

District I
P.O. Box 198J, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

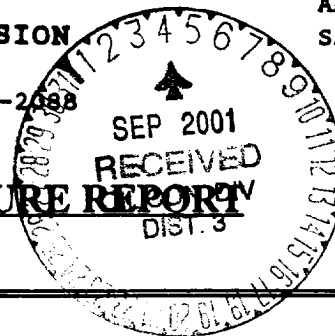
Blow-OK - 12/14/01
Comp - belrock ASK
Sep-OK
State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

80134
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: HEATH GAS Com J #1
Well Name
Location: Unit or Qtr/Qtr Sec 6 Sec 9 T29N R 9W County SAN JUAN
Pit Type: Separator Dehydrator Other Blow
Land Type: BLM , State , Fee , Other Com. AGMT.

Pit Location: Pit dimensions: length 30, width 30, depth 2
(Attach diagram)
Reference: wellhead X, other
Footage from reference: 150'
Direction from reference: 0 Degrees 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

Date Remediation Started: _____ Date Completed: 10-26-94

Remediation Method: Excavation X Approx. cubic yards 50
 (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

nmoed letter correspondence 12-4-96

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 2'

Sample date 10-26-94 Sample time _____

Sample Results

Benzene(ppm) 0.023

Total BTEX(ppm) 6.299

Field headspace(ppm) 163

TPH 3700 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 11/4/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

FINAL " " " " 10-28-94 "
INITIAL RESULTS TO BOB MCCOY 10-26-94 P 60

CLIENT: <u>Amoco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B0134</u> C.O.C. NO: <u>2166</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>HORTH GAS com J</u> WELL #: <u>1</u> PIT: <u>Blow</u>	DATE STARTED: <u>10-26-94</u>
QUAD/UNIT: <u>G</u> SEC: <u>9</u> TWP: <u>29N</u> RNG: <u>9W</u> BM: <u>NH</u> CNTY: <u>SJ</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>SW/NE</u> CONTRACTOR: <u>PAUL + SONS</u>	ENVIRONMENTAL SPECIALIST: <u>REO</u>

EXCAVATION APPROX. 30 FT. x 30 FT. x 2 FT. DEEP. CUBIC YARDS: 50
DISPOSAL FACILITY: ON SITE REMEDIATION METHOD: LANDFARM
LAND USE: RANGE LEASE: SF-076337 FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>150</u> FEET <u>NORTH</u> FROM WELLHEAD		
DEPTH TO GROUNDWATER: <u>>100'</u>	NEAREST WATER SOURCE: <u>>1000'</u>	NEAREST SURFACE WATER: <u>>1000'</u>	
NMOC D RANKING SCORE: <u>0</u>	NMOC D TPH CLOSURE STD: <u>5000</u> PPM		

SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED

PIT SCURED TO HARD BEDROCK BOTTOM. NO BOTTOM SAMPLE POSSIBLE.

EDGES OF EXCAVATION CONSIST OF SILTY SAND OVER SANDSTONE. BROWN, MOIST, SAND.

NO WORM OR STRAIN DETECTABLE.

FIELD 418.1 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
SES@2'	1226	10.0	20.0	10	185	3700

BTER ok
CLOSE PIT

SCALE

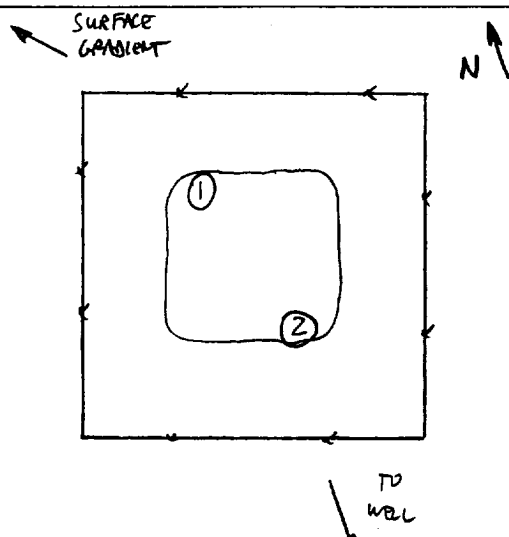


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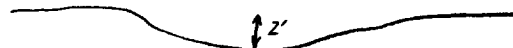
PIT PERIMETER

OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 NWS@2'	21
2 SES@2'	163
3	
4	
5	
LAB	SAMPLES
SES@2'	BTEX



TRAVEL NOTES: CALLOUT: 10-25-94 ONSITE: 10-26-94 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:	SE Side @ 2'	Date Analyzed:	10-26-94
Project Location:	Heath GC J 1	Date Reported:	10-26-94
Laboratory Number:	TPH-1226	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	3700	100

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	3,400	2,920	15

*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 - B0134

R. E. O'Neil
Analyst

Nelson Vely
Review

OFF: (505) 325-8786



LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn: *R. E. O'Neill*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfield, NM 87413*

Date: *10/27/94*
Lab ID: *2166*
Sample ID: *3754*
Job No. *2-1000*

Project Name: *Heath Gas Com J #1*
Project Location: *SES @ 2' - Blow Pit*
Sampled by: *REO* Date: *10/26/94*
Analyzed by: *DLA* Date: *10/27/94*
Sample Matrix: *Soil*

Time: *12:00*

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	<i>23</i>	<i>0.2</i>
<i>Toluene</i>	<i>607</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>145</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>4,315</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>1,211</i>	<i>0.2</i>
	<i>TOTAL 6,299 ug/kg</i>	

ND - Not Detectable

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

Approved by:

Date:

Do G
10/27/94

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

80134

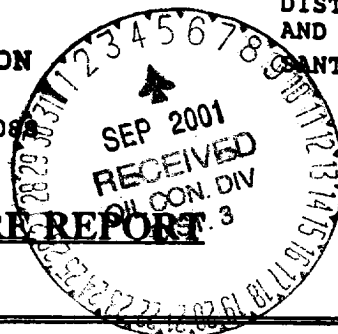
District I
P.O. Box 1980, Hobbs, NM
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P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

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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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: HEATH GAS Com J * 1
Well Name
Location: Unit or Qtr/Qtr Sec G Sec 9 T 29N R 9W County SAN JUAN
Pit Type: Separator Dehydrator Other COMPRESSOR
Land Type: BLM State, Fee Other Com. AGMT.

Pit Location: Pit dimensions: length 18', width 18', depth 5'
(Attach diagram)
Reference: wellhead X, other _____
Footage from reference: 105
Direction from reference: 90 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

Date Remediation Started: 10-26-94 Date Completed: 10-31-94

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

nmocd letter correspondence 12-4-96

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 4'

Sample date 10-31-99 Sample time

Sample Results

Benzene (ppm) 0.104

Total BTEX (ppm) 96.08

Field headspace (ppm) 601

TPH 4520 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 11/4/99

SIGNATURE

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

FINAL " " " " 10-31-94 RFO
INITIAL RESULTS TO BOB MICOT 10-26-94 RFO

CLIENT: <u>Amoco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80134</u> C.D.C. NO: <u>2245</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>HEATH GAS COM J</u> WELL #: <u>1</u> PIT: <u>ABAND. COMPR.</u>	DATE STARTED: <u>10-26-94</u>
QUAD/UNIT: <u>G</u> SEC: <u>9</u> TWP: <u>29 N</u> RNG: <u>9 W</u> BM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	DATE FINISHED: <u>10-31-94</u>
QTR/FOOTAGE: <u>SW/NE</u> CONTRACTOR: <u>PAUL + SONS</u>	ENVIRONMENTAL SPECIALIST: <u>RFO</u>

