District I

State of New Mexico Energy, Minerals and Natural Resources Department SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO

SANTA FE OFFICE

P.O. Box 1980 Hobbe, NM

District Pinny G., Touring

P.O. Drawer DD, Arlesia, MM 85211

District PLITY OIL & GAS INSPECTOR

1000 Rio Brazos Rd, Aztoc NM 310 3 1996

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DECEMENTATION AND CLOSURE REPORT

	PIT REVIEDIATION	TAIND COODING TON ONLY
July 12	o to	
Operator:	Amoco Production Compan	Telephone: (505) - 326-9200
Address:	200 Amoco Court, Farmin	gton, New Mexico 87401
Well Name	OMLER AGE	
Pit Type: Sep	arator Dehydrator	Sec 36 TZ8A RIOW County SAN TWAN Other PRODUCTION TANK, Other
Pit Location: (Attach diagram)	Pit dimensions: len Reference: wellhead Footage from referen	$\frac{9'}{1}$, width $\frac{6'}{1}$, depth $\frac{9'}{1}$
Depth To Grou (Vertical distar contaminants to high water eleva ground water)	nce from seasonal	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points) DECEIVED NOV - 8 1994 Ves. (20 points)
domestic water	ection Area: feet from a private source, or; less than all other water sources)	NOV - 8 1994 Pyes (20 points) No (0 points) DIST. 3
(Horizontal dis	Surface Water: tance to perennial ivers, streams, creeks, ls and ditches)	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
	·	PANKING SCORE (TOTAL POINTS):

Date Remediation St	arted:	Date Completed: 11/2/94
Remediation Method:		Approx. cubic yards 8
	Landfarmed \times	Insitu Bioremediation
sections)		
	Other	
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)		ffsite
General Description	Of Remedial Action	on:
Excavation	on	
Ground Water Encoun	tered: No 🗶	Yes Depth
Final Pit: Closure Sampling: (if multiple samples,	Sample location	see Attached Documents
attach sample results and diagram of sample	Sample depth	91
locations and depths)	Sample date ///	9/ /2/94 Sample time
	Sample Results	
	Benzene(ppm)
	Total BTEX(
		pace(ppm) 34
	TPH 28 PP	
	<u></u>	
Ground Water Sample	Yes No	\times (If yes, attach sample results)
I HEREBY CERTIFY TH OF MY KNOWLEDGE AND		N ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 11/3/94		D11 x C1.
SIGNATURE BASI	" PRINTE AND TI	D NAME Buddy D Shaw TLE Environmental Coordinator

CLIENT: <u>AMOCO</u>	BLAGG I P.O. BOX 87, (50		IELD, N		3 [<u>80147</u>
FIELD REPOF	T: CLOSU	RE VI	ERIFIC	ATION			
LOCATION: <u>name: Oml</u> quad/unit: A sec:2 qtr/fddtage: he [4	84 TWP: 28 2 RNG:	10W PM:	h_{W} chty	COD ST ST: NI	DATE F	TARTED: INISHED: NMENTAL _A IST:	
EXCAVATION APPROX DISPOSAL FACILITY: LAND USE:	7 FT x 6 F ON-SITE LEASI	T. × 9 R R E:8	_ FT. DEF EMEDIATIO スークフィ	ON METH	OD: ORMATIC	AHOFAR OCIO	MED_ K/OK
FIELD NOTES & REMAR	O' NEAREST WATER SE	DURCE:	1000, NE	97 FT	CE VATE	R: _ > / 0	00
NMOCD RANKING SCORE: O		E STD:	<u>00</u> PPM		✓ PIT #	CK ONE ABANDONE L TANK	_
DR. YELL ORRAGE HE ODOR IN	E SAND, NON - CO OUM SAMPLES.	FIEL	D 418.1 CAL	_CULATIONS			
		LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
SCALE O FT	1045 ©@9'	1252	3	70	<i> </i>	/	28
PIT PERIM	ETER /N	OVM RESULT	5	PI	PRO	OFILE	
TO LIEUT PROD TANK ITEAD (" A) (S) (S) (S) (S) (S) (S) (S) (S) (S) (S	SAMPIE 10 1 2 6 3 C 4 C 4 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5	LE FIELD H PRO	E S TIME	A - 9'	9'	A	
TRAVEL NOTES: CALLOUT	11/1/94	01	NSITE:	11/2/7	7		

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:

Sample ID:

Amoco

5 @ 9'

Project Location:

Omler A 6 E

TPH-1252

Laboratory Number:

Project #:

Date Analyzed:

Date Reported:

11-03-94 11-03-94

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	28	20

ND = Not Detectable at stated detection limits.

QA/QC:

% Duplicate QA/QC Sample *Diff. TPH mg/kg TPH mg/kg 20.16 464 568

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Production Tank Pit - B0147

Review

^{*}Administrative Acceptance limits set at 30%.

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM 88211

District III

1000 Rio Brazos Rd, Azec, 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

PIT REMEDIATION AND CLOSURE REPORT

Operator:	Amoco Production Company	Telephone: (505) · 326-9200
Address:		
Facility Or:	OMLER AGE	
Location: Unit	or Qtr/Qtr Sec_AD Se	ec36 TZ80 RIOW county SAN JWAN
bit Tabe: Seba	Tator_A bofuruses	
17		, Other
Pit Location: (Attach diagram)	Reference: wellhead X	n 19', width Zl', depth 16' , other : 98' ce: 70 Degrees X East North X of West South
Depth To Ground (Vertical distance contaminants to a high water elevate ground water)	ce from seasonal	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)
domestic water so	ection Area: eet from a private ource, or; less than ll other water sources)	Yes (20 points) No (0 points)
Distance To Su (Horizontal distal lakes, ponds, ri irrigation canal	ance to perennial vers, streams, creeks,	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
		RANKING SCORE (TOTAL POINTS):

note nomediation St	==+ad:	Date Completed: 11/4/94	
Date Remediation St		Approx. cubic yards	_
Remediation Method: (Check all appropriate		 -	-
sections)	Landfarmed 🔀	Insitu Bioremediation	
	Other		_
Remediation Location (ie. landfarmed onsite, name and location of offsite facility) General Description Excavation	Of Remedial Action	fsite	- - -
Ground Water Encoun	tered: No 🔀	Yes Depth	_
Final Pit: Closure Sampling: (if multiple samples,	Sample location _	see Attached Documents	_
attach sample results and diagram of sample	Sample depth	/7'	_
locations and depths)	Sample date 1//Z	94 Sample time 1036	
	Sample Results		
	Benzene(ppm)	0.0070	
	Total BTEX(p	pm) <u>0.0927</u>	
	Field headsp	ace(ppm) /7/./	
	TPH 32 PP		
Ground Water Sample	: Yes No	(If yes, attach sample results)	
OF MY KNOWLEDGE AND		ABOVE IS TRUE AND COMPLETE TO THE BEST	_
DATE ///4/94 SIGNATURE SSS	PRINTED AND TIT	NAME Buddy D. Shaw The Environmental Coordinator	

CLIENT: AMOCO	P.O. BOX 87,	ENGINEERING, BLOOMFIELD, 5) 632-1199	INC. NM 87413	LOCATION N	10: <u>80147</u> 10: <u>2249</u>
FIELD REPOR	RT: CLOSU	RE VERIFI	CATION	PAGE No: _	
LOCATION: NAME: OML	ER WELL	#: A 6 E PIT: 5	SEP I	DATE STARTED: DATE FINISHED:	
QUAD/UNIT: A SEC:	36 TWP: Z82 RNG:	RACTOR: EPC	TY:51 STION	ENVIRONMENTAL SPECIALIST:	NV
EXCAVATION APPROX/S DISPOSAL FACILITY: LAND USE:RANGE	FT. x Z1 F	t. x <u>/6</u> ft. i remedia	TION METHO	D: LANDFI	diamero
FIELD NOTES & REMAR	RKS: PIT LOCATED	APPROXIMATELY	98 FT	U70€ FROI	WELLHEAD.
DEPTH TO GROUNDWATER: _2/6 NMOCD RANKING SCORE:	NEAREST WATER SI	OURCE:	_ NEAREST SURFAC	CHECK 0	NE :
NMOCD RANKING SCORE:		(C 31)		_PIT ABANDO _STEEL TAN	
DIE YELL BRO	אם - ליפני פישב גיני	HESIVE , SLIGHTLY	MOIST, FIRM		
DOOR EXCE	O GRAY IN COL	DUNION DUNE SA	on me		
		EIELD 4181	CALCULATIONS		
CLOSED	TIME SAMPLE I.D.	. LAB No: WEIGHT	(g) mL. FREON D		
SCALE	1036 (Ben'	1251 5	20):) 8	32
O FT		OVIM		DD0EII	<u> </u>
PIT PERIM	ETER N	OVM RESULTS	PIT	PROFIL	A'
	SAMI ID 1 6 7			191	H
	3 @	111 2.9			<u></u>
	7 40 50	121 2.9			16'
SE A	E A' zi		Ź	4	<u> </u>
70			- Le 1/2 / 20		
WELL (3)	SAMPL		SIDENALL SIDENALL		
191	€œ.	PRISSED)	- 3 1-		
					1
			-		

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 @ 17'

Date Analyzed:

11 - 03 - 94

Project Location:

Omler A 6 E

Date Reported:

11-03-94

Laboratory Number:

TPH-1251

Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	32	20

ND = Not Detectable at stated detection limits.

QA/QC:

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

568

464

20.16

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No. 4551, 1978

Comments:

Separator (I) Pit - B0147

Analyst

Review

^{*}Administrative Acceptance limits set at 30%.



OFF: (505) 325-8786

LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn:

Nelson Velez

Date:

11/4/94

Company: Blagg Engineering

Lab ID:

2249

Address:

P.O. Box 87

Sample ID:

3842

City, State: Bloomfield, NM 87413

Job No.

2-1000

Project Name:

Omler A 6 E

Project Location:

5 @ 17' - Sep I Pit

Date: Date:

11/2/94 11/4/*94 Time:

10:36

Sampled by: Analyzed by: NV DLA

Sample Matrix: Soil

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg	
Benzene	7.0	0.2	
Toluene	13.2	0.2	
Ethylbenzene	4.9	0.2	
	27.7	0.2	
m,p-Xylene o-Xylene	39.9	0.2	
	TOTAL 92.7 ug/kg		

ND - Not Detectable

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

Approved by: Date:

P. O. BOX 2606 • FARMINGTON, NM 87499

District I
P.O. Box 1980, Hobbe, 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

PIT REMEDIATION AND CLOSURE REPORT

Operator:	Amoco Production Company	Telephone: (505) - 326-9200			
Address:					
Facility Or:	OMER AGE				
Mell Ngme					
Location: Unit	or Otr/Otr Sec_A D_ Se	BC 36 TBH R 10W County SAN JWAN			
Pit Type: Sepa	rator X Dehydrator 0	other			
		, Other			
pit tacking	Pit dimensions: length	15', width 14', depth 12'			
Pit Location: (Attach diagram)		, other			
	kererence: wellhead X	_, other			
	Footage from reference:	73			
	Direction from reference	ce: 68 Degrees East North			
	24444444	$\stackrel{ ext{of}}{ imes}$ West South $\stackrel{ imes}{ imes}$			
·		- West South -			
(Vertical distant contaminants to	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)				
domestic water so	ection Area: eet from a private ource, or; less than ll other water sources)	Yes (20 points) No (0 points)			
Distance To Su (Horizontal distal lakes, ponds, riv irrigation canala	ance to perennial vers, streams, creeks,	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)			
		RANKING SCORE (TOTAL POINTS):			

Date Remediation St	arted:	Date Completed: 11/4/94
Remediation Method:		Approx. cubic yards 60
(Check all appropriate sections)	Landfarmed X	Insitu Bioremediation
	Other	
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)	n: Onsite <u>X</u> Off	fsite
General Description	Of Remedial Action	n:
Excavation	on	
Ground Water Encoun	tered: No X	Yes Depth
Final Pit:	Sample location	see Attached Documents
Closure Sampling:		IPE SAMPLES
(if multiple samples, attach sample results and diagram of sample	Sample depth	
locations and depths)	Sample date ///2	/94 Sample time /350
	Sample Results	
	Benzene(ppm)	0.0036
	Total BTEX(p	pm) 0.0117
	Field headsp	ace(ppm) <u>707</u>
	TPH	
Ground Water Sample	: Yes No <u>></u>	(If yes, attach sample results)
OF MY KNOWLEDGE AND		ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE /1/4/94	PRINTED	NAME Buddy D. Shaw LE Environmental Coordinator
SIGNATURE / 2	1aw AND TIT	LE Environmental Coordinator

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.D.C. ND: 2249
FIELD REPORT: CLOSURE VERIFICATION	PAGE No: of
LOCATION: NAME: OMLER WELL #: AGE PIT: SEP IT	DATE STARTED: 11/2/94 DATE FINISHED:
QUAD/UNIT: A SEC: 36 TWP: 28 P. RNG: 10 PM: NM CNTY: 57 ST: NM. QTR/FOOTAGE: WELL WELL PW/PWCONTRACTOR: EPC	ENVIRONMENTAL SPECIALIST:
EXCAVATION APPROX. 15 FT. x 14 FT. x 12 FT. DEEP. CUBIC DISPOSAL FACILITY: 6N-SITE REMEDIATION METHO	D: LANOFRIMED
LAND USE: RANGE LEASE: 82-077085 FOR	RMATION: OCK/DK
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 43 FT. S DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE	FROM WELLHEAD
	l l
NMOCD RANKING SCORE: NMOCD TPH CLOSURE STD: 5000 PPM	CHECK ONE: PIT ABANDONED
	STEEL TANK INSTALLED
MOD YELL BROWN SAND, NON - CONESIVE SLIGHTLY MOIST PINING IN NORTH, WEST SIDEWALLS, & BOTTON OVER JAMPLES. FIELD 418.1 CALCULATIONS TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DI	
SCALE 1356 (SQ 131 1253 5 20 1	:/ 3 20
JORNE	
O FT OVM PIT	
PIT PERIMETER RESULTS PIT	PROFILE
SAMPLE FIELD HEADSPACE PD (ppm) 1 @ 8' 5 2 5 2 @ 8' 2 2 . 8 3 @ 7' 1. 7 4 @ 7' 5 2 3 5 @ 13' 707 12' 4 @ 7' 5 2 3 5 @ 13' 707 12' 12' 13' 15'	15) A
TRAVEL NOTES:	

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 @ 13'

Date Analyzed:

11-03-94

Project Location:

Omler A 6 E

Date Reported:

11-03-94

Laboratory Number:

TPH-1253

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	
5 .00	

Duplicate TPH mg/kg % *Diff.

568

464

20.16

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Separator (II) Pit - B0147

Analyst

Raview

^{*}Administrative Acceptance limits set at 30%.



OFF: (505) 325-8786

LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn: Nelson Velez Date:

11/4/94

Company: Blagg Engineering

Lab ID:

2249

Address: P.O. Box 87

Sample ID:

3843

City, State: Bloomfield, NM 87413

Job No.

2-1000

Project Name:

Omler A 6 E

Project Location:

5 @ 13' - Sep II Pit

Sampled by:

NV

Date: Date:

11/2/94

Time:

13:50

Analyzed by:

DLA

11/4/*94

Sample Matrix:

Soil

Aromatic Volatile Organics

Component	Measured Concentration ug/kg		Detection Limit Concentration ug/kg	
Benzene		3.6	0.2	
Toluene		2.7	0.2	
Ethylbenzene		ND	0.2	
m,p-Xylene	:	4.5	0.2	
m,p-Xylene o-Xylene		0.9	0.2	
	TOTAL	11.7 ug/kg		

ND - Not Detectable

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

Approved by:

P. O. BOX 2606 • FARMINGTON, NM 87499



OFF: (505) 325-8786

LAB: (505) 325-5667

TOTAL PETROLEUM HYDROCARBONS

Attn: Nelson Velez Date:

11/4/94

Company: Blagg Engineering

Lab ID:

2249

P.O. Box 87 Address:

Sample No.

3843

City, State: Bloomfield, NM 87413

Job No.

2-1000

Project Name:

Omler A 6 E

Project Location:

5 @ 13' - Sep. II Pit

Sampled by:

NV

Date:

11/2/94 Time:

10:36

Analyzed by:

DLA

Date:

11/4/94

Type of Sample:

Soil

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
	Omler A 6 E	
3843-2249	5 @ 13' - Sep. Il Pit	8 mg/kg

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:

P. O. BOX 2606 • FARMINGTON, NM 87499

- Technology Blending Industry with the Environment -