

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

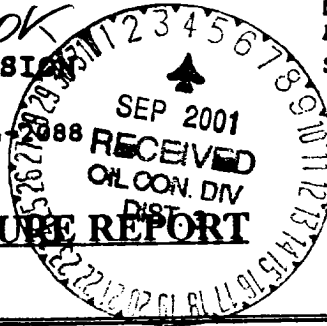
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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 DIA
Well Name
Location: Unit or Qtr/Qtr Sec F Sec 8 T 29 N R 9 W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM , State , Fee , Other COM. AGMT.

Pit Location: Pit dimensions: length 29', width 28', depth 10'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 150
Direction from reference: 81 Degrees East North
X West of South X

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) 0

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) 10
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 7/8/94

Remediation Method: Excavation ☒ Approx. cubic yards 300
(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 12-13-94

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 10'

Sample date 7/8/94 Sample time 0840

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 2.0

TPH 82 ppm

Ground 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 BELIEF

DATE 7/8/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

RESULTS GIVEN TO BOB MCCOY 7/8/94 giv

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80014</u> C.D.C. NO: <u>-</u>
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: HEATH GC	WELL #: DIA	PIT: Blow	DATE STARTED: 7/6/94
QUAD/UNIT: F SEC: 8	TWP: 29N	RNG: 4W PM: Nm	CNTY: SJ ST: NM
QTR/FOOTAGE: SW1/4 NW1/4	CONTRACTOR: P. VELASQUEZ		ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION: EXCAVATION APPROX. 29 FT. x 28 FT. x 10 FT. DEEP.
DISPOSAL FACILITY: LANDFARMED ON-SITE CUBIC YARDAGE: 300
LAND USE: RANGE LEASE: FED LSE 076337

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 150 FEET 581 W FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: <1000
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM FORMATION: MV

SOIL AND EXCAVATION DESCRIPTION:

DR. YELL. BROWN SILTY CLAY SLIGHTLY PLASTIC, SLIGHTLY MOIST,
FIRM TO STIFF, NO APPARENT HC ODOR.

FIELD 418.1 CALCULATIONS

FIELD 418.1 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
⑤ @ 10'	TPH-1011	10	20	1:1	41	82

SCALE

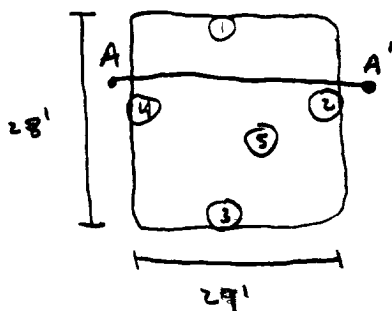
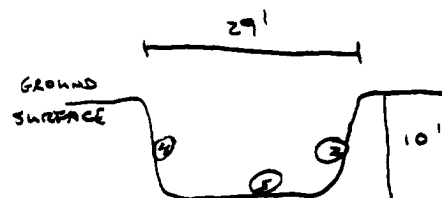


0 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE

[illegible]

TRAVEL NOTES: CALLOUT: 7/6/94 ONSITE: 7/8/94

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: 5 @ 10'
Project Location: Heath GC D 1 A
Laboratory Number: TPH-1011

Project #:
Date Analyzed: 7-08-94
Date Reported: 7-08-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	82	10

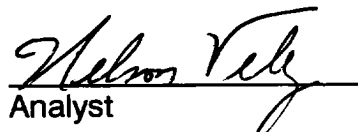
ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	692	630	9.38

*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 80014


Analyst


Review

CLIENT: BPBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80014C.O.C. NO: 8415

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: HEATH GC D WELL #: 1A PITS: BLOW, SEP.DATE STARTED: 6/11/01QUAD/UNIT: F SEC: 8 TWP: 29N RNG: 9W PM: NM CNTY: SJ ST: NM

DATE FINISHED: _____

QTR/FOOTAGE: _____ SELW CONTRACTOR: PJSENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

730

REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 320LAND USE: RANGE - BLM SF-076337LIFT DEPTH (ft): 1

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 P.C. - 7/8/94

PALE YEL. BROWN TO OK. YEL. ORANGE SAND, NON COHESIVE, DRY TO SLIGHTLY MOIST, LOOSE TO DENSE, NO APPARENT DISCOLORATION/STAINING OBSERVED OR HC DOOR DETECTED @ ANY OF THE SAMPLE PTS. OR OVM SAMPLE SAMPLING DEPTHS RANGED FROM 4" - 8", COLLECTED 5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

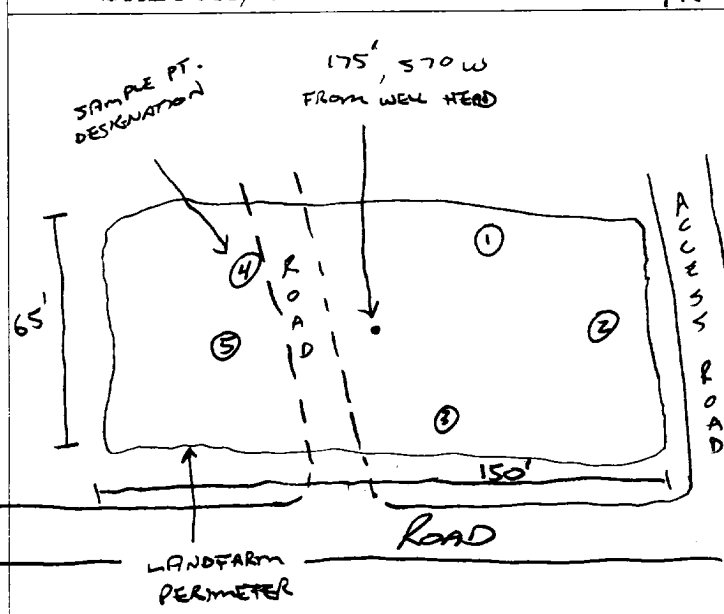
CLOSEDAN ESTIMATED 360 CUBIC YARDS DISPOSED @ ADJACENT HEATH GC H #1.

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 @ pm 6/11/01

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.8	LF-1	TPH (8215)	0945	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:	20013	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

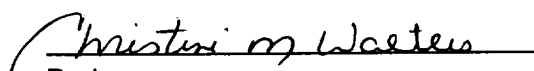
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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 D #1A Landfarm 5 Pt. Composite.


Analyst


Review

08415

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615