District I

P.O. Box 1980, Hobbs, NM

Energy, Minerals and Natural Resources Department

APPROPRIATE

District II

Sep - OK

OIL CONSERVATION DIVISION

SEP 2001

SEP 2001

SUBMIT 1 COPY TO

Santa Fe, New Mexico 87504-2088

SEP 2001 RECEIVED ONLOON. DIV

PIT REMEDIATION AND CLOSURE REPORT ECOS 61 81 11 91

Operator:	Amoco Production Company	Telephone: (505) - 326-9200
	200 Amoco Court, Farmingt	
	WARREN Com #3	
i		Sec 12 T 28 NR 9W County SAN JUAN
		Other B WW
Land Type: BL	M, State, Fee	_, Other Com. A6m.
Pit Location: (Attach diagram)		th 15', width 15', depth8'
	Footage from referenc	e:
	Direction from refere	nce: 75 Degrees X East North X
	;	of West South
Depth To Groun (Vertical distance contaminants to s high water elevat ground water)	e from easonal	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points) (0
domestic water so	ction Area: et from a private ource, or; less than l other water sources)	Yes (20 points) No (0 points) O
	nce 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:	6-10-99
Remediation Method:	Excavation <u>X</u>	Approx. cubic yards 4	
(Check all appropriate sections)	Landfarmed X	Insitu Bioremediation	
	Other		
Remediation Locatio (ie. landfarmed onsite, name and location of offsite facility)	n: Onsite X Offs	site	
General Description	Of Remedial Action:		
Excavation	on	er (F)	
<u></u>		<u> </u>	
a ,			
nmoco letter	Correspondence	1	2-19-96
	•	Yes Depth	
			
Final Pit: Closure Sampling: (if multiple samples,	Sample location	see Attached Documents	
attach sample results and diagram of sample	Sample depth	9'	
locations and depths)	Sample date 6-(0	Sample time	
	Sample Results		
	Benzene(ppm) _		
	Total BTEX(ppm	ı)	
	Field headspac	e(ppm) ND	
	tph 20 ppm		
Ground Water Sample	: Yes No	(If yes, attach sample	results)
I HEREBY CERTIFY THOOF MY KNOWLEDGE AND	AT THE INFORMATION A	BOVE IS TRUE AND COMPLET	TE TO THE BEST
DATE 6/20/19		RIINCI	1
SIGNATURE BUSI	PRINTED N AND TITLE	~	naw inster

	results to	BOS MICCOI	6/15/94 \$6	9
CLIENT: Amo Co	BLAGG ENG D. BOX 87, BLC	OMFIELD,	NM 87413	C.O.C. NO: 1569
	(505)	632-1199		0-₽
FIELD REPORT:	CLOSURE VI	ERIFICATIO	ON	JOB No:
LOCATION: NAME: WARREN	Com WELL #:	3 PIT:	Blow	DATE STARTED: 6-10-94
	TWP: 28 N RNG: 01		NTY: S F ST:NA	
QTR/FOOTAGE: SE/4	contractor:	PAUL	especie z	ENVIRONMENTAL REG
SOIL REMEDIATION: EXCAVA				
	ITY: ON SUR			1
LAND USE:	ran 6 s	LEASE	: FEA. LJE	SRM 1549
FIELD NOTES & REMARKS:	PIT LOCATED APPRE	XIMATELY	00 FEET <u>/</u>	75°E FROM WELLHEAD.
DEPTH TO GROUNDWATER 750'			_ NEAREST SURFAC	E WATER:
NMOCD RANKING SCORE:				
SOIL AND EXCAVATION DESC	RIPTION: MOIST, BEO	w, 5AW -	NO apod	2 / STAIN.
				י ב
(LOSED)				
CAUDIT ID		CALCULATIONS	TION READING CAL	C nom
SAMPLE I.D.	LAB No: WEIGHT (g) n	IL. FREON DIEG	TOTA TEADING CAL	
SCALE				
O S OFT PIT PERIMET	iii 10)	OVM SULTS	PIT	PROFILE
		FIELD HEADSPACE PID (ppm)		
Surface Gradent	N TINSEST	NO	-	
	3 55 @ 5' - 4 ws e 4'	<u> </u>	 	
	5 CB e 9'	ND	_	
				18'
To (9 @ @)		··································	<u> </u>	
			上	
		LAB SAMPLES		
- Ser '		418.1		· —
Pur !			_	
		,		
TRAVEL NOTES: CALLOUT:	1.0	ONSITE:	6-10-94	1400 HES,



TOTAL PETROLEUM HYDROCARBONS

Attn:

R. E. O'Neill

Date:

6/13/94

Company: Blagg Engineering

Lab ID:

1569

Address:

P.O. Box 87

Sample No.

1662

City, State: Bloomfield, NM 87413

Job No.

2-1000

Project Name:

Amoco Production

Project Location:

Warren Com #3; CB @ 9' - Blow Pit

Sampled by: **REO** Date:

6/10/94 Time:

1417

Analyzed by: Type of Sample: TTSoil

6/13/94 Date:

Laboratory Analysis

Laboratory		Total Petroleum
Identification	Sample Identification	Hydrocarbons
	Amoco Production	
1662-1569	Warren Com #3; CB @ 9' - Blow Pit	20 mg/kg

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:

Date:

FAX: (505) 327-1496 • 24 HR. – (505) 327-7105 • OFF.: (505) 325-8786 3005 NORTHRIDGE DRIVE - SUITE F - P. O. BOX 2606 - FARMINGTON, NEW MEXICO 87499 P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM 88211

Strict III

1000 Rio Brazos Rd, Azzec, NM 87410

<u>District I</u> P.O. Box 1980, Hobbs, NM 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:	200 Amoco Court, Farmingto	on, New Mexico 87401
Facility Or:	WARREN con #3	
		Sec 12 T28N R 9W County SAN JUAN
Pit Type: Sepa	rator Dehydrator X	Other
Land Type: BL	M, State, Fee	, Other Com. AGMT.
Pit Location: (Attach diagram)	Pit dimensions: lengt	ch 20', width 20', depth 3'
	Footage from reference Direction from referen	e:
	A. e	of West South
Depth To Groun (Vertical distance contaminants to a high water elevate ground water)	e from easonal	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)
domestic water so	et from a private ource, or; less than a lother water sources)	Yes (20 points) No (0 points)
•	nce to perennial vers, streams, creeks,	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
l		RANKING SCORE (TOTAL POINTS):

Date Remediation St	arted:	Date Completed: 6-10-94
Remediation Method:	Excavation X	Approx. cubic yards
(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	site
General Description	Of Remedial Action	:
Excavation	on	*
	<u> </u>	
nmoch halfe	Corresponden	12-19-96
		Yes Depth
Final Pit: Closure Sampling: (if multiple samples,	Sample location	see Attached Documents
attach sample results and diagram of sample	Sample depth	9'
locations and depths)	Sample date6	-10- 94 Sample time
	Sample Results	
	Benzene(ppm)	
	Total BTEX(pp	om)
	Field headspa	ce(ppm) 6.4
	TPH 120 PP	<u>M</u>
Ground Water Sample	: Yes No	_ (If yes, attach sample results)
I HEREBY CERTIFY TH OF MY KNOWLEDGE AND		ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE	DETNMEN	NAME RULL D SLA.
SIGNATURE (S)	aw AND TITE	NAME Buddy D. Shaw E Environmental Coordinator

RESULTS TO BOD MCCOY 6/15/94 RED BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 LOCATION NO: BOOOS CLIENT: AMOCO C.O.C. NO: 1569 (505) 632-1199JOB No: FIELD REPORT: CLOSURE VERIFICATION PAGE No: LOCATION: NAME: WARREN COM WELL #: 3 PIT: DATE STARTED: DATE FINISHED: 6-10-94 QUAD/UNIT: P SEC: 12 TWP: 28 N RNG: D9 WBM: NM CNTY: ST ST: NM ENVIRONMENTAL FEO QTR/FOOTAGE: SE/4 SE/4 CONTRACTOR: PAUL VELLSQUEZ SOIL REMEDIATION: EXCAVATION APPROX. 20 FT. x 20 FT. x 8 FT. DEEP DISPOSAL FACILITY: ON SINE CUBIC YARDAGE: 100 30 LEASE: FED. LSE# SRM 1549 LAND USE: RANGE FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 120 FEET NISE FROM WELLHEAD. DEPTH TO GROUNDWATER: 750 NEAREST WATER SOURCE: 71000 NEAREST SURFACE WATER: 71000 NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD 1000 PPM SOIL AND EXCAVATION DESCRIPTION: MOIST, SPOWN, SAMOY SOIL - NO OBOR / STAIN, COSED FIELD 418.1 CALCULATIONS WEIGHT (g) mL. FREON DILUTION READING CALC. ppm SAMPLE I.D. LAB No: SCALE 0 10 20FT OVM PIT PROFILE PIT PERIMETER RESULTS SAMPLE FIELD HEADSPACE PID (ppm) suppace NSES GANDIENT Eses 4 wses 5 cbe 9 **(S)** Q LAB SAMPLES DEAT (3) 418.1

____ONSITE: 6-01-04 1248 #45,

TRAVEL NOTES:

CALLOUT:



TOTAL PETROLEUM HYDROCARBONS

Attn:

R. E. O'Neill

Date:

6/13/94

Company: Blagg Engineering

Lab ID:

1569

Address:

P.O. Box 87

Sample No.

1663

City, State: Bloomfield, NM 87413

Job No.

2-1000

Project Name:

Amoco Production

Project Location:

Warren Com #3; CB @ 9' - Dehy Pit

Sampled by:

REO

6/10/94 Time: Date:

1320

Analyzed by: Type of Sample: TT Soil 6/13/94

Laboratory Analysis

Laboratory		Total Petroleum		
Identification	Sample Identification	Hydrocarbons		
	Amoco Production			
1663-1569	Warren Com #3; CB @ 9' - Dehy Pit	120 <i>mg/kg</i>		

Date:

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:

Date:

FAX: (505) 327-1496 • 24 HR. – (505) 327-7105 • OFF.: (505) 325-8786 3005 NORTHRIDGE DRIVE - SUITE F - P. O. BOX 2606 - FARMINGTON, NEW MEXICO 87499 District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Arlesia, NM 88211
Strict III
1000 Rio Brazos Rd, Azzec, 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

SEP 2001
RECEIVED
OILOON DIV

PIT REMEDIATION AND CLOSURE REPORT. 3

Operator:	Amoco Production Company	Telephone: (505) - 326-9200
Address:	200 Amoco Court, Farmington	n, New Mexico 87401
Facility Or:	v Afrew com #3	
Location: Unit	or Qtr/Qtr SecPs	ec 12 T28N R 9W County SAN JUAN
Pit Type: Sepa	rator <u>K</u> Dehydrator	Other
Land Type: BL	M, State, Fee	, Other Com. Abmt,
Pit Location: (Attach diagram)	Reference: wellhead X	15', width 15', depth 8' , other - 70 - 15' Degrees X East North X of West South
Depth To Groun (Vertical distant contaminants to s high water elevat 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)
	nce 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:	6-10-94
Remediation Method:	Excavation X	わし	
(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	site	-
General Description	Of Remedial Action	:	
Excavation	on	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
100 100		· .	
	· i.		
nmoch letter	· Correspondence	١٦	1-19-96
Ground Water Encoun	tered: 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	8'	
1004010.10 4.14 4660.12,	Sample date6-	O-99 Sample time	
	Sample Results		
	Benzene(ppm)		
	Total BTEX(pp	m)	
	Field headspa	ce(ppm) O	
	TPH 35 PPM		
Ground Water Sample	: Yes No	(If yes, attach sample r	esults)
I HEREBY CERTIFY TH OF MY KNOWLEDGE AND		ABOVE IS TRUE AND COMPLETE	TO THE BEST
DATE 6/2/97	A	RIINSI	a. 1
SIGNATURE SSS L	PRINTED AND TITL		ordinator

RESULTS TO BOB MILLOT	6/15/94 REO
BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 8	07413 LUCATION NO. <u>B0008</u> C.O.C. NO. <u>1569</u>
(505) 632-1199	0-S
FIELD REPORT: CLOSURE VERIFICATION	JOB No: PAGE No: of
LOCATION: NAME: WARREN COM WELL #: 3 PIT: SET	
QUAD/UNIT: P SEC: 12 TWP: 28 N RNG: 09 W BM: NM CNTY: 55	ENN/IDONIMENTAL -
OTR/FOOTAGE: SE/Y SE/Y CONTRACTOR: PAYL VELASON	ENVIRONMENTAL R CO
SOIL REMEDIATION: EXCAVATION APPROX!S_ FT. x _!S	
DISPOSAL FACILITY: on s ite CUB	
LAND USE: RANGE LEASE: FEO.	LSE * SRM 1549
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 70 F	
DEPTH TO GROUNDWATER > 50 NEAREST WATER SOURCE > 1000 NEARES	T SURFACE WATER: >1000
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM	
SOIL AND EXCAVATION DESCRIPTION: MOUT, BROWN, SANSTONE DRY PIT EXCAUNTED INTO SA	- NO ODOR/ STALL .
DRY PIT EXCAUNTED INTO SA	NO STOKE.
BEDROX (105ED)	
BEDROX BOTTOM FIELD 418.1 CALCULATIONS SAMPLE I.D. LAB No: WEIGHT (g) mL. FREON DILUTION REA	DING CALC
SAMPLE I.D. LAB No: WEIGHT (g) mL. FREON DILUTION REA	JING CALC. ppm
SCALE	
O 1º 2ºFT OVM PIT PERIMETER RESULTS	PIT PROFILE
SAMPLE FIELD MEADSPACE	
GRANGUT RISE S NO	
PHT N 2 ES@ 5 NO 3 SS@ 4' NO	
5 cses' NO	
TO 600	18'
weu (1)	
SEP	_
LAB SAMPLES	
<u> </u>	-
	-
TRAVEL NOTES: 6-10	-94 1330 Hes



TOTAL PETROLEUM HYDROCARBONS

Attn:

R. E. O'Neill

Date:

6/13/94

Company: Blagg Engineering

Lab ID:

1569

Address:

P.O. Box 87

Sample No.

1664

City, State: Bloomfield, NM 87413

Job No.

2-1000

Project Name:

Amoco Production

Project Location: Sampled by:

Warren Com #3; CB @ 8' - Sep Pit

Date: Date: 6/10/94 Time:

1350

Analyzed by:

REO TT

6/13/94

Type of Sample:

Soil

Laboratory Analysis

Laboratory		Total Petroleum
Identification	Sample Identification	Hydrocarbons
	Amoco Production	
1664-1569	Warren Com #3; CB @ 8' - Sep Pit	35 <i>mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:

Date:

FAX: (505) 327-1496 • 24 HR. - (505) 327-7105 • OFF.: (505) 325-8786 3005 NORTHRIDGE DRIVE - SUITE F - P. O. BOX 2606 - FARMINGTON, NEW MEXICO 87499 1569

CHAIN OF CUSTODY RECORD

Date: 6-10-44

Page

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

Boook Remarks (matrix) 07.4 Telefax No. 632-3703 Soll -= 6 KM/21 Sampling Location: Date/Time Date/Time ANALYSIS REQUESTED Title 5 Working Days 10 Working Days मिर् 632-1199 663-1569 JAM. O SAME (1) Mailing Address X City, State, Zip Telephone No. 178 Company Name CTSS Received by: Received by: Received by: Rush REPORT OT STJUSBA Number of Containers 1500 COMPOSITE/ PRESERVATIVES GRAB 7000 <u>ٽ</u> Date/Time 6/10/4Y C 23 Date/Time Date/Time -۳ Dept. Date_ 87413 CIM 01/9 1320 1350 DATE/TIME SAMPLED BLAGG ENGINEERING, INC. Reference No.: (Client Signature Must Accompany Request) ٤ ξ ₹. ₹. こる ヒる PIL SWONF JELD, シャン WARREN COM # 3 SEP. Blow DEN Y SAMPLE IDENTIFICATION 1.0 BUK 0. KERT City, State, Zip W Purchase Order No.: Method of Shipment: Company Special Instructions: œ. Address 6 Relinquished by: ò Relinquished by: Relinquished by: Name Authorized by: Ò CBR C80 3 Sampler: INVOICE SEND 90

Distribution: White - On Site Yellow - LAB Pink - Sampler Goldenrod - Client

CLIENT: BP	BLAGG F P.O. BOX 87,	BLOC		NM 87		LOCATION C.O.C	NO: _	
FIELD REPORT:					SURE	VERIF	ICATI	ION
QUAD/UNIT: P SEC: 17	com Well typ: 28.1 RNG:	#: 3 9w	PITS: o	BLOW DEHY	5 <i>EP</i> .	DATE STARTE	ED: <i>6//</i>	15/01
QTR/FOOTAGE:	SE/SE CONTRA	ACTOR:	P + 3			SPECIALIST:	<i>N</i>	V
SOIL REMEDIATION: REMEDIATION SYS LAND USE:				PROX. CU				-
FIELD NOTES & REMA DEPTH TO GROUNDWATER: <1 NMOCD RANKING SCORE: 10 UERY POLE DRAWGE FIRM, MAPPAREM SAMPLE PTS. OR COMPOSITE SAMPLE	NEAREST WATER NMOCD TPH CLOS TO CT. OLIVE GRAY OISCOLORATION / STAPPLE , SAMPLE	SAND SAND INING OF WE OFFTI	NON COHEST	P.C. IVE, DRY T HC ODOR	6/10/94 o sught	ry moist	r, 10051 NY OF	e to
SAMP. TIME S			.1 CALCULAT (g) mL. FRE	IONS		G CALC. p		
DPAR PERMETER - PARKER MARKER S4,53 EROM WELL HER	3 3 3 2 2 2	130			'_ @ /p	m 6/15/01 LAB SA		ES RESULTS ND
TRAVEL NOTES: CALLOL revised: 03/12/01	5A 70		SCALE 0 ONSITE:	FT 6/15/0	· 1			bei1006.sk
								



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	06-20-01
Laboratory Number:	20071	Date Sampled:	06-15-01
Chain of Custody No:	8419	Date Received:	06-18-01
Sample Matrix:	Soil	Date Extracted:	06-19-01
Preservative:	Cool	Date Analyzed:	06-19-01
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:

Warren Com #3 Landfarm.

5 Pt. Composite.

Alexa C. Cefrera

(Mistering Walters Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

Sampler: NTV Sample Sample Sample Lab Number Sample No. Sample Sample Lab Number SF - 1	Project Location WPREJ KASE	ANALYSIS / PARAMETERS	RAMETERS
Sample Sample Lab Number Date Time Lab Number [15/61 0900 2007] [15/61 1330 2007] [15/61 1330 2007] [15/61 1330 2007]	75-75	ainers	Remarks
1/5/01 0900 20070 1/5/01 120 20071 1/15/01 1330 20072.	ļ	0N	MESERVED COOL
115/01 1230 20071 115/01 1330 20071		/ /	SPOCKPIES IN # 16
1/15/01 1230 20071 1/15/01 1330 20072.		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	LALOFARM WARES # YE
1/15/01/330 20072		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	LANGFRATA WARAFA COM # 2
EQ Date		, <u> </u>	いるのでは、これの日本ので、
EQ Date			
Dai			
Dail Color		·	ALL SAMPLES
Dad			S PT. COMPOSITE
	Date Time		Date Time
	 	Received by: (Signature)	1
		Received by: (Signature)	
		VIROTECH INC.	Sample Receipt
			A/N Y
	5796 U. Farminaton	5796 U.S. Highway 64 Farmington, New Mexico 87401	Received Intact
	(505)	(505) 632-0615	Cool - Ice/Blue Ice