

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
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

SEP-24
CONV-24
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OCT - 7 1999

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: C.M. Morris B #1
Well Name
Location: Unit or Qtr/Qtr Sec D Sec 15 T22N R 10W County San Juan
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 15, width 20, depth 8
(attach diagram) Reference: wellhead ☒ other ☐
Footage from reference: 50'
Direction from reference: 90 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) 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)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____

Date Completed: 6 Aug 1994

Remediation Method: Excavation ☒
(Check all appropriate sections)

Approx. cubic yards 89

Landfarmed ☒

Insitu Bioremediation _____

Other _____

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

Onsite ☒ Offsite _____

General Description Of Remedial Action: _____

Excavation

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 8'

Sample date 6 Aug 1994

Sample time _____

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 1.3

TPH ND

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 6 Aug 1994

SIGNATURE

B.D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

Date Remediation Started: _____ Date Completed: 6 Aug 1994

Remediation Method: Excavation ☒ Approx. cubic yards 89
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

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 8'

Sample date 6 Aug 1994 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 1.3

TPH ND

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 6 Aug 1994
SIGNATURE B.D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

42

PIT NO: A0092

C.M.C. NO. 3836

JCE No: 9240

PAGE No: 1 of 1

DATE STARTED:

DATE FINISHED: 6 Aug 94

ENVIRONMENTAL
SPECIALIST: _____

QTR/FOOTAGE: NW/4 NW/4 CONTRACTOR: - EPC

DISPOSAL FACILITY: LANDFARM- ON SITE CUBIC YARDAGE: 89

LAND USE: RANGE BLM LEASE: SF-079596

DEPTH TO GROUNDWATER: 50 < 64 < 100 NEAREST WATER SOURCE: > 1000 NEAREST SURFACE WATER: > 1000

NMCCD RANKING SCORE: 10 NMCCD TPH CLOSURE STD: 1000 ppm

SOIL AND EXCAVATION DESCRIPTION: Soil is yellow-brown, slightly moist,
silty sand.

5-6-96 NO SOIL ON LOCATION

SAMPLE I.D.	LAE No:	WEIGHT (g)	mL. FRESH DILUTION	READING	CALC. ppm

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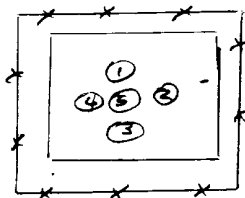
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FEET

PIT PERIMETER

OVM RESULTS

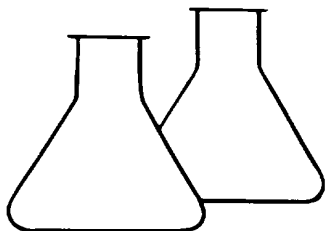
PIT PROFILE



70
Well
Here

[illegible]

SECRET



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:	508'	Date Sampled:	07-28-94
Laboratory Number:	7768	Date Received:	07-28-94
Sample Matrix:	Soil	Date Analyzed:	08-09-94
Preservative:	Cool	Date Reported:	08-09-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	ND	30.0

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: CM MORRIS B #1 ABND SEP PIT A0092

Rex L Griffin
Analyst

Marion Young
Review

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

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Energy, Minerals and Natural Resources Department

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

PIT REMEDIATION AND CLOSURE REPORT

Pit # A0092

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: C.M. Morris B #1
Well Name
Location: Unit or Qtr/Qtr Sec D Sec 15 T27N R 10W County San Juan
Pit Type: Separator Dehydrator Other COMPRESSOR
Land Type: BLM State Fee Other

Pit Location: Pit dimensions: length 15, width 15, depth 6
(attach diagram) Reference: wellhead ✓, other
Footage from reference: 110'
Direction from reference: 60 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) 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)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 6 Aug 1994

Remediation Method: Excavation ☒ Approx. cubic yards 50
(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

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 6'

Sample date 6 Aug 1994 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 2.5

TPH ND

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 6 Aug 1994

SIGNATURE Buddy D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

Date Remediation Started: _____ Date Completed: 6 Aug 1994

Remediation Method: Excavation ☒ Approx. cubic yards 50
Check all appropriate (tick all appropriate conditions) Landfarmed ☒ Insitu Bioremediation _____
Other _____

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

General Description Of Remedial Action: _____

Excavation

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 6'

Sample date 6 Aug 1994 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 2.5

TPH ND

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 6 Aug 1994

SIGNATURE B.D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

JPH- Passed

CLIENT: Amoco ENVIROTECH Inc. PIT NO: A0092
 5796 US HWY. 64, FARMINGTON, NM 87401 CERC NO: 3836
 (505) 632-0615

FIELD REPORT: CLOSURE VERIFICATION
 JOB No: 92140
 PAGE No: 1 of 1
 LOCATION: NAME: C.M. MORRIS B WELL #: 1 PIT: COMP
 QUAD/UNIT: D SEC: 15 TWP: 27N RNG: 16W BM: N4 CNTY: SI ST: NM
 QTR/FOOTAGE: NW/4 NW/4 CONTRACTOR: EPC
 DATE STARTED: 6 Aug 94
 DATE FINISHED: 6 Aug 94
 ENVIRONMENTAL SPECIALIST:

SOIL REMEDIATION: EXCAVATION APPROX. 15 FT. x 15 FT. x 6 FT. DEEP.
 DISPOSAL FACILITY: Land Farm on site CUBIC YARDAGE: 50
 LAND USE: Range - BLM LEASE: SF-079596

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 110 FEET 60° W. N. FROM WELLHEAD.
 DEPTH TO GROUNDWATER: 50 GWS NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000
 NMCCD RANKING SCORE: 10 NMCCD TPH CLOSURE STD: 1000 ppm

SOIL AND EXCAVATION DESCRIPTION: Soil is yellow-brown, silty sand, slightly moist from 0-5'
5'-6' gray-brown clay (shale)

S-6-96 NO SOIL ON LOCATION

FIELD 418.1 CALCULATIONS

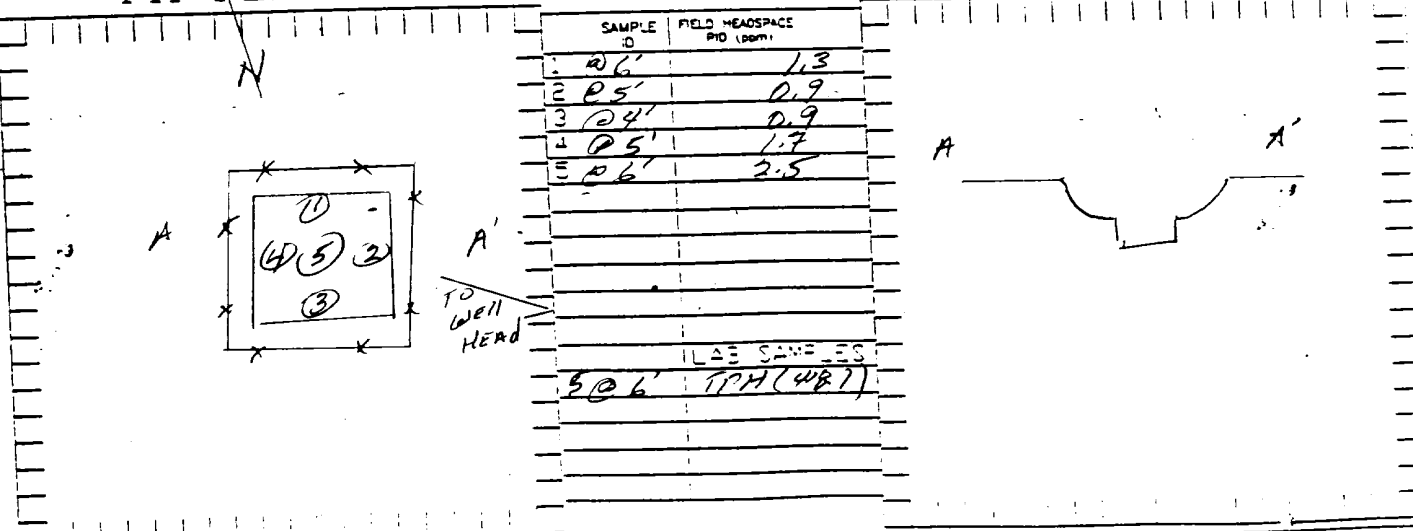
SAMPLE I.D.	LAB No:	WEIGHT (g)	ML. FRESH DILUTION	READING	CALC. ppm



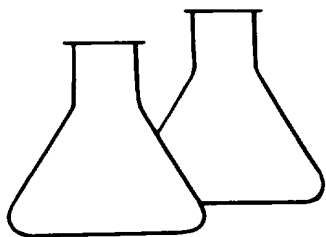
PIT PERIMETER

OVM RESULTS

PIT PROFILE



TRAVEL NOTES



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:	506'	Date Sampled:	07-28-94
Laboratory Number:	7767	Date Received:	07-28-94
Sample Matrix:	Soil	Date Analyzed:	08-09-94
Preservative:	Cool	Date Reported:	08-09-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	ND	30.0

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: CM MORRIS B #1 COMP PIT A0092

Rey L. Haffin
Analyst

Morris D. Young
Review

3836

[illegible]

San Juan Repro Form 57B 01

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: A0092C.D.C. NO: 5769

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: MORRIS, C.M. WELL #: 1 PITS: SEP, COMPR.DATE STARTED: 5/5/98

DATE FINISHED: _____

QUAD/UNIT: D SEC: 15 TWP: 27N RNG: 10W PM: NM CNTY: ST ST: NMENVIRONMENTAL SPECIALIST: NVQTR/FOOTAGE: NW1/4 NW1/4CONTRACTOR: EPC

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARMEDAPPROX. CUBIC YARDAGE: 139LAND USE: RANGELIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

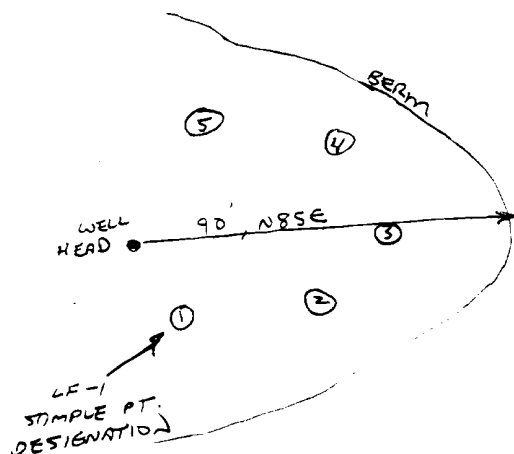
DEPTH TO GROUNDWATER: <100 NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOCED RANKING SCORE: 10 NMOCED TPH CLOSURE STD: 1000 PPM

SOIL MOSTLY MOD. TO DR. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, BLACK DISCOLORATION W/ NO APPARENT HC ODOOR OBSERVED IN SAMPLE PTS. ③ & ④, COLLECTED 5 PT. COMPOSITE FOR LAB ANALYSIS.

UNCERTAIN IF AREA SAMPLED WAS APPARENT LANDFARMED MATERIAL.

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)	1135	0.4

SCALE



0 FT

TRAVEL NOTES:

CALLOUT: NAONSITE: 5/5/98

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

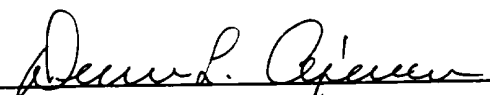
Client:	Blagg / Amoco	Project #:	98028-1
Sample ID:	LF - 1	Date Reported:	05-06-98
Laboratory Number:	D228	Date Sampled:	05-05-98
Chain of Custody No:	5769	Date Received:	05-05-98
Sample Matrix:	Soil	Date Extracted:	05-06-98
Preservative:	Cool	Date Analyzed:	05-06-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

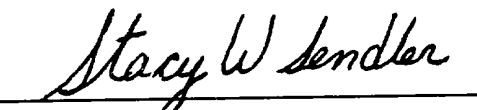
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.2	0.2
Diesel Range (C10 - C28)	0.2	0.1
Total Petroleum Hydrocarbons	0.4	0.2

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: **Morris, C. M. B #1 Landfarm. 5 Pt. Composite.**


Analyst


Review

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615