# JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 P.O. BUA 307 DULCE, NEW MEXICO 87528 O[[] PIT REMEDIATION AND CLOSURE REPORTED DIFT. 399 PIT REMEDIATION AND CLOSURE REPORTED DIFT. 399 PIT REMEDIATION AND CLOSURE REPORTED DIFT. 399

BJ6715 NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

	(505)326-9200
Operator: AMOCO PRODUCTION COMPANY	Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington, NM	87401
Facility or Well Name: JICARINA APPOCHE #	51-201
T C C C C T Z G T	O R 4W County Rio ARRIBA
Location: Unit or Qtr/Qtr Sec	Zow
Pit Type: Separator Dehydrator Other B	
Land Type: RANGE	
Pit Location: Pit dimensions: length 3c	o', width 36', depth /9'
	other
Footage from reference: 205	
Direction from reference: 90	Degrees East North
	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) Depoints (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)
, . TO	RANKING SCORE (TOTAL POINTS):

				BLOW	
Date Remediation Star	ted:	Date	e Completed	1:10[-	22/98
	Excavation $\checkmark$	Appro		rds	
Check all appropriate sections)	Landfarmed ×	Insitu	Bioremedia	tion	
	Other			(1 0 01	4)
Remediation Location:	Onsite Confisite	X JICA AP	102-2	(6-9-26	-7)
(i.e. landfarmed onsite, name and location of		. Kosya	(00 c.y.)		
General Description of	Remedial Action: Exc	avation. BENA	ock Botto	<u> </u>	
Groundwater Encounte	ered: No 🔀	Yes De	pth		
Closure Sampling:	Sample location <u>see At</u>				
attach sample results	Sample depth	(EAST SIDEWA	och)		
and diagram of sample locations and depths)	Sample depth	98 910	Sample t	ime <u>095</u>	5
	Sample Results				
	•	(ppm)	Water:	Benzene	(ppb)
	Total BTEX	(ppm)		Toluene	(ppb)
		(ppm) <u>22.4</u>		Ethylbenzene	(ppb)
		(ppm) <u>NO</u>		Total Xylenes	(ppb)
Groundwater Sample:	Yes No _	★ (If yes,)	attach sampl	e results)	
I HEREBY CERTIFY KNOWLEGE AND BE	THAT THE INFORMATION	ON ABOVE IS TR	UE AND CO	OMPLETE TO	THE BEST OF MY
DATE	10/2/98 PR	INTED NAME	Buddy D.	Shaw	
SIGNATURE BUD.	ly D. Show 1	AND TITLE	Environm	ental Coord	
AFTER REVIEW OF TO THE JICARILLA	THE PIT CLOSURE INFO APACHE TRIBE PIT CLO	JOKES ORDINGS		•	IN ACCORDANC
APPROVED: YES	NO (REASON	Scrole	date	٠,	
Harayan J	c male	DATE: 5	-31-9	79	

•

CLIENT AMOCO BLAGG ENGINEERING, INC.	
P.O. BOX 87, BLOOMFIELD, NM 8741	.3 C.D.C. NO: 6326
(505) 632-1199	
FIELD REPORT: CLOSURE VERIFICATION	PAGE No: of
OCATION: NAME: TEARILLA APACHE 107 WELL #: 12 PIT: BLOW	h DATE STARTED: 10/18/9
QUAD/UNIT: G SEC: 9 TWP: 26N RNG: 4W PM: NM CNTY: RAST: NOTR/FDDTAGE: 5W/4 NE/4 CONTRACTOR: PAUL	SPECIALIST:
EXCAVATION APPROX 30 FT. x 36 FT. x 19 FT. DEEP. CUE	BIC YARDAGE: 600
DISPOSAL FACILITY: ON SITE TICA. AP. 102-2 REMEDIATION MET LAND USE: RANGE LEASE: FEDERAL LSE 102 I	FORMATION:
FIELD NOTES & REMARKS! PIT LOCATED APPROXIMATELY 205 FT.	N90°WFROM WELLHE
DEPTH TO GROUNDWATER: $\geq$ 100 NEAREST WATER SOURCE: $\geq$ 1005 NEAREST SUR	CHECK DNE
NMOCD PANKING SCORE: O NMOCD TPH CLOSURE STD: 5000 PPM	PIT ABANDONED STEEL TANK INSTALLED
SOIL AND EXCAVATION DESCRIPTION:	FIBERGLASS TANK INSTAL
UNCONSOUDERS CLAY, DARK XXI OF STORM GRAND STAND FROM GRAND SUPERIOR TO 15 oupth. Dry to moist, cohesing, Non conso	didated.
HIT Bobisek Room 15-19, Dry, CLAYSTONE, ALAD.	Codor on Satu
MINOR HC ODOR ON North, West & Bottom Samples. No H	
CR FUT CALPATA.	
BEDECK CLOSED	s
FIFLD 418.1 CALCULATION	S N DILUTION READING CALC. PI
BOTTOPO FIELD 418.1 CALCULATION FIELD 418.1 CALCULATION FREDU	S N DILUTION READING CALC. PI
SCALE  FIELD 418.1 CALCULATION  TIME SAMPLE I.D. LAB NO: WEIGHT (g) ml. FREOR	S N DILUTION READING CALC. PI
SCALE  O FT	N DILUTION READING CALC. PI
SCALE  TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREOM  SCALE  O FT	N DILUTION READING CALC. PI
TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREOM  SCALE  O FT  PIT PERIMETER  OVM  RESULTS  P	N DILUTION READING CALC. PI
TIME SAMPLE I.D. LAB NO: WEIGHT (g) mL. FREOM  SCALE  O FT  PIT PERIMETER  OVM  RESULTS  SAMPLE FIELD 418.1 CALCULATION  WEIGHT (g) mL. FREOM  PIT PERIMETER  OVM  RESULTS  SAMPLE FIELD HEADSPACE PID (ppm)	N DILUTION READING CALC. PI
TIME SAMPLE I.D. LAB NO: WEIGHT (g) ml. FREOM  SCALE  O FT  PIT PERIMETER  OVM  RESULTS  SAMPLE   FIELD   HEADSPACE   PID (ppm)   1 @ (5   1.7   2 @ 15'   22.4	N DILUTION READING CALC. PI
TIME SAMPLE I.D. LAB NO: WEIGHT (g) ml. FREOM  SCALE  O FT  PIT PERIMETER  OVM  RESULTS  SAMPLE   FIELD   HEADSPACE   PID (ppm)  1 @ 15   1.77  2 @ 15   22.41  3 @ 15   12.55   A   A   A   A   A   A   A   A   A	N DILUTION READING CALC. PI
TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREOM  SCALE  O FT  PIT PERIMETER  OVM  RESULTS  SAMPLE   FIELD   HEADSPACE   PID (ppm)    1 @ 15   12.5   22.4    3 @ 15   12.5   4 @ 15   2.2    4 @ 15   2.2   5   6   7   5.9	N DILUTION READING CALC. PI
TIME SAMPLE I.D. LAB NO: WEIGHT (g) ml. FREOM  SCALE  O FT  PIT PERIMETER  OVM  RESULTS  SAMPLE FIELD 418.1 CALCULATION  OVM  RESULTS  SAMPLE FIELD HEADSPACE PID (ppm)  1 @ 15	N DILUTION READING CALC. PI
TIME SAMPLE I.D. LAB NO: WEIGHT (g) ml. FREOM  SCALE  OFT  PIT PERIMETER  OVM  RESULTS  SAMPLE   FIELD   HEADSPACE   PID (pppm)   1 @ 15   1.7   2 @ 15   22.4   3 @ 15   22.4   4 @ 15   2.2   5 @ 17   5.9    A  B  B  B  C  A  B  C  A  B  C  A  B  C  A  B  C  A  B  C  A  B  C  A  B  C  A  B  C  A  B  C  A  B  C  A  B  C  A  B  C  A  B  C  A  B  C  A  B  C  A  B  C  C  C  C  C  C  C  C  C  C  C  C	N DILUTION READING CALC. PI
TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML FREDING SCALE  O FT  OVM  RESULTS  SAMPLE PELD HEADSPACE PID (ppm)  1 @ 15	IT PROFILE
TIME SAMPLE I.D. LAB NO: WEIGHT (9) ML. FREOM  SCALE  O FT  PIT PERIMETER  OVM  RESULTS  SAMPLE I.D. PID (ppm)  1 @ 15	IT PROFILE
TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREOM  SCALE  O FT  PIT PERIMETER  OVM  RESULTS  SAMPLE PID (ppm)  1 @ 15	IT PROFILE
FIELD 418.1 CALCULATION  TIME SAMPLE I.D. LAB NO: WEIGHT (9) ML. FREOM  SCALE  O FT  PIT PERIMETER  OVM  RESULTS  SAMPLE 1.D. LAB NO: WEIGHT (9) ML. FREOM  RESULTS  SAMPLE 1.D. LAB NO: WEIGHT (9) ML. FREOM  RESULTS  SAMPLE 1.D. LAB NO: WEIGHT (9) ML. FREOM  P  OVM  RESULTS  SAMPLE 1.D. LAB NO: WEIGHT (9) ML. FREOM  A OVM  RESULTS  SAMPLE 1.D. LAB NO: WEIGHT (9) ML. FREOM  P  OVM  RESULTS  SAMPLE 1.D. LAB NO: WEIGHT (9) ML. FREOM  P  OVM  RESULTS  SAMPLE 1.D. LAB NO: WEIGHT (9) ML. FREOM  P  OVM  RESULTS  SAMPLE 1.D. LAB NO: WEIGHT (9) ML. FREOM  P  OVM  RESULTS  SAMPLE 5.2.2  SAMPLE 5.2.2  SAMPLE 3.3.2  LAB SAMPLES  SAMPLE 3.3.2  LAB SAMPLE 3.	IT PROFILE
TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREOM  SCALE  O FT  PIT PERIMETER  OVM  RESULTS  SAMPLE PID (ppm)  1 @ 15	IT PROFILE



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

Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative: Condition:	Blagg / AMOCO Blow E @ 15' E089 6360 Soil Cool Cool and Intact	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested:	04034-10 10-22-98 10-21-98 10-22-98 10-22-98 10-22-98 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	0.2

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:

Jica. Apa. 102 - 12.

Analyst L. Officer

Stacy W Sendler

### क्षा

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
200 Amogo Court, Farmington, N	M 87401
Estitus or Wall Name: JICARILLA APACHI	E #102-12
Location: Unit or Qtr/Qtr Sec 6 Sec 9 TZe	SN R 4W County 270 MRX/8.7
Pit Type: Separator X Dehydrator Other	
Pit Location: Pit dimensions: length	36', width <u>Σ</u> 4', depth /5'
(Attach diagram)  Reference: wellhead X,	other
Footage from reference: 156	East North
Direction from reference:	Degrees East North of South X
Depth To Groundwater: (Vertical distance from contaminants to seasonal	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)
high water elevation of groundwater)  Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet (10 points) Coreater 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) One (10 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):

		BJOIL SEP. PIT
Date Remediation Sta Pemediation Method: Check all appropriate sections)	rted:  Excavation  Landfarmed	Date Completed: 10/22/98.  Approx. cubic yards
Remediation Locations (i.e. landfarmed onsite, name and location of offsite facility)  General Description of		eavation. BEDROCK BOTTOM.
Groundwater Encount	ered: No 🔀	Yes Depth
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)	Sample date	(WEST SIDEWALL)
1		(If yes, attach sample results)
NOWLEGE AND BE SIGNATURE SIGNATURