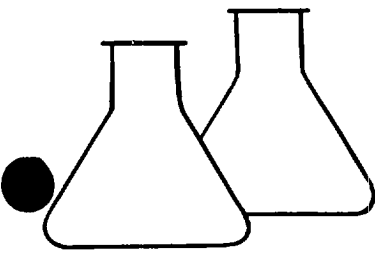
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Annie L. Elliott D-2A, Blow Pit, CC016

Al Chaharbenz
Analyst

Tony Tristano
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	LNB-1	Date Reported:	11-01-92
Laboratory Number:	3580	Date Sampled:	10-22-92
Sample Matrix:	Soil	Date Received:	10-22-92
Preservative:	Cool	Date Analyzed:	10-28-92
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	1,100	5.0

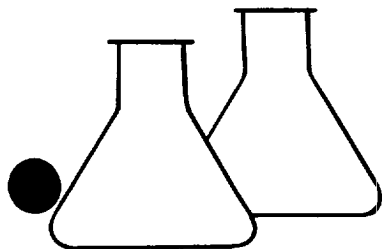
Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

ND - Parameter not detected at the stated detection limit.

Comments: AL Elliott D-2A---Blow Pit---CC016

Al Chechar
Analyst

Mari D. Young
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	LB-1	Date Reported:	11-01-92
Laboratory Number:	3579	Date Sampled:	10-22-92
Sample Matrix:	Soil	Date Received:	10-22-92
Preservative:	Cool	Date Analyzed:	10-28-92
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	1,100	5.0

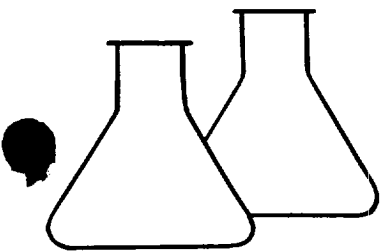
Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

ND - Parameter not detected at the stated detection limit.

Comments: AL Elliott D-2A---Blow Pit---CC016

Al Chaharlang
Analyst

Morris D Young
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	LB-1	Date Reported:	11-11-92
Laboratory Number:	3579	Date Sampled:	10-22-92
Sample Matrix:	Soil	Date Received:	10-22-92
Preservative:	Cool	Date Extracted:	10-28-92
Condition:	Cool & Intact	Date Analyzed:	11-09-92
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	64	50
Toluene	1,260	50
Ethylbenzene	ND	20.0
p,m-Xylene	24,800	40.1
o-Xylene	9,300	30.1

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	79 %
	Bromfluorobenzene	85 %

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

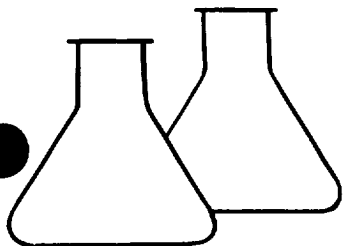
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Annie L. Elliott D-2A, Blow Pit, CC016

Al Chaharby
Analyst

Tony Tristano
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
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MODIFIED EPA METHOD 8015 NONHALOGENATED VOLATILE ORGANICS

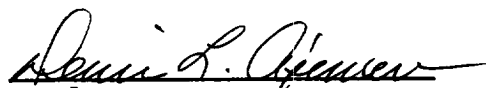
Client:	Amoco	Project #:	92140
Sample ID:	LB - 1	Date Reported:	12-01-92
Laboratory Number:	3836	Date Sampled:	11-11-92
Sample Matrix:	Soil	Date Received:	11-11-92
Preservative:	Cool	Date Analyzed:	11-30-92
Condition:	Cool and Intact	Analysis Requested:	TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
-----	-----	-----
Gasoline Range (C5 - C10)	92	0.73
Diesel Range (C10 - C28)	436	1.60
C18 - C36 Range	---	---
Total Petroleum Hydrocarbons	528	1.60

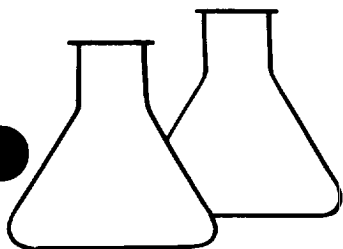
Method: Method 8015, Nonhalogenated Volatile Organics,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: LandFarm - A.L. Elliott D 2A Blow Pit CC016


Analyst


Review



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5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	LB-1	Date Reported:	11-12-92
Laboratory Number:	3836	Date Sampled:	11-11-92
Sample Matrix:	Soil	Date Received:	11-11-92
Preservative:	Cool	Date Analyzed:	11-12-92
Condition:	Cool & Intact	Analysis Needed:	TPH

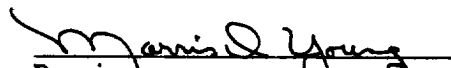
Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	750	5.0

Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

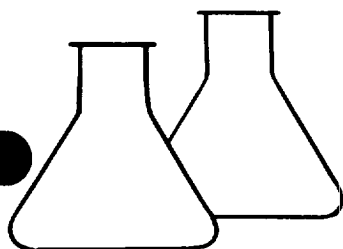
ND - Parameter not detected at the stated detection limit.

Comments: AL Elliott D 2A---Blow Pit---CC016


Analyst


Review

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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

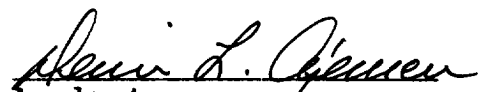
Client:	Amoco	Project #:	92140
Sample ID:	LNB-1	Date Reported:	11-12-92
Laboratory Number:	3837	Date Sampled:	11-11-92
Sample Matrix:	Soil	Date Received:	11-11-92
Preservative:	Cool	Date Analyzed:	11-12-92
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	610	5.0

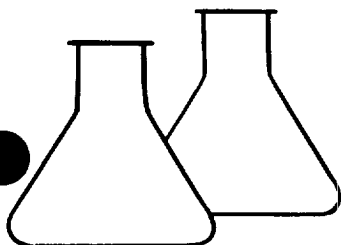
Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

ND - Parameter not detected at the stated detection limit.

Comments: AL Elliott D 2A---Blow Pit---CC016


Analyst


Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

MODIFIED EPA METHOD 8015 NONHALOGENATED VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	LNB - 1	Date Reported:	12-01-92
Laboratory Number:	3837	Date Sampled:	11-11-92
Sample Matrix:	Soil	Date Received:	11-11-92
Preservative:	Cool	Date Analyzed:	11-30-92
Condition:	Cool and Intact	Analysis Requested:	TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
-----	-----	-----
Gasoline Range (C5 - C10)	35	0.73
Diesel Range (C10 - C28)	488	1.60
C18 - C36 Range	---	---
Total Petroleum Hydrocarbons	523	1.60

Method: Method 8015, Nonhalogenated Volatile Organics,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: LandFarm - A.L. Elliott D 2A Blow Pit CC016

Kevin L. Cien
Analyst

Maris D. Young
Review

91077

[illegible]**ENVIROTECH INC.**

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

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

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: ELLIOTT, A.L. B WELL #: 6 PITS:DATE STARTED: 5/1/01QUAD/UNIT: G SEC: 10 TWP: 29N RNG: 9W PM: NM CNTY: SJ ST: NMDATE FINISHED: QTR/FOOTAGE: SW1/4 NE1/4CONTRACTOR: PAUL & SONSENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 135LAND USE: RANGE - FED. LEASE SF-078132LIFT DEPTH (ft): 0.5-1.5

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOCB RANKING SCORE: 0 NMOCB TPH CLOSURE STD: 5000 PPM

SOIL OK. YELL. ORANGE TO MOD. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, LOOSE TO FIRM, NO APPARENT HC 0002 DETECTED @ ANY OF THE SAMPLE PTS., SAMPLING DEPTH RANGE FROM 6" TO 1 1/2', COLLECTED 5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

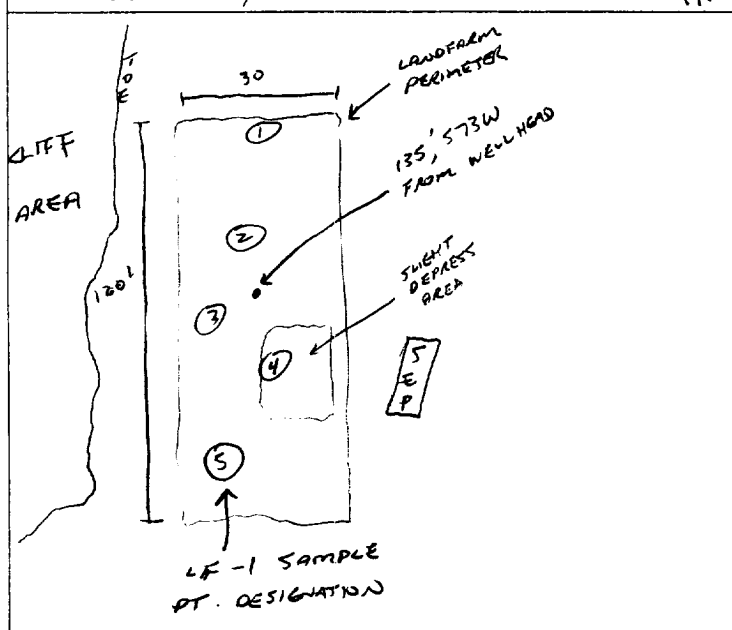
CLOSED

SOIL DEPOSED FROM ELLIOTT, A.L. D#2A BLOW PIT

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 @ any 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 (8015)	1005	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

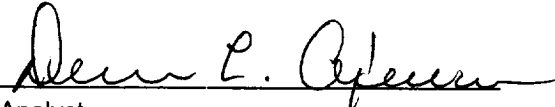
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	05-03-01
Laboratory Number:	19807	Date Sampled:	05-01-01
Chain of Custody No:	8401	Date Received:	05-01-01
Sample Matrix:	Soil	Date Extracted:	05-03-01
Preservative:	Cool	Date Analyzed:	05-03-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

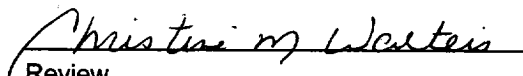
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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 #6.


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. 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				
[Signature]		5/1/01		1438		Christina 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		✓