EXCAVATION APPROX. <u>18</u> FT. x <u>18</u> FT. x <u>5</u> FT. DEEP.	CUBIC YARDS: <u>60</u>
DISPOSAL FACILITY: <u>ON SIDE</u>	REMEDATION METHOD: <u>LANDFARM</u>
LAND USE: <u>RANGE</u>	LEASE: <u>SF-076337</u> FORMATION: <u></u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>105</u> FEET <u>EAST</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: PIT DISPOSITION: <u>ABANDONED</u>	
<u>MOIST, BROWN WITH GRAY SKEAKING FROM HYDROCARBON STAIN.</u>	<u>PIT STILL DIRTY.</u>
<u>SANDY SILTSTONE -> SOFT SANDSTONE - SLIGHT ODOOR + STAIN,</u>	
<u>BOTTOM HARD SANDSTONE.</u>	

10-31-94 EXCAVATION EXPANDED - SIDEWALLS RE-SAMPLED

CLOSED DUE TO BEDROCK ENCOUNTERED. SW

BEDROCK
BOTTOM

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
10/26 WS @ 3'	1225	10.0	20.0	10	420	8400
10/31 WS @ 4'	1236	10.0	20.0	10	226	4520

SCALE

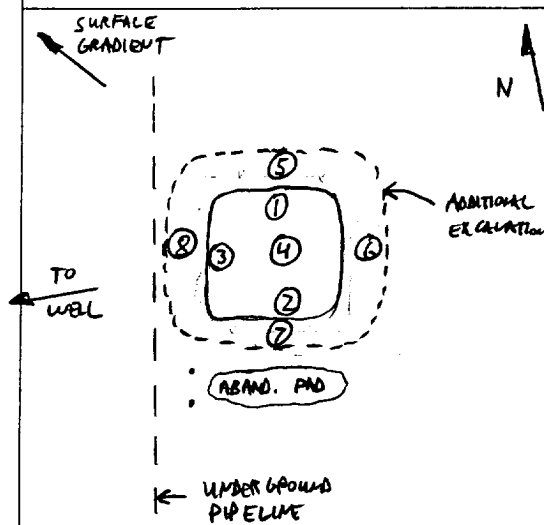


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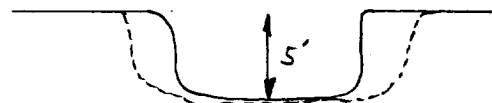
PIT PERIMETER

OVM
RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 NS @ 3'	746
2 SS @ 3'	748
3 WS @ 3'	812
4 CB @ 5'	57
5 NS @ 4'	601
6 ES @ 4'	47
7 SS @ 4'	122
8 WS @ 4'	601
LAB SAMPLES	
8 WS @ 4'	8747 (FAILED)



TRAVEL NOTES: CALLOUT: 10-25-94 ONSITE: 10-26-94 1030

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:	W Side @ 3'	Date Analyzed:	10-26-94
Project Location:	Heath GC J 1	Date Reported:	10-26-94
Laboratory Number:	TPH-1225	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	8400	100

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	3,400	2,920	15

*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 Compressor Pit - B0134

R. E. O'Neil
Analyst

Nelson Vely
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: W Side @ 4'
Project Location: Heath GC J 1
Laboratory Number: TPH-1236

Project #:
Date Analyzed: 10-31-94
Date Reported: 10-31-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	4500	100

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	3,400	2,920	15

*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 Compressor Pit - B0134

R. E. O'Neil
Analyst

Nelson Velazquez
Review

OFF: (505) 325-8786



LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn: *R. E. O'Neill*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfield, NM 87413*

Date: *11/1/94*
Lab ID: *2245*
Sample ID: *3809*
Job No. *2-1000*

Project Name: *Heath GC J #1*
Project Location: *W. Side @ 4' - Aband. Compr. Pit*
Sampled by: *REO* Date: *10/31/94*
Analyzed by: *DLA* Date: *11/1/94*
Sample Matrix: *Soil*

Time: *9:15*

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	<i>104</i>	<i>0.2</i>
<i>Toluene</i>	<i>14,243</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>4,622</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>65,296</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>11,816</i>	<i>0.2</i>
	<i>TOTAL 96,080 ug/kg</i>	

