

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer 88, 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

80177
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

DEC 03 1996

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 #1
Well Name

Location: Unit or Qtr/Qtr Sec H 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 29', width 28', depth 21'
(Attach diagram) Reference: wellhead X, other

Footage from reference: 160'

Direction from reference: 67 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) 0

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): 0

RECEIVED

DEC 16 1994

OIL CON. DIV.
DIST. 3

Date Remediation Started: _____ Date Completed: 12/2/94

Remediation Method: Excavation ☒ Approx. cubic yards 510
 (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 14'

Sample date 12/1/94 Sample time 1340

Sample Results

Benzene(ppm) 0.0056

Total BTEX(ppm) 0.6872

Field headspace(ppm) 185.7

TPH 2,640 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 12/2/94

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>80177</u> COC. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>P.O. PIPKIN</u> WELL #: <u>1</u> PIT: <u>BLOW</u>	DATE STARTED: <u>12/1/94</u> DATE FINISHED: _____	
QUAD/UNIT: <u>H</u> SEC: <u>8</u> TWP: <u>27N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>ST. NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>	
QTR/FOOTAGE: <u>TE/4</u> <u>NE/4</u> CONTRACTOR: <u>EPC</u>		

EXCAVATION APPROX. 29 FT. x 28 FT. x 21 FT. DEEP. CUBIC YARDAGE: 510
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED
LAND USE: RANGE LEASE: 5F-077875 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 160 FT. N67W FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOC RANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

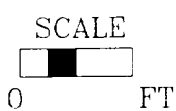
CHECK ONE:

☒ PIT ABANDONED

☐ STEEL TANK INSTALLED

MOSTLY MOD. YELL. BROWN SAND, NON-COHESIVE, SLIGHTLY MOIST FIRM TO DENSE (NEAR BOTTOM), SANDSTONE ENCOUNTERED @ VARIOUS INTERVALS (SEE PIT PROFILE)

BOTTOM - DK. GRAY TO BLACK SANDSTONE, HARD.



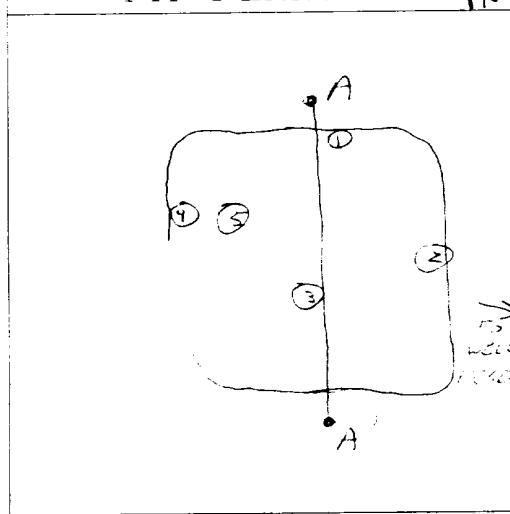
FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1340	④ @ 14'	TPH-1290	5	20	10:1	66	2640
"	DUPLICATE	"	5	20	10:1	66	2640

PIT PERIMETER

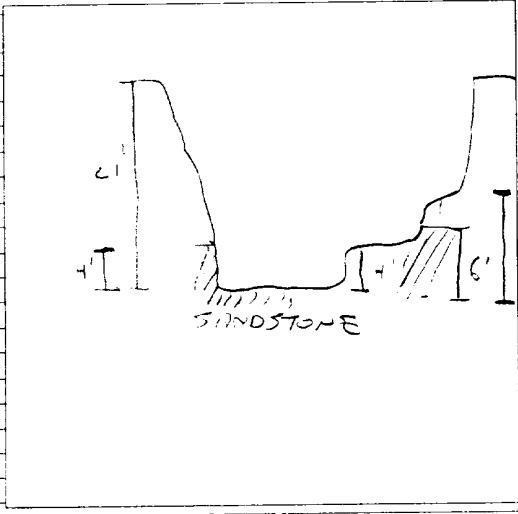
OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 15'	104.5
2 @ 15'	12.6
3 @ 13'	176.8
4 @ 14'	185.7
5 @ 21'	902

SAMPLE ID	ANALYSIS	TIME
④ @ 14'	BTEX	1340
B - 5.6 ppb		
TOT - 6822 ppb		
PASSED		



TRAVEL NOTES: CALLOUT: 11/30/94 ONSITE: 12/1/94

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	Project #:	
Sample ID:	4 @ 14'	Date Analyzed:	12-01-94
Project Location:	P.O. Pipkin # 1	Date Reported:	12-01-94
Laboratory Number:	TPH-1300	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	2,600	200

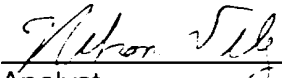
ND = Not Detectable at stated detection limits.


QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	2640	2640	0.00

*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 - B0177


Analyst


Review



OFF: (505) 325-8786

LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn: *Nelson Velez*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfield, NM 87413*

Date: 12/2/94
Lab ID: 2314
Sample ID: 4192
Job No. 2-1000

Project Name: *P. O. Pipkin #1*
Project Location: *4 @ 14' - Blow Pit*
Sampled by: *NV* Date: 12/1/94
Analyzed by: *DLA* Date: 12/2/94
Sample Matrix: *Soil*

Time: 13:40

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	5.6	0.2
<i>Toluene</i>	17.9	0.2
<i>Ethylbenzene</i>	228.3	0.2
<i>m,p-Xylene</i>	369.9	0.2
<i>o-Xylene</i>	65.6	0.2
	TOTAL 687.2 ug/kg	

ND - Not Detectable

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*
Date: 12/2/94

P. O. BOX 2606 • FARMINGTON, NM 87499

- *Thomson, Blagg Engineering and Environmental Services* -

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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

80677
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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 #1
Well Name

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

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒, State ☐, Fee ☐, Other ☐

Pit Location: Pit dimensions: length 19', width 17', depth 6'
(Attach diagram)

Reference: wellhead ☒, other ☐

Footage from reference: 167'

Direction from reference: 42 Degrees ☐ East North ☐
☒ West of 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) 0

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) 0
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) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 12/3/94Remediation Method: Excavation ☒ Approx. cubic yards 35
(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 DocumentsClosure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)Sample depth 3'Sample date 12/2/94 Sample time 1415

Sample Results

Benzene(ppm) 0.0298Total BTEX(ppm) 4.329Field headspace(ppm) 587TPH 672 ppmGround 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 12/3/94

SIGNATURE

B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
Environmental Coordinator

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80177</u> C.D.C. NO: <u>2319</u>
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>P.O. PIPKIN</u>	WELL #: <u>1</u>	PIT: <u>SEP</u>
QUAD/UNIT: <u>H</u>	SEC: <u>8</u>	TWP: <u>27N</u> RNG: <u>12W</u> PM: <u>NM</u> CNTY: <u>ST. NM</u>
QTR/FOOTAGE: <u>SE14 NE14</u>	CONTRACTOR: <u>EPC</u>	
		DATE STARTED: <u>12/2/94</u> DATE FINISHED: _____
		ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. <u>19</u> FT. x <u>17</u> FT. x <u>6</u> FT. DEEP.	CUBIC YARDAGE: <u>35</u>
DISPOSAL FACILITY: <u>ON-SITE</u>	REMEDIATION METHOD: <u>LANDFARMED</u>
LAND USE: <u>RANGE</u>	LEASE: <u>55-077875</u> FORMATION: <u>DK</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>167</u> FT. <u>542W</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>>100'</u>	NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>
NMOC RANKING SCORE <u>0</u>	NMOC TPH CLOSURE STD: <u>5000</u> PPM
SOIL AND EXCAVATION DESCRIPTION:	
<div style="border: 1px solid black; padding: 5px;">CHECK ONE: <input type="checkbox"/> PIT ABANDONED <input checked="" type="checkbox"/> STEEL TANK INSTALLED</div>	

MED. TO DK. GRAY SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM TO DENSE, STRONG HC OOR IN ALL OVM SAMPLES.

BOTTOM - SANDSTONE, MED. GRAY IN COLOR, HARD.

CLOSED

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1415	4 @ 4'	TPH-1307	5	20	1:1	168	672

SCALE

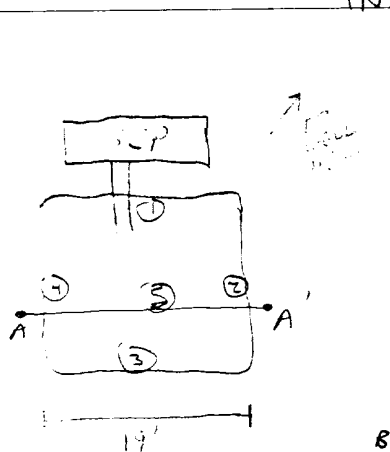


0 FT

PIT PERIMETER

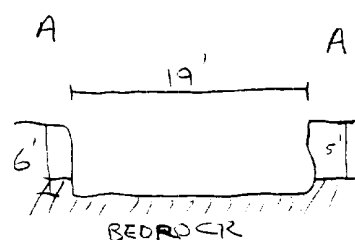
OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 3'	534
2 @ 3'	403
3 @ 3'	563
4 @ 4'	587
5 @ 6'	176.6

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
4 @ 4'	BTEX	1415
8 - 29.8 ppb		
TOT - 4,329 ppb		
PASSED		



TRAVEL NOTES:	CALLOUT: <u>11/30/94</u>	ONSITE: <u>12/2/94</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	Project #:	
Sample ID:	4 @ 4'	Date Analyzed:	12-02-94
Project Location:	P.O. Pipkin # 1	Date Reported:	12-02-94
Laboratory Number:	TPH-1307	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	670	20


ND = Not Detectable at stated detection limits.

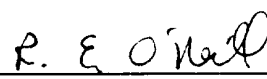
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% * Diff.
	2640	2640	0.00

* 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 - B0177


Analyst


Review



OFF: (505) 325-8786

LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn: *Nelson Velez*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfield, NM 87413*

Date: 12/3/94
Lab ID: 2319
Sample ID: 4235
Job No. 2-1000

Project Name: *P. O. Pipkin #1*
Project Location: *4 @ 4' - Sep Pit*
Sampled by: NV Date: 12/2/94
Analyzed by: DLA Date: 12/3/94
Sample Matrix: *Soil*

Time: 14:15

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	29.8	0.2
<i>Toluene</i>	42.5	0.2
<i>Ethylbenzene</i>	479	0.2
<i>m,p-Xylene</i>	3,440	0.2
<i>o-Xylene</i>	338	0.2
TOTAL 4,329 ug/kg		

ND - Not Detectable

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by:

Date:

J. G.
12/5/94

P. O. BOX 2606 • FARMINGTON, NM 87499

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