

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

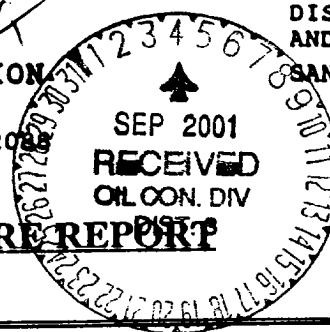
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OIL CONSERVATION DIVISION

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

Blow - OK 12/12/01 L F OK
Sep - denied 12/12/01

PIT REMEDIATION AND CLOSURE REPORT



Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: HEATH GC G1
Well Name
Location: Unit or Qtr/Qtr Sec N Sec 8 T 29N R 9W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM , State , Fee , Other Com. AGMT.

Pit Location: Pit dimensions: length 39', width 42', depth 6'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 110'
Direction from reference: 42 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) 0
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 10/12/94

Remediation Method: Excavation ☒ Approx. cubic yards 180
 (Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite ☒ Offsite _____
 (ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation

Amoco letter correspondence

12-4-94

Ground Water 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 4'

Sample date 10/11/94 Sample time 1345

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 1.3

TPH ND

Ground Water Sample: Yes _____ No ☒ (If yes, attach sample results)

HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 10/12/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0815

CC005

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140
PAGE No: 1 of 1

LOCATION: LEASE: HEATH G.C. "G" WELL: *1 QD: SE/4 SW/4 (N)
SEC: 8 TWP: 29 N RNG: 9 W BM: Nm CNTY: SJ ST: Nm PIT: BLOW
CONTRACTOR: ENVIRONMENTAL PROTECTION CO. - MAN HASLER
EQUIPMENT USED: ROTO-TILLER

DATE STARTED: 10-26-92
DATE FINISHED: 10-26-92

ENVIRONMENTAL
SPECIALIST: REO

SOIL REMEDIATION: QUANTITY: SURFACE TREATMENT

DISPOSAL FACILITY: IN PLACE TREATMENT

LAND USE: RANGE

SURFACE CONDITIONS: PERIMETER OVERGROWN WITH WEEDS - PIT BOTTOM TILLED

FIELD NOTES & REMARKS: PIT LOCATED 75' EAST AND 100' NORTH OF WELLHEAD.
IN PLACE TREATMENT USED DUE TO APPARENT MINIMAL DEPTH OF SOIL CONTAMINATION.
CONTAMINATION APPEARS LIMITED TO 1'-2' DEPTH FROM PIT BOTTOM.
PIT BOTTOM APPROXIMATELY 2' BELOW GROUND SURFACE.

NOTE: TREATMENT COMPLETED BY MATT HARDER PRIOR TO VISUAL INSPECTION -
BACTERIA OBTAINED FROM ALPHA TECHNOLOGY OF AUSTIN, TEXAS

NO NEW SAMPLES TAKEN

SCALE

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0 10 20 FEET

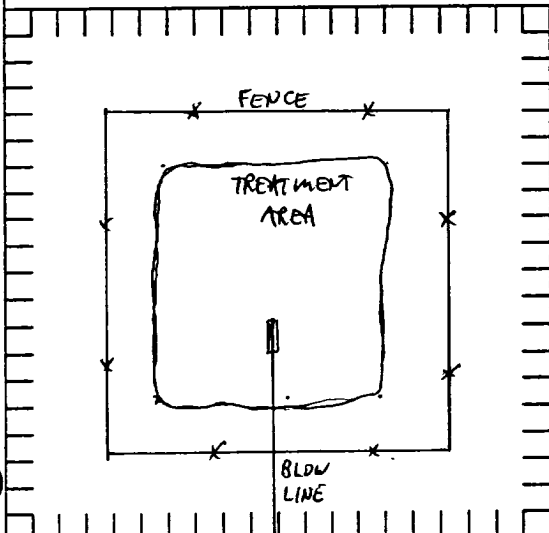
PIT PERIMETER

SCALE

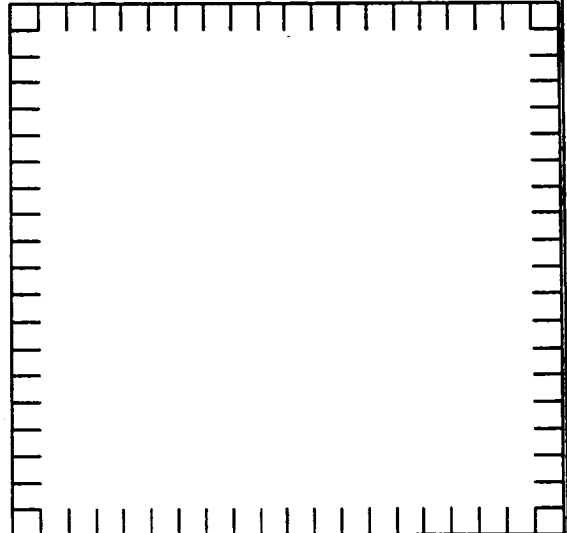
11/11/2016

0 FEET

PIT PROFILE



SAMPLE RESULTS

[illegible]

TRAVEL NOTES: CALLOUT: 10-26-92 ONSITE: 10-26-92 1300 Hours

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80117</u> C.D.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: HEATH GC WELL #: G1 PIT: BLOW	DATE STARTED: 10/11/94
QUAD/UNIT: N SEC: 8 TWP: 24N RNG: 9W PM: NM CNTY: ST NM	DATE FINISHED: _____
QTR/FOOTAGE: SE/4 SW/4 CONTRACTOR: P. VELASQUEZ	ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 39 FT. x 42 FT. x 6 FT. DEEP. CUBIC YARDAGE: 180
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: _____
LAND USE: RANGE LEASE: SF-076337 FORMATION: OK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 110 FT. N42E FROM WELLHEAD.
DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOC DRANKING SCORE: 10 NMOC DRANKING STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:

DK. YELL. ORANGE SAND, NON-COHESIVE, DRY TO SLIGHTLY MOIST, FIRM TO DENSE, NO APPARENT HC ODOR.

CHECK ONE :

PIT ABANDONED

STEEL TANK INSTALLED

CLOSED

SCALE

0 FT

PIT PERIMETER

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1345	②e4'	TPH-1184	5	20	1:1	5	ND

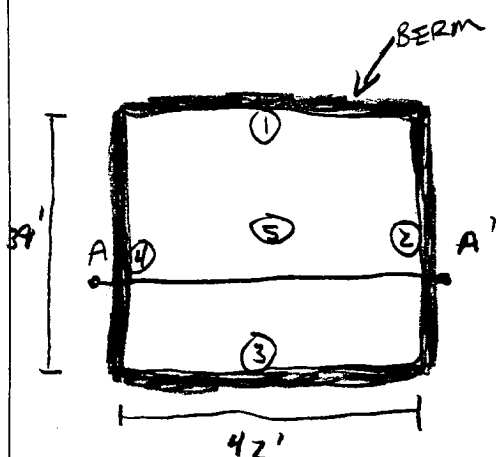
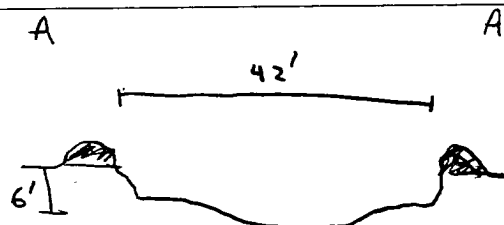
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 0 4'	0.0
2 0 4'	1.3
3 0 3'	0.0
4 0 3'	0.0
5 0 7'	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES: CALLOUT: 10/11/94 ONSITE: 10/11/94

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: 2 @ 4'
Project Location: Heath GC G 1
Laboratory Number: TPH-1184

Project #:
Date Analyzed: 10-12-94
Date Reported: 10-12-94
Sample Matrix: Soil

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

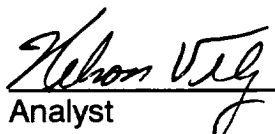
ND = Not Detectable at stated detection limits.

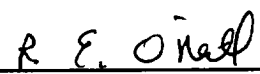
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	4020	4220	4.85

*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 - B0117


Analyst


Review

CLIENT: BPBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80117C.O.C. NO: 8415

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: HEATH GC G WELL #: 1 PITS: BLOW SEP
QUAD/UNIT: N SEC: 8 TWP: 29N RNG: 9W PM: NM CNTY: ST ST: NM
QTR/FOOTAGE: SE/SW CONTRACTOR: P+SDATE STARTED: 6/11/01

DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

455REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 455LAND USE: RANGE - BLM SF 076337LIFT DEPTH (ft): 1-1.5

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: <1000' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOC D RANKING SCORE: 10 NMOC D TPH CLOSURE STD: 1000 PPM P.C. - 10/11/94

OK. YEL. ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, LOOSE TO FIRM, NO APPARENT
DISCOLORATION/STAINING OBSERVED OR HC ODOOR DETECTED @ ANY OF THE SAMPLE PTS.
OR DUM SAMPLE, SAMPLE DEPTHS RANGED FROM 8"-18", 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. 52.5 ppm
TIME: 0715 (am) pm 6/11/01

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.6	LF-1	TPH (8015)	1045	ND

SCALE



0 FT

TRAVEL NOTES: CALLOUT: N/AONSITE: 6/11/01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

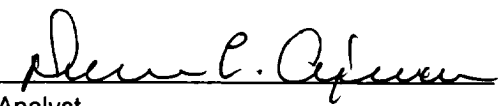
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	06-13-01
Laboratory Number:	20011	Date Sampled:	06-11-01
Chain of Custody No:	8415	Date Received:	06-12-01
Sample Matrix:	Soil	Date Extracted:	06-13-01
Preservative:	Cool	Date Analyzed:	06-13-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

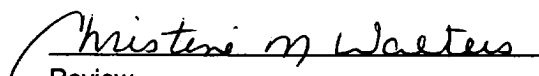
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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 GC Lease G #1 Landfarm 5 Pt. Composite.


Analyst


Review

CHAIN OF CUSTODY RECORD

08415

Client / Project Name <i>BINGG/ BP</i>		Project Location <i>LANDFARM</i>		ANALYSIS / PARAMETERS																					
Sampler: <i>NJV</i>		Client No. <i>94034-010</i>		Sample Matrix		No. of Containers <i>TPH (3015)</i>						Remarks													
Sample No./ Identification	Sample Date	Sample Time	Lab Number																						
<i>LF-1</i>	<i>6/11/01</i>	<i>0745</i>	<i>20010</i>	<i>501L</i>	<i>1</i>	<i>✓</i>							<i>ALL SAMPLES</i>												
<i>LF-1</i>	<i>6/11/01</i>	<i>1045</i>	<i>20011</i>	<i>501L</i>	<i>1</i>	<i>✓</i>							<i>PRESERVED COOL</i>												
<i>LF-1</i>	<i>6/11/01</i>	<i>0845</i>	<i>20012</i>	<i>501L</i>	<i>1</i>	<i>✓</i>							<i>HEATH GC D #1</i>												
<i>LF-1</i>	<i>6/11/01</i>	<i>0945</i>	<i>20013</i>	<i>501L</i>	<i>1</i>	<i>✓</i>							<i>HEATH GC G #1</i>												
													<i>HEATH GC H #1</i>												
													<i>HEATH GC D #1A</i>												
													<i>ALL SAMPLES</i>												
													<i>5 PT. COMPOSITES</i>												
Relinquished by: (Signature) <i>[Signature]</i>		Date <i>6/12/01</i>	Time <i>0710</i>	Received by: (Signature) <i>[Signature]</i>		Date <i>6-12-01</i>		Time <i>0710</i>																	
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 <table border="1"> <tr> <td>Y</td> <td>N</td> <td>N/A</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">Received Intact</td> </tr> <tr> <td colspan="3">Cool - Ice/Blue Ice</td> </tr> </table>				Y	N	N/A				Received Intact			Cool - Ice/Blue Ice		
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