

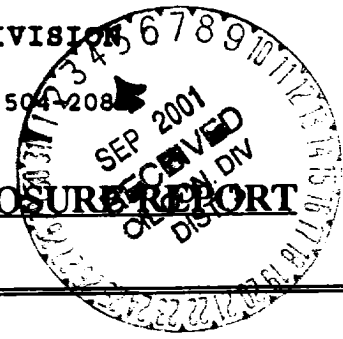
OK-12/13/01

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

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: W. D. HEATH A #13
Well Name
Location: Unit or Qtr/Qtr Sec N sec 17 T29N R9W county SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM X, State, Fee, Other

Pit Location: Pit dimensions: length 20', width 20', depth 8'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 120
Direction from reference: 45 Degrees X East North
of
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: 5-20-94

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

Amoco letter correspondence 12-K-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 8'

Sample date 5-20-94 Sample time _____

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 4.5

Field headspace(ppm) 1069

TPH 690 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 R60 A0022

CLIENT: AMOCO

ENVIROTECH Inc.

PIT NO: A0021

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

C.O.C. NO: 3659

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140

PAGE No: 1 of 1

LOCATION: LEASE: W.A HEATH A WELL #: 13 PIT: Blow

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

DATE FINISHED: 5-20-94

CONTRACTOR: PAUL VELASQUEZ

ENVIRONMENTAL SPECIALIST: R E O

SOIL REMEDIATION: EXCAVATION APPROX. 20 FT. x 20 FT. x 8 FT. DEEP.

DISPOSAL FACILITY: ON SITE LAND FARM

LAND USE: RANGE - LEASE # FEDERAL LSE# SF-076337

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 120 FEET S45°E FROM WELLHEAD.

DEPTH TO GROUNDWATER: 750' NEAREST SURFACE WATER: 7100' NEAREST WATER SOURCE: 7100'

NMOC D RANKING SCORE: 10 NMOC D TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION: SAND/GRAVEL/COBBLE MIXTURE - NO STAIN
OR ODOR APPARENT - BOTTOM IS SANDSTONE BEDROCK.
ODOR IN BOTTOM SANDSTONE.

BEDROCK
Bottom

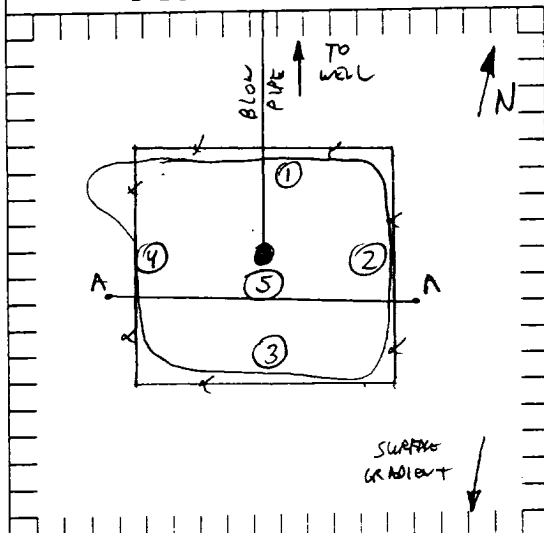
FIELD 418.1 CALCULATIONS

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

SCALE

0 5 10 FEET

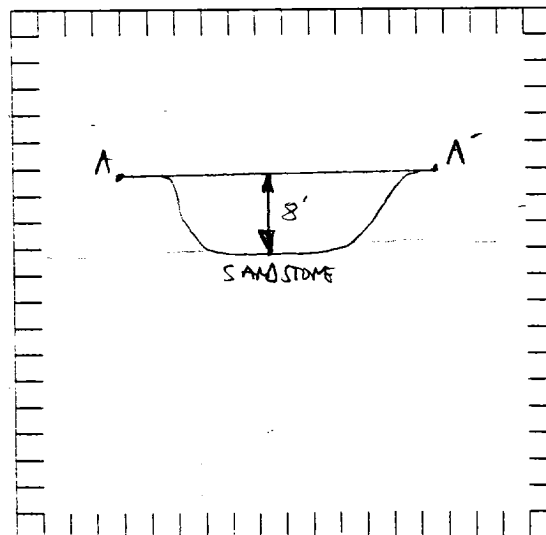
PIT PERIMETER



OVM RESULTS

[illegible]

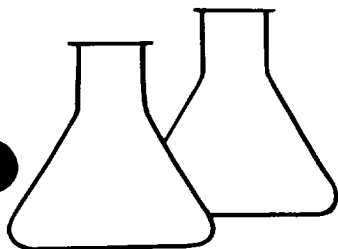
PIT PROFILE



TRAVEL NOTES:

CALLOUT: 5-18-94

ONSITE: 5-20-94 0900



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 @ 8'	Date Sampled:	05-20-94
Laboratory Number:	7472	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	690	25.0

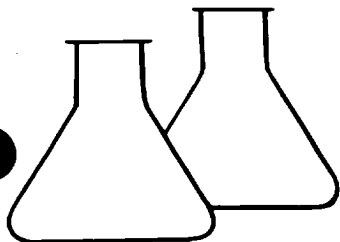
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: W.D. Heath "A" #13 Blow Pit A0022

Tony Tistano
Analyst

Mavis 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 @ 8'	Date Reported:	05-31-94
Laboratory Number:	7472	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	125	39.7
Ethylbenzene	270	26.5
p,m-Xylene	2,100	39.7
o-Xylene	1,960	53

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	100 %

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" #13 Blow Pit A0022

Tony Tistar
Analyst

Morris D. Young
Review

2025 RELEASE UNDER E.O. 14176

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: A0022C.O.C. NO: 8409

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: HEATH, WD A WELL #: 13 PITS: BLOW
QUAD/UNIT: N SEC: 17 TWP: 29N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: SESW CONTRACTOR: P&SDATE STARTED: 5/31/01

DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 100LAND USE: RANGE - BLM SF-076337LIFT DEPTH (ft): 1-1.5

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

VERY PALE ORANGE TO PALE YELL. BROWN SAND & GRAVEL, NON COHESIVE, DRY TO SLIGHTLY MOIST, LOOSE, NO APPARENT DISCOLORATION/STAINING OBSERVED OR HC ODOR DETECTED @ ANY OF THE SAMPLING PTS. OR OVM SAMPLE, SAMPLING DEPTHS RANGED FROM 6"-12", COLLECTED 5 FT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

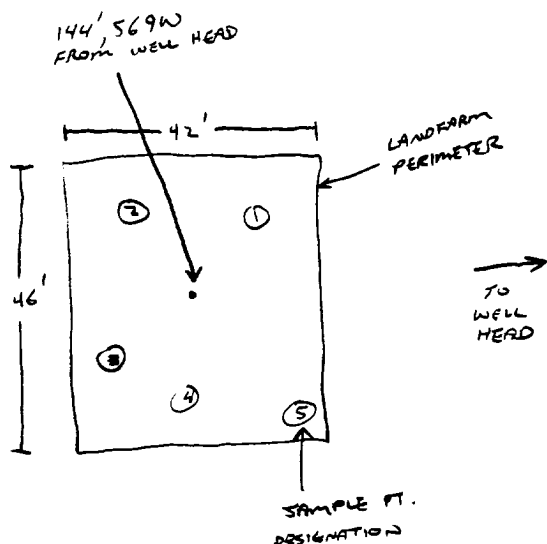
CLOSED

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/A ONSITE: 5/31/01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

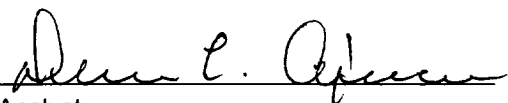
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	06-04-01
Laboratory Number:	19946	Date Sampled:	05-31-01
Chain of Custody No:	8409	Date Received:	05-31-01
Sample Matrix:	Soil	Date Extracted:	06-01-01
Preservative:	Cool	Date Analyzed:	06-01-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

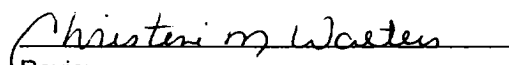
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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 #13 Landfarm 5 Pt. Composite.**


Analyst


Review

CHAIN OF CUSTODY RECORD

08409

Client / Project Name		Project Location		ANALYSIS / PARAMETERS									
BLAGE / BP		HEATH, WD LEASE											
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	5/31/01	0845	19946	SOIL	1	✓							ALL SAMPLES
LF-1	5/31/01	0945	19947	SOIL	1	✓							5 FT. COMPOSITE
LF-1	5/31/01	1045	19948	SOIL	1	✓							HEATH, WD A #13
LF-2	5/31/01	1145	19949	SOIL	1	✓							HEATH, WD A #10
LF-1	5/31/01	1245	19950	SOIL	1	✓							HEATH, WD A #3X
LF-1	5/31/01	1345	19951	SOIL	1	✓							" " "
													HEATH, WD A #3A
													HEATH, WD A #8E
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time			
Nelson VJ		5/31/01		1437		Dennis L. Ogden		5/31/01		1437			
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	✓		