# JICARILLA APACHE TRIBE Blow(F) - OK ENVIRONMENTAL PROTECTION OFFICE Blow TO OK NATURAL RESOURCE DEPT P.O. BOX 507

**DULCE, NEW MEXICO 87528** 



# PIT REMEDIATION AND CLOSURE REPORT (I) [] CON. DIV.

Operator: AMOCO PRODUCTION COMPANY	Telephone:	(505)326-9200
Address: 200 Amoco Court, Farmington,	NM 87401	
Facility or Well Name: JICARILLA GO	= A #/	
Location: Unit or Qtr/Qtr Sec_ Sec_ 3/ T	ZGN R Sω County RIO	ARRIBA
Pit Type: Separator Dehydrator Other_	BLOW (I)	
Land Type: RANGE		
(Attach diagram)	27', width 23',	depth/3 /
Reference: wellhead X		
Footage from reference:	45 Degrees East	North X
Direction from ference.	Degrees East of West	South
	<u> </u>	
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) ( 0 points)
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet Greater than 100 feet	(10 points) ( 0 points)
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet Greater than 100 feet	(10 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 No	(20 points) ( 0 points)
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) ( 0 points)/ o
	RANKING SCORE (TOTAL	POINTS): 30

81477 / BLOW PIT (I)

Date Remediation Started:	Date Completed:
Remediation Method: Excavation	Approx. cubic yards
`eck all appropriate	Insitu Bioremediation
Other	
Remediation Location:  (i.e. landfarmed onsite, name and location of offsite facility)  Onsite Offsite	
General Description of Remedial Action: Excavation	n
Groundwater Encountered: No X Yes	Depth
Final Pit: Sample location see Attached Closure Sampling: (if multiple samples,	Documents
	PIT BOTTOM)
11 11 .13	Sample time / 025
Sample Results	
Soil: Benzene (ppm)	Water: Benzene (ppb)
Total BTEX (ppm)	Toluene (ppb)
Field Headspace (ppm)	O.O Ethylbenzene (ppb)
TPH (ppm)	ND Total Xylenes (ppb)
Groundwater Sample: Yes No (	If yes, attach sample results)
I HEREBY CERTIFY THAT THE INFORMATION ABOVE KNOWLEGE AND BELIEF	E IS TRUE AND COMPLETE TO THE BEST OF MY
DATE /z/5/96 PRINTED NA	ME Buddy D. Shaw
SIGNATURE Buldy D. Show AND TITL	E Environmental Coordinator
AFTER REVIEW OF THE PIT CLOSURE INFORMATION TO THE JICARILLA APACHE TRIBE PIT CLOSURE OR	N, PIT CLOSURE IS APPROVED IN ACCORDANCE RDINANCE.
APPROVED: YES X NO (REASON)	
SIGNED: LOS Mand DATE: _	1-23-97

	MOCO_P.0	. BOX 87.	INGINEERING, BLOOMFIELD, 1 5) 632-1199	INC. NM 87413	LOCATION NO: <u>&amp;</u>	
FIELD	REPORT:	CLOSU	RE VERIFI	CATION		
QUAD/UNIT:	6 SEC: 3/ TW	P: 26N RNG:	#: A	PW I TO STINM	DATE STARTED: ///Z/ DATE FINISHED:  ENVIRONMENTAL SPECIALIST: //	
DISPOSAL FA	ACILITY:	0N-51TE	T. x _/3 FT. DI REMEDIAT E:	ION METHO	D: LANDFARME	٥
DEPTH TO GROUP	NDWATER: <50'	NEAREST WATER SI NMOCD TPH CLOSUR	APPROXIMATELY _ durce: _ <b>&gt;/000'</b> e std: _ <b>/00</b>	NEAREST SURFAC	V45 W FROM WE E WATER:  CHECK ONE:  PIT ABANDONED  STEEL TANK INSTAL  FIBERGLASS TANK II	LED
MOS FIN PI	THE DR. YELL M, NO APPART T BOTTOM C ISTERVED WIND	EXCRUATION.	FIFLD 413.1 C	ALCULATIONS		
SCALE	11/21 11	ME SAMPLE I.D. 55 25 SAPE 141	LAB No: WEIGHT (S	) mL. FREON D		.C. ppr
	T L PERIMETE	ER /w	OVM RESULTS	PIT	PROFILE	
		SAMF ID 1 @	PLE FIELD HEADSPACE PID (ppm)	A		
		3 <b>e</b> 4 <b>e</b>	4' z.7 4' 0.0 4' 53.8 3' 0.0	-	27	# 
22' A	(D) (T) (E) (T)	3 <b>e</b> 4 <b>e</b>	4' 0.0 4' 53.8 3' 0.0 8' 154.2	8 5 5 5	27'	+
1 1	(F) (F)	2 @ 3 @ 4 @ 5 @ 12   5 A @ 1	4' 0.0 4' 53.8 3' 0.0 8' /54.2 4 <sup>†</sup> 0.0	81		

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:

5A @ 14'

Project #:
Date Analyzed:

12-05-96

Project Location:

Jicarilla GC A1

Date Reported:

12-06-96

Laboratory Number:

TPH-1861

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.
4640	4400	5.31

<sup>\*</sup>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:

Blow Pit (1) - BJ477

Mehon Vel Analyst

Review

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

Field TPH-Worksheet

Max Characters:

**Project Location:** 

\*\*\*\*\*\*\*\*

Client:

**AMOCO** 

Sample ID:

5A @ 14' Jicarilla GC A1

Date Analyzed: 12-05-96 Date Reported: 12-06-96

Laboratory Number:

TPH-1861

Sample Matrix: Soil

Project #:

Sample Weight: Volume Freon:

5.00 grams 20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

5 mg/kg

**TPH Result:** 

20.0 mg/kg

Reported TPH Result: **Actual Detection Limit:** 

20 mg/kg 20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original		
TPH mg/kg		

Duplicate	
TPH mg/kg	

% Diff. \_\_\_\_

4640

4400

5.31

Comments:

Comments:

Blow Pit (I) - BJ477

87477

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

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,	NM 87401	
Facility or Well Name: TICARILLA E	C A #(	
Location: Unit or Qtr/Qtr Sec Sec 31	r ZEN R SW County RIO	ARIBA
Pit Type: Separator Dehydrator Other_	810W (II)	·
Land Type: RANGE	PACTOR C	
(Attach diagram)	zo¹, width 37¹ _, other	
	31 Degrees East	North <u>×</u>
	West of	
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) ( 0 points)
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet Greater than 100 feet	(10 points) ( 0 points)
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet Greater than 100 feet	(10 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 No	(20 points) O
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) ( 0 points)
	RANKING SCORE (TOTAL	<b>POINTS):</b> 30

BT477 (BLOW PIT (II)

			1-15/01
Date Remediation Started		Date Completed:	
	cavation	Approx. cubic yards	600
eck all appropriate Laions)  La	ndfarmed 🔀	Insitu Bioremediation	
Ot	her		
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)			
General Description of R	emedial Action: Excavation	n	
Groundwater Encountered	: No <u>×</u> Yes	_ Depth	
Final Pit: Sam Closure Sampling: (if multiple samples,	ple location <u>see Attached</u>	Documents	
	ple depth Z6' (P17 A	Parana	
Sam	ple date	Sample time //	730
Sam	ple Results		
	Soil: Benzene (ppm) _	Water: Benzene	(ppb)
	Total BTEX (ppm) _	Toluene	(ppb)
	Field Headspace (ppm)	2.0 Ethylbenz	ene (ppb)
	TPH (ppm)	Z8 Total Xyle	enes (ppb)
Groundwater Sample:	Yes NoX (	If yes, attach sample results)	
I HEREBY CERTIFY THA KNOWLEGE AND BELIE	AT THE INFORMATION ABOV	E IS TRUE AND COMPLETE	TO THE BEST OF MY
DATE /3	15/96 PRINTED NA	ME Buddy D. Shaw	
SIGNATURE Bully	D. Show AND TITL	E Environmental Co	oordinator
AFTER REVIEW OF THE TO THE JICARILLA APA	E PIT CLOSURE INFORMATION ACHE TRIBE PIT CLOSURE OF	N, PIT CLOSURE IS APPROV RDINANCE.	ED IN ACCORDANCE
APPROVED: YES X	NO (REASON)		
SIGNED: Kency	Name DATE:	1-23-97	

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.O.C. NO:
TILLD ILLI OILI. CHOROTEL LEITE	PAGE No:/ of/_  DATE STARTED://21/96
QUAD/UNIT: GEC: 31 TWP: 26A RNG: SW PM: NM CNTY: RA ST: NM OTR/FOOTAGE: SWIY NE (Y CONTRACTOR: PAS	DATE FINISHED: 12/5/96  ENVIRONMENTAL NV SPECIALIST:
EXCAVATION APPROX. 20 FT. x 37 FT. x 25 FT. DEEP. CUBIC DISPOSAL FACILITY: 02-577E REMEDIATION METHOLAND USE: LEASE: FOR	D: LANDFARMED
SOUL AND EXCAVATION DESCRIPTION:	FROM WELLHEAD.  E WATER:  CHECK ONE:  PIT ABANDONED  STEEL TANK INSTALLED  FIBERGLASS TANK INSTALLED
MUSTLY DK. YELL. BROWN SILTY SAND TO CLAY NOW. COHE SLIGHTLY MOIST TO SATURATED (PIT BOTTOM @ 26') FIRM TO ODOR IN 1ST PIT BOTTOM DVM SAMPLE @ ZI' ('MED. GRAY TO ODOR IN 1ST PIT BOTTOM DVM SAMPLE @ ZI' ('MED. GRAY TO APPRICATE HE ODOR IN ANY OF THE OTHER OUM SAMPLES APPRICATE HE ODOR TO APPRICATE PIT BOTTOM @ ZG' - DIC. YELL WAS OPEN PRIOR TO APPRICATE HE ODOR. TOMESTIVE, NO APPRICATE HE ODOR.  TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DI	BROWN SAND, NON -
SCALE  12/5  12/5  12/5  1320  5A 226' 74H - 1862  5  20  1	:1 7 28
PIT PERIMETER /N RESULTS  SAMPLE   FIELD HEADSPACE   PID (ppm)  1 @ 15'   5.72  20   15'   6.7  30'   15'   0.0  4 @ 16'   0.0  5 @ 21'   876  LAB SAMPLES  SAMPLE   ANALYSIS   TIME   1320  (6020) (7215)  ADDED  A	PROFILE  zo  A'  zo  zo  zo  zo  zo  zo  zo  zo  zo  z

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:

5A @ 26'

Project #:
Date Analyzed:

12-05-96

Project Location:

Jicarilla GC A1

Date Reported:

12-06-96

Laboratory Number:

TPH-1862

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:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
4640	4400	5.31

<sup>\*</sup>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:

Blow Pit (II) - BJ477

Mation Vel Analyst

Review /

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

Field TPH-Worksheet

Max Characters:

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Client:

**AMOCO** 

Sample ID:

5A @ 26'

TPH-1862

Jicarilla GC A1

Laboratory Number:

Project Location:

Project #:

Date Analyzed: Date Reported: 12-05-96 12-06-96

Sample Matrix: Soil

Sample Weight: Volume Freon:

5.00 grams 20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

7 mg/kg

**TPH Result:** Reported TPH Result: Actual Detection Limit: Reported Detection Limit: 28.0 mg/kg 28 mg/kg

20.0 mg/kg 20 mg/kg

QA/QC:

Original TPH mg/kg

Duplicate TPH mg/kg

% Diff. \_\_\_

4640

4400

5.31

Comments:

Comments:

Blow Pit (II) - BJ477

BJ477

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

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

### PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY	<b>Telephone:</b> (505)326-9200
Address: 200 Amoco Court, Farmington,	NM 87401
Facility or Well Name: TICARILLA 60	A # (
Location: Unit or Qtr/Qtr Sec Sec 31 T	26N RSW County RIO ARRIBA
Pit Type: Separator Dehydrator Other	Complessor
Land Type: RANGE	
(Attach diagram)  Reference: wellhead X  Footage from reference: 1	
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) 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)
	RANKING SCORE (TOTAL POINTS): 30

BJ477 / COMPRESSOR PIT

Date Remediation Sta	arted:	Date Completed:	11/20/96
Remediation Method:	Excavation	Approx. cubic yards	
Theck all appropriate ions)	Landfarmed X	Insitu Bioremediation	
	Other		
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)	: Onsite X Offsite		
General Description	of Remedial Action: Excavation	on	
Groundwater Encoun	tered: No X Yes	Depth	
Final Pit: Closure Sampling: (if multiple samples,	Sample location see Attached	l Documents	
attach sample results and diagram of sample	Sample depth		
locations and depths)	Sample date	Sample time /	245
	Sample Results		
	•	Water: Benzene	(ppb)
	Total BTEX (ppm)	Toluene	(ppb)
	Field Headspace (ppm)	0.0 Ethylben	zene (ppb)
	TPH (ppm)	44 Total Xy	lenes (ppb)
Groundwater Sample	: Yes NoX	(If yes, attach sample results)	
I HEREBY CERTIFY KNOWLEGE AND B	THAT THE INFORMATION ABOVELIEF	VE IS TRUE AND COMPLETI	E TO THE BEST OF MY
DATE	11/20/96 PRINTED N	AME Buddy D. Shaw	
signature Bul	ly D. Shaw AND TITE	LE Environmental C	coordinator
AFTER REVIEW OF TO THE JICARILLA	THE PIT CLOSURE INFORMATIO APACHE TRIBE PIT CLOSURE O	ON, PIT CLOSURE IS APPRO'RDINANCE.	VED IN ACCORDANCE
APPROVED: YES	X no (reason)		
SIGNED: Kau C	mam DATE:	1-23-97	

	CLIENT: <u>AMOCO</u>	P.O. BOX	GG ENGINE 87, BLOOM (505) 632	FIELD, N1 2-1199	M 87413	C.Q.C. N	10:
	FIELD REPOR	RT: CLC	SURE V	ERIFIC	ATION		
	OCATION: NAME: JCAN	ULA GC	WELL #: AL	PIT: Cor	MPR OD ST. NM	DATE STARTED: DATE FINISHED:	<u>///z/1/96</u>
	QUAD/UNIT: & SEC: 31			Prs	KN SIL T	ENVIRONMENTAL SPECIALIST:	NV_
	EXCAVATION APPROXZ	2 FT. x _31	( FT. x <u></u> )	REMEDIATIO	ON METHO	DD: LANDFAR	EMED
	LAND USE: KANGE		LEASE:		FO	RMATION:	PC
F	FIELD NOTES & REMAI DEPTH TO GROUNDWATER: <	RKS: PIT LO	CATED APPROX	MATELY /	53 FT	<u>556ω</u> FR01 CE WATER:	M WELLHEAD.
	NMOCD RANKING SCORE: 30	NEAREST W	CLOSURE STD:	100 PPM		CHECK D	
	SOIL AND EXCAVATI					STEEL TANK I FIBERGLASS T	1
	APPARENT HC O OBJECTED WIN			FID 4181 CAL	CULATIONS		
	SCALE		2 18' TPH-185		ZD	1:1 11	44
	0 FT PIT PERIM	ETER A	OVA RESUI		PIT	PROFIL	Æ
	1		SAMPLE FIELD	D HEADSPACE PID (ppm)	A		A'
			2 6 13'	0.0	F	22'	<b>-</b>
7	917 Compuess		40 14' 0	.0			$\bigcap$
3//	17	>				<i>سر</i>	/  F6'
	4000	A TOWELL HEAD					1
	STEEL 3	1		PLES			
	βίΤ	AUTOMOTION BOXES	SAMPLE ANALYS	15 (IME			
	TRAVEL NOTES: CALLOU	T: <u>/////96</u>		ONSITE:/	1/21/96		

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: Project Location:

5 @ 18'

Jicarilla GC A1

Laboratory Number:

TPH-1859

Project #:

Date Analyzed:

11-21-96 11-21-96

Date Reported: Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	44	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
4640	4400	5.31

<sup>\*</sup>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:

Compressor Pit - BJ477

Analvst

Review

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 @ 18'

Project Location: Laboratory Number: Jicarilla GC A1 TPH-1859

Project #:

Date Analyzed:

11-21-96 11-21-96

Date Reported: Sample Matrix:

Soil

Sample Weight:

Volume Freon:

Dilution Factor:

TPH Reading:

5.00 grams

20.00 mL

1 (unitless)

11 mg/kg

**TPH Result:** 

Reported TPH Result:

Actual Detection Limit: Reported Detection Limit: 44.0 mg/kg

44 mg/kg 20.0 mg/kg

20 mg/kg

QA/QC:

Original TPH mg/kg

Duplicate TPH mg/kg

% Diff.

4640

4400

5.31

Comments:

Comments:

Compressor Pit - BJ477

BJ477

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

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

# **ON-SITE SOIL REMEDIATION REPORT**

Operator: AMOCO PRODUCTION COMPANY	<b>Telephone</b> : (505) 326-9200
Address: 200 Amoco Court, Farmington,	NM 87401
Facility or Well Name: TICARILLA 6C	
Location: Unit or Qtr/Qtr Sec G Sec 31 T	ZEN RSW County KID ARRIBA
Land Type: RANGE	
Date Remediation Started: 11 21 96	Date Completed: 8/25/97
Remediation Method: Landfarmed	Approx. cubic yards
Composted	
Other	
pth To Groundwater: (pts.) 20	Final Closure Sampling:
Distance to an Ephemeral Stream (pts.)	Sampling Date: 8 19 97 Time: 1145
Distance to Nearest Lake, Playa, or Watering Pond (pts.)	Sample Results:
or Watering Pond (pts.) Wellhead Protection Area: (pts.)	Field Headspace (ppm) 37.7
Distance To SurfaceWater: (pts.) / O	TPH (ppm) 7.7 Method 8015
RANKING SCORE (TOTAL POINTS): 30	
I HEREBY CERTIFY THAT THE INFORMATION ABOV KNOWLEGE AND BELIEF	E IS TRUE AND COMPLETE TO THE BEST OF MY
DATE 8/25/97 PRINTED SIGNATURE Bully D. Shaw	NAME Buddy D. Shaw  AND TITLE Environmental Coordinator
AFTER REVIEW OF THE SOIL REMEDIATION INFORMACE TO THE JICARILLA APACHE TRIBE P	11 CLOSORE ORDINATIVEZ.
APPROVED: YES X NO (REASON)	
SIGNED: Leu C. Manull DAT	E: 9-2-97

Amoco BLAGG ENGINEERING, INC. CLIENT CONOCO LOCATION NO: 8J477 P.O. BOX 87, BLOOMFIELD, NM 87413 C.O.C. NO: 5387 (505) 632-1199FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION DATE STARTED: \_8/19/97 LOCATION: NAME: TICARILLA GC WELL #: A ( PITS: compr &w (2) DATE FINISHED: \_\_\_ QUAD/UNIT: 6 SEC: 31 TWP: 26N RNG: 5W PM: NM CNTY: RA ST: NM ENVIRONMENTAL OTP/FOOTAGE: SW/4 NE/4 CONTRACTOR: P45 **SOIL REMEDIATION:** REMEDIATION SYSTEM: LANDFARMED APPROX. CUBIC YARDAGE: 1150 LIFT DEPTH (ft): /z"-18 4 LAND USE: <u>RANGE</u> FIELD NOTES & REMARKS: DEPTH TH GEBUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: < 1000' NMBCD PANELING SCURE: 30 NMBCD TPH CLOSURE STD: 100 PPM MOSTLY OR. YELL. BROWN SILTY SAND TO SILTY CLAY NON TO SLIGHTLY SAMPLE PTS. O DO SLIGHT HE ODOR OBSTEVED IN OWN SAMPLE.

5 PT. COMPOSITE COLLECTED FOR LAB ANALYSIS. CLOSED FIELD 418.1 CALCULATIONS SAMP. TIME SAMPLE I.D. LAB No: WEIGHT (g) ml. FREON DILUTION READING CALC. ppm SKETCH/SAMPLE LOCATIONS LAB SAMPLES OVM RESULTS SAMPLE ANALYSIS RESULTS LF-1 LF-1 32.Z 1145 75' SCALE BERM FT

TRAVEL NOTES: CALLOUT: NA

ONSITE: 8/19/97



## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

<b>-</b>			
Client:	Blagg / Amoco	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	08-20-97
Laboratory Number:	B886	Date Sampled:	08-19-97
Chain of Custody No:	5387	Date Received:	08-19-97
Sample Matrix:	Soil	Date Extracted:	08-19-97
Preservative:	Cool	Date Analyzed:	08-20-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	7.2	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	7.2	0.2

ND - Parameter not detected at the stated detection limit.

References:

Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, July 1992.

Comments:

Jicarilla GC A #1 Landfarms. 5 pt. Composite.

Analyst

Action W. Sander

Sample Sample Sample Lab Number Semple Date Time Semple Semple Semple Sample Sample Lab Number Malifix Semple Semp	pe No.	Amoco	Javion -		Decinal position	Project Location	) i ojeci Loceion						3		TROCK TO ALL SIL	TROUGH THE TANK THE TENT OF TH	ノグのこの一世であれる。							Chain of Costody Labe No.	}		)		フェン・ロー	of				-	Nontri	Non	Sample Sample Sample	Cample Cample Company	Lab Number	Time Time	Late Ime Matrix	Marrix	- Indiana - Indi		•	ľ				/ S/3/97 //45 ROSE	7/7/1/10 00006																																																						Cate Time Received by (Signature)	Date ( ) The Colored ( ) Color	Card							0/66 116-		C   C   C   C   C   C   C   C   C   C	0/7/7//7/2																					The first of the second					<del>-</del>	-		
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