

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Box 1980, Hobbs, NM

District III

P.O. Box 1980, Hobbs, NM

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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: P.O. ALPHIN * 1E

Well Name

Location: Unit or Qtr/Qtr Sec J Sec 8 T 27N R 10W County SAN JUAN

Pit Type: Separator Dehydrator X Other

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 27', width 18', depth 14'
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 130'

Direction from reference: 20 Degrees East North X
of
X West South

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 10
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 9-14-94

Remediation Method: Excavation X Approx. cubic yards 250
(Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
Other COMPOST

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

General Description Of Remedial Action: _____
Excavation

Ground Water Encountered: No X 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 12'

Sample date 9-14-94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 593

TPH 5400 ppm

Ground Water Sample: Yes _____ No X (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 9/19/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

CLIENT: Amoco

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: 2

C.D.C. NO: _____

LOCATION: NAME: PO. PAXIN WELL #: 1E PIT: DEEP
QUAD/UNIT: J SEC: 8 TWP: 27N RNG: 10W BM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: NE/4 SE/4 CONTRACTOR: EPC

DATE STARTED: 9-11-6

DATE FINISHED: 6-2-61

ENVIRONMENTAL
SPECIALIST: BLAGG

SOIL REMEDIATION: EXCAVATION APPROX. 18 FT. x 27 FT. x 14' FT. DEEP.

DISPOSAL FACILITY: ON SITE COMPOST CUBIC YARDAGE: 250

LAND USE: ELM RIDGE LAND LEASE: SF - 077975

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 130' FEET N20W FROM WELLHEAD.

DEPTH TO GROUNDWATER: 50-60' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOC Ranking Score: 10-17 NMOC TPH Closure STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:

D EXCAVATION DESCRIPTION:
SILTY SAND TO 14'. Hard Bottom (Shaleston) @ 14' 10" - 11'
Some of the sand is yellow, some is grey.
The sand is very fine and is very soft.

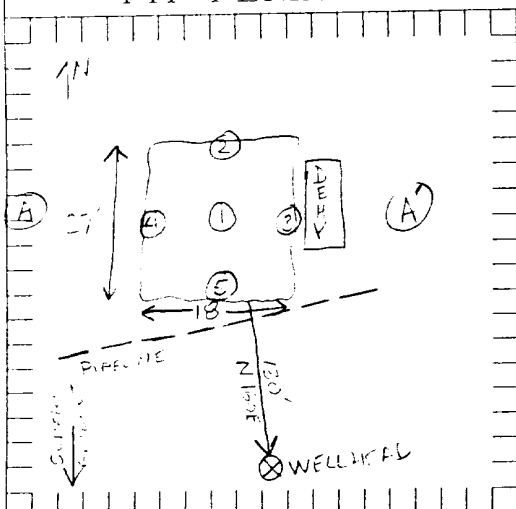
FIELD 418.1 CALCULATIONS

FIELD 418.1 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
EXTG 121	1136	10.0	20.0	10X	250	500

SCALE

0 FT

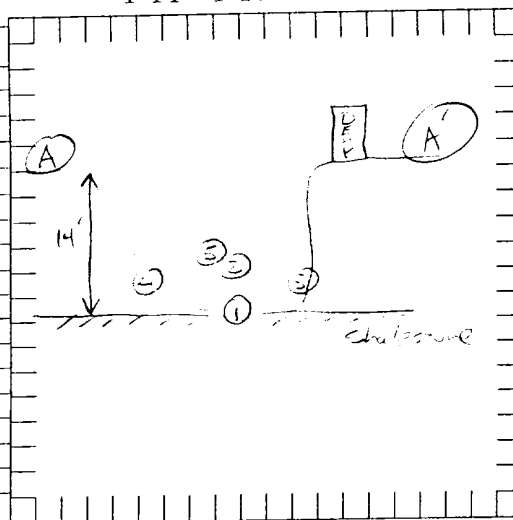
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1E-000-4'	311
2N-000-0'	16.4
3E-000-1'	593
4W-000-10'	4.2
5S-000-9'	4.9
LAB	SAMPLES

PIT PROFILE



TRAVEL NOTES:

CALLOUT: 5740 3/11/04

ONSITE: 100 9/10/96

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	Project #:	
Sample ID:	ES @ 12'	Date Analyzed:	9-14-94
Project Location:	P.O. Pipkin 1E	Date Reported:	9-14-94
Laboratory Number:	TPH-1136	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	5400	100

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	49,200	46,000	7

*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 - B0089

I.C. Blagg
Analyst

R. E. O'Neil
Review

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

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 REPORTOperator: Amoco Production Company Telephone: (505) - 326-9200Address: 200 Amoco Court, Farmington, New Mexico 87401Facility Or: P.O. PLP KW * 1E
Well NameLocation: Unit or Qtr/Qtr Sec J Sec 8 T27N R10W County SAN JUANPit Type: Separator X Dehydrator Other Land Type: BLM X, State , Fee , Other Pit Location: Pit dimensions: length 27', width 20', depth 10'
(Attach diagram)Reference: wellhead X, other Footage from reference: 160Direction from reference: 60 Degrees East North X
of
X 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: 9-14-94

Remediation Method: Excavation X Approx. cubic yards 180
 (Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
 Other COMPOST

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

General Description Of Remedial Action: _____

Excavation

Ground Water Encountered: No X 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 9-14-94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 740

TPH 13,200 ppm

Ground Water Sample: Yes _____ No X (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 9/19/94

SIGNATURE

B.D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

TRANSMITTED TO EPC VIA PHONE 9-16-01

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>2000</u> C.O.C. NO: _____
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>P.O. PPKIN</u>	WELL #: <u>1E</u>	PIT: <u>SEPARATOR</u>	DATE STARTED: <u>9-14-94</u>
QUAD/UNIT: <u>J</u>	SEC: <u>8</u>	TWP: <u>27N</u> RNG: <u>10W</u> BM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	DATE FINISHED: <u>9-14-94</u>
QTR/FOOTAGE: <u>NE/4</u>	<u>SE/4</u>	CONTRACTOR: <u>EPC</u>	ENVIRONMENTAL SPECIALIST: <u>BLAGG</u>

SOIL REMEDIATION: EXCAVATION APPROX. 27' FT. x 20' FT. x 10' FT. DEEP.
DISPOSAL FACILITY: ON SITE COMPOST CUBIC YARDAGE: 150
LAND USE: BLM RANGELAND LEASE: SF-077875

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 160' FEET N60W FROM WELLHEAD.
DEPTH TO GROUNDWATER: 50'-100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOC RANKING SCOPE: 10-19 NMOC TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:

D EXCAVATION DESCRIPTION:
SILT SAND TO 10' HARD BEDROCK (shalestone) @ 10' Depth
Surface gradient towards south

FIELD 418.1 CALCULATIONS

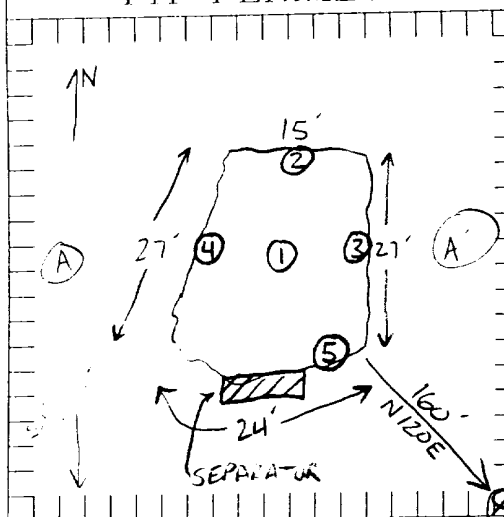
FIELD 418.1 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	ml. FREON	DILUTION	READING	CALC. ppm
① Diesel 10	1000	10.0	1.0	1.0	00	1000

SCALE



0 FT

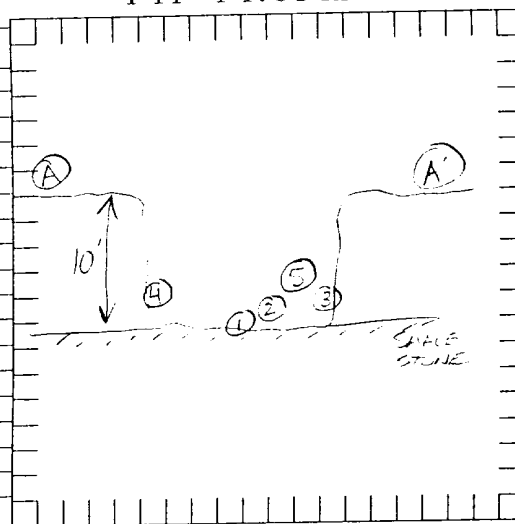
PIT PERIMETER



OVM RESULTS

[illegible]

PIT PROFILE



TRAVEL NOTES:

CALLOUT: 0840 3/10/01

ONSITE: 1000 5/10/96

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: CB @ 10'
Project Location: P.O. Pipkin 1E
Laboratory Number: TPH-1137

Project #:
Date Analyzed: 9-14-94
Date Reported: 9-14-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	13000	1,000

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	49,200	46,000	7

*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 - B0089

T. C. Blagg
Analyst

R. E. O'Neil
Review

District I
P.O. Box 1980, Hobbs, NM
District II
O. Drawer DD, Artesia, NM 88211
District III
100 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

80089
SUBMIT 1 COPY TO
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AND 1 COPY TO
SANTA FE OFFICE

PTT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: P.O. PIPKIN 1E
Well Name
Location: Unit or Qtr/Qtr Sec I Sec 8 T 27N R 10W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 35', width 38', depth 16'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 140'
Direction from reference: 55 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) 10
Greater than 100 feet (0 Points)

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) 10

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 9/16/94

Remediation Method: Excavation ☒ Approx. cubic yards 590
(Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____

Other COMPOSTED

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 12'

Sample date 9/16/94 Sample time 0955

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 23.5

TPH 48 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 9/19/94

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>B0089</u> C.D.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION

LOCATION: NAME: <u>P.O. PIPKIN</u> WELL #: <u>1E</u> PIT: <u>BLOW</u> QUAD/UNIT: <u>I</u> SEC: <u>8</u> TWP: <u>27N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR./FOOTAGE: <u>NEL4 SE14</u> CONTRACTOR: <u>EPC</u>	PAGE No: <u>1</u> of <u>1</u> DATE STARTED: <u>9/16/94</u> DATE FINISHED: <u>9/16/94</u> ENVIRONMENTAL SPECIALIST: <u>NN</u>
---	---

SOIL REMEDIATION: EXCAVATION APPROX. 35 FT. x 38 FT. x 16 FT. DEEP.

DISPOSAL FACILITY: COMPOSTED CUBIC YARDAGE: 590

LAND USE: RANGE LEASE: SF - 077875

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 140 FEET SSSW FROM WELLHEAD.

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

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM FORMATION: OK

SOIL AND EXCAVATION DESCRIPTION:

DR. YELLOW ORANGE SAND, NON-COHESIVE, SLIGHTLY MOIST,
FIRM, NO APPARENT HC ODOR. BOTTOM CONSISTS OF HARD SANDSTONE.

SCALE 0 [] 38' FT

CLOSED

SAMPLE I.D.	LAB No.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
<u>1 @ 12'</u>	<u>TPH-1141</u>	<u>5</u>	<u>20</u>	<u>1:1</u>	<u>12</u>	<u>48</u>

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
<u>1 @ 12'</u>	<u>23.5</u>
<u>2 @ 13'</u>	<u>2.6</u>
<u>3 @ 13'</u>	<u>2.3</u>
<u>4 @ 12'</u>	<u>1.7</u>
<u>5 @ 16'</u>	<u>11.4</u>

PIT PROFILE

LAB SAMPLES

TRAVEL NOTES: CALLOUT: 9/16/94 ONSITE: 9/16/94

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: 1 @ 12'
Project Location: P.O. Pipkin 1 E
Laboratory Number: TPH-1141

Project #:
Date Analyzed: 9-19-94
Date Reported: 9-19-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	48	20

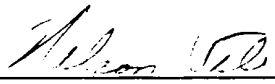
ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	372	416	11.17

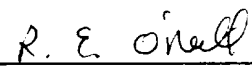
*Administrative Acceptance limits set at 30%.

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

Comments: Blow Pit - B0089



Analyst



Review