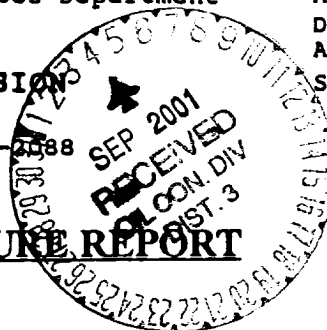


District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

Blow OK = 12/13/01
Sep - 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: W. D. HEATH A #10
Well Name
Location: Unit or Qtr/Qtr Sec K Sec 17 T 29N R 9W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 35', width 35', depth 15'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 200
Direction from reference: 45 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) 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: 5-20-94

Remediation Method: Excavation X Approx. cubic yards 500
(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 12-19-94

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 10'

Sample date 5-20-94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 24

TPH 40

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 6/17/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

RESULTS TO PAUL V. - 5/27/94 PEO

CLIENT: AMOCO

ENVIROTECH Inc.

PIT NO: A0024

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

C.O.C. NO: 3661

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140

PAGE No: 1 of 1

LOCATION: LEASE: W. D. HEATH A WELL #: 10 PIT: Blow

DATE STARTED: _____

DATE FINISHED: 5-20-94

CONTRACTOR: PAUL VELASQUEZ

ENVIRONMENTAL SPECIALIST: *RLW*

SOIL REMEDIATION: EXCAVATION APPROX. 35 FT. x 35 FT. x 15 FT. DEEP.

DISPOSAL FACILITY: ON SITE - LANDFARM

LAND USE: RANGE - FEDERAL LEASE # SF - 076337

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 200 FEET N 45° E FROM WELLHEAD.

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

NMOC Ranking Score: 10 NMOC TPH Closure Std: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION: MOIST → DRY, CLAYEY SILT - FIRM SILTY-CLAYEY BOTTOM.
NO STAIN/ODOR.

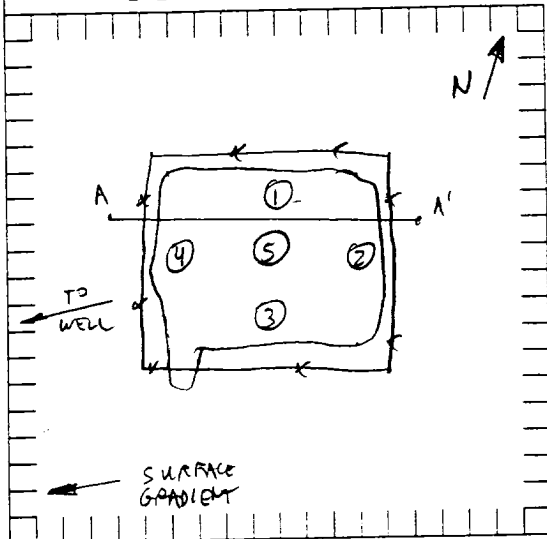
FIELD 418.1 CALCULATIONS

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

SCALE

0 10 20 FEET

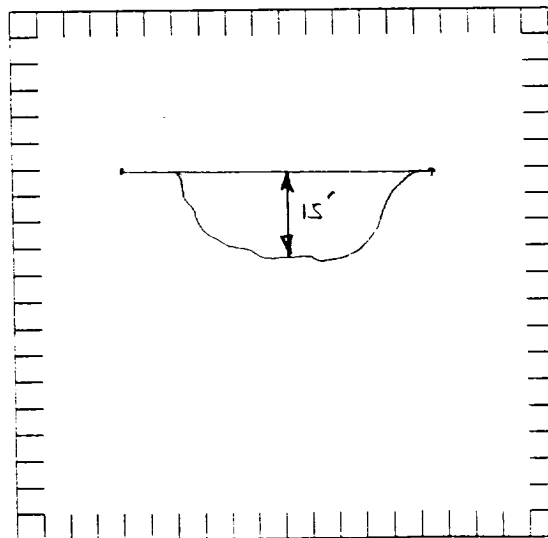
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
NS@ 9'	5
ES@ 10'	3
SS@ 10'	24
WS@ 10'	3
CS@ 15'	3
	LAB
(3)	418.1

PIT PROFILE

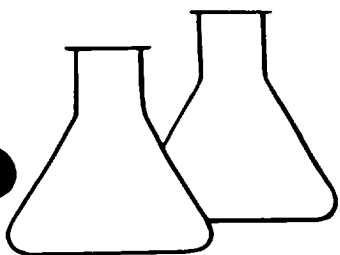


TRAVEL NOTES:

CALLOUT: 5-18-99

ONSITE: 5-20-99

1200



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:	SS @ 10'	Date Sampled:	05-20-94
Laboratory Number:	7475	Date Received:	05-20-94
Sample Matrix:	Soil	Date Analyzed:	05-26-94
Preservative:	Cool	Date Reported:	05-26-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	40	25.0

ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: W.D. Heath "A" #10 Blow Pit A0024

Tony Tistano
Analyst

Maris Young
Review

Date Remediation Started: _____ Date Completed: 5-20-94

Remediation Method: Excavation X

Approx. cubic yards 125

(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

12-19-94

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 20'

Sample date 5-20-94

Sample time _____

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 10.9

Field headspace(ppm) 1024

TPH 270 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 6/17/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

RESULTS TO BOB MICOT 6/2/94 AEO

CLIENT: AMOCO

ENVIROTECH Inc.

PIT NO: A0024

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

C.O.C. NO: 3661

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140

PAGE No: 1 of 1

LOCATION: LEASE: W. D. HEATH A WELL #: 10 PIT: SEP.

DATE STARTED: _____
DATE FINISHED: 5-20-94

DATE FINISHED: 5-20-94

CONTRACTOR: PAUL VELASQUEZ

ENVIRONMENTAL SPECIALIST: *REO*

SOIL REMEDIATION: EXCAVATION APPROX. 15 FT. x 12 FT. x 19 FT. DEEP.

DISPOSAL FACILITY: ON SITE - LAND FARM

LAND USE: RANGE - FEDERAL LEASE # SF - 076337

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 145 FEET S40°E FROM WELLHEAD.

DEPTH TO GROUNDWATER: >50' NEAREST SURFACE WATER: >1000' NEAREST WATER SOURCE: >1000'

NMOC Ranking Score: 10 NMOC TPH Closure Std: 1000 ppm

SOIL AND EXCAVATION DESCRIPTION: MOIST, BROWN, CLAYEY SILT - STIFF. - SOFT BOTTOM
ODOR + SOME STAIN IN BOTTOM + EAST SIDE.

FIELD 418.1 CALCULATIONS

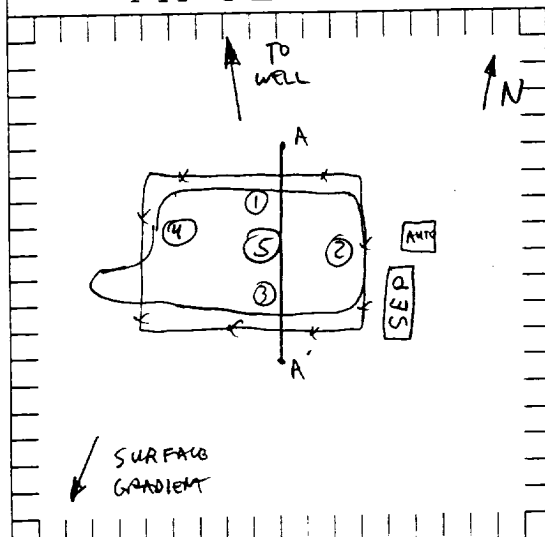
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE



0 5 10 FEET

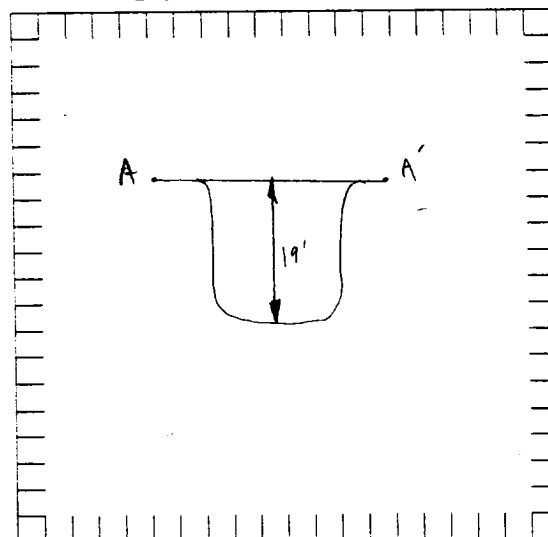
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
NIS@15'	21
ESC@14'	1011
SSC@15'	14
WSC@14'	8
CBC@20'	1024
	.
	LAB
(5)	418.
	BTEX

PIT PROFILE

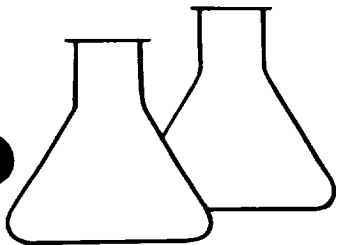


TRAVEL NOTES:

CALLOUT: 5-18-94

ONSITE: 5-20-94

1130



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 @ 20'	Date Sampled:	05-20-94
Laboratory Number:	7476	Date Received:	05-20-94
Sample Matrix:	Soil	Date Analyzed:	05-26-94
Preservative:	Cool	Date Reported:	05-26-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	270	25.0

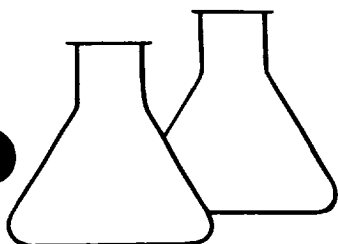
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: W.D. Heath "A" #10 Sep Pit A0024

Tony Tristano
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:	CB @ 20'	Date Reported:	05-31-94
Laboratory Number:	7476	Date Sampled:	05-20-94
Sample Matrix:	Soil	Date Received:	05-20-94
Preservative:	Cool	Date Extracted:	05-30-94
Condition:	Cool & Intact	Date Analyzed:	05-30-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
-----	-----	-----
Benzene	ND	13.2
Toluene	106	39.5
Ethylbenzene	294	26.4
p,m-Xylene	9,500	39.5
o-Xylene	975	53

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Trifluorotoluene	103 %
	Bromofluorobenzene	98 %

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

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: W.D. Heath "A" #10 Sep Pit A0024

Tony Tristano
Analyst

Morris D. Young
Review

CLIENT: BPBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: A0024C.O.C. NO: 8409

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: HEATH, WD A WELL #: 10 PITS: BLOW, SEP.
QUAD/UNIT: K SEC: 17 TWP: 29N RNG: 9W PM: Nm CNTY: SJ ST: NM
QTR/FOOTAGE: NE/SW CONTRACTOR: P&SDATE STARTED: 5/31/01
DATE FINISHED: _____ENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 625LAND USE: RANGE-BLMLIFT DEPTH (ft): 1

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCB RANKING SCORE: 10 NMOCB TPH CLOSURE STD: 1000 PPM P.C. - 5/20/94

MOD. YELL. BROWN SAND & GRAVEL, NON COHESIVE, DRY TO SLIGHTLY MOIST, LOOSE TO DENSE, NO APPARENT DISCOLORATION/STAINING OBSERVED OR HC ODOR DETECTED @ ANY OF THE SAMPLING PTS. OR OUM SAMPLE, SAMPLE DEPTHS RANGED FROM 4" - 6", COLLECTED 5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

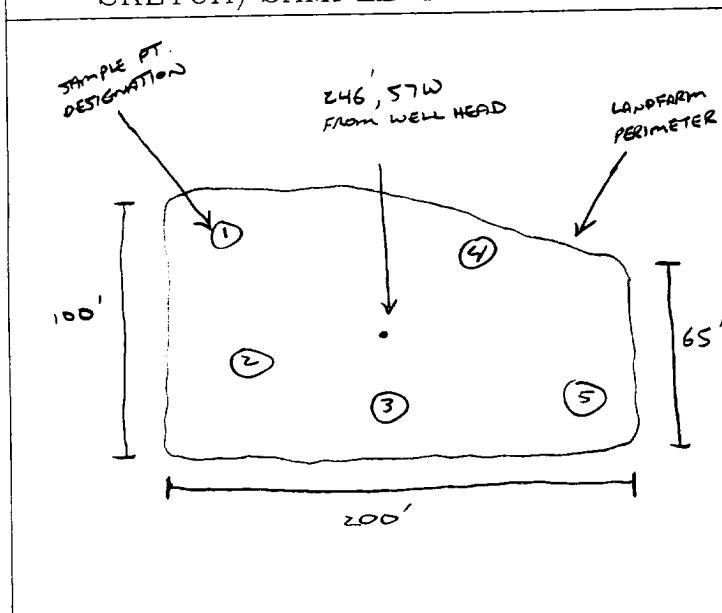
CLOSED

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS

N

OVM CALIB. READ. 53.0 ppm
TIME: 0800 @ pm 5/30/01

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (8015)	0845	ND

SCALE

0 FT

TRAVEL NOTES: CALLOUT: N/AONSITE: 5/31/01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

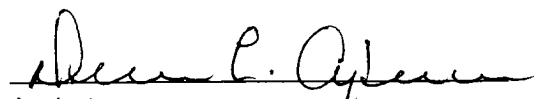
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	06-04-01
Laboratory Number:	19947	Date Sampled:	05-31-01
Chain of Custody No:	8409	Date Received:	05-31-01
Sample Matrix:	Soil	Date Extracted:	06-01-01
Preservative:	Cool	Date Analyzed:	06-01-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

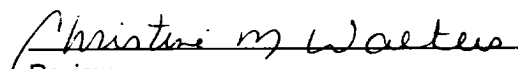
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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: **Heath, WD Lease A #10 Landfarm 5 Pt. Composite.**


Analyst


Review

08409

[illegible]