

Date Remediation Started: _____ Date Completed: 8/23/94

Remediation Method: Excavation ☒ Approx. cubic yards 10
(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 2'
Sample date 8/23/94 Sample time 0855

Sample Results

Benzene(ppm) _____
Total BTEX(ppm) _____
Field headspace(ppm) 4.8
TPH 44 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 8/23/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

Date Remediation Started: _____

Date Completed: 8/23/94

mediation Method: Excavation ☒
(Check all appropriate sections) Landfarmed ☒

Approx. cubic yards 10

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 2'

Sample date 8/23/94

Sample time 0855

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 4.8

TPH 44 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 8/23/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B0059</u> C.D.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>SCHWERTFEGGER</u> WELL #: <u>A/E</u> PIT: <u>BLOW</u>		DATE STARTED: <u>8/23/94</u> DATE FINISHED: <u>8/23/94</u>
QUAD/UNIT: <u>L</u> SEC: <u>36</u> TWP: <u>28N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>		ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>1750' FSL</u> <u>990' FWL</u> CONTRACTOR: _____		

SOIL REMEDIATION: EXCAVATION APPROX. <u>12</u> FT. x <u>11</u> FT. x <u>4</u> FT. DEEP.
DISPOSAL FACILITY: <u>LANDFARMED ON-SITE</u> CUBIC YARDAGE: <u>10</u>
LAND USE: <u>RANGE</u> LEASE: <u>NONE ON SIGN</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>108</u> FEET <u>543E</u> FROM WELLHEAD.		
DEPTH TO GROUNDWATER: <u><100'</u>	NEAREST WATER SOURCE: <u>>1000'</u>	NEAREST SURFACE WATER: <u>>1000'</u>
NMDCD RANKING SCORE: <u>10</u>	NMDCD TPH CLOSURE STD: <u>1000</u> PPM	FORMATION: <u>DIC</u>

SOIL AND EXCAVATION DESCRIPTION:	DR. YELL. ORANGE TO MOD. YELL. BROWN SAND, NON-COHESIVE DRY TO SLIGHTLY MOIST, FIRM, NO APPARENT HC ODOR.
----------------------------------	--

FIELD 418.1 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0855 ②EZ'	TPH-1089	5	20	1:1	11	44

SCALE 0 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE

	<table border="1"> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> <tr><td>1EZ'</td><td>1.2</td></tr> <tr><td>2EZ'</td><td>4.8</td></tr> <tr><td>3EZ'</td><td>1.5</td></tr> <tr><td>4EZ'</td><td>1.2</td></tr> <tr><td>5ES'</td><td>1.2</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1EZ'	1.2	2EZ'	4.8	3EZ'	1.5	4EZ'	1.2	5ES'	1.2									
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	2EZ'	4.8																				
	3EZ'	1.5																				
	4EZ'	1.2																				
	5ES'	1.2																				

TRAVEL NOTES:	CALLOUT: <u>8/23/94</u>	ONSITE: <u>8/23/94</u>
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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 @ 2'
Project Location: Schwerdtfeger A 1 E
Laboratory Number: TPH-1089

Project #:
Date Analyzed: 8-23-94
Date Reported: 8-23-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	44	20

ND = Not Detectable at stated detection limits.

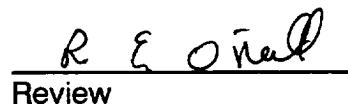
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	104	92	11.54

*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 - B0059


Analyst


Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Amoco

Project #:

Sample ID:

2 @ 2'

Date Analyzed:

8-23-94

Project Location:

Schwerdtfeger A 1 E

Date Reported:

8-23-94

Laboratory Number:

TPH-1089

Sample Matrix:

Soil

Sample Weight:

5.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

11 mg/kg

TPH Result:

44.0 mg/kg

Reported TPH Result:

44 mg/kg

Actual Detection Limit:

20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original
TPH mg/kg

Duplicate
TPH mg/kg

%
Diff.

104

92

11.54

Comments:

*****Max Characters*****

Comments:

Blow Pit - B0059

RANKING SCORE (TOTAL POINTS): 16

Date Remediation Started: _____

Date Completed: 8/23/94

Remediation Method: Excavation ☒
(Check all appropriate sections) Landfarmed ☒

Approx. cubic yards 30

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 5'

Sample date 8/23/94

Sample time 0910

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 4.0

TPH 56 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 8/23/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

Date Remediation Started: _____ Date Completed: 8/23/94

Remediation Method: Excavation ☒ Approx. cubic yards 30
(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:
Closure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 5'

Sample date 8/23/94 Sample time 0910

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 4.0

TPH 56 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 8/23/94

SIGNATURE Buddy D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

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 @ 5'
Project Location: Schwerdtfeger A 1 E
Laboratory Number: TPH-1090

Project #:
Date Analyzed: 8-23-94
Date Reported: 8-23-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	56	20


ND = Not Detectable at stated detection limits.


QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	104	92	11.54

*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: Dehydrator Pit - B0059


Analyst


Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Sample ID:

Project Location:

Laboratory Number:

Amoco

5 @ 5'

Schwerdtfeger A 1 E

TPH-1090

Project #:

Date Analyzed:

Date Reported:

Sample Matrix:

8-23-94

8-23-94

Soil

Sample Weight:

5.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

14 mg/kg

TPH Result:

56.0 mg/kg

Reported TPH Result:

56 mg/kg

Actual Detection Limit:

20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original
TPH mg/kg

104

Duplicate
TPH mg/kg

92

%
Diff.

11.54

Comments:

*****Max Characters*****

Comments:

Dehydrator Pit - B0059

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

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: SCHWEDTFEGER AIE
Well Name
Location: Unit or Qtr/Qtr Sec L sec 36 T28N R9W county SAN JUAN
Pit Type: Separator Dehydrator Other PRODUCTION TANK
Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 12', width 11', depth 12'
Attach diagram) Reference: wellhead X, other
Footage from reference: 110
Direction from reference: 50 Degrees East North
of X West 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) 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: 8/25/94

Remediation Method: Excavation ☒ Approx. cubic yards 40
(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 13'
Sample date 8/25/94 Sample time 0720

Sample Results

Benzene(ppm) _____
Total BTEX(ppm) _____
Field headspace(ppm) 3.8
TPH 24 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 8/25/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

Date Remediation Started: _____ Date Completed: 8/25/94

Remediation Method: Excavation ☒ Approx. cubic yards 40
(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:
Closure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 13'

Sample date 8/25/94 Sample time 0720

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 3.8

TPH 24 ppm

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


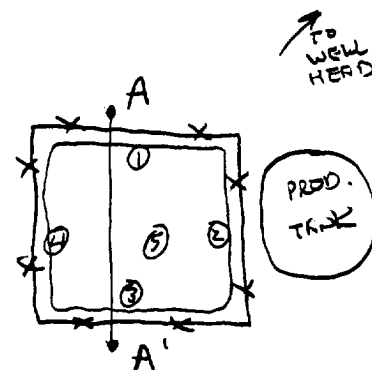

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DATE 8/25/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B0059</u> C.D.C. NO: _____																																
FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																
LOCATION: NAME: <u>SCHWEDTFEGGER</u> WELL #: <u>AIE</u> PIT: <u>PROD</u> QUAD/UNIT: <u>L</u> SEC: <u>36</u> TWP: <u>28N</u> RNG: <u>9W</u> PM: <u>Nm</u> CNTY: <u>ST. NM</u> QTR/FOOTAGE: <u>nw/4 sw/4</u> CONTRACTOR: <u>P. VELASQUEZ</u>		DATE STARTED: <u>8/25/94</u> DATE FINISHED: <u>8/25/94</u> ENVIRONMENTAL SPECIALIST: <u>NV</u>																																
SOIL REMEDIATION: EXCAVATION APPROX. <u>12</u> FT. x <u>11</u> FT. x <u>12</u> FT. DEEP. DISPOSAL FACILITY: <u>LANDFARMED ON-SITE</u> CUBIC YARDAGE: <u>40</u> LAND USE: <u>RANGE</u> LEASE: <u>NONE ON SIGN</u>																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>110</u> FEET <u>SSOW</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u><100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMOCD RANKING SCORE: <u>10</u> NMOCD TPH CLOSURE STD: <u>/000 PPM</u> FORMATION: <u>DK.</u> SOIL AND EXCAVATION DESCRIPTION: <u>OK. YELL. ORANGE TO MOD. YELL. BROWN SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT HC ODOR.</u>																																		
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TRAVEL NOTES: CALLOUT: <u>8/23/94</u> ONSITE: <u>8/25/94</u>																																		

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 @ 13'
Project Location: Schwerdtfeger A 1 E
Laboratory Number: TPH-1094

Project #:
Date Analyzed: 8-25-94
Date Reported: 8-25-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	24	20


ND = Not Detectable at stated detection limits.

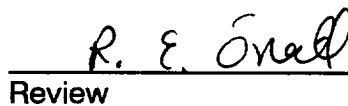
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	104	92	11.54

*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: Production Tank Pit - B0059


Analyst


Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Sample ID:

Project Location:

Laboratory Number:

Amoco

5 @ 13'

Schwerdtfeger A 1 E

TPH-1094

Project #:

Date Analyzed:

Date Reported:

Sample Matrix:

8-25-94

8-25-94

Soil

Sample Weight:

5.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

6 mg/kg

TPH Result:

24.0 mg/kg

Reported TPH Result:

24 mg/kg

Actual Detection Limit:

20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original
TPH mg/kg

Duplicate
TPH mg/kg

%
Diff.

104

92

11.54

Comments:

*****Max Characters*****

Comments:

Production Tank Pit - B0059

District I

O. Box 1980, Hobbs, NM

District II

O. Drawer DD, Artesia, NM 88211

District III

Ajo 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

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: SCHWERTFESER AIE
Well Name _____
Location: Unit or Qtr/Qtr Sec L Sec 36 T 28N R 9W County SAN JUAN
Pit Type: Separator ☒ Dehydrator _____ Other _____
Land Type: BLM ☒ State _____, Fee _____, Other _____

Pit Location: Pit dimensions: length 14', width 17', depth 5'
Attach diagram) Reference: wellhead ☒, other _____
Footage from reference: 98'
Direction from reference: 5 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: 8/23/94

Remediation Method: Excavation ☒ Approx. cubic yards 25
(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 5'
Sample date 8/23/94 Sample time 0840

Sample Results

Benzene(ppm) _____
Total BTEX(ppm) _____
Field headspace(ppm) 2.3
TPH 24 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 8/23/94
SIGNATURE Buddy D. Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

Date Remediation Started: _____

Date Completed: 8/23/94

Remediation Method: Excavation ☒
(Check all appropriate sections) Landfarmed ☒

Approx. cubic yards 25

In situ 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 5'

Sample date 8/23/94

Sample time 0840

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 2.3

TPH 24 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 8/23/94

SIGNATURE

Buddy D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80059</u> C.O.C. NO: _____
----------------------	--	---

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: SCHWERTFEGGER WELL #: A1E PIT: SEP
QUAD/UNIT: L SEC: 36 TWP: 28N RNG: 9W PM: nm CNTY: SJ ST: NM
QTR/FOOTAGE: 1750' FSL/ 990' FWL CONTRACTOR: P. VELASQUEZ

DATE STARTED:	8/23/94
DATE FINISHED:	8/23/94

ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION: EXCAVATION APPROX. 14 FT. x 17 FT. x 5 FT. DEEP.
DISPOSAL FACILITY: LANDFARMED ON-SITE CUBIC YARDAGE: 25
LAND USE: RANGE LEASE: NONE ON SITE

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 98 FEET 55W FROM WELLHEAD.

DEPTH TO GROUNDWATER: 4100' NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: 71000'

NMOC D RANKING SCORE: 10 NMOC D TPH CLOSURE STD: 1000 PPM

FORMATION: D12

SOIL AND EXCAVATION DESCRIPTION:

OK. YELL. ORANGE TO MOD. YELL. BROWN SAND, NON-COHESIVE
DRY TO SLIGHTLY MOIST, NO APPARENT HC ODOR, FIRM

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
5051	TPH-1088	5	20	1:1	6	24

840

SCALE

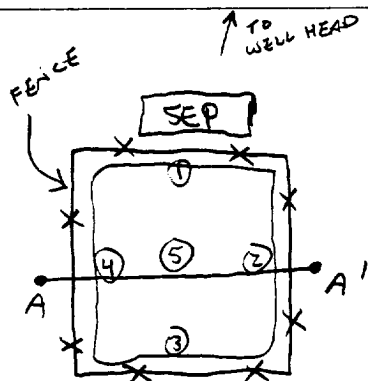
C

FT

PIT PERIMETER

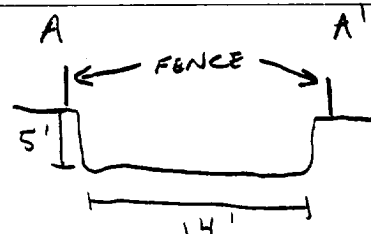
OVM RESULTS

PIT PROFILE



	SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	C 3'	1.9
2	C 3'	1.4
3	C 3'	1.5
4	C 3'	1.5
5	C 5'	2.3

LAB SAMPLES	
-------------	--



TRAVEL NOTES:

CALLOUT: 8/23/94

ONSITE: 8/23/94

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 @ 5'
Project Location: Schwerdtfeger A 1 E
Laboratory Number: TPH-1088

Project #:
Date Analyzed: 8-23-94
Date Reported: 8-23-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	24	20


ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	104	92	11.54

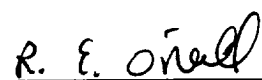
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: Separator Pit - B0059



Analyst



Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Sample ID:

Project Location:

Laboratory Number:

Amoco

5 @ 5'

Schwerdtfeger A 1 E

TPH-1088

Project #:

Date Analyzed:

Date Reported:

Sample Matrix:

8-23-94

8-23-94

Soil

Sample Weight:

5.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

6 mg/kg

TPH Result:

24.0 mg/kg

Reported TPH Result:

24 mg/kg

Actual Detection Limit:

20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original
TPH mg/kg

Duplicate
TPH mg/kg

%
Diff.

104

92

11.54

Comments:

*****Max Characters*****

Comments:

Separator Pit - B0059

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80059C.D.C. NO: 5573

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: SCHWERTFEGER A WELL #: 1E PITS: RAW, SEP, DENY, PROD.
QUAD/UNIT: L SEC: 36 TWP: 28N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1750' FSL 990' FWL CONTRACTOR: P+SDATE STARTED: 11-20-97

DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: NV/EP

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 105LAND USE: RANGELIFT DEPTH (ft): 6"-12"

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

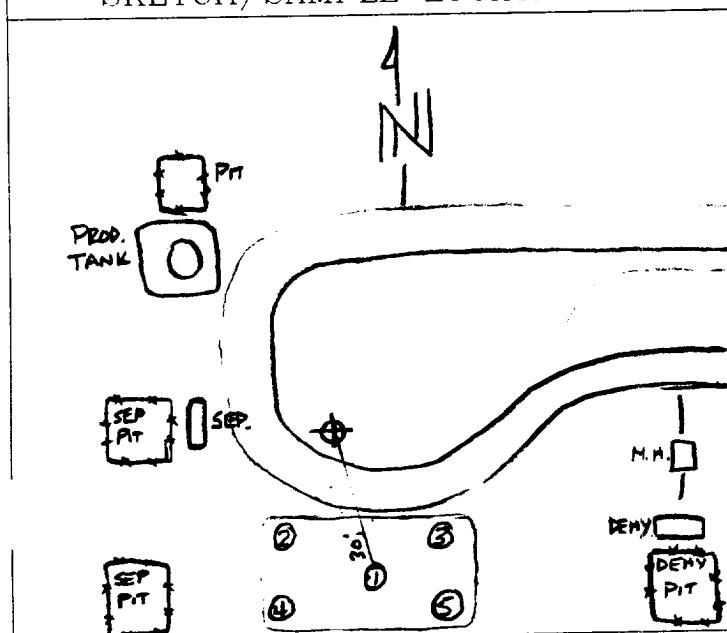
SOIL IS A DK YELLOW N/LT BROWN SILTY SAND. NO STAIN OR HC. ODOR.

TOOK 5 PT COMPOSITE SAMPLE IN THE BERMED LANDFARM.

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	8015	1410	ND

SCALE

0 10 FT

TRAVEL NOTES:

CALLOUT: N/AONSITE: 11-20-97 1410

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

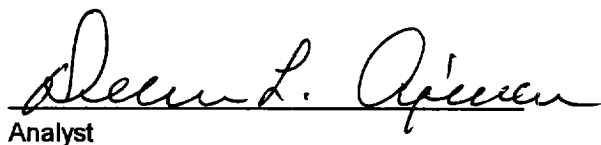
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	11-25-97
Laboratory Number:	C548	Date Sampled:	11-20-97
Chain of Custody No:	5573	Date Received:	11-21-97
Sample Matrix:	Soil	Date Extracted:	11-21-97
Preservative:	Cool	Date Analyzed:	11-24-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

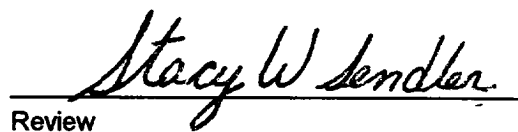
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Schwerdtfeger A # 1E Landfarm. 5 Pt. Composite.**


Analyst


Review

[illegible]