

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

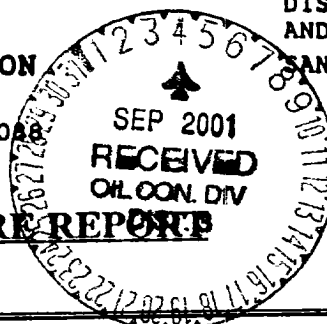
State of New Mexico

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 OFFICEPIT REMEDIATION AND CLOSURE REPORTOperator: Amoco Production Company Telephone: (505) - 326-9200Address: 200 Amoco Court, Farmington, New Mexico 87401Facility Or: BOLACK 2E
Well NameLocation: Unit or Qtr/Qtr Sec J Sec 19 T 28N R 8W County SAN JUANPit Type: Separator Dehydrator X Other Land Type: BLM X, State , Fee , Other Pit Location: Pit dimensions: length 20', width 17', depth 10'
(Attach diagram)Reference: wellhead X, other Footage from reference: 90'Direction from reference: 27 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)
Greater than 1000 feet (0 points) 0RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 7/1/94

Remediation Method: Excavation ☒
(Check all appropriate sections)

Approx. cubic yards 126

Landfarmed ☒

Insitu Bioremediation _____

Other _____

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

General Description Of Remedial Action: _____

Excavation

NMOC letter correspondence 12-13-96

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 7/12/94

Sample time 1300

Sample Results

Benzene(ppm) 0.005

Total BTEX(ppm) 0.052

Field headspace(ppm) 373

TPH 940 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 7/15/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

RESULTS GIVEN TO BOB MCCOY 7/15/94 RT

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80019</u> C.O.C. NO: <u>1659</u>
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>BOLACK</u>	WELL #: <u>2E</u>	PIT: <u>DEHY</u>
QUAD/UNIT: <u>J</u>	SEC: <u>19</u>	TWP: <u>28N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>
QTR/FOOTAGE: <u>NW1/4 SE1/4</u>	CONTRACTOR: <u>P. VELASQUEZ</u>	
		ENVIRONMENTAL SPECIALIST: <u>NV</u>

SOIL REMEDIATION: EXCAVATION APPROX. 20 FT. x 17 FT. x 10 FT. DEEP.
 DISPOSAL FACILITY: LANDFARMED ON-SITE CUBIC YARDAGE: 126
 LAND USE: RANGE LEASE: NM-03849

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 90 FEET SE/W FROM WELLHEAD.
 DEPTH TO GROUNDWATER: <100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000
 NMCD RANKING SCORE: 10 NMCD TPH CLOSURE STD: 1000 PPM FORMATION: OK

SOIL AND EXCAVATION DESCRIPTION: DR. YELL. BROWN SAND TO SILTY SAND NON-COHESIVE, SLIGHTLY MOIST, FIRM TO DENSE, STRONG IN HC 0002 IN EAST SIDEWALL OWN SAMPLE.

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
<u>2E 11'</u>	<u>TPH-1018</u>	<u>10</u>	<u>20</u>	<u>1:1</u>	<u>60</u>	<u>120</u>
<u>2E 6'</u>	<u>TPH-1019</u>	<u>10</u>	<u>20</u>	<u>1:1</u>	<u>472</u>	<u>944</u>

SCALE

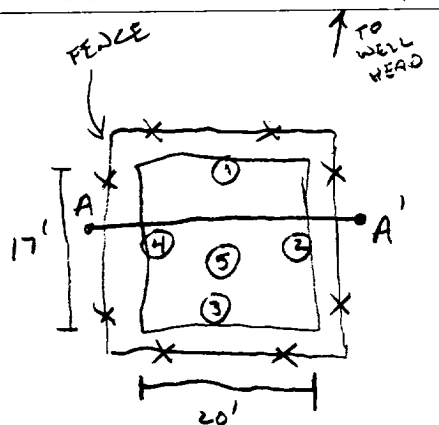


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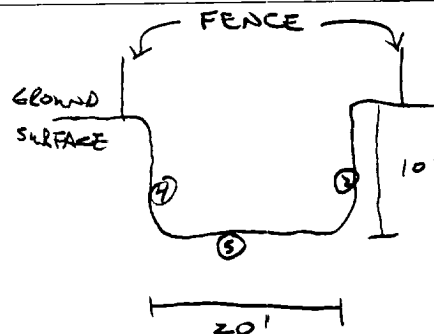
FT
PIT PERIMETER

OVM
RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 5'	<u>ND</u>
2 @ 6'	<u>373</u>
3 @ 8'	<u>1.2</u>
4 @ 7'	<u>ND</u>
5 @ 11'	<u>2.8</u>
LAB SAMPLES	
<u>2E 6'</u>	<u>BTEX (8020)</u>



TRAVEL NOTES: CALLOUT: 7/12/94 ONSITE: 7/12/94

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 @ 11'
Project Location: Bolack 2 E
Laboratory Number: TPH-1018

Project #:
Date Analyzed: 7-12-94
Date Reported: 7-12-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	120	10

ND = Not Detectable at stated detection limits.