ND - Not Detectable

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

Approved by:
Date:

Jan 6x
11/2/94

P. O. BOX 2606 • FARMINGTON, NM 87499

— TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT —

80134

District I

P.O. Box 1980, Hobbs, NM

District II

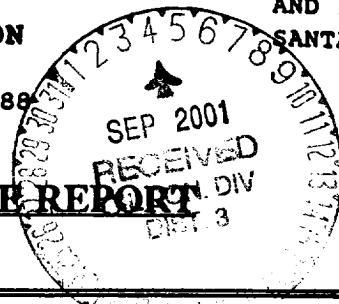
P.O. Drawer DD, Artesia, NM 88211

District III

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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Santa Fe, New Mexico 87504-2088SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICEPIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: HEATH GAS COM J #1

Well Name

Location: Unit or Qtr/Qtr sec 6 Sec 9 T29N R 9W County SAN JUAN

Pit Type: Separator X Dehydrator Other

Land Type: BLM , State , Fee , Other COM - AGMT.

Pit Location: Pit dimensions: length 20', width 15', depth 12'
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 140

Direction from reference: 80 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) 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

Date Remediation Started: _____ Date Completed: 10-26-94Remediation 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

nmcd letter correspondence12-4-96Ground 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 7'Sample date 10-26-94 Sample time _____

Sample Results

Benzene(ppm) 0.022Total BTEX(ppm) 4.942Field headspace(ppm) 439TPH 740 ppmGround 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 11/4/94SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw
Environmental Coordinator

LOCATION: NAME: <u>HEXON GAS COM J</u>	WELL #: <u>1</u>	PIT: <u>SEP.</u>	DATE STARTED: <u>10-26-94</u>
QUAD/UNIT: <u>G</u>	SEC: <u>9</u>	TWP: <u>29N</u>	DATE FINISHED: _____
RNG: <u>9W</u>	BM: <u>NM</u>	CNTY: <u>SJ</u>	ENVIRONMENTAL SPECIALIST: <u>PEO</u>
QTR/FOOTAGE: <u>SW/NE</u>	CONTRACTOR: <u>PAUL + SONS</u>		

EXCAVATION APPROX. 20 FT. x 15 FT. x 12 FT. DEEP. CUBIC YARDS: 120
DISPOSAL FACILITY: ON SITE REMEDIATION METHOD: LANDFARM
LAND USE: RANGE LEASE: SF - 076337 FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>140</u> FEET <u>N80°E</u> FROM WELLHEAD		
DEPTH TO GROUNDWATER: <u>7100</u>	NEAREST WATER SOURCE: <u>>1000</u>	NEAREST SURFACE WATER: <u>>1000</u>	
NMOC D RANKING SCORE: <u>0</u>	NMOC D TPH CLOSURE STD: <u>5000</u> PPM		

PIT DISPOSITION: STEEL TANK TO BE INSTALLED

MOIST, BROWN, WITH GRAY STREAKS OF STAINING - SANDY SILT SILTSTONE TO SANDSTONE.
FRACTURED - ODOR DETECTABLE + STAINING FROM HYDROCARBONS. UNIFORM PIT STAINING

BTEX OK
CLOSE PIT

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
5507	1224	10.0	20.0	—	370	740

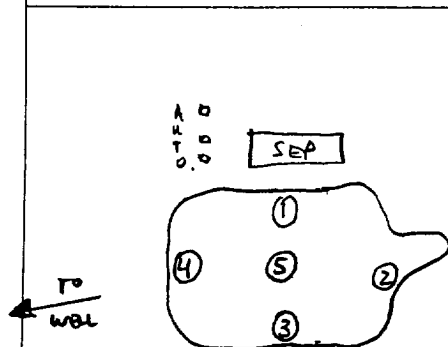
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0 5 10 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 NS08'	322
2 ESC 6'	428
3 SSC 7'	439
4 WSC 9'	402
5 CBC 12'	142
LAB	SAMPLES
SS07'	8TEK



0 900

ONSITE: 10-26-94

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: S Side @ 7'
Project Location: Heath GC J 1
Laboratory Number: TPH-1224

Project #:
Date Analyzed: 10-26-94
Date Reported: 10-26-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	740	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	3,400	2,920	15

*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 - B0134

R. E. O'neal
Analyst

Nelson Velez
Review

OFF: (505) 325-8786



LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn: *R. E. O'Neill*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfield, NM 87413*

Date: *10/27/94*
Lab ID: *2166*
Sample ID: *3753*
Job No. *2-1000*

Project Name: *Heath Gas Com J #1*
Project Location: *SS @ 7' - Separator Pit*
Sampled by: *REO* Date: *10/26/94*
Analyzed by: *DLA* Date: *10/27/94*
Sample Matrix: *Soil*

Time: *9:45*

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	<i>22</i>	<i>0.2</i>
<i>Toluene</i>	<i>550</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>236</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>3,899</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>236</i>	<i>0.2</i>
	<i>TOTAL 4,942 ug/kg</i>	

ND - Not Detectable

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

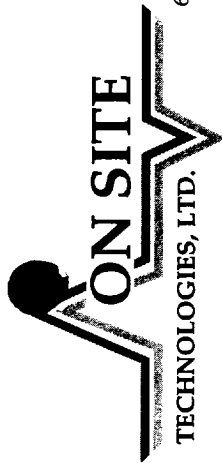
Approved by: *Ja G*

Date: *10/27/94*

P. O. BOX 2606 • FARMINGTON, NM 87499

— TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT —

[illegible]



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

Purchase Order No.:		Reference No.:	
Name		Dept.	
Company		Company	
Address		Address	
City, State, Zip		City, State, Zip	
Special Instructions:		Special Instructions:	
Sampler:		Sampler:	
Sample Identification		Preservatives	
Date/Time Sampled		Date/Time	
Composite/Grab		Date/Time	
Relinquished by:		Date/Time	
Relinquished by:		Date/Time	
Relinquished by:		Date/Time	
Method of Shipment:		Date/Time	
Authorized by:		Date	
Client Signature (Must Accompany Request)		Date	

Distribution:	White – On Site	Yellow – LAB	Pink – Sampler	Goldenrod – Client
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CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80134</u> C.O.C. NO: <u>9274</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>HEATH GC</u> T WELL #: <u>1</u> PITS: <u>Blow, comp, sep</u> QUAD/UNIT: <u>6</u> SEC: <u>9</u> TWP: <u>29N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>SWINE</u> CONTRACTOR: <u>P+S</u>	DATE STARTED: <u>7/12/01</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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SOIL REMEDIATION: REMEDIATION SYSTEM: <u>LANDFARM</u> LAND USE: <u>RANGE - Rm</u> SF-076337	APPROX. CUBIC YARDAGE: <u>230</u> LIFT DEPTH (ft): <u>2</u>
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FIELD NOTES & REMARKS:	NMOC D RANKING SCORE: <u>0</u>	NMOC D TPH CLOSURE STD: <u>5000</u> PPM
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>		

SOIL TYPE: (SAND) SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER SANDSTONE FRAGMENTS

SOIL COLOR: VERY PALE TO DR. YELL. ORANGE

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

CONSISTENCY (NON COHESIVE SOILS): (LOOSE) / (FIRM) / DENSE / VERY DENSE

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - _____

HC ODOR DETECTED: YES / NO EXPLANATION - _____

SAMPLING DEPTHS (LANDFARMS): 12-24 (INCHES)

SAMPLE TYPE: GRAB / (COMPOSITE) - # OF PTS. 5

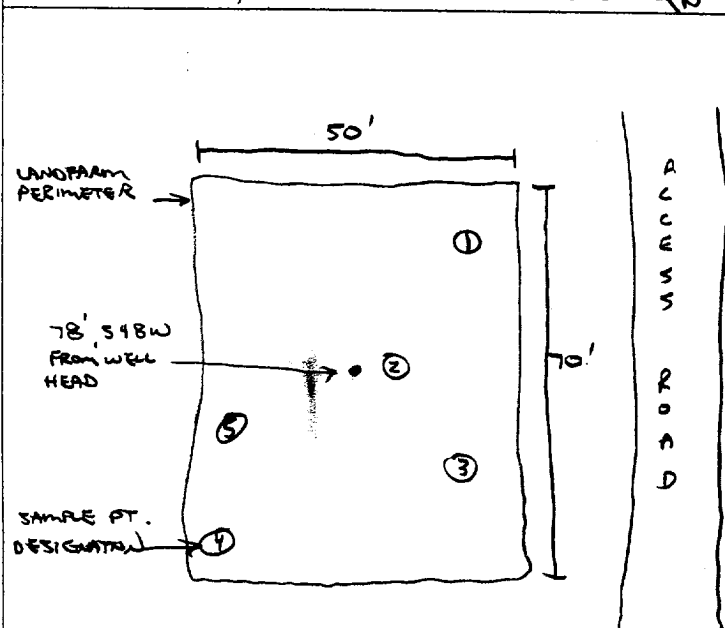
ADDITIONAL COMMENTS: DRY TO SLIGHTLY MOIST

CLOSED

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS



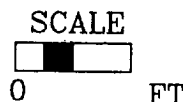
OVM CALIB. READ. <u>52.8</u> ppm
OVM CALIB. GAS = 100 ppm; RF = 0.52
TIME: <u>12:12</u> am/pm DATE: <u>7/12/01</u>

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.2	LF-1	TPH (8015)	1000	ND

P.C. - 10/26/94



TRAVEL NOTES: CALLOUT: <u>N/A</u>	ONSITE: <u>7/12/01</u>
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

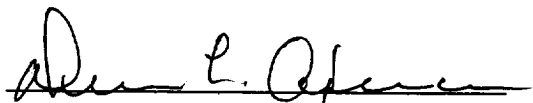
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	07-13-01
Laboratory Number:	20335	Date Sampled:	07-12-01
Chain of Custody No:	9274	Date Received:	07-12-01
Sample Matrix:	Soil	Date Extracted:	07-13-01
Preservative:	Cool	Date Analyzed:	07-13-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

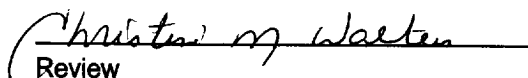
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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: Heath GC J #1 Landfarm 5 Pt. Composite.


Analyst


Review

CHAIN OF CUSTODY RECORD

09274

Client / Project Name <i>BLAES / BP</i>		Project Location <i>HEATH LEASE</i>		LANDFARMING		ANALYSIS / PARAMETERS									
Sampler: <i>NJV</i>		Client No. <i>94034-010</i>		Sample Matrix		No. of Containers		TPH (3015)						Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number												
<i>LF-1</i>	<i>7/12/01</i>	<i>1000</i>	<i>20335</i>				<i>1</i>	<i>✓</i>							<i>BOTH SAMPLES PRESERVED COOL</i>
<i>LF-1</i>	<i>7/12/01</i>	<i>1100</i>	<i>20336</i>				<i>1</i>	<i>✓</i>							<i>HEATH GC J #1</i>
															<i>HEATH GC J #1E</i>
															<i>BOTH SAMPLES</i>
															<i>5 PT. COMPOSITE</i>
Relinquished by: (Signature) <i>[Signature]</i>		Date <i>7/12/01</i>	Time <i>1317</i>	Received by: (Signature) <i>[Signature]</i>		Date <i>7-12-01</i>		Time <i>1317</i>							
Relinquished by: (Signature)				Received by: (Signature)											
Relinquished by: (Signature)				Received by: (Signature)											

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		