B0151

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

Kenny G. Faith
DEPUTY OIL & GAS INSPECTOR
DEC 03 1996

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

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Well Name OMLER A7

Location: Unit or Qtr/Qtr Sec K Sec 36 T 28N R 10W County SAN JUAN

Pit Type: Separator ___ Dehydrator X Other ___

Land Type: BLM X, State ___, Fee ___, Other ___

Pit Location: (Attach diagram)
Pit dimensions: length 19', width 20', depth 12'
Reference: wellhead X, other ___
Footage from reference: 55'
Direction from reference: 67 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)	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

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NOV 30 1994
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DIST. 3

80151

Date Remediation Started: _____ **Date Completed:** 11/10/94

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards 110

Landfarmed ___ Insitu Bioremediation ___

Other COMPOSTED

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

General Description Of Remedial Action: Excavation

Ground Water Encountered: No X Yes ___ Depth _____

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

Sample location see Attached Documents

Sample depth 8'

Sample date 11/7/94 Sample time 1155

Sample Results

Benzene(ppm) 0.647

Total BTEX(ppm) 269.921

Field headspace(ppm) 1276

TPH 3,720 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 11/10/94

SIGNATURE B J Shaw

PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

R 19

CLIENT: AMOCO

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

LOCATION NO: 8015 I
C.O.C. NO: 2254

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: OMLER WELL #: A 7 PIT: DEHY
QUAD/UNIT: K SEC: 36 TWP: 28N RNG: 10W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: NW/4 SW/4 CONTRACTOR: EPC

DATE STARTED: 11/7/94
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 19 FT. x 12 FT. x 12 FT. DEEP. CUBIC YARDAGE: 110
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: COMPOSTED
LAND USE: RANGE LEASE: 82-077085 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 55 FT. 567W FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

CHECK ONE:
__ PIT ABANDONED
✓ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

MOD. YELL. BROWN (EAST SIDEWALL), LT. MED. GRAY (NORTH & SOUTH SIDEWALLS), LT. GRAY (WEST SIDEWALL) SILTY SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, STRONG HC ODOR IN ALL OVM SAMPLES.

BOTTOM: SANDSTONE, SOFT, DK. GRAY IN COLOR.

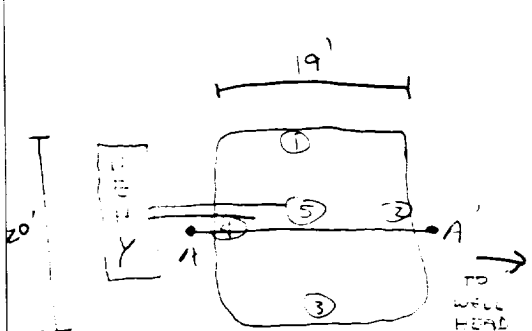
CONDITIONAL CLOSURE

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1155	②@8'	TPH-1260	5	20	10:1	93	3,720
"	DUPLICATE	"	"	"	"	92	3,680

SCALE
0 FT

PIT PERIMETER



OVM RESULTS

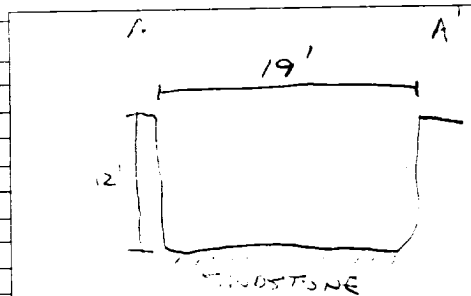
SAMPLE ID	FIELD HEADSPACE PID (ppm)
1@10'	1117
2@8'	1276
3@7'	1063
4@7'	539
5@12'	1344

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
②@8'	BTEX	1155

FAILED

PIT PROFILE



TRAVEL NOTES: CALLOUT: 11/7/94 ONSITE: 11/7/94

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	Project #:	
Sample ID:	2 @ 8'	Date Analyzed:	11-08-94
Project Location:	Omler A 7	Date Reported:	11-08-94
Laboratory Number:	TPH-1260	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	**3,700**	**200**

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
3720	3680	1.08

*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 – B0151

Nelson Velez
Analyst

R. E. O'Neill
Review

OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn: *Nelson Velez*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfield, NM 87413*

Date: 11/9/94
Lab ID: *2254*
Sample ID: *3901*
Job No. *2-1000*

Project Name: ***Omler A 7***
Project Location: ***2 @ 8' - Dehy. Pit***
Sampled by: NV Date: 11/7/94 Time: 11:55
Analyzed by: DLA Date: 11/9/94
Sample Matrix: *Soil*

Aromatic Volatile Organics

Component	***Measured Concentration ug/kg***	***Detection Limit Concentration ug/kg***
Benzene	*647*	*0.2*
Toluene	*24,110*	*0.2*
Ethylbenzene	*11,897*	*0.2*
m,p-Xylene	*186,759*	*0.2*
o-Xylene	*46,508*	*0.2*
	TOTAL 269,921 ug/kg	

