

3R - 15

REPORTS

DATE:

1996-1995

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

OK

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: GCU 107
Well Name

Location: Unit or Qtr/Qtr Sec D Sec 19 T29N R12W County SAN JUAN

Pit Type: Separator ___ Dehydrator ___ Other BLOW

Land Type: BLM ___ , State ___ , Fee ___ , Other UNIT AGMT.

Pit Location: Pit dimensions: length 26', width 30', depth 4'
(Attach diagram)

Reference: wellhead , other ___

Footage from reference: 135'

Direction from reference: 15 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)	<u>20</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): 20

Date Remediation Started: _____ Date Completed: 3/9/95

Remediation Method: Excavation Approx. cubic yards 55
(Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____

Other COMPOSTED

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 5'
Sample date 3/8/95 Sample time 0945

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 2.8

TPH ND

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 3/9/95

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>80244</u> C.D.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: <u>GCU</u> WELL #: <u>107</u> PIT: <u>860W</u>	DATE STARTED: <u>3/8/95</u> DATE FINISHED: _____
QUAD/UNIT: <u>D</u> SEC: <u>19</u> TWP: <u>29N</u> RNG: <u>12W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR./FOOTAGE: <u>NW/4 NW/4</u> CONTRACTOR: <u>EPC</u>	

EXCAVATION APPROX. 26 FT. x 30 FT. x 4 FT. DEEP. CUBIC YARDAGE: 55
 DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: COMPOSTED
 LAND USE: INDUSTRIAL LEASE: _____ FORMATION: OK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 135 FT. NISE FROM WELLHEAD.
 DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
 NMDCD RANKING SCORE: 20 NMDCD TPH CLOSURE STD: 100 PPM

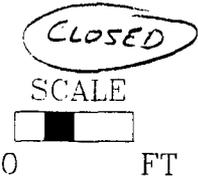
CHECK ONE:
 PIT ABANDONED
 STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

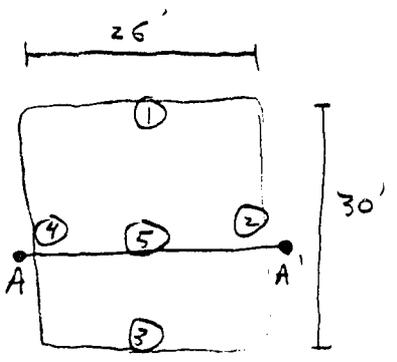
MOD. VELL. BROWN & GRAYISH ORANGE (SOUTH SIDEWALL ONLY) SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT HC ODOR.

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0945	⑤ @ 5'	TM-1414	5	20	1:1	5	ND



PIT PERIMETER

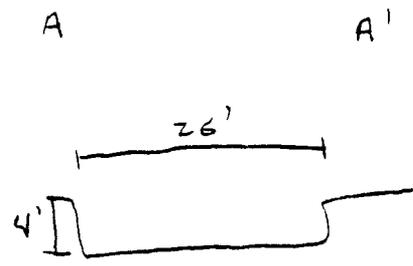


UPLOPE DIRECTION ↓
 TO WELL HEAD ↓

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 2'	2.2
2 @ 3'	1.2
3 @ 3'	0.9
4 @ 2'	0.9
5 @ 5'	2.8

PIT PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES: CALLOUT: 3/8/95 ONSITE: 3/8/95

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 @ 5' Date Analyzed: 03-09-95
Project Location: GCU 107 Date Reported: 03-09-95
Laboratory Number: TPH-1414 Sample Matrix: Soil

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

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% * Diff.
	3000	3182	5.89

*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 - B0244

Heleen Velt
Analyst

R. E. O'Neill
Review

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Amoco Production Company

3. Address and Telephone No.

200 Amoco Court, Farmington, N.M. 87401 Tel: (505) 326-9200

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW/4 NW/4, SEC. 19, T29N, R12W, NMPM

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. Undr CA, Agreement Designation

892000844F

8. Well Name and No.

GCA 107

9. API Well No.

3004508131

10. Field and Pool, or Exploratory Area

DAKOTA

11. County or Parish, State

SAN JUAN, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Pit closure
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pit closure verification - see attached documentation.

BLOW PIT - ABANDONED

DRIP PIT - STEEL TANK INSTALLED

SEPARATOR PIT - ABANDONED

14. I hereby certify that the foregoing is true and correct

Signed

B. Shaw

Title

Enviro. Coordinator

Date

4/10/95

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

CLIENT: <u>Amoco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80244</u> C.D.C. NO: <u>ANALYT.</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: <u>6CY 107</u>	PITS: <u>Blow-down - sep.</u>	DATE STARTED: <u>1-23-96</u>
QUAD/UNIT: <u>D SEC: 19 TWP: 29N RNG: 12 W BM: NM CNTY: SJ ST: NM</u>		DATE FINISHED: _____
QTR/FOOTAGE: _____	CONTRACTOR: <u>EPC</u>	ENVIRONMENTAL SPECIALIST: <u>REG</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: COMPOST APPROX. CUBIC YARDAGE: 1195

LAND USE: INDUSTRIAL BUSINESS LEASE: _____

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOC D RANKING SCORE: 20 NMOC D TPH CLOSURE STD: 100 PPM ? (1000)

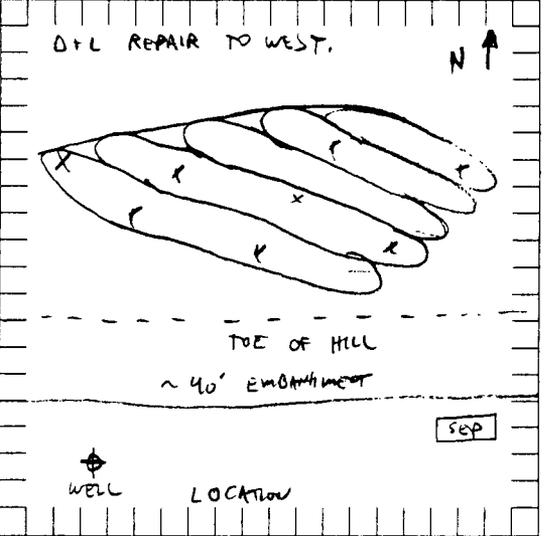
COMPOSITE SAMPLE TAKEN OF COMPOST PILES,
MOIST, BROWN, SILT-SAND-COBBLE MIXTURE - NO ODOOR, NO STAIN APPEARANT,
COMPOST PILES LOCATED NORTH OF LOCATION AT A LOWER ELEVATION.

FIELD 418.1 CALCULATIONS

CLOSE COMPOST PILE

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

SKETCH/SAMPLE LOCATIONS

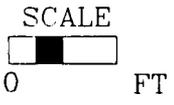


OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
COMP. A	65

LAB SAMPLES

SAMPLE ID	ANALYSIS
COMP. A	8015 = 66.2 PPM



TRAVEL NOTES: CALLOUT: 1-23-96 ONSITE: 1-23-96 1030

TOTAL VOLATILE PETROLEUM HYDROCARBONS Gasoline Range Organics

Blagg Engineering, Inc.

Project ID: Amoco/GCU 107
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 01/29/96
Date Sampled: 01/23/96
Date Received: 01/25/96
Date Extracted: 01/25/96
Date Analyzed: 01/27/96

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Comp A	2500	ND	16.9

ND- Analyte not detected at the stated detection limit.

Quality Control: Surrogate % Recovery Acceptance Limits
 Trifluorotoluene 96% 50 - 150%

Reference: Method for the Determination of Gasoline Range Organics,
 State of Tennessee, Department of Environment and Conservation, Division
 of Underground Storage Tanks.

Comments:


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

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

*GW above pits
Determine extent*

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: GCU 107
Well Name

Location: Unit or Qtr/Qtr Sec D Sec 19 T29N R12W county SAN JUAN

Pit Type: Separator Dehydrator Other

Land Type: BLM , State , Fee , Other UNIT AGMT.

Pit Location: Pit dimensions: length 29', width 33', depth 28'
(Attach diagram)

Reference: wellhead , other

Footage from reference: 240'

Direction from reference: 50 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)	<u>20</u>
Greater than 100 feet	(0 Points)	

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)	<u>0</u>
No	(0 points)	

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)	<u>0</u>
Greater than 1000 feet	(0 points)	

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: _____ Date Completed: 4/10/95

Remediation Method: Excavation Approx. cubic yards 1,140
(Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
Other COMPOSTED

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 25'-26'

Final Pit: Sample location see Attached Documents

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

Sample depth _____

Sample date _____ Sample time _____

Sample Results
Benzene (ppm) _____
Total BTEX (ppm) _____
Field headspace (ppm) _____
TPH _____

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 4/10/95

SIGNATURE B. Shaw

PRINTED NAME AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

CLIENT: AMOCO **BLAGG ENGINEERING, INC.**
 P.O. BOX 87, BLOOMFIELD, NM 87413
 (505) 632-1199

LOCATION NO: 80244
 C.O.C. NO: 2904
2918

FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: GCLL WELL #: 107 PIT: SEP
 QUAD/UNIT: D SEC: A TWP: 29N RNG: 12W PM: Nm CNTY: ST STNM
 QTR/FOOTAGE: NW/4 NW/4 CONTRACTOR: EPC
 ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX 29 FT. x 38 FT. x 25 FT. DEEP. CUBIC YARDAGE: 1,140
 DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: COMPOSTED
 LAND USE: INDUSTRIAL LEASE: _____ FORMATION: OK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 240 FT. N50E FROM WELLHEAD.
 DEPTH TO GROUNDWATER: 650' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
 NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

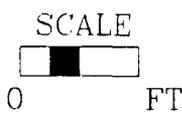
CHECK ONE:
 PIT ABANDONED
 STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

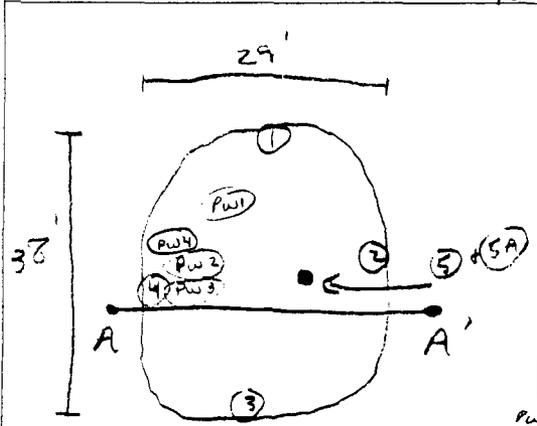
VARYING COLORS FROM GRAYISH ORANGE TO DK. YELL. BROWN SAND/GRAVEL,
 NON-COHESIVE, SLIGHTLY MOIST, FIRM, STRONG HC ODOR IN BOTTOM.
 CONTRACTOR WILL CONTINUE EXCAVATION IN VERTICAL DIRECTION.

FIELD 418.1 CALCULATIONS

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



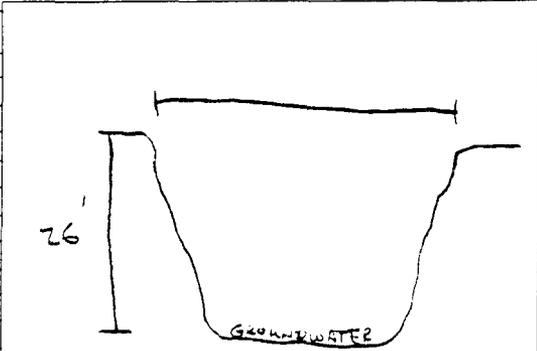
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE FID (ppm)
1 @ 12'	2.5
2 @ 12'	1.7
3 @ 12'	1.7
4 @ 8'	10.0
5 @ 18'	521
SAP 20'	502

PIT PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	
Pw1 @ Gw (25')	BTEX	1350	3/9
Pw2 @ Gw (24')	BTEX	1110	3/23
Pw3 @ Gw (26')	BTEX	1510	3/30
Pw4 @ Gw (26')	BTEX	1020	4/10

TRAVEL NOTES: CALLOUT: 3/8/95 ONSITE: 3/8/95



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: *3/10/95*
Lab ID: *2904*
Sample ID: *5441*
Job No. *2-1000*

Project Name: *GCU 107*
Project Location: *PW 1 @ GW (25') - Sep. Pit*
Sampled by: *NV* Date: *3/9/95* Time: *13:50*
Analyzed by: *DLA* Date: *3/10/95*
Sample Matrix: *Water*

Aromatic Volatile Organics

Component	Measured Concentration ug/L	Detection Limit Concentration ug/L
<i>Benzene</i>	<i>73</i>	<i>0.2</i>
<i>Toluene</i>	<i>1,031</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>651</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>3,573</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>1,173</i>	<i>0.2</i>
	<i>TOTAL 6,501 ug/L</i>	

ND - Not Detectable

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

Approved by: *[Signature]*
Date: *3/10/95*



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: *3/23/95*
Lab ID: *2918*
Sample ID: *5648*
Job No. *2-1000*

Project Name: *GCU 107*
Project Location: *PW 2 @ GW (26') - Sep. Pit*
Sampled by: *NV* Date: *3/23/95* Time: *11:10*
Analyzed by: *DLA* Date: *3/23/95*
Sample Matrix: *Water*

Aromatic Volatile Organics

Component	Measured Concentration ug/L	Detection Limit Concentration ug/L
<i>Benzene</i>	<i>17.8</i>	<i>0.2</i>
<i>Toluene</i>	<i>334.7</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>282.6</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>1390.5</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>514.7</i>	<i>0.2</i>
	<i>TOTAL 2540.4 ug/L</i>	

ND - Not Detectable

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

Approved by: *Ja G*
Date: *3/23/95*

P. O. BOX 2606 • FARMINGTON, NM 87499



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: *3/30/95*
Lab ID: *2964*
Sample ID: *5715*
Job No. *2-1000*

Project Name: *GCU 107*
Project Location: *PW 3 @ GW (26') - Sep. Pit*
Sampled by: *NV* Date: *3/30/95*
Analyzed by: *DLA* Date: *3/31/95*
Sample Matrix: *Water*

Time: *15:10*

Aromatic Volatile Organics

Component	Measured Concentration ug/L	Detection Limit Concentration ug/L
<i>Benzene</i>	<i>14.0</i>	<i>0.2</i>
<i>Toluene</i>	<i>63.6</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>1.4</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>588.1</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>436.5</i>	<i>0.2</i>
	<i>TOTAL 1103.7 ug/L</i>	

ND - Not Detectable

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

Approved by: *[Signature]*
Date: *3/31/95*



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: *4/10/95*
Lab ID: *2923*
Sample ID: *5841*
Job No. *2-1000*

Project Name: *GCU 107*
Project Location: *PW 4 @ GW(26') - Sep. Pit*
Sampled by: *NV* Date: *4/10/95* Time: *10:20*
Analyzed by: *DC* Date: *4/10/95*
Sample Matrix: *Water*

Aromatic Volatile Organics

<i>Component</i>	<i>Measured Concentration ug/L</i>	<i>Detection Limit Concentration ug/L</i>
<i>Benzene</i>	<i>0.4</i>	<i>0.2</i>
<i>Toluene</i>	<i>5.9</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>2.0</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>1.0</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>106.9</i>	<i>0.2</i>
	<i>TOTAL 116.2 ug/L</i>	

ND - Not Detectable

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

Approved by: *D-6*
Date: *4/10/95*

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

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

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

*above
limits*

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: GCU 107
Well Name

Location: Unit or Qtr/Qtr Sec D Sec 19 T 29 R 12 W County SAN JUAN

Pit Type: Separator Dehydrator Other DRIP

Land Type: BLM , State , Fee , Other UNIT AGMT.

Pit Location: Pit dimensions: length 26', width 18', depth 24'
(Attach diagram)

Reference: wellhead , other

Footage from reference: 420'

Direction from reference: 26 Degrees East North
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) 20
high water elevation of ground water)

Wellhead Protection Area: Yes (20 points) 0
(Less than 200 feet from a private No (0 points)
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) 0
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points)
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: _____ Date Completed: 4/7/95

Remediation Method: Excavation Approx. cubic yards 400
(Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
Other COMPOSTED

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 24'
Sample date 3/31/95 Sample time 1315

Sample Results
Benzene (ppm) _____
Total BTEX (ppm) _____
Field headspace (ppm) 816
TPH 34,000 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 4/7/95
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>B0244</u>
		C.O.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: <u>GCU</u>	WELL #: <u>107</u>	PIT: <u>DRIP</u>	DATE STARTED: <u>3/31/95</u>
QUAD/UNIT: <u>D</u>	SEC: <u>19</u>	TWP: <u>29N</u>	DATE FINISHED: _____
RNG: <u>12W</u>	PM: <u>NM</u>	CNTY: <u>ST</u>	STNM: _____
QTR/FOOTAGE: <u>NW/4</u>	<u>NW/4</u>	CONTRACTOR: <u>EPC</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. 26 FT. x 18 FT. x 24 FT. DEEP. CUBIC YARDAGE: 400
 DISPOSAL FACILITY: AMOCO COMPOST FACILITY REMEDIATION METHOD: COMPOSTED
 LAND USE: INDUSTRIAL LEASE: - FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 420 FT. N26W FROM WELLHEAD.
 DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
 NMDCD RANKING SCORE: 20 NMDCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:

PIT ABANDONED

STEEL TANK INSTALLED

MOSTLY SAND & GRAVEL OF VARIOUS COLORS NON-COHESIVE, DRY TO SLIGHTLY MOIST FIRM TO VERY DENSE, DUE TO PIPELINES & HARD BOTTOM EXCAVATION WAS TERMINATED.

BOTTOM - VERY HARD POSSIBLY SANDSTONE LAYER, PRODUCT OBSERVED IN TWO ISOLATED POOLS, SOIL & GRAVEL BLACK IN COLOR, VERY SATURATED w/ CRUDE TYPE FLUID/LIQUID.

CONDITIONAL

FIELD 418.1 CALCULATIONS

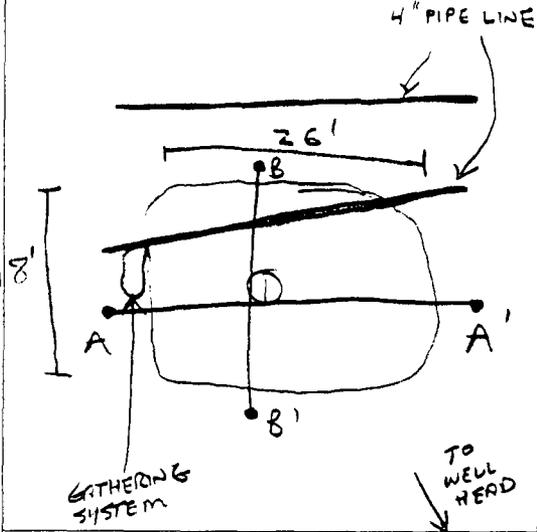
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm



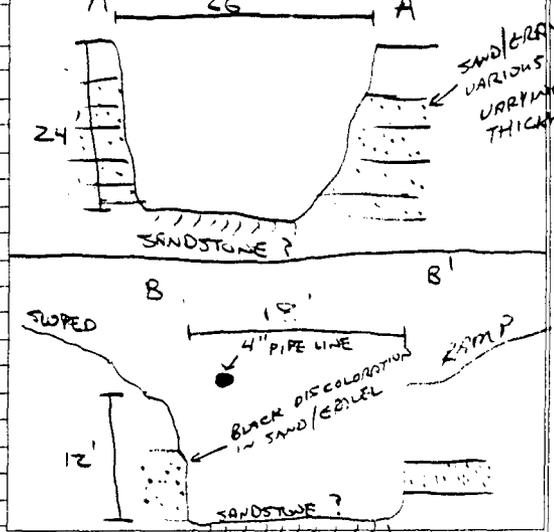
PIT PERIMETER

OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	24'
2	8/6
3	
4	
5	



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1	24' TPH (418.1)	1315

TRAVEL NOTES: CALLOUT: 3/31/95 ONSITE: 3/31/95

TOTAL PETROLEUM HYDROCARBONS

EPA Method 418.1

Blagg Engineering

Project ID: GCU 107
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

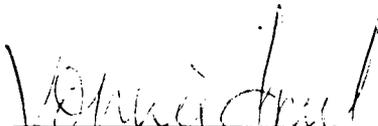
Report Date: 04/05/95
Date Sampled: 03/31/95
Date Received: 03/31/95
Date Extracted: 04/05/95
Date Analyzed: 04/05/95

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
1 @ 24'	0787	34,000	12,000

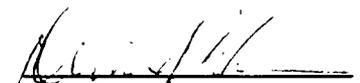
ND- Analyte not detected at the stated detection limit.

Reference: Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986;
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

Comments:



Analyst



Review