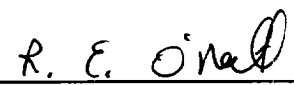
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	692	630	9.38

*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 - B0019


Analyst


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: 2 @ 6'
Project Location: Bolack 2 E
Laboratory Number: TPH-1019

Project #:
Date Analyzed: 7-12-94
Date Reported: 7-12-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	940	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	692	630	9.38

*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 - B0019

Nelson Vilez
Analyst

R. E. O'Neil
Review



ON SITE TECHNOLOGIES, LTD.

AROMATIC VOLATILE ORGANICS

Attn: *Nelson Velez*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfiels New Mexico 87413*

Date: 7/13/94
Lab ID: 1659
Sample ID: 1949
Job No. 2-1000

Project Name: *Bolack 2 E*
Project Location: *2 @ 6' - Dehy. Pit*
Sampled by: NV Date: 7/12/94
Analyzed by: DLA Date: 7/13/94
Sample Matrix: *Soil*

Time: 13:00

Aromatic Volatile Organics

Component	**Measured Concentration ug/kg
<i>Benzene</i>	5.4
<i>Toluene</i>	5.6
<i>Ethylbenzene</i>	2.7
<i>m,p-Xylene</i>	33.7
<i>o-Xylene</i>	4.4
	TOTAL 51.7 ug/kg

ND - Not Detectable

** - Method Detection Limit, 2 ug/kg

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

Approved by: 

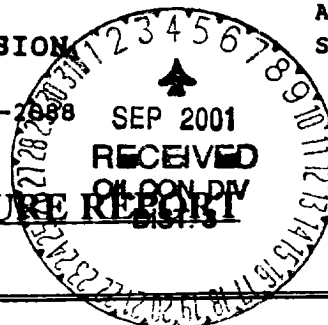
Date: 7/13/94

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Energy, Minerals and Natural Resources Department

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AND 1 COPY TO
SANTA FE OFFICE

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



PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: BOLACK 2E
Well Name
Location: Unit or Qtr/Qtr Sec J Sec 19 T 28N R 8W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 15', width 15', depth 5'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 65'
Direction from reference: 10 Degrees East North X
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) 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: 7/12/94

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

n m o c d letter correspondence 12-13-96

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 7/12/94 Sample time 1245

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 3.6

TPH 92 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 7/1/94

SIGNATURE

B. 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: Bolack 2 E
Laboratory Number: TPH-1020

Project #:
Date Analyzed: 7-12-94
Date Reported: 7-12-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	92	10

ND = Not Detectable at stated detection limits.

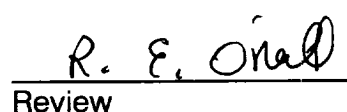
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	692	630	9.38

*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 - B0019


Analyst


Review

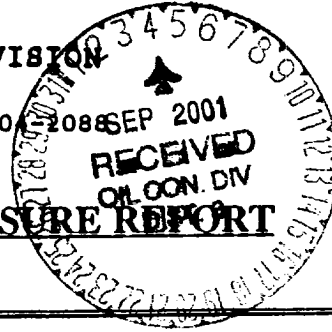
District I
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State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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Santa Fe, New Mexico 87504

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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: BOLACK ZE
Well Name
Location: Unit or Qtr/Qtr Sec J Sec 19 T 28N R 8W County SAN JUAN
Pit Type: Separator Dehydrator Other PRODUCTION TANK
Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 15', width 15', depth 3'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 128'
Direction from reference: 60 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) 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: 7/1/94

Remediation Method: Excavation ☒ Approx. cubic yards 20
(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

nmocd letter correspondence 12-13-96

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents
Closure Sampling: MULTIPLE SAMPLES
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 7'
Sample date 7-15-94 Sample time _____

Sample Results

Benzene(ppm) .007
Total BTEX(ppm) 1.325
Field headspace(ppm) 680
TPH 180 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 7/19/94
SIGNATURE Buddy D. Shaw PRINTED NAME AND TITLE Buddy D. Shaw
Environmental Coordinator

8/7/2/94

RESULTS GIVEN TO ROB MCCOY 7/15/94 915

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80019</u> C.O.C. NO: <u>1608</u>
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FIELD REPORT: CLOSURE VERIFICATION

LOCATION: NAME: <u>BOLACK</u> WELL #: <u>2E</u> PIT: <u>PROD.</u>	DATE STARTED: <u>7/13/94</u>
QUAD/UNIT: <u>J</u> SEC: <u>19</u> TWP: <u>28N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	DATE FINISHED: <u>7/15/94</u>
QTR/FOOTAGE: <u>NW/4 SE/4</u> CONTRACTOR: <u>P. VELASQUEZ</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

SOIL REMEDIATION: EXCAVATION APPROX. 21 FT. x 17 FT. x 7 FT. DEEP.
DISPOSAL FACILITY: LANDFARMED ON-SITE CUBIC YARDAGE: _____
LAND USE: RANGE LEASE: NM - 03549

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 128 FEET N60E FROM WELLHEAD.
DEPTH TO GROUNDWATER: <100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000
NMCD RANKING SCORE: 10 NMCD TPH CLOSURE STD: 1000 PPM FORMATION: OK

SOIL AND EXCAVATION DESCRIPTION: EXCAVATION BOTTOM CONSIST OF BEDROCK. OLIVE GRAY TO LT. MED. GRAY DISCOLORATION.

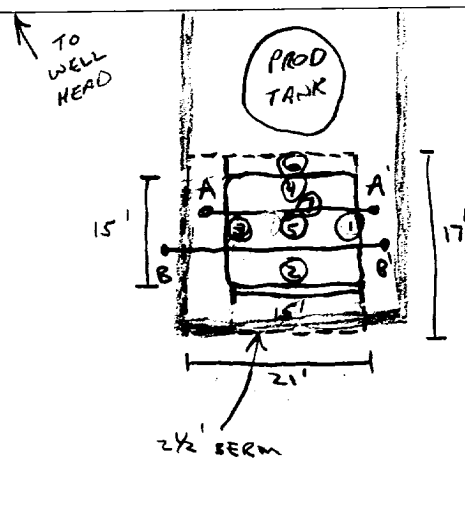
FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
⑤ @ 3'	TPH-1023	10	20	10:1	437	8,740
⑦ @ 7'	TPH-1026	10	20	1:1	91	182

7/13/94
7/15/94



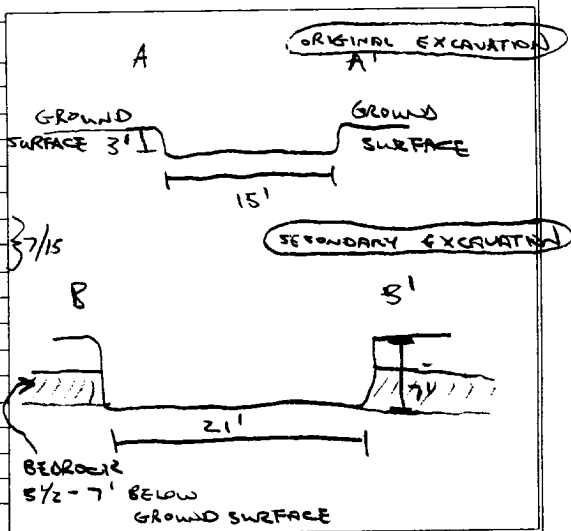
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 1'	6.4
2 @ 2'	4.3
3 @ 1'	16.6
4 @ 2'	484
5 @ 3'	490
6 @ 3'	728
7 @ 7'	680
LAB SAMPLES	
⑤ @ 3'	BTEX (8020)

PIT PROFILE



TRAVEL NOTES: CALLOUT: 7/13/94 ONSITE: 7/13/94

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 @ 3'
Project Location: Bolack 2 E
Laboratory Number: TPH-1023

Project #:
Date Analyzed: 7-13-94
Date Reported: 7-13-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	8,700	100

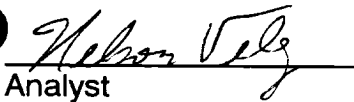
ND = Not Detectable at stated detection limits.

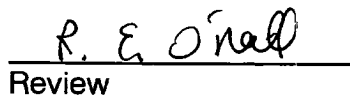
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	1620	1520	6.37

*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: Prod Pit - B0019


Analyst


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: 7 @ 7'
Project Location: Bolack 2 E
Laboratory Number: TPH-1026

Project #:
Date Analyzed: 7-15-94
Date Reported: 7-15-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	180	10

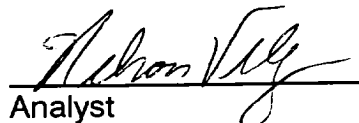
ND = Not Detectable at stated detection limits.

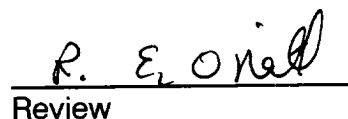
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	1620	1520	6.37

*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 - B0019


Analyst


Review

**ON SITE
TECHNOLOGIES, LTD.**
AROMATIC VOLATILE ORGANICS

Attn: *Nelson Velez*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfiels New Mexico 87413*

Date: *7/19/94*
Lab ID: *1610*
Sample ID: *1989*
Job No. *2-1000*

Project Name: *Bolack 2E*
Project Location: *7 @ 7' - Production Pit*
Sampled by: *NV* Date: *7/15/94*
Analyzed by: *DLA* Date: *7/19/94*
Sample Matrix: *Soil*

Time: *10:15*

Aromatic Volatile Organics

<i>Component</i>	<i>**Measured Concentration ug/kg</i>
<i>Benzene</i>	<i>7</i>
<i>Toluene</i>	<i>116</i>
<i>Ethylbenzene</i>	<i>19</i>
<i>m,p-Xylene</i>	<i>1,157</i>
<i>o-Xylene</i>	<i>27</i>
<i>TOTAL</i>	<i>1,325 ug/kg</i>

ND - Not Detectable

*** - Method Detection Limit, 2 ug/kg*

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

Approved by: *[Signature]*

Date: *7/19/94*

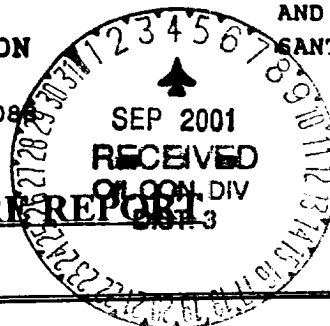
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State of New Mexico
Energy, Minerals and Natural Resources Department

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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: BOLACK # 2E
Well Name _____
Location: Unit or Qtr/Qtr Sec J Sec 19 T 28N R 8W County SAN JUAN
Pit Type: Separator ☒ Dehydrator _____ Other _____
Land Type: BLM ☒, State _____, Fee _____, Other _____

Pit Location: Pit dimensions: length 13', width 15', depth 12'
(Attach diagram) Reference: wellhead ☒, other _____
Footage from reference: 90'
Direction from reference: 20 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: 7/15/94

Remediation Method: Excavation ☒ Approx. cubic yards 85
(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

nmoc letter correspondence 12-13-94

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 12'

Sample date 7/15/94 Sample time 0845

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 39.6

TPH 96 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 7/15/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

RESULTS GIVEN TO BOB MCCOY 7/15/94 nvr

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80019</u> C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION			PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>BOLACK</u>	WELL #: <u>2E</u>	PIT: <u>SEP</u>	DATE STARTED: <u>7/15/94</u>
QUAD/UNIT: <u>J</u>	SEC: <u>9</u>	TWP: <u>28N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	DATE FINISHED: <u>7/15/94</u>
QTR/ENPIAGE: <u>NW/4 SE/4</u>	CONTRACTOR: <u>P. VELASQUEZ</u>		ENVIRONMENTAL SPECIALIST: <u>NV</u>

SOIL REMEDIATION: EXCAVATION APPROX. 13 FT. x 15 FT. x 12 FT. DEEP.
DISPOSAL FACILITY: LANDFILLED ON-SITE CUBIC YARDAGE: 85
LAND USE: RANGE LEASE: NM-03549

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 90 FEET N20E FROM WELLHEAD.
DEPTH TO GROUNDWATER: <100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER >1000
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM FORMATION: DK

SOIL AND EXCAVATION DESCRIPTION:

DR. YELL. BROWN SAND, NON-COHESIVE, SLIGHTLY MOIST,
FIRM, NO APPARENT HC OR R.

FIELD 418.1 CALCULATIONS

FIELD 418.1 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
⑤ @ 12'	TAH-1025	10	20	1:1	48	96

SCALE

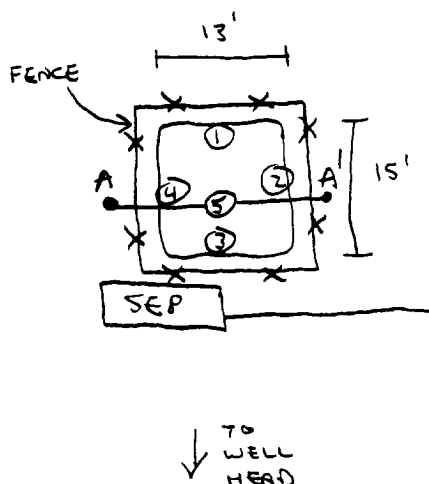
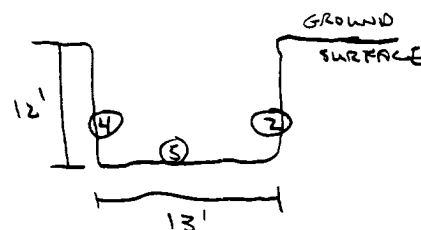


0 FT

PIT PERIMETER TN

OVM RESULTS

PIT PROFILE

[illegible]

TRAVEL NOTES: CALL OUT: 7/12/94 ONSITE: 7/14/94

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 @ 12'
Project Location: Bolack 2 E
Laboratory Number: TPH-1025

Project #:
Date Analyzed: 7-15-94
Date Reported: 7-15-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	96	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	1620	1520	6.37

*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 - B0019

Nelson Velz
Analyst

R. E. O'Neil
Review



Date: 7/12/94

[illegible]

Distribution:	White – On Site	Yellow – LAB	Pink – Sampler	Goldenrod – Client
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CHAIN OF CUSTODY RECORD

NE 1610

Date: 7/15/94 Page 1 of 1

657 W. Maple • P. O. Box 2606 • Farmington, NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Boo 19

Purchase Order No.:		Reference No.:		Name		Title	
SEND INVOICE TO		Company		Company		Title	
Address		Dept.		Mailing Address			
City, State, Zip				City, State, Zip			
Special Instructions:				Telephone No.		Telefax No.	
SAMPLER: <i>Goldenrod</i>		SAMPLE IDENTIFICATION		COMPOSITE/ GRAB		PRESERVATIVES	
DATE/TIME SAMPLED		DATE/TIME SAMPLED		DATE/TIME SAMPLED		DATE/TIME SAMPLED	
1989-1610		1989-1610		1989-1610		1989-1610	
ANALYSIS REQUESTED		ANALYSIS REQUESTED		ANALYSIS REQUESTED		ANALYSIS REQUESTED	
REMARKS (matrix)		REMARKS (matrix)		REMARKS (matrix)		REMARKS (matrix)	
RECEIVED BY: <i>Goldenrod</i>		RECEIVED BY: <i>Goldenrod</i>		RECEIVED BY: <i>Goldenrod</i>		RECEIVED BY: <i>Goldenrod</i>	
DATE/TIME: <i>7/15/94 16:39</i>		DATE/TIME: <i>7/15/94 16:39</i>		DATE/TIME: <i>7/15/94 16:39</i>		DATE/TIME: <i>7/15/94 16:39</i>	
RECEIVED BY: <i>Goldenrod</i>		RECEIVED BY: <i>Goldenrod</i>		RECEIVED BY: <i>Goldenrod</i>		RECEIVED BY: <i>Goldenrod</i>	
DATE/TIME: <i>7/15/94 16:39</i>		DATE/TIME: <i>7/15/94 16:39</i>		DATE/TIME: <i>7/15/94 16:39</i>		DATE/TIME: <i>7/15/94 16:39</i>	
RECEIVED BY: <i>Goldenrod</i>		RECEIVED BY: <i>Goldenrod</i>		RECEIVED BY: <i>Goldenrod</i>		RECEIVED BY: <i>Goldenrod</i>	
DATE/TIME: <i>7/15/94 16:39</i>		DATE/TIME: <i>7/15/94 16:39</i>		DATE/TIME: <i>7/15/94 16:39</i>		DATE/TIME: <i>7/15/94 16:39</i>	
METHOD OF SHIPMENT:		METHOD OF SHIPMENT:		METHOD OF SHIPMENT:		METHOD OF SHIPMENT:	
AUTHORIZED BY: <i>Goldenrod</i>		AUTHORIZED BY: <i>Goldenrod</i>		AUTHORIZED BY: <i>Goldenrod</i>		AUTHORIZED BY: <i>Goldenrod</i>	
DATE: <i>7/15/94</i>		DATE: <i>7/15/94</i>		DATE: <i>7/15/94</i>		DATE: <i>7/15/94</i>	
DISTRIBUTION: White - On Site Yellow - LAB Pink - Sampler Goldenrod - Client		DISTRIBUTION: White - On Site Yellow - LAB Pink - Sampler Goldenrod - Client		DISTRIBUTION: White - On Site Yellow - LAB Pink - Sampler Goldenrod - Client		DISTRIBUTION: White - On Site Yellow - LAB Pink - Sampler Goldenrod - Client	

CLIENT: BPBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80019C.O.C. NO: 8417

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: BOLACK WELL #: ZE (2M) PITS: BLW, DENY, PROD, SEPDATE STARTED: 6/13/01

DATE FINISHED: _____

QUAD/UNIT: J SEC: 19 TWP: 28N RNG: 8W PM: NM CNTY: SJ ST: NMENVIRONMENTAL
SPECIALIST: NVQTR/FOOTAGE: _____ mlse CONTRACTOR: P+S

SOIL REMEDIATION:

271

REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 200LAND USE: RANGE-BLMLIFT DEPTH (ft): 1.5-2

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOCB RANKING SCORE: 0 NMOCB TPH CLOSURE STD: 1000 PPM

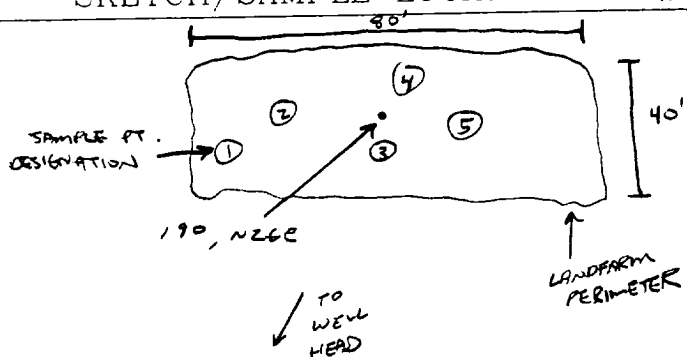
VERY PALE ORANGE TO MOD. YELL. BROWN SAND, NON COHESIVE, DRY TO SLIGHTLY MOIST, LOOSE TO FIRM, NO APPARENT DISCOLORATION/STAINING OBSERVED OR HC ODOR DETECTED @ ANY OF THE SAMPLE PTS. OR DUM SAMPLE, SAMPLE DEPTHS RANGE 6"-12", COLLECTED 5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

CLOSED

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS

OVM CALIB. READ. 52.9 ppm
TIME: 1000 @/pm 6/13/01

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.7	LF-1	TPH (8015)	1300	ND

SCALE

0  1 FTTRAVEL NOTES: CALLOUT: N/AONSITE: 6/13/01

revised: 03/12/01

bei1006.skd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

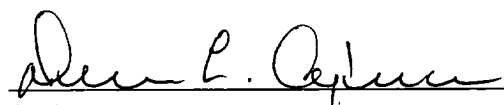
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	06-15-01
Laboratory Number:	20030	Date Sampled:	06-13-01
Chain of Custody No:	8417	Date Received:	06-14-01
Sample Matrix:	Soil	Date Extracted:	06-14-01
Preservative:	Cool	Date Analyzed:	06-15-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

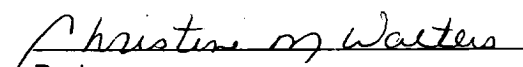
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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: **Bolack #2E (2M) Landfarm. 5 Pt. Composite.**


Analyst


Review

CHAIN OF CUSTODY RECORD

08417

Client / Project Name		Project Location		ANALYSIS / PARAMETERS												
BLAKE / BP		BLAKE LEASE														
Sampler: NJV		Client No. 94034-010		No. of Containers		TPH (3015)								Remarks		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix												
SP-1	6/13/01	1145	20029	SOIL											1 ✓	PRESERVED COOL STOCKPILE BOLACK #1
LF-1	6/13/01	1300	20030	SOIL											1 ✓	LANDFILL BOLACK #2E (2M)
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time						
John V.		6/14/01		1449		D. L. Oph...		6-14-01		1449						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time						
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615														Sample Receipt Y N N/A Received Intact ✓ Cool - Ice/Blue Ice ✓		