JICARILLA APACHE TRIBE
DEPUTYOLAGAS INSPECTION OFFICE
P.O. BOX 507

DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

The state of the s	
Operator: AMOCO PRODUCTION COMPANY	Telephone: (505)326-9200
Address: 200 Amoco Court, Farmington, N	NM 87401
Facility or Well Name: JICARILLA CONTR	2ACT 148-20
Location: Unit or Qtr/Qtr Sec Sec 73 T_7	
Pit Type: Scparator Dehydrator Other	BLOW
Land Type.	
(Attach diagram) Reference: wellhead X, Footage from reference: 7: Direction from reference: 3	Degrees X East North X of West South
high water elevation of	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)
groundwater) Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Greater than 100 feet (0 points)
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet (10 points) Greater than 100 feet (0 points)
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)
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
h	RANKING SCORE (TOTAL POINTS):

	8725) Brom 64
Date Remediation Star rediation Method: :k all appropriate sections)	rted: Date Completed: Z8 98
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) General Description of	- · V osc.iv
Groundwater Encount	tered: No X Yes Depth
Closure Sampling:	Sample location see Attached Documents
Groundwater Sample	
I HEREBY CERTIFY KNOWLEGE AND I	DDINTED NAME Buddy D. Shaw
TO THE JICARILL	AND TITLE Environmental Coordinator F THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE A APACHE TRIBE PIT CLOSURE ORDINANCE.
APPROVED: YES	X NO (REASON)

P.O. BOX	GG ENGINEERING, INC 87, BLOOMFIELD, NM (505) 632-1199	87413	C.O.C. NO: 87527
FIELD REPORT: CLO	OSURE VERIFICA	TION	PAGE No: of
OCATION: NAME: TICA. CONTR. 148	WELL #: ZO PIT: BLOW	J	DATE STARTED: //27/98 DATE FINISHED:
QUAD/UNIT: 8 SEC: 23 TWP: Z5N QTR/FOOTAGE: NWH NELY	CONTRACTOR: P 6-5	51:1010	ENVIRONMENTAL NV SPECIALIST:
EVERYATION APPROX 20 FT. X	5 FT x 18 FT. DEEP.	CUBIC	YARDAGE: 150
DISPOSAL FACILITY: ON -SIT	TE REMEDIATION LEASE: FED. # 148	METHO FOR	RMATION: pc/ck
DELLA DICC	TO LED ADDROVIMATELY 75	5 FT N	20€ FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100 NEAREST N	VATER SOURCE:NEAR	REST SURFAL	CHECK DNE
NMOCD RANKING SCORE: NMOCD TPH SOIL AND EXCAVATION DESCRIP	TION:		_ PIT ABANDONED _ STEEL TANK INSTALLED
MOSTLY PALE ORANGE TO SLIGHTLY MOIST, FIRM, NO A			FIBERGLASS TANK INSTALLED
SCALE 0 FT		ULATIONS IL FREON C	ILUTION READING CALC. ppm PROFILE
PIT PERIMETER N	OVM	A	
A	RESULTS SAMPLE FIELD HEADSPACE PID (ppm)	·	25 A
25 3 3 A	1 e 14' 0.0 2 e 15' 0.0 3 e 15' 0.0 4 e 16' 0.0 5 e 21' 0.0	8,	
1 TO			
A HEDD	LAB SAMPLES SAMPLE ANALYSIS TIME		
	(S) e21 TPH 418.1 1100		
	(MSSED)		
TRAVEL NOTES:	ONSITE: 1 13	198 1	27/98
TRAVEL NOTES: CALLOUT:	ONSITE: 1113	1 10 / · ·	



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Needed:	01-28-98 01-27-98 01-27-98 01-28-98 01-28-98 TPH-418.1
	Date Received: Date Extracted: Date Analyzed:

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

21.0

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Contract 148-20 Blow Pit.

Decent. Opena

Stacy W Sendler

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

8J527 SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY	Telephone : (505)326-9200				
Address: 200 Amoco Court, Farmington, N	Address: 200 Amoco Court, Farmington, NM 87401				
Facility or Well Name: JICARILLA CONTRAC	=7 148-20				
Location: Unit or Qtr/Qtr Sec_ & Sec_ 3 T25	SN R SW County KIO ARRIBA				
Pit Type: Separator Dehydrator Other_ &	NOW (II)				
Pit Location: Pit dimensions: length	other				
Footage from reference: 7					
	Degrees East North X				
	West South				
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)				
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet (10 points) Greater than 100 feet (0 points)				
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet (10 points) Greater than 100 feet (0 points)				
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)				
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)				
n.	RANKING SCORE (TOTAL POINTS):				

BJ527 BLOW PIT (II)

Date Remediation Sta	rted:	Date Completed:	5/18/98
	Excavation X	Approx. cubic yards	100
mediation Method: neck all appropriate			
ections)	Landfarmed _X_		
	Other		
Remediation Location i.e. landfarmed onsite, ame and location of ffsite facility)			
General Description	of Remedial Action: Excavation	n	
Groundwater Encoun	tered: No X Yes	Depth	
Final Pit: Closure Sampling: (if multiple samples,	Sample location see Attached		
attach sample results	Sample depth 16'	IT BOTTOON)	
and diagram of sample locations and depths)	Sample date 5/18/98	Sample time	0830
•	Sample date	Sample time	
	Sample Results		(. 1.)
	Soil: Benzene (ppm)	Water: Benze	
	Total BTEX (ppm)	Tolue	
	Field Headspace (ppm)	O.O Ethyl	benzene (ppb)
	TPH (ppm)		Xylenes (ppb)
Groundwater Samp			
I HEREBY CERTIF KNOWLEGE AND	Y THAT THE INFORMATION ABO BELIEF	VE IS TRUE AND COMPL	ETE TO THE BEST OF M
D 4 (D)D	5/18/98 PRINTED 1	NAME Buddy D. Sha	W
SIGNATURE	Oly D. Shaw AND TIT	TLE Environmenta	1 Coordinator
	OF THE PIT CLOSURE INFORMATI A APACHE TRIBE PIT CLOSURE	ON, PIT CLOSURE IS APP ORDINANCE.	PROVED IN ACCORDANC
APPROVED: YES	NO (REASON)		
h V_	DATE DATE	: 6-15-98	

CLIENT: AMOCO	BLAGG ENGINEERING, INC. .O. BOX 87, BLOOMFIELD, NM 87 (505) 632-1199	413 C.D.C. ND:
QUAD/UNIT: B SEC: 23 QTR/FOOTAGE: NW(4 A EXCAVATION APPROX	CLOSURE VERIFICATION TR. WELL #: 20 PIT: BLOW TWP: 25N RNG: 5W PM: NM CNTY: RA ST E/4 CONTRACTOR: P+5 FT. x Z4' FT. x (4' FT. DEEP. (20) N-SITE REMEDIATION M LEASE: JIC 148	DATE STARTED: 5/18/98 DATE FINISHED: ENVIRONMENTAL SPECIALIST: CUBIC YARDAGE: 100 METHOD: LANDFARM
FIELD NOTES & REMARK DEPTH TO GROUNDWATER: >>>>> NMOCD RANKING SCORE: - SOIL AND EXCAVATION	S: PIT LOCATED APPROXIMATELY 70 NEAREST WATER SOURCE: >/> DOO' NEAREST NMOCD TPH CLOSURE STD: 5000 PPM DESCRIPTION:	FT. NSIN FROM WELLHEAD. SURFACE WATER: >1000' CHECK ONE: YPIT ABANDONED STEEL TANK INSTALLED FIBERGLASS TANK INSTALLED WELL BROWN CAY
FROM 10'- P. PLASTIC, SLIGH OR HE ODDA SAMPLES.	IT BOTTOM SAND-NON CONESTIE SUCH TLY MOIST TO MOIST FIRM TO STIP R OBSERVED WILL EXCRUPTION OR	FE NO APPALENT STAINING
SCALE O FT PIT PERIME BOWN SCOPE 1 A	OVM A	REON DILUTION READING CALC. ppm
DIRECTION D	RESULTS SAMPLE FIELD HEADSPACE PID (ppm)	
↑ ↑° ∪ εν υ ω εν υ ω εν υ ω ω ω ω ω ω ω ω ω ω ω ω ω ω ω ω ω ω	LAB SAMPLES SAMPLE ANALYSIS TIME ID ONSITE: 5/18/9	

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 @ 16'

Date Analyzed:

05-18-98

Project Location:

Jicarilla Contract 148 - 20

Date Reported:

05-18-98

Laboratory Number:

TPH-1978

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
 Duplicate
 %

 TPH mg/kg
 TPH mg/kg
 *Diff.

 ---- --- 1684
 1712
 1.65

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Blow Pit (II) - BJ527

Analyst

Review

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

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

AMOCO

Sample ID:

5 @ 16'

Project Location: Laboratory Number: Jicarilla Contract 148 – 20 TPH-1978

Project #:

Date Analyzed:
Date Reported:

05-18-98 05-18-98

Sample Matrix: Soil

Sample Weight: 5.00 grams Volume Freon: 20.00 mL

Dilution Factor: 1 (unitless)
TPH Reading: 4 mg/kg

TPH Result:

Reported TPH Result:

Actual Detection Limit:

Reported Detection Limit:

16.0 mg/kg

16 mg/kg

20.0 mg/kg

mg/kg

QA/QC: Original Duplicate %

TPH mg/kg TPH mg/kg Diff.

----- 1684 1712 1.65

Comments: Blow Pit (II) - BJ527

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

8J527 SUBMIT 1 COPY TO

NATURAL RESOURCE DEPI AND OIL & GAS ADMINISTRATIO S

PIT REMEDIATION AND CLOSURE REPORT

	/EDE \ 226 0200
Operator: AMOCO PRODUCTION COMPANY	Telephone: (505)326-9200
Address: 200 Amoco Court, Farmington, NM	87401
Facility or Well Name: JI CARINA CONTRAC	
racility or well name: JIEMKILLA CONTRAC) = S() Q : PID ANDIOA
Location: Unit or Qtr/Qtr Sec 8 Sec 23 T25	
Pit Type: Separator Nehydrator Other	
Land Type: RANGE	
	4', width, depth
(Attach diagram) Reference: wellhead X, o	other
Footage from reference:	
Direction from reference: 57	Degrees X East North X
Direction from reference.	of West South
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet (10 points) Greater than 100 feet (0 points)
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet (10 points) Greater than 100 feet (0 points)
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) O No (0 points)
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
Ţ	RANKING SCORE (TOTAL POINTS):

BJ 527 SEP. PIT Date Remediation Started: _____ Date Completed: _____ 5/19/98 Approx. cubic yards ______Z50 Excavation × emediation Method: eck all appropriate Insitu Bioremediation _____ Landfarmed X sections) Other _____ Onsite X Offsite Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) General Description of Remedial Action: Excavation, SMAYED WEST SIDEWALL W FERTUZER_ No X Yes ____ Depth _____ Groundwater Encountered: Sample location ___see Attached Documents Final Pit: Closure Sampling: (if multiple samples, attach sample results Sample depth 15' (WEST SIDEWAL) and diagram of sample locations and depths) Sample date 51898 Sample time 0930 Sample Results (ppb) _____ Soil: Benzene (ppm) 0.0266 Water: Benzene (ppm) <u>논.79</u>○ (ppb) _____ Total BTEX Toluene (ppb) _____ Ethylbenzene Field Headspace (ppm) 1.874 (ppb) _____ (ppm) 93.0 Total Xylenes **TPH** Yes _____ No _x (If yes, attach sample results) Groundwater Sample: I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEGE AND BELIEF PRINTED NAME Buddy D. Shaw DATE Environmental Coordinator AND TITLE SIGNATURE AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE. APPROVED: YES X NO (REASON)

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.D.C. ND: <u>\$7527</u>
FIELD REPORT: CLOSURE VERIFICATION LOCATION: NAME: TICA. CONTR. 148 WELL #: 20 PIT: SEP QUAD/UNIT: B SEC: 23 TWP: 25N RNG: 5W PM: NM CNTY: RA ST: NM QTR/FDDTAGE: NW 4 NE 14 CONTRACTOR: P+5	PAGE No: of DATE STARTED: DATE FINISHED: ENVIRONMENTAL SPECIALIST:
EXCAVATION APPROX. 24' FT. x 29' FT. x 20' FT. DEEP. CUBIC DISPOSAL FACILITY: DN-SITE REMEDIATION METHOL LAND USE: RANGE LEASE: TIC 148 FOR FOR FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 170 FT. A DEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE NMOCD RANKING SCORE: D NMOCD TPH CLOSURE STD: 5000 PPM V SOIL AND EXCAVATION DESCRIPTION:	YARDAGE: Z50 D: LANDFARM RMATION: PC/CK DSTE FROM WELLHEAD. E WATER: >1000 CHECK ONE: PIT ABANDONED STEEL TANK INSTALLED
MOSTLY PALE ORANGE TO MOD, YELL, BROWN SAND NON MOIST, FIRM, NO APPARENT STAINING OR HE DOOR EXCAUATION STRONG HE ODOR WIN WEST SIDEWALL FIELD 418.1 CALCULATIONS TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON D	
SCALE O FT PIT PERIMETER N OVM RESULTS A	PROFILE
SAMPLE FIELD HEADSPACE PID (ppm) SEP A	
TRAVEL NOTES: CALLOUT: 5 2 98 - MORN. ONSITE: 5 18 98 -	morn,



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	4 @ 15'	Date Reported:	05-19-98
Laboratory Number:	D279	Date Sampled:	05-18-98
Chain of Custody No:	5900	Date Received:	05-18-98
Sample Matrix:	Soil	Date Extracted:	05-19-98
Preservative:	Cool	Date Analyzed:	05-19-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	8.7	0.2
Diesel Range (C10 - C28)	84.3	0.1
Total Petroleum Hydrocarbons	93.0	0.2

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:

Jicarilla Contract 148-20 Separator Pit.

Dew L. Oferen

Stacy W Sendler
Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Sample ID: Laboratory Number: Chain of Custody: Sample Matrix: Preservative: Condition:	Blagg / AMOCO 4 @ 15' D279 5900 Soil Cool Cool & Intact	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Date Extracted: Analysis Requested:	04034-10 05-19-98 05-18-98 05-18-98 05-19-98 05-19-98 BTEX
---	---	---	--

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
_	26.6	8.8
Benzene Taluana	46.0	8.4
Toluene	634	7.6
Ethylbenzene p,m-Xylene	1,120	10.8
o-Xylene	961	5.2
Total BTEX	2,790	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-82

USEPA, December 1996.

Comments:

Jicarilla Contract 148-20 Separator Pit.

Deur L. Ojeun

Stacy W Sendler
Review

CHAIN OF CUSTODY RECORD

				<u>ξ</u> * Ω	44-301 2xico 87	ENVIROTECH INC. 57% U.S. Highway 64-3014 Farmington, New Mexico 87401					
				Received by: (Signature)	eived by: (Rec					Helinquished by: (Signature)
				Constant of Constants						•	
1-23-98 1418	(76	Boolea by (Signature)			1/27/9;			2 St	Holinquished by: (Signature)
-	A 79 Laurel	9	Coor	KEEVE		Time Bacel	Date				Relinquished by: (Signature)
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RESTRY - COL	Mes			\	_	5012	a	C 85-3	1100		(5)@211
			· ·	78.	No Conta	Sample Matrix		Lab Number	Sample Time	Sample Date	Sample No./ Identification
				2/	. of		o 4034-10	ho		1	Mikon Us
Remarks)		í	ape No.	Chain of Custody Tape No.			Sampler: (Signature)
	ANALYSIS/PARAMETERS	ANALYSIS			 -	7 148 - 20	C LIBO	Jiahling compact		Anoco	OLAGE / AM
					_	BLOW PIT	800	Project Location			Client/Project Name

CHAIN OF CLICTORY DECORD

		-Ω	CH IO	ENVIROTECH INC. 57% U.S. Highway 64-3014				
		Signature)	Received by: (Signature)					Relinquished by: (Signature)
		Signature)	Received by: (Signature)				0	Helinquished by: (Signature)
5.16.9) 1437	20	Signature	Received (Signature)	5/18/98 / 437	57		Vile	Helinquished by (Signature)
c + intract bed	TED COOL	Merce)	SAMPLE 1	7/2/2				
		S						
THEN RUN BAX								
1= TPH < 5000 ppm	\	<	7	7105	D279	0930	5/18/98 0930	(y) @ 15'
PRSERV COOL	87E (80	T1 (80)	No. Conta	Sample Matrix	Lab Number	Sample Time	Sample Date	Sample No./ Identification
Remarks	×()) 15)	of iners	ō	G 4034-10		D	Mon U
מייטר מיטער מייטער בייטער			20	CONTRACT 148-20	TICARILLA CO		Moco	0
VSIS/DABAMETEDS	ANA		1	SEPRICATION PIT	Project Location		>	
	Ē		I OUT T	CHAIN OF CUSTOUT RECOR	<u>c</u>			

(505) 632-0615

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 **DULCE, NEW MEXICO 87528**

SUBMIT 1 COPY TO NATURAL RESOURCE DEPI AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: AMOCO PRODUCTION	COMPANY	Telephone: (505) 326-9200
Address: 200 Amoco Court,		NM 87401
Facility or Well Name: SICARILLA	CONTRACT	148.20
Location: Unit or Qtr/Qtr Sec	Sec <u>23</u> T <u>2:</u>	SN RSW County RIO ARRIBA
Land Type: RANGE		
Date Remediation Started: 1.27		Date Completed: 1 13 99 Approx. cubic yards 500
Remediation Method: Landfarmed		Approx. case just
Composted		
Oiner		
pth To Groundwater:	(pts.)	Final Closure Sampling:
Distance to an Ephemeral Stream	(pts.) <u>o</u>	Sampling Date: 1.1199 Time: 0915
Distance to Nearest Lake, Playa, or Watering Pond	(pts.)	Sample Results: Field Headspace (ppm)
Wellhead Protection Area:	(pts.)	TPH (ppm) 1.9 Method 80.5
Distance To SurfaceWater:	(pts.)	Other
RANKING SCORE (TOTAL POIN	NTS): <u> </u>	
I HEREBY CERTIFY THAT THE INFO	ORMATION ABOVE	E IS TRUE AND COMPLETE TO THE BEST OF MY
DATE 1/13/99	PRINTED N	NAME Buddy D. Shaw AND TITLE Environmental Coordinator
SIGNATURE Dudily 1.	haw	AND TITLE TO A COURT IN
HACCORDANCE TO THE HUMBER	1111011-	IATION, ON-SITE REMEDIATION IS APPROVED IN T CLOSURE ORDINANCE.
APPROVED: YES NO	(REASON)	
SIGNED: ZEE 711	DATE	3-31-99

AMOCO

BLAGG ENGINEERING, INC.

CLIENT: AMOCO	P.O. BOX 87, BLOC (505) 6		3 C.D.C. NO: 6544
FIELD REPORT:	LANDFARM/COMP		RE VERIFICATION
LOCATION: NAME SICARILLA		PITS: BLOW	DATE STARTED: 1.11.99 DATE FINISHED: 1.13.99
	LE/4 CONTRACTOR: F		ENVIRONMENTAL REP
SOIL REMEDIATION:	e/- continuoron		
	TEM: LANDFARM	APPROX. CUBIC	YARDAGE: 500
LAND USE:	RANGE	LIFT DEPTH (ft	1
FIFLD NOTES & REMAR	rks.		
DEPTH TO GROUNDWATER > //	NEAREST WATER SOURCE:	>1000' NEAREST SUR	FACE WATER: > /000
NMDCD RANKING SCORE:	NMOCD TPH CLOSURE STD	5000 PPM	
	GE TO LT. BROWN SAND. NON AINING, OR HI ODOR DETEC SPT COMPOSITE SAMPLE	TED SAMPLING VEI ING	T, 2008E NISE FROM
CLOSED		· CALCULATIONS	
SAMP. TIME SA		1 CALCULATIONS (g) ml. FREON DILUTION REA	ADING CALC. ppm
57,101			
SKETCH/SAMPL	E LOCATIONS		
1 N			
Ν,	153'-N83°E/	OVM RESULTS	LAB SAMPLES
*	//	1	MPLE ANALYSIS TIME RESULTS
LANDFA AREA	EM 2//	LF.1 0.0 LF.	1 (8015) 0915 1.9
1,5%	3//		
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, y		COALE	
		SCALE	
3-1	/	O FT	

TRAVEL NOTES: CALLOUT: N/A ONSITE: 1.11.99



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	01-13-99
Laboratory Number:	E494	Date Sampled:	01-11-99
Chain of Custody No:	65 44	Date Received:	01-12-99
Sample Matrix:	Soil	Date Extracted:	01-12-99
Preservative:	Cool	Date Analyzed:	01-13-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.3	0.2
Diesel Range (C10 - C28)	0.6	0.1
Total Petroleum Hydrocarbons	1.9	0.2

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:

Jicarilla Contract 148 - 20 Landfarm. 5 Pt. Composite.

Aberen K. (Leecen)

Stacy W Sendler

CHAIN OF CUSTODY RECORD

Te co	Cool - ice/Blue ice)615	(505) 632-0615				
ntact	Received Intact	way 64	5796 U.S. Highway 64				
Z NA							
Sample Receipt	Sai	HINC.	FOVIROTECH IO		65-41-6544	65-	ref coc's
		Received by: (Signature)	Receive			ire)	Relinquished by: (Signature)
		Received by: (Signature)				re)	Relinquished by: (Signature)
1.12.88 0750		Heceived by: (Signature)	1/2/99 0730 Hecely				Relinquished by: (Signature)
\dashv			1				
						;	
Cooc	0						
SAMRE PRESENTE	SAr						
SPT. COMPOSITE	SP	_	Soic	F494	0915	1.11.99	LF-1
			Sample Matrix	Lab Number	Sample Time	Sample Date	Sample No./ Identification
				01-48040			海
Remarks		rs		Client No.			Sampler:
			SICAPILLA CONTRACT 148-20	SI CAPILLA CO		000	BLAGIG/AMOCO
	AMETERS	ANALYSIS / PARAMETERS	ANDFARM	Project Location CANDFACH			Client / Project Name