

80131

District I

State of New Mexico

P.O. Box 1980, Hobbs, NM

Energy, Minerals and Natural Resources Department

District II

P.O. Box 1980, Hobbs, NM

District III

1000 Rio Brazos Rd., Santa Fe, NM 87504

DEPUTY OIL & GAS INSPECTOR

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: FERSEL, FRED J1

Well Name

Location: Unit or Qtr/Qtr Sec G sec 34 T 28N R 10W County SAN JUAN

Pit Type: Separator Dehydrator Other BLOW

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length NA, width NA, depth NA
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 160'

Direction from reference: 77 Degrees X East North X
of
 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) 0
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): 0

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DIST. 3

Date Remediation Started: _____ Date Completed: 10/24/94

Remediation Method: Excavation ☒ Approx. cubic yards NA
 (Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
 Other CLOSE AS IS

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 14'

Sample date 10/24/94 Sample time 1030

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 0.0

TPH 40 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 10/24/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

Plb

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80131</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>FRED FEASEL</u> WELL #: <u>J1</u> PIT: <u>BLOW</u>		DATE STARTED: <u>10/24/94</u> DATE FINISHED: _____
QUAD/UNIT: <u>6</u> SEC: <u>34</u> TWP: <u>28N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>ST NM</u>		ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>SW/4 NE/4</u> CONTRACTOR: <u>EPC</u>		

EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>NA</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>CLOSE AS IS</u>
LAND USE: <u>RANGE</u> LEASE: <u>SF-046563</u> FORMATION: <u>OK</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>160</u> FT. <u>N77E</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>	
NMOCB RANKING SCORE: <u>0</u> NMOCB TPH CLOSURE STD: <u>5000</u> PPM	CHECK ONE: <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED
SOIL AND EXCAVATION DESCRIPTION:	

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

CLOSED

SCALE
0 FT

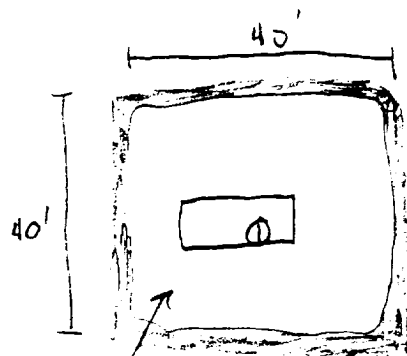
FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1030	① @ 14'	TPH-1213	5	20	1:1	10	40

PIT PERIMETER

OVM RESULTS

PIT PROFILE



PIT AREA
APPROX. 4' BGS

BERM

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 14'	0.0
2	
3	
4	
5	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

NOT APPLICABLE

TRAVEL NOTES:	CALLOUT: <u>10/24/94</u>	ONSITE: <u>10/24/94</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:	1 @ 14'	Date Analyzed:	10-24-94
Project Location:	Feasel, Fred J 1	Date Reported:	10-24-94
Laboratory Number:	TPH-1213	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	40	20

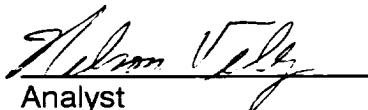
ND = Not Detectable at stated detection limits.

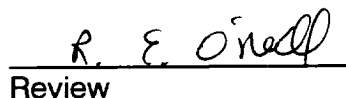
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	1024	1044	1.93

*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 - B0131


Analyst


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

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AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>Amoco Production Company</u>		Telephone: <u>(505) - 326-9200</u>
Address: <u>200 Amoco Court, Farmington, New Mexico 87401</u>		
Facility Or: <u>FEASEL, FRED J1</u> Well Name		
Location: Unit or Qtr/Qtr Sec <u>G</u> sec <u>34</u> T <u>28N</u> R <u>10W</u> County <u>SAN JUAN</u>		
Pit Type: Separator <input checked="" type="checkbox"/> Dehydrator <input type="checkbox"/> Other <input type="checkbox"/>		
Land Type: BLM <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Other <input type="checkbox"/>		
Pit Location: Pit dimensions: length <u>19'</u> , width <u>17'</u> , depth <u>16'</u> (Attach diagram)		
Reference: wellhead <input checked="" type="checkbox"/> , other <input type="checkbox"/>		
Footage from reference: <u>163'</u>		
Direction from reference: <u>25</u> Degrees <input checked="" type="checkbox"/> East North <input checked="" type="checkbox"/> of <input type="checkbox"/> West South <input type="checkbox"/>		
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)	<u>0</u>
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)	<u>0</u>
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)	<u>0</u>
RANKING SCORE (TOTAL POINTS):		<u>0</u>

Date Remediation Started: _____ Date Completed: 10/25/94

Remediation Method: Excavation ☒ Approx. cubic yards 190
 (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 19'

Sample date 10/24/94 Sample time 0900

Sample Results

Benzene(ppm) 0.097

Total BTEX(ppm) 30.424

Field headspace(ppm) 809

TPH 2880 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 10/25/94

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>80131</u> C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>FRED FERSEL</u> WELL #: <u>J1</u> PIT: <u>SEP</u> QUAD/UNIT: <u>G</u> SEC: <u>34</u> TWP: <u>28N</u> RNG: <u>10W</u> PM: <u>Nm</u> CNTY: <u>ST. NM</u> QTR/FOOTAGE: <u>SW/4</u> <u>NE/4</u> CONTRACTOR: <u>EPC</u>	DATE STARTED: <u>10/24/94</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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EXCAVATION APPROX. <u>19</u> FT. x <u>17</u> FT. x <u>16</u> FT. DEEP.	CUBIC YARDAGE: <u>190</u>	
DISPOSAL FACILITY: <u>ON-SITE</u>	REMEDIAION METHOD: <u>LANDFARM</u>	
LAND USE: <u>RANGE</u>	LEASE: <u>3F-046563</u>	FORMATION: <u>OK</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>163</u> FT. <u>N25E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMCD RANKING SCORE: <u>0</u> NMCD TPH CLOSURE STD: <u>5000</u> PPM SOIL AND EXCAVATION DESCRIPTION:
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CHECK ONE:
<input type="checkbox"/> PIT ABANDONED
<input checked="" type="checkbox"/> STEEL TANK INSTALLED

OLIVE TO LT. GRAY (BOTTOM) SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, STRONG HC OOR IN ALL OUM SAMPLES.



CLOSE PIT

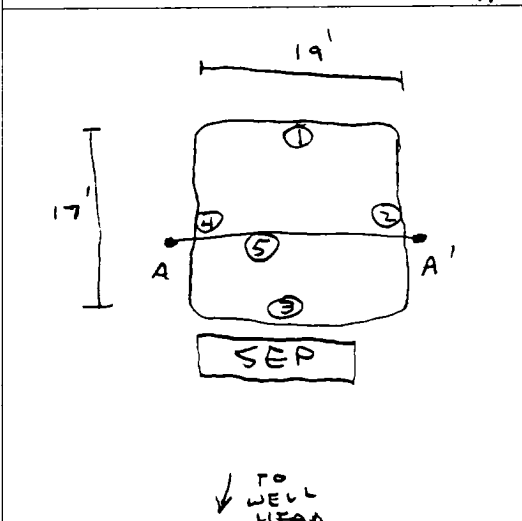
FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0900	⑤ @ 19'	TPH-1212	5	20	10:1	72	2,880

PIT PERIMETER

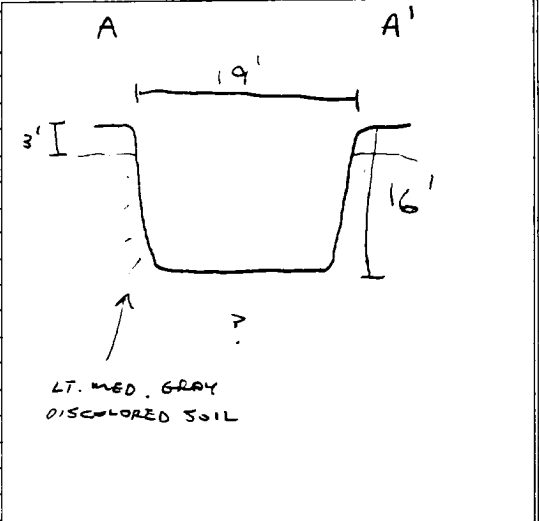
OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 12'	345
2 @ 10'	616
3 @ 11'	720
4 @ 13'	472
5 @ 19'	809

SAMPLE ID	ANALYSIS	TIME
⑤ @ 19'	8TEX	0900



TRAVEL NOTES:	CALLOUT: <u>10/24/94</u>	ONSITE: <u>10/24/94</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:	5 @ 19'	Date Analyzed:	10-24-94
Project Location:	Feasel, Fred J 1	Date Reported:	10-24-94
Laboratory Number:	TPH-1212	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	2,900	200

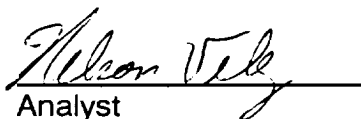
ND = Not Detectable at stated detection limits.

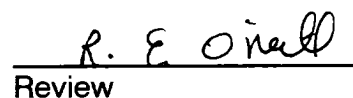
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	1024	1044	1.93

*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 - B0131


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: *10/25/94*
Lab ID: *2160*
Sample ID: *3716*
Job No. *2-1000*

Project Name: *Feasel, Fred J1*
Project Location: *5 @ 19' - Separator Pit*
Sampled by: *NV* Date: *10/24/94*
Analyzed by: *DLA* Date: *10/25/94*
Sample Matrix: *Soil*

Time: *9:00*

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	<i>97</i>	<i>0.2</i>
<i>Toluene</i>	<i>4,948</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>2,225</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>19,125</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>4,028</i>	<i>0.2</i>
	<i>TOTAL 30,424 ug/kg</i>	

ND - Not Detectable

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

Approved by:
Date:

DLA
10/25/94

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -