SUBMIT 1 COPY TO

NTA PE OFFICE

DISTRICT OFFICE AND 1 SOPY TO

District I 2.O. Box 1980, Hobbs, NM District II O. Drawer DD, Artesia, NM \$8211 strict III 1000 Rio Brazos Rd, Aztec, NM 87410 State of New Mexico

Energy, Minerals and Natural Resources Department

Prod Tank - OK 12/12/01
OIL CONSERVATION DIVISION

Dehy-Risk bahocke. O. Box 2088 Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPOR

Operator:	Amoco Production Company	Telephone: (505) - 326-9200
Address:	200 Amoco Court, Farmington	, New Mexico 87401
Pacility Or:	FLORANCE C' LS	3
Location: Unit	or Qtr/Qtr SecKSe	00 19 1282 R 802 County SAN JUAN
Pit Type: Separ	rator Dehydrator O	ther production TANK
		, Other
Pit Location: (Attach diagram)	Reference: wellhead X Footage from reference:	. /4 , width /6 , depth 6 , other
Depth To Groun (Vertical distance contaminants to s high water elevat ground water)	e 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 al other water sources)	Yes (20 points) ONO (0 points)
Distance To Su (Horizontal distal lakes, ponds, riv irrigation canals	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): $\frac{30}{}$

Date Remediation St	arted:	Date Completed:	7/19/94
Remediation Method:	Excavation X	Approx. cubic yards	·
(Check all appropriate sections)	Landfarmed \nearrow	Insitu Bioremediation _	
	Other		
Remediation Location (ie. landfarmed onsite, name and location of offsite facility) General Description		fsite	-
Excavation			
nmoch letter	correspondence	e 7-10-96	
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	6'	
locations and depths)	Sample date 7/10	9/94 Sample time	2815
	Sample Results		
	Benzene(ppm)	***************************************	
	Total BTEX(p	m)	
	Field headsp	ace(ppm)	
	TPH 86 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 COMPLET	E TO THE BEST
DATE 7/19/94		D 11 x C1	
SIGNATURE SS	PRINTED AND TIT	NAME BUDD SI	nach inatar

Date Remediation St	arted:	Date Completed:	7/19/94
mediation Method:	Excavation X	Approx. cubic yards	50
	Landfarmed \nearrow	Insitu Bioremediation	
,	Other		
Remediation Location	n: Onsite X Off	site	
(ie. landfarmed onsite, name and location of offsite facility)	ŕ		-
General Description	Of Remedial Action	:	
Excavatio	on		
	No. 7/	Yes Depth	
ound Water Encoun	tered: NO 🚣		
		see Attached Documents	
Final Pit: Closure Sampling:	Sample location		
(if multiple samples, attach sample results		5	
a alaman of gample	Sample depth	94 Sample time	0815
		11' Sampte cime_	
	Sample Results		
	Benzene(ppm)		
	Total BTEX(pr		
	Field headspa	ace(ppm) 1.7	
	TPH 86 ppr	<u>~</u>	
Ground Water Sample	Yes No _	✓ (If yes, attach sample)	results)
HEREBY CERTIFY TH	AT THE INFORMATION	ABOVE IS TRUE AND COMPLET	E TO THE BEST
F MY KNOWLEDGE AND			1
DATE 7/19/94 SIGNATURE 3/5/	PRINTED	NAME Buddy D. S.	haw, 1
SIGNATURE /2X/>	TAW AND TIT	LE ENVIRONMENTAL	OURDINATOR

	RESULTS GIVEN TO BOB MCCOY 7/22/94 91V
	BLAGG ENGINEERING, INC. LOCATION NO. 800 26 P.O. BOX 87, BLOOMFIELD, NM 87413 C.D.C. NO
	FIELD REPORT: CLOSURE VERIFICATION PAGE No: of(
	LOCATION: NAME: FLORANCE C LS WELL #: 3 PIT: PROD. DATE STARTED: 7/9/94 DATE FINISHED: 7/19/94 DATE FINISHED: 7/19/94
	SOIL REMEDIATION: EXCAVATION APPROX. 14 FT. x 16 FT. x 6 FT. DEEP. DISPOSAL FACILITY: LANDFARMED ON-5176 CUBIC YARDAGE: 50
	LAND USE: RANGE LEASE: NM-03549
	FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 60 FEET 105€ FROM WELLHEAD. DEPTH TO GROUNDWATER: <50 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: <1000
	NMOCD RANKING SCORE: 30 NMOCD TPH CLOSURE STD: 100 PPM ELEV. 5795 FORMATION: 58PC NV
	SOIL AND EXCAVATION DESCRIPTION:
	DK. YELL, BROWN JAND W JOME THALE & GRAVEL MIX,
)	NON-COHESIVE, ORY TO SUIGHTLY MOIST, LOOSE TO DEASE, NO APPARENT HC DOOR IN OUM STAMPLES.
	FIELD 418.1 CALCULATIONS
	SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DILUTION READING CALC. ppm
	Ge 6' TPH-1029 10 20 1:1 43 86
	SCALE
	O FT PERIMETER NO OVM PIT PROFILE
	SAMPLE FIELD HEADSPACE PID (ppm.)
	A 2@31 1.4 3@31 1.2
	3031 1.8 4031 1.6 506/ 1.7
	16' @ 6
	3 TANK
	Arc Perc
	LAB SAMPLES
)	
)	

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

Sample ID:

5 @ 6'

Florance C3

Project Location: Laboratory Number:

TPH-1029

Project #:

Date Analyzed: Date Reported:

7-19-94 7-19-94

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg – – – – –
Total Recoverable Petroleum Hydrocarbons	86	10

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
		_
1620	1520	6.37

^{*}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:

Production Tank Pit - B0026

Review

District I P.O. Box 1980, Hobbs, NM District II P.O. Drawer DD, Artesia, NM 88211 strict 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 DIVISA P.O. Box 2088

Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSE

		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Address:  Pacility Or: Well Name  Location: Unit Pit Type: Sepa	FLORANCE C3  or Otr/Otr Sec_ K se  rator_ Dehydrator X 0	Telephone: (505) - 326-9200
Pit Location: (Attach diagram)	Reference: wellhead X Footage from reference:	77 , width 40 , depth 10 , other 90  e: 81 Degrees X East North of West South X
Depth To Groun (Vertical distance contaminants to a high water elevate ground water)	ce from seasonal zion of	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points) ZO
domestic water so 1000 feet from a Distance To Su (Horizontal distance)	eet from a private ource, or; less than ll other water sources)  urface Water: ance to perennial vers, streams, creeks,	Yes (20 points) No (0 points)  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:	71,9/94
Remediation Method:	<del></del>	Approx. cubic yards	_
(Check all appropriate sections)	Landfarmed X	Insitu Bioremediation	
	,	•	<del></del>
	Ochei		
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)	n: Onsite × Offs	ite	-
General Description	Of Remedial Action:		
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 /	01	
locations and depths)	Sample date 7/19		
	Sample Results	·	
	Benzene(ppm)		
	Total BTEX(ppm	)	
	Field headspac	e(ppm) 849	
	TPH 1640 ppm		
Ground Water Sample	: Yes No 🔀	(If yes, attach sample	results)
I HEREBY CERTIFY TH OF MY KNOWLEDGE AND		BOVE IS TRUE AND COMPLET	re to the best
DATE 7/19/94	Å	DIIKC	1 .
SIGNATURE SSS	rau PRINTED N	AME Buddy D. S Environmental	haw Poordinator

			RESUL	75 E	ト イルンド	6 B08	Mecoy	7/22/74	911
CLIE	ENT: AMO	COP.C	BLAGO BOX 8	G ENC 7, BL	GINEERI	NG, IN LD, NM	C.	LOCATION N	
F	IELD RE	PORT:	CLOS	SURE	VEF	RIFICA	ATION	PAGE No: _	
	CATION: NAME:							DATE STARTED: DATE FINISHED:	7/19/94
	IAD/UNIT: K	, ,	1					ENVIRONMENTAL SPECIALIST:	<b>N</b> V
SOIL	REMEDIATIO								
		USE:						DAGE: <u>                                    </u>	
FIEL	D NOTES &	REMARKS:	PIT LOCATE	D APPRI	]XIMATEL	y 90	_ FEET _	5818 FRD	M WELLHEAD.
l l	H TO GROUNDWAT D RANKING SCORE								
	AND EXCAVA		RIPTION: Þ.		Rantain	SHALY	ROCK A	PPROX. 6'B	ELOW
	TANK INST		S11	Rouno ' DEWALL	swithce o botto	1 Novoci 1940 ma	SAMPLE	5. South S	ואל אלואל אל
			م	MANNA.	sius hart	اقدا سا	masture	CONTENT,	
		SAMPLE I.D.			CALCULA mL. FREON		READING CAL	.C. ppm	
		5010' TI		10	20	10:1		1640	
	SCALE -		1	-					
	TEAL								
0	PIT PI	ERIMETE	ER 70		OVM SULTS		PIT	PROFIL	<u>E</u>
			1	SAMPLE ID	FIELD HEADSPACE PID (ppm)		<b></b>	<u></u>	
_		_	3	@ 7' @ 8'	844		, , , , ,	<u>'</u>	
}			<u>4</u> 5	@ 31 @ 10'	849	Su/A	CHA STAN		// lo'
50	<b>*</b>	(S)		1871	0.8		lz	<b>_</b>	
	30'0		<u> </u>	APIQI	0.4		TC		
7.	1 17	€HY							
	1	17'	<b>-1</b>		LAB SAM	PLES			
	TO WELL								
	HEAD								
				<del> </del>					
TRAV	VEL NOTES:	CALLOUT:	18/94		ONSIT	E: <u>אור</u>	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

Sample ID:

5 @ 10'

Project Location:

Laboratory Number:

Florance C 3 TPH-1030 Project #:

Date Analyzed:
Date Reported:

7-19-94 7-19-94

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg 
Total Recoverable Petroleum Hydrocarbons	1,600	100

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample
TPH mg/kg

Duplicate
TPH mg/kg

1520

% *Diff. — — — =

6.37

1620
*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 - B0026

Review

P.O. BOX 87, BLOO	NEERING, INC. OMFIELD, NM 87413 32-1199  C.D.C. ND: 2263
FIELD REPORT: LANDFARM/COMP	
QUAD/UNIT: K SEC: 19 TWP: Z8N RNG: 8W I	PM: NM CNTY: ST ST: NM
SOIL REMEDIATION:  REMEDIATION SYSTEM: LANDFARMED  LAND USE: RONGE	APPROX. CUBIC YARDAGE: //90  LIFT DEPTH (ft): 0.5-2.0
FIELD NOTES & REMARKS:  DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE:  NMOCD RANKING SCORE: 30 NMOCD TPH CLOSURE STD:	100 PPM ELEU. 5795 GL.
ABOVE DOWN SHOPE DOOP OFF (APPRIL	ESCH SAMPLE PT. LANDFARM SUBHTLY WESTERN EDGE OF LANDFARM LOCATED SYST  X. 40').  (CWSED)
SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (	CALCULATIONS  (g) ml. FREON DILUTION READING CALC. ppm
SKETCH/SAMPLE LOCATIONS  O  N  N  N  N  N  N  N  N  N  N  N  N	OVM RESULTS  SAMPLE FIELD HEADSPACE SAMPLE ANALYSIS TIME RESULTS ID  LF-1 0.0 LF-1 TPH(8015) //25 ND
SAMPLE DESIGNATION PO'	
TRAVEL NOTES: CALLOUT: NA	SCALE  0 FT  ONSITE: 8/26/96



# TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

## **Diesel Range Organics**

#### Blagg Engineering, Inc.

Project ID:

Florance C LS #3

Sample Matrix: Soil Preservative:

Cool

Condition:

Intact

Report Date:

08/30/96

Date Sampled:

08/26/96

Date Received:

08/27/96

Date Extracted:

08/28/96

Ľ	ate	Ana	lyzed:	:

08/28/96

Sample ID	Lab IDa	Concentration (mg/kg)	Detection Limit (mg/kg)
LF - 1	4835	ND	20.0

ND- Analyte not detected at the stated detection limit.

**Quality Control:** 

Surrogate

% Recovery

**Acceptance Limits** 

o - Terphenyl

66%

50 - 150%

Vid C

Reference:

EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas

Chromatography." Test Methods for Evaluating Solid Waste, Physical/

Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments:

Analyst



263

COMMENTS

METALS

WATER ANALYSES

ORGANIC ANALYSES

**CHAIN OF CUSTODY** 

307 S. CARLTON • FARMINGTON, NM 87401 • (505) 326-2395

PROJECT MANAGER: Anaitas Lab I.D.:

Company: Address:

Surse

Phone: Æ: Bill To:

Company: Address:

¢	
S. Abril	
	/

A1804		
98		
Name Name		

A BOW	
98	
12 A	

Time 1/25 8/25/96 Date Sample ID 1-47

ABOUE	
98	
Same	

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Cliphi

Petroleum Hydrocarbons (418.1)

(ORD) enilossD

5 PT. COMPOSITE

Other (specify):

Other (specify):

Oil and Grease

Cation / Anion

Other (specify): **TCLP Extraction** 

Herbicides (615 / 8150)

(1.503 \ 1.503) selitslov AWQ2 Chlorinated Hydrocarbons (8010) Aromatic HCs BTEX/MTBE (602 / 8020)

Gasoline / Diesel (mod. 8015)

Solids: TDS / TSS / SS

BOD \ Fecal \ Total Coliform

Sbecitic Anions (sbecity): Specific Cations (specify):

PRESEN.

Nutrients: NH4+ / NO2- / NO3- / TKN

Polynuclear Aromatic Hydrocarbons (8100)

Chlorinated Pesticides / PCBs (608 / 8080)

Base / Neutral / Acid GC/MS (625 / 8270) Volatiles GC/MS (624 / 8240 / 8260)

7007

RCRA Metals TCLP (1311) HCRA Metals (Total) Priority Pollutants

MERCH

LANDFORM

Matrix 7/05

Sample Receipt No. Containers:

Sampled By:

ß Project Information

Proj. #:

Custody Society Y / N / NA Proj. Name Flora

P. O. No:

Required Turnaround Time (Prior Authorization Required for Rush) Received By: ower Received Cold: Shipped Via:

Shaded areas for lab use only.

Received By:

080

buse Received By:

Please Fill Out Thoroughly.

Date:

Relinquished By:

Relinquished By:

Signature

White/Yellow: Anaitas Pink: Client

To:

Сомралу:

Company: