

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
OK - 12/14/01
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

80149
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: STATE GC AIR
Well Name
Location: Unit or Qtr/Qtr Sec H Sec 16 T 24N R 9W County SAN JUAN
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: BLM ☐ State ☒ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 18', width 18', depth 9'
(Attach diagram) Reference: wellhead ☒, other ☐
Footage from reference: 150'
Direction from reference: 0 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) 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)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 11/3/94Remediation Method: Excavation ☒ Approx. cubic yards 60
(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, BEDROCK BOTTOM. ^{2V}n moco letter correspondence 12-4-96Ground Water Encountered: No ☒ Yes _____ Depth _____Final Pit: Sample location see Attached DocumentsClosure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth 5'
Sample date 11/3/94 Sample time 0920

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 95.4TPH 3,120 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 BELIEF

DATE 11/3/94SIGNATURE B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
Environmental Coordinator

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80149</u> C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: STATE GC WELL #: AIR PIT: SEP
QUAD/UNIT: H SEC: 16 TWP: 29N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: SE/4 NE/4 CONTRACTOR: P. VELASQUEZ

DATE STARTED: 11/3/94
DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: NV

EXCAVATION APPROX. 18 FT. x 18 FT. x 9 FT. DEEP. CUBIC YARDAGE: 60
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LAND FARMED
LAND USE: RANGE LEASE: _____ FORMATION: mv

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>150</u> FT. <u>ONE NORTH</u> FROM WELLHEAD.
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FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY _____ FT. _____ IN. _____

DEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: 21000' NEAREST SURFACE WATER: 21000'

NMOC Ranking Score: 0 NMOC TPH Closure Std: 5000 PPM

CHECK ONE :

PIT ABANDONED

✓ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

BEDROCK ENCOUNTERED @ VARIOUS DEPTHS ON SIDEWALLS. OVERBURN
SOIL CONSIST OF MOSTLY MOD. YELL. BROWN SAND, NON-COHESIVE, SLIGHTLY
MOIST, FIRM TO DENSE.

BEDROCK
BOTTOM

CLOSED

SCALE

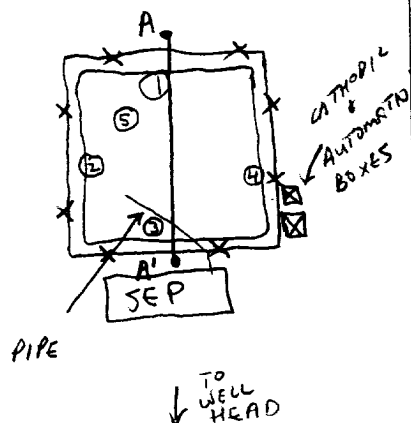
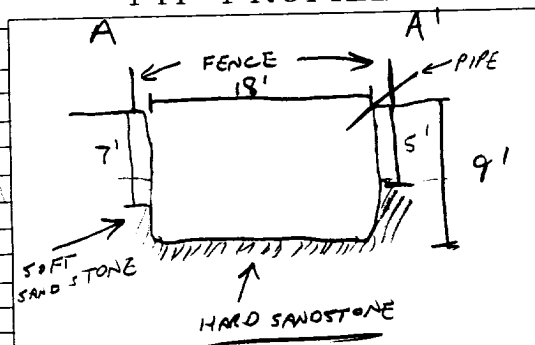
0 FT

FIELD 418.1 CALCULATIONS

FIELD 418.1 CALCULATIONS							
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0920	2051	1257	5	20	10:1	78	3,120

PIT PERIMETER $\uparrow$ N OVM RESULTS

PIT PROFILE

[illegible]

TRAVEL NOTES: CALLOUT: 11/2/94 ONSITE: 11/3/94

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 @ 5'
Project Location: State GC A 1 R
Laboratory Number: TPH-1257

Project #:
Date Analyzed: 11-03-94
Date Reported: 11-03-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	3,100	200

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	568	464	20.16

*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 - B0149

Nelson Velly
Analyst

R. E. O'Neill
Review

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80149C.D.C. NO: 5670

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: STATE GC A WELL #: 1R PITS: SEP, 1997
QUAD/UNIT: H SEC: 16 TWP: 29N RNG: 9W PM: NM CNTY: ST NM
QTR/FOOTAGE: SE 1/4 NE 1/4 CONTRACTOR: P & SDATE STARTED: 1/21/98
DATE FINISHED: _____ENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARMEDAPPROX. CUBIC YARDAGE: 60LAND USE: RANGELIFT DEPTH (ft): 6"-24"

FIELD NOTES & REMARKS:

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

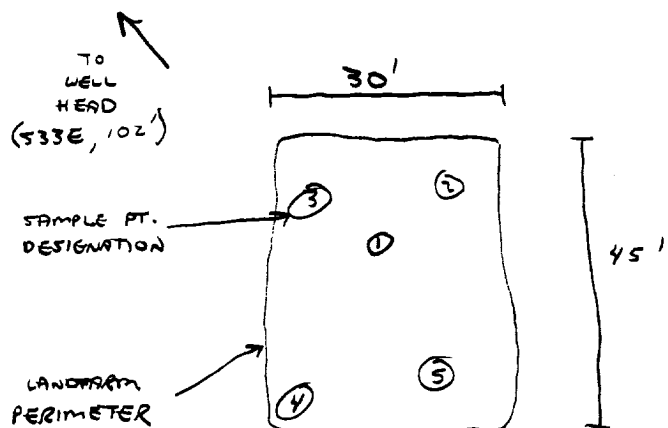
SOIL SPREAD OUT AS SHOWN BELOW IN 12"-24" MOUNDS, SOIL CONSIST OF MOSTLY DR. YELL. BROWN SAND TO OLIVE GRAY SILTY SAND NON COHESIVE, SLIGHTLY MOIST, FIRM TO STIFF, SOME SANDSTONE FRAGMENTS, NO APPARENT HC ODOR OBSERVED w/in OVM SAMPLE.

CLOSED

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (8015)	1230	1.3

SCALE



0 FT

TRAVEL NOTES:

CALLOUT: 1/21/98-MORN.ONSITE: 1/21/98-AFTER.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

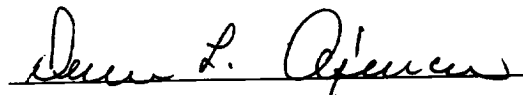
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	01-22-98
Laboratory Number:	C821	Date Sampled:	01-21-98
Chain of Custody No:	5670	Date Received:	01-21-98
Sample Matrix:	Soil	Date Extracted:	01-21-98
Preservative:	Cool	Date Analyzed:	01-22-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

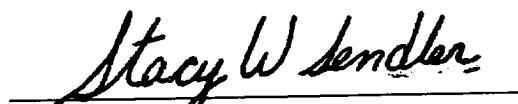
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	1.3	0.1
Total Petroleum Hydrocarbons	1.3	0.2

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: **State GC A #1R Landfarm. 5 Pt. Composite.**


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name		Project Location		ANALYSIS/PARAMETERS											
BLASS/Amoco		LANDFARM													
Sampler: (Signature)		STATE GC A #18													
Chain of Custody Tape No.		04034-10													
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (BOL)									Remarks
LF-1	1/21/98	1230	C821	SOIL	1	✓									PRESERV. - COOL
															5 PT. COMPOSITE
				SAMPLE RECEIVED											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time					
John Vely		1/21/98		1358		John D. Cepres		1-21-98		1358					
Relinquished by: (Signature)						Received by: (Signature)									
Relinquished by: (Signature)						Received by: (Signature)									
Relinquished by: (Signature)						Received by: (Signature)									

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80149</u> C.O.C. NO: <u>8414</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>STATE GC A</u> WELL #: <u>1R</u> PITS: <u>SEP.</u> QUAD/UNIT: <u>4</u> SEC: <u>16</u> TWP: <u>29N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> DTR/FOOTAGE: _____ SEINE CONTRACTOR: <u>P & S</u>	DATE STARTED: <u>6/7/01</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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SOIL REMEDIATION:

REMEDIATION SYSTEM: <u>LANDFARM</u>	APPROX. CUBIC YARDAGE: <u>60</u>
LAND USE: <u>RANGE - STATE USE</u>	LIFT DEPTH (ft): <u>1.5-2</u>

FIELD NOTES & REMARKS:

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

NMOCB RANKING SCORE: 10 NMOCB TPH CLOSURE STD: 1000 PPM

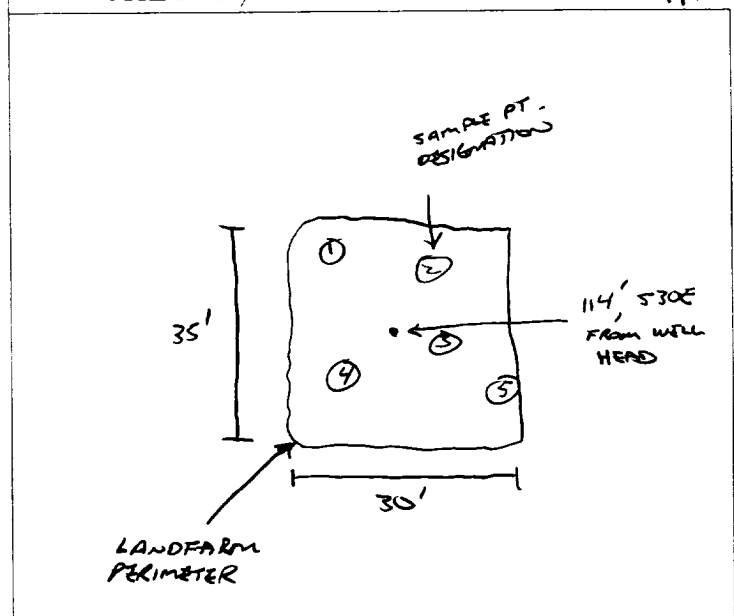
PALE TO DK. YELL. BROWN SAND WITH SOME SANDSTONE FRAGMENTS, NON COHESIVE, SLIGHTLY MOIST TO MOIST, FIRM TO LOOSE, SMALL PATCHES OF STAINING OBSERVED (SAMPLE PTS. ① & ③ COLLECTED FROM STAINED AREAS) VERY FAINT HL BOOR DETECTED @ SAMPLE PTS. ① & ③ SAMPLE DEPTHS RANGED FROM 8"-18", COLLECTED 5 FT. COMPOSITE 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

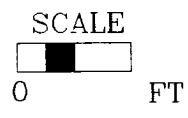


OVM CALIB. READ. 52.9 ppm
 TIME: 0955 am 6/7/01

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	1.7	LF-1	TPH (8015)	1115	NB



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

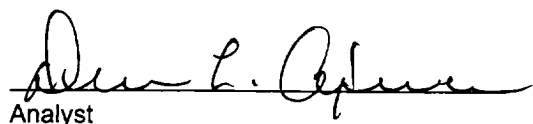
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	06-11-01
Laboratory Number:	19996	Date Sampled:	06-07-01
Chain of Custody No:	8414	Date Received:	06-07-01
Sample Matrix:	Soil	Date Extracted:	06-08-01
Preservative:	Cool	Date Analyzed:	06-11-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

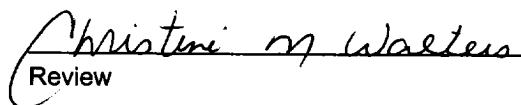
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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: **State GC A #1R Landfarm 5 Pt. Composite.**


Analyst


Review

08414

[illegible]