

**3R - 18**

**GENERAL  
CORRESPONDENCE**

**YEAR(S):**

**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

80254  
SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

*City above limit  
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: 664 165  
Well Name \_\_\_\_\_  
Location: Unit or Qtr/Qtr Sec H Sec 29 T 28N R 12W County SAN JUAN  
Pit Type: Separator X Dehydrator \_\_\_\_\_ Other \_\_\_\_\_  
Land Type: BLM \_\_\_\_\_, State \_\_\_\_\_, Fee \_\_\_\_\_, Other UNLT AGMT.

Pit Location: Pit dimensions: length 40', width 40', depth 16'  
(Attach diagram) Reference: wellhead X, other \_\_\_\_\_  
Footage from reference: 125  
Direction from reference: 25 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) <u>20</u>
high water elevation of		
ground water)		

Wellhead Protection Area:	Yes (20 points)
(Less than 200 feet from a private	No (0 points) <u>0</u>
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) <u>0</u>
irrigation canals and ditches)		

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: 4-12-95 Date Completed: 5-1-95

Remediation Method: Excavation X      Approx. cubic yards 900  
(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 - INTO WATER - APPEARS TO BE PERMITTED

IRRIGATION WATER.

WATER PUMPED SEPARATE TIMES + DISPOSED OF BY OIL FIELD WATER DISPOSAL.

Ground Water Encountered: No        Yes X Depth 15'

**Final Pit:**                      Sample location                      see Attached Documents

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

SEVERAL WATER SAMPLES COLLECTED OVER 3 WEEKS

Sample depth

Sample date	Sample time
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## 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 5-3-95

SIGNATURE

PRINTED NAME  
AND TITLE

Buddy D. Shaw  
Environmental Coordinator

RESULTS to ROW - 4-13-95, 4-21-95 NOT QUITE

CLIENT: <u>AWOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80254</u> C.O.C. NO: <u>C361</u> <u>0362</u>
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# FIELD REPORT: PIT CLOSURE VERIFICATION

C363  
0330 2927

LOCATION: NAME: <u>GCU</u>	WELL #: <u>165</u> PIT: <u>SEP.</u>	DATE STARTED: <u>4-12-95</u>
QUAD/UNIT: <u>H</u>	SEC: <u>29</u> TWP: <u>28 N</u> RNG: <u>12 W</u> BM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	DATE FINISHED: <u>5-1-95</u>
QTR/FOOTAGE: <u>SE / NE</u>	CONTRACTOR: <u>MOSS</u>	ENVIRONMENTAL SPECIALIST: <u>REO</u>

EXCAVATION APPROX. 40 FT. x 40 FT. x 16 FT. DEEP. CUBIC YARDS: 900

DISPOSAL FACILITY: ONSITE / GCU 165 E / GCU 191 REMEDIATION METHOD: LAND FARM

LAND USE: RANGE / AGR. LEASE: 07882A - A FORMATION: DAKOTA

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 125 FEET N25°E FROM WELLHEAD.

DEPTH TO GROUNDWATER: 15' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED

PIT EXCAVATED TO HARD BOTTOM - WATER INFLOW MOST LIKELY FROM NEARBY IRRIGATION - WATER PUMPED + HAULED TO DISPOSAL SITE PRIOR TO SAMPLING. CONTAMINATED SOILS REMOVED - SOME STAIN AT BOTTOM WALL ON WEST - (SEPARATOR SIDE). WATER FLOWS FROM ALL SIDES AFTER PUMPING.

## FIELD 418.1 CALCULATIONS

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

SCALE

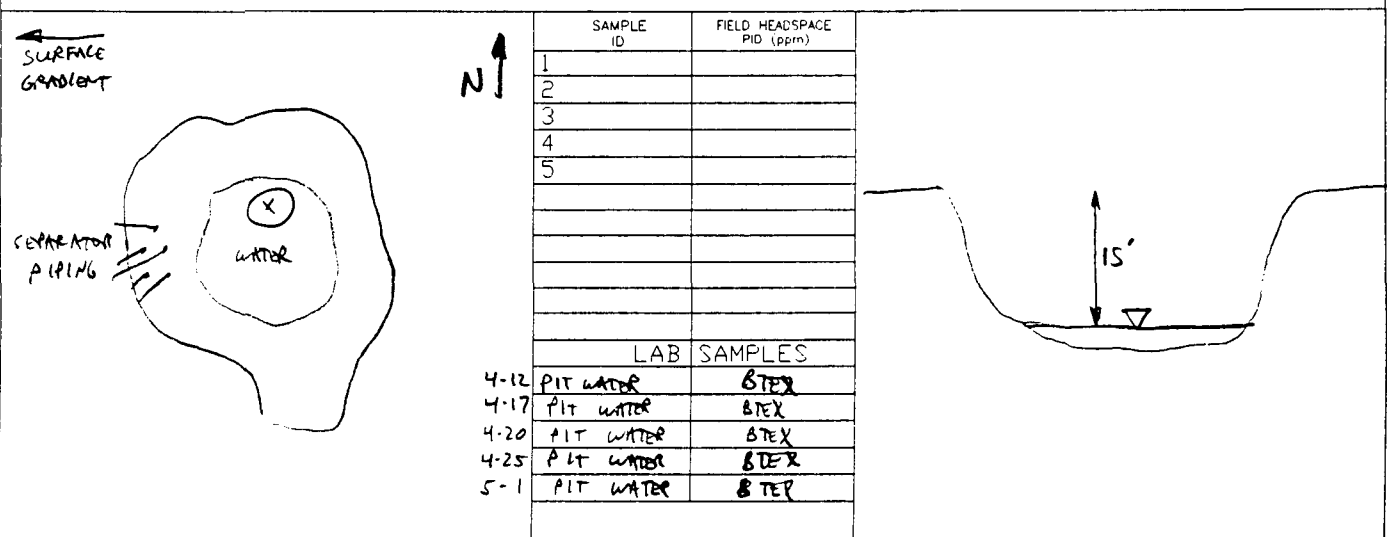


0 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE



TRAVEL NOTES: CALLOUT: 4-12-95 ONSITE: 4-12-95 1330, 4-17, 4-20

## PURGEABLE AROMATICS

Blagg Engineering, Inc.

Project ID: GCU 165  
Sample ID: Pit Water  
Lab ID: 0827  
Sample Matrix: Water  
Preservative: Cool, HgCl<sub>2</sub>  
Condition: Intact

Report Date: 04/13/95  
Date Sampled: 04/12/95  
Date Received: 04/12/95  
Date Analyzed: 04/12/95

Target Analyte	Concentration (ug/L)	Detection Limit (ug/L)
Benzene	916	40.0
Toluene	2,140	40.0
Ethylbenzene	205	40.0
m,p-Xylenes	2,430	80.0
o-Xylene	563	40.0


<b>Total BTEX</b>	<b>6,260</b>
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ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	105	88 - 110%
	Bromofluorobenzene	96	86 - 115%

**Reference:** Method 602.2, Purgeable Aromatics; Federal Register, Vol. 49, No. 209, Oct. 1984.

**Comments:**

  
Analyst

  
Review

## PURGEABLE AROMATICS

Blagg Engineering, Inc.

Project ID: GCU 165  
Sample ID: Pit Water  
Lab ID: 0837  
Sample Matrix: Water  
Preservative: Cool, HgCl<sub>2</sub>  
Condition: Intact

Report Date: 04/17/95  
Date Sampled: 04/17/95  
Date Received: 04/17/95  
Date Analyzed: 04/17/95

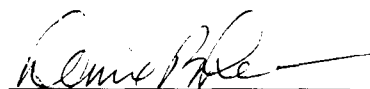
Target Analyte	Concentration (ug/L)	Detection Limit (ug/L)
Benzene	84.2	10.0
Toluene	368	10.0
Ethylbenzene	36.4	10.0
m,p-Xylenes	369	20.0
o-Xylene	98.1	10.0

<b>Total BTEX</b>	<b>956</b>
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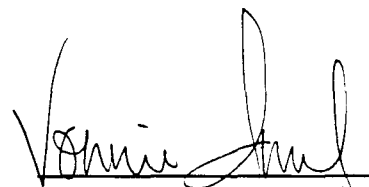
ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	99	88 - 110%
	Bromofluorobenzene	94	86 - 115%

**Reference:** Method 602.2, Purgeable Aromatics; Federal Register, Vol. 49, No. 209,  
Oct. 1984.

**Comments:**

Analyst



Review

## PURGEABLE AROMATICS

Blagg Engineering, Inc.

Project ID: GCU 165  
Sample ID: Pit Water  
Lab ID: 0873  
Sample Matrix: Water  
Preservative: Cool, HgCl<sub>2</sub>  
Condition: Intact

Report Date: 04/24/95  
Date Sampled: 04/20/95  
Date Received: 04/20/95  
Date Analyzed: 04/21/95

Target Analyte	Concentration (ug/L)	Detection Limit (ug/L)
Benzene	43.7	2.00
Toluene	212	2.00
Ethylbenzene	11.9	2.00
m,p-Xylenes	204	4.00
o-Xylene	61.8	2.00

**Total BTEX****534**

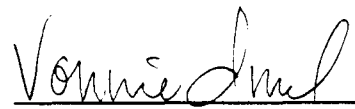
ND - Analyte not detected at the stated detection limit.

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Trifluorotoluene	97	88 - 110%
	Bromofluorobenzene	92	86 - 115%

Reference: Method 602.2, Purgeable Aromatics; Federal Register, Vol. 49, No. 209,  
Oct. 1984.

Comments:

  
Analyst

  
Review

## PURGEABLE AROMATICS

Blagg Engineering, Inc.

Project ID: GCU 165  
Sample ID: Pit Water  
Lab ID: 0897  
Sample Matrix: Water  
Preservative: Cool, HgCl<sub>2</sub>  
Condition: Intact

Report Date: 04/26/95  
Date Sampled: 04/25/95  
Date Received: 04/25/95  
Date Analyzed: 04/26/95

Target Analyte	Concentration (ug/L)	Detection Limit (ug/L)
Benzene	19.8	2.00
Toluene	180	2.00
Ethylbenzene	11.5	2.00
m,p-Xylenes	184	4.00
o-Xylene	67.9	2.00

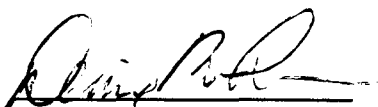
Total BTEX	464
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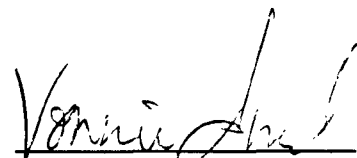
ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	101	88 - 110%
	Bromofluorobenzene	95	86 - 115%

Reference: Method 602.2, Purgeable Aromatics; Federal Register, Vol. 49, No. 209,  
Oct. 1984.

Comments:

  
Analyst

  
Review





OFF: (505) 325-8786

LAB: (505) 325-5667

**AROMATIC VOLATILE ORGANICS**

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

Date: *5/2/95*  
Lab ID: *2927*  
Sample ID: *6160*  
Job No. *2-1000*

Project Name: *GCU 165*  
Project Location: *Pit Water - Sep. Pit*  
Sampled by: *REO* Date: *5/1/95*  
Analyzed by: *DC* Date: *5/1/95*  
Sample Matrix: *Water*

Time: *8:00*

**Aromatic Volatile Organics**

<b>Component</b>	<b>Measured Concentration ug/L</b>	<b>Detection Limit Concentration ug/L</b>
<i>Benzene</i>	<i>2.5</i>	<i>0.2</i>
<i>Toluene</i>	<i>2.0</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>5.5</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>125.8</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>33.9</i>	<i>0.2</i>
	<i>TOTAL 169.6 ug/L</i>	

*ND - Not Detectable*

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

Approved by: *Da 4*  
Date: *5/2/95*