ND - Not Detectable

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

Approved by: DA
Date: 11/9/94

B0151

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PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Well Name: OMLER A7

Location: Unit or Qtr/Qtr Sec K Sec 36 T 28N R 10W County SAN JUAN

Pit Type: Separator X Dehydrator ___ Other ___

Land Type: BLM X, State ___, Fee ___, Other ___

Pit Location: (Attach diagram)
Pit dimensions: length 15', width 17', depth 5'
Reference: wellhead X, other ___
Footage from reference: 100'
Direction from reference: 5 Degrees X East North ___ of ___ 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) 0

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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

B0151

Date Remediation Started: _____ **Date Completed:** 11/10/94

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards 30

Landfarmed ___ Insitu Bioremediation ___

Other COMPOSTED

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

General Description Of Remedial Action: Excavation

Ground Water Encountered: No X Yes ___ Depth _____

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

Sample location see Attached Documents

Sample depth 3'

Sample date 11/7/94 Sample time 1255

Sample Results

Benzene(ppm) 0.147

Total BTEX(ppm) 29.219

Field headspace(ppm) 798

TPH 248 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 11/10/94

SIGNATURE B J 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: B0151
C.O.C. NO: 2254

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: OMLER WELL #: A7 PIT: SEP

QUAD/UNIT: K SEC: 36 TWP: 28N RNG: 10W PM: NM CNTY: SJ ST: NM

QTR/FOOTAGE: NW¼ SW¼ CONTRACTOR: EPC

DATE STARTED: 11/7/94
DATE FINISHED:

ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 15 FT. x 17 FT. x 5 FT. DEEP. CUBIC YARDAGE: 30

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: COMPOSTED

LAND USE: RANGE LEASE: 82-077085 FORMATION:

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 100 FT. SSE FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

CHECK ONE:
__ PIT ABANDONED
✓ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

MED. DK. GRAY SILTY SAND TO CLAY, SLIGHTLY PLASTIC, SLIGHTLY MOIST, FIRM TO STIFF, STRONG HC ODOR IN ALL OVM SAMPLES.

BOTTOM: SANDSTONE, SOFT, DK. GRAY IN COLOR.

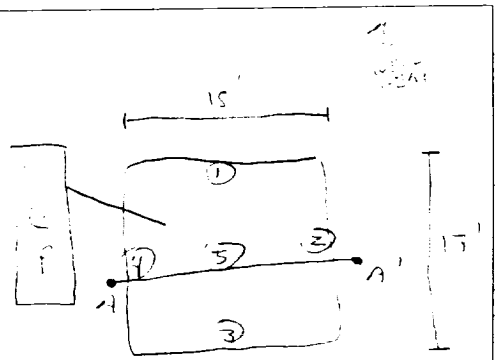
CLOSED

SCALE
0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1255	DE 3'	TPH-1261	5	20	1:1	62	248

PIT PERIMETER



OVM RESULTS

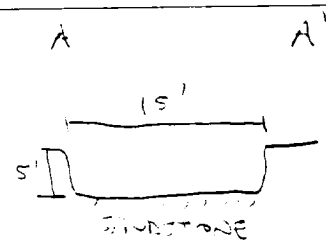
SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 2'	798
2 @ 3'	797
3 @ 2'	514
4 @ 2'	532
5 @ 5'	4916

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
DE 3'	BTEX	1255

PASSED

PIT PROFILE



TRAVEL NOTES: CALLOUT: 11/7/94 ONSITE: 11/7/94

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	Project #:	
Sample ID:	1 @ 3'	Date Analyzed:	11-08-94
Project Location:	Omler A 7	Date Reported:	11-08-94
Laboratory Number:	TPH-1261	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	250	20

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	3720	3680	1.08

*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 - B0151

Analyst

Review

OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn:	*Nelson Velez*	Date:	11/9/94
Company:	*Blagg Engineering*	*Lab ID:*	*2254*
Address:	*P.O. Box 87*	*Sample ID:*	*3902*
City, State:	*Bloomfield, NM 87413*	*Job No.*	*2-1000*

Project Name:	***Omler A 7***				
Project Location:	***1 @ 3' - Separator Pit***				
Sampled by:	NV	Date:	11/7/94	Time:	12:55
Analyzed by:	DLA	Date:	11/9/94		
Sample Matrix:	*Soil*				

Aromatic Volatile Organics

Component	***Measured Concentration ug/kg***	***Detection Limit Concentration ug/kg***
Benzene	*147*	*0.2*
Toluene	*3,456*	*0.2*
Ethylbenzene	*1,111*	*0.2*
m,p-Xylene	*20,274*	*0.2*
o-Xylene	*4,231*	*0.2*
	TOTAL 29,219 ug/kg	

ND - Not Detectable

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

Approved by:
Date: 11/9/94