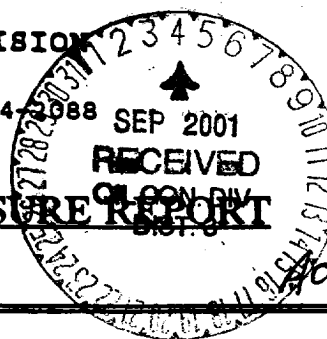


District I
O. Box 1980, Hobbs, NM
District II
O. Drawer DD, Artesia, NM 88211
District III
O. 10000 Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

OK
12/12/01
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: Gartner LS 7A
Well Name

Location: Unit or Qtr/Qtr Sec F Sec 26 T 30N R 8W County San Juan

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other COM. AGMT.

Pit Location: Pit dimensions: length 18', width 13', depth 20'
(attach diagram)

Reference: wellhead ☒, other ☐

Footage from reference: 100

Direction from reference: 80 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) 20

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): 20

Date Remediation Started: _____

Date Completed: 6/17/94

Remediation Method: Excavation ☒
(Check all appropriate sections)

Landfarmed ☒

Approx. cubic yards 173

Insitu Bioremediation _____

Other _____

Remediation Location: _____

(ie. landfarmed onsite, name and location of offsite facility)

Onsite ☒ Offsite _____

General Description Of Remedial Action: _____

Excavation

nmocd letter correspondence

12-18-94

Ground Water Encountered: _____

No ☒

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 23'

Sample date 6/17/94

Sample time 1300

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 39

TPH 510 ppm

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 6/20/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

called Earl 7/6/94 + 7/14/94 AEO

A0060

CLIENT: Amoco

ENVIROTECH Inc.

PIT NO: 92140

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

C.E.C. NO: 3754

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140

PAGE No: 1 of 1

LOCATION: NAME: Gartner LS WELL #: 7A PIT: SEP
QUAD/UNIT: F SEC: 26 TWP: 30N RNG: 4W BM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1830 FNL 1460 FNL CONTRACTOR: Moss

DATE STARTED: 6/17/94
DATE FINISHED: 6/17/94

ENVIRONMENTAL SPECIALIST: Tom Harrison

SOIL REMEDIATION: EXCAVATION APPROX. 16 FT. x 13 FT. x 20 FT. DEEP.
DISPOSAL FACILITY: Landfarm onsite CUBIC YARDAGE: 173
LAND USE: Range LEASE: SF-080597 Elev. 5907

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 100' FEET S80°E FROM WELLHEAD.
DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOC D RANKING SCORE: 20 NMOC D TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

- brown silty sand, slightly moist
- can't excavate further east due to electric line & tank
- excavated deeper & collected (5) @ 23'
- sent sample to lab for TPH (418.1) analysis
- sample collected @ 13:00

FIELD 418.1 CALCULATIONS

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

SCALE



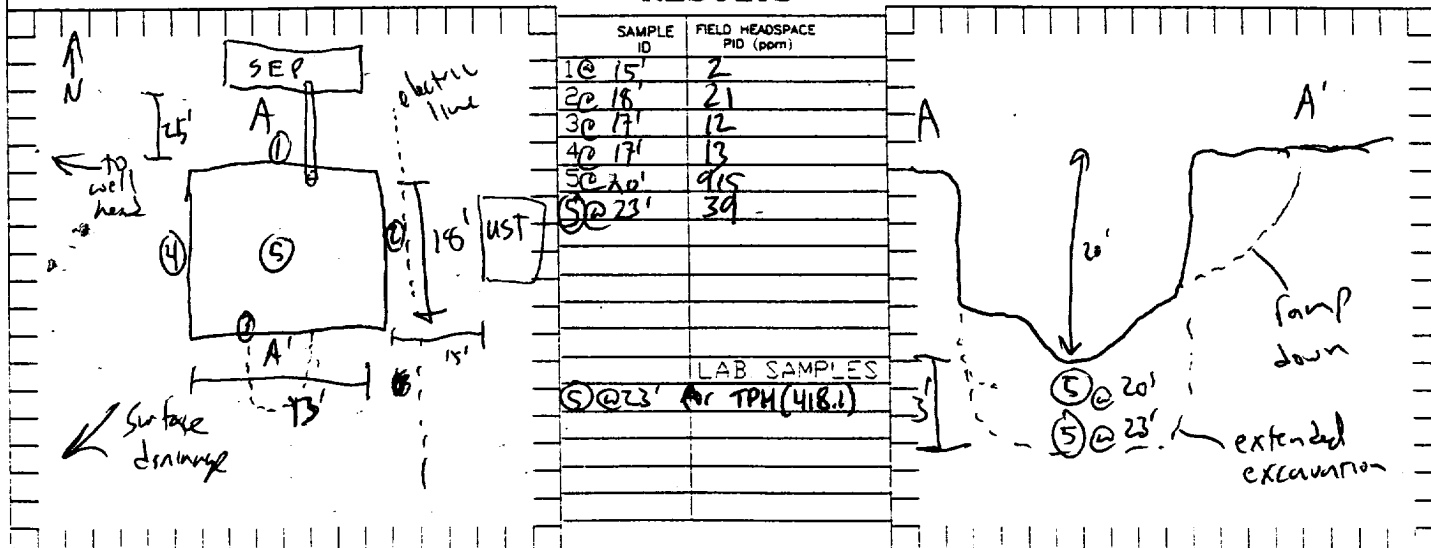
0

FEET

PIT PERIMETER

OVM RESULTS

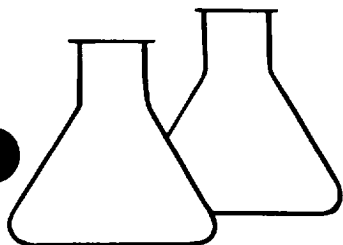
PIT PROFILE



TRAVEL NOTES:

CALLOUT: 6/16/94

ONSITE: 6/17/94



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

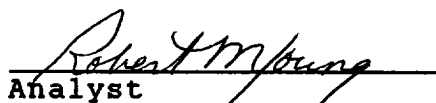
Client:	Amoco	Project #:	92140
Sample ID:	5 @ 23'	Date Sampled:	06-17-94
Laboratory Number:	7616	Date Received:	06-17-94
Sample Matrix:	Soil	Date Analyzed:	06-25-94
Preservative:	Cool	Date Reported:	06-30-94
Condition:	Cool and Intact	Analysis Needed:	TPH

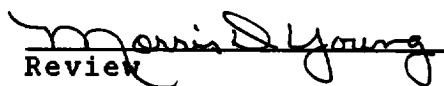
Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	510	25.0

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: Gartner LS #7A Separator Pit A0060


Analyst


Review

CHAIN OF CUSTODY RECORD

[illegible]

San Juan Puerto Rico Form 570-1

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>A0060</u> <u>9281</u> C.D.C. NO: <u>ANIAS</u>
----------------------	--	---

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: <u>GARTNER LS 7A</u>	LEASE: <u>SF 080597</u>	DATE STARTED: <u>5-2-96</u>
QUAD/UNIT: <u>F SEC: 26 TWP: 30N RNG: 8W BM: NM CNTY: SJ ST: NM</u>		DATE FINISHED: _____
QTR/FOOTAGE: <u>1830' FNL, 1460' FNL</u>	CONTRACTOR: <u>MOSS</u>	ENVIRONMENTAL SPECIALIST: <u>REO</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: 173

LAND USE: RANGE

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMDCD RANKING SCORE: 20 NMDCD TPH CLOSURE STD: 100 PPM

SOIL CONSISTS OF MOIST → DRY SANDY SILT. NO STAIN, NO ODOR.

2ND SAMPLE EVENT CONDUCTED ON 7/18/01 BY NV. SOIL SINCE INITIAL SAMPLE EVENT HAS BEEN PARTLY COMPOSTED (APPROX. 40 C.Y.) & USED FOR BERM MATERIAL & WELL PAD PERIMETER TO THE NORTH & EAST. COLLECTED 5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS FROM COMPOSTED PORTION ONLY (LOCATED ONE EAST OF SEPARATOR UNIT IN AN ISOLATED PILE.

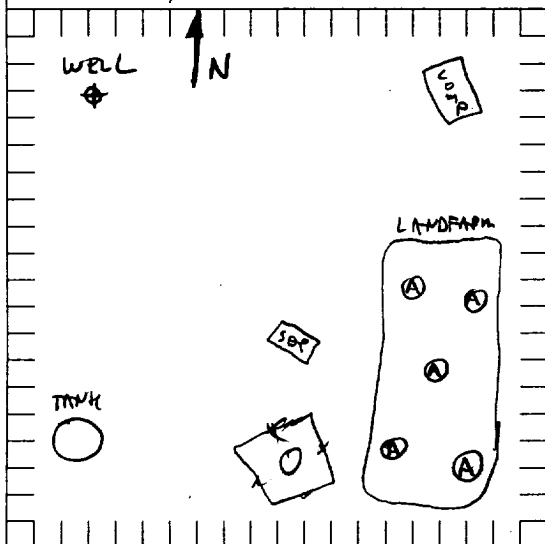
FIELD 418.1 CALCULATIONS

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

OPEN

CLOSED

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
COMP. A	0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
COMP. A	8015	0825	245
COMP. B	TPH (8015)	1145	ND

SCALE



TRAVEL NOTES:

CALLOUT: _____ ONSITE: 5-2-96 0820

TOTAL VOLATILE PETROLEUM HYDROCARBONS**Gasoline Range Organics****Blagg Engineering, Inc.**

Project ID: Gartner LS 7A
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 05/20/96
Date Sampled: 05/02/96
Date Received: 05/02/96
Date Extracted: 05/16/96
Date Analyzed: 05/16/96

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Comp. A	3314	ND	20.1

ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	97%	50 - 150%

Reference: Method for the Determination of Gasoline Range Organics,
State of Tennessee, Department of Environment and Conservation, Division
of Underground Storage Tanks.

Comments:


Analyst


Review

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Diesel Range Organics

Blagg Engineering, Inc.

Project ID: Gartner LS 7A
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 05/20/96
Date Sampled: 05/02/96
Date Received: 05/02/96
Date Extracted: 05/16/96
Date Analyzed: 05/17/96

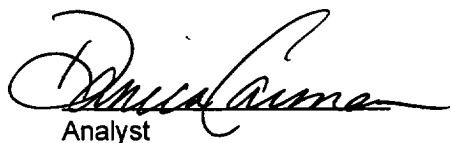
Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Comp. A	3314	245	19.8

ND- Analyte not detected at the stated detection limit.

Quality Control: Surrogate % Recovery Acceptance Limits
 o - Terphenyl 90% 50 - 150%

Reference: EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas Chromatography." Test Methods for Evaluating Solid Waste. Physical/ Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments:


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

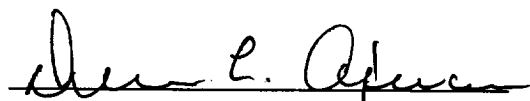
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Comp. B	Date Reported:	07-20-01
Laboratory Number:	20421	Date Sampled:	07-18-01
Chain of Custody No:	9281	Date Received:	07-18-01
Sample Matrix:	Soil	Date Extracted:	07-18-01
Preservative:	Cool	Date Analyzed:	07-20-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

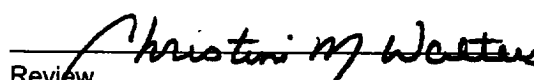
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Gartner LS #7A Compost Pile 5 Pt. Composite.**


Analyst


Review

09281

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