

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 REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: P.O. PIPKIN #4E
Well Name _____
Location: Unit or Qtr/Qtr Sec C Sec 17 T 27N R 10W County SAN JUAN
Pit Type: Separator ___ Dehydrator ___ Other ABANDONED BLOW
Land Type: BLM X, State __, Fee __, Other _____

Pit Location: Storage & Fuel Pit dimensions: length 25', width 20', depth 13'
(Attachment to GAS INSPECTOR
DEPUTY COMMISSIONER
DEC 11 9 1996
Reference: wellhead X, other _____
Footage from reference: 170
Direction from reference: 75 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) 20

Wellhead Protection Area:

(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

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Yes (20 points)
No (0 points) 0

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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: 9-12-94

Remediation Method: Excavation X Approx. cubic yards 200
(Check all appropriate sections) Landfarmed X Insitu Bioremediation _____
Other _____

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 9'

Sample date 9-12-94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 9.0

TPH ND

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 9/13/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

RESULTS TO JOMH 9-12-94 PLW

CLIENT <u>Amoco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B0085</u> C.O.C. NO: <u>—</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION NAME	P.O. PIPKIN	WELL #	4E	PIT: AB.	Blow	DATE STARTED:	9-12-94
QUAD/UNIT	C	SEC:	17	TWP:	27 N	RNG:	10 W
		BM:	Nm	CNTY:	SJ	ST:	Nm
GTP/FEETAGE	NE/4 NW/4	CONTRACTOR:	EPC	ENVIRONMENTAL SPECIALIST:	RES		

SOIL REMEDIATION: EXCAVATION APPROX. 25 FT. x 20 FT. x 13 FT. DEEP.
DISPOSAL FACILITY: ON SITE - LANDFARM CUBIC YARDAGE: 200
LAND USE: RANGE LEASE: FED. LSE # SF-077875

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 170 FEET N75°W FROM WELLHEAD.
DEPTH TO GROUNDWATER: <20' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOC RANKING SCORE: 20 NMOC TPH CLOSURE STD: 100 PPM

WELL HAS BEEN P & A'D.
EXCAVATION IS BROWN, MOIST, COARSE SAND - NO COAR/STAIN.
BOTTOM IS WET - CLOSE TO WATER TABLE.

CLOSE PIT

FIELD 418.1 CALCULATIONS

FIELD #18: CALCULATIONS						
SAMPLE ID:	LAB No:	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
SS09'	1125	10.0	20.0	—	4	8 (ND)

SCALE

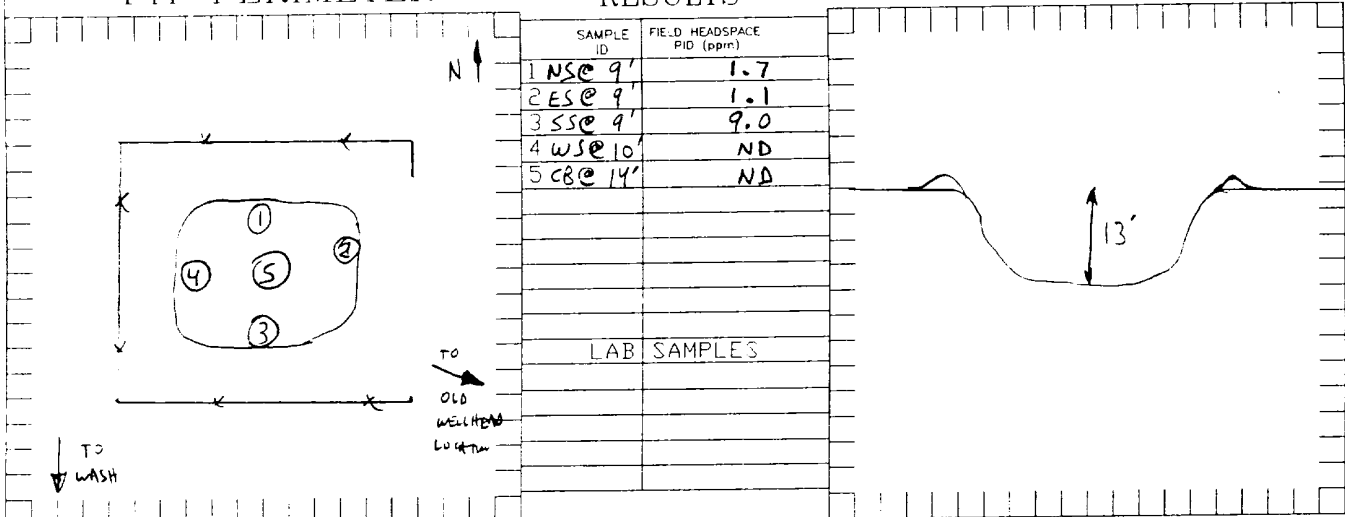


0 10 20 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE



TRAVEL NOTES: CALLOUT: 9-12-94 ONSITE: 9-12-94 1130

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:	SS @ 9'	Date Analyzed:	9-12-94
Project Location:	P.O. Pipkin 4E	Date Reported:	9-12-94
Laboratory Number:	TPH-1125	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	ND	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	440	450	2

*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: Abandoned Blow Pit - B0085

R. E. O'Neil
Analyst

Nelson Vile
Review

80085

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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. PIPKIN # 4E
Well Name _____
Location: Unit or Qtr/Qtr Sec C Sec 17 T 27N R 10W County SAN JUAN
Pit Type: Separator X Dehydrator _____ Other ABANDONED
Land Type: BLM X, State _____, Fee _____, Other _____

Pit Location: Pit dimensions: length 25', width 15', depth 12'
(Attach diagram) Reference: wellhead X, other _____
Footage from reference: 145
Direction from reference: 20 Degrees X East North X
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)

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DIST. 3

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: 9-12-94

Remediation Method: Excavation X Approx. cubic yards 120
(Check all appropriate sections) Landfarmed X Insitu Bioremediation _____
Other _____

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:
Closure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 16'

Sample date 9-12-94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 1.6

TPH 88 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 9/13/94

SIGNATURE

Buddy D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

RESULTS TO JOURNAL/ED 9-12-94 PLO

CLIENT: <u>Amoco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80085</u> C.B.C. NO: <u>—</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION NAME: <u>P.O. PIPKIN</u> WELL #: <u>4E</u> PIT: <u>ASPH, SEP.</u>	DATE STARTED: <u>9-12-94</u>
QUAD/UNIT: <u>C SEC 17 TWP 27 N RNG: 10 W BM. NM CNTY: SJ ST: NM</u>	DATE FINISHED: <u>—</u>
QTR/FOOTAGE: <u>NE/4. NW/4.</u> CONTRACTOR: <u>ERC</u>	ENVIRONMENTAL SPECIALIST: <u>REG</u>

SOIL REMEDIATION: EXCAVATION APPROX. 15 FT. x 25 FT. x 12 FT. DEEP.
DISPOSAL FACILITY: ON SITE - LANDFARM CUBIC YARDAGE: 120
LAND USE: RANGE LEASE: FED. LSE. # SF-077875

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 145 FEET N20°E FROM WELLHEAD.
DEPTH TO GROUNDWATER: <20' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCB RANKING SCORE: 20 NMOCB TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION: WELL HAS BEEN P + A'D.
SOIL IS MOIST, BROWN, COARSE SAND, NO OIL/STAIN.
EXCAVATE DEEPER. - TAKE ANOTHER SAMPLE @ 16' - CLEAN.

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No.	WEIGHT (g)	mlL FREON	DILUTION	READING	CALC. ppm
CB @ 13'	1126	10.0	20.0	—	102	204
CB @ 16'	1127	10.0	20.0	—	44	88

CLOSE PIT

SCALE

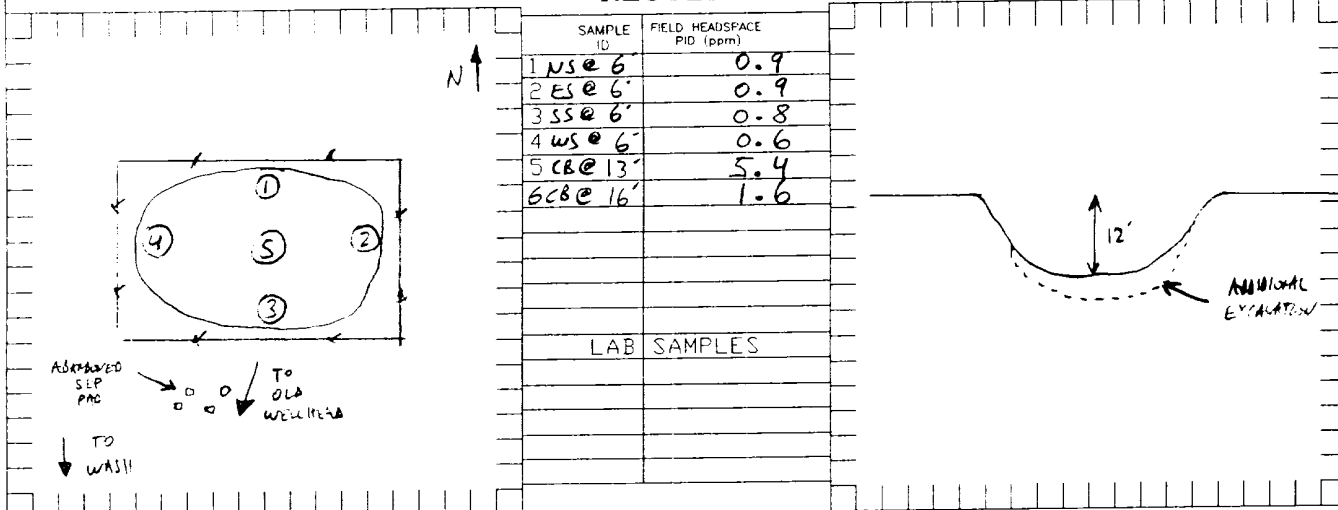


0 5 10 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE



TRAVEL NOTES: CALLOUT: 9-12-94 ONSITE: 9-12-94 1245

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:	CB @ 13'	Date Analyzed:	9-12-94
Project Location:	P.O. Pipkin 4E	Date Reported:	9-12-94
Laboratory Number:	TPH-1126	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	200	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	440	450	2

*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: Abandoned Separator Pit - B0085

P. E. O'Neil
Analyst

Nick V. Blagg
Review

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 @ 16'
Project Location: P.O. Pipkin 4E
Laboratory Number: TPH-1127

Project #:
Date Analyzed: 9-12-94
Date Reported: 9-12-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	88	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	440	450	2

*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: Abandoned Separator Pit - B0085

R E O'Neil
Analyst

Helene T. B.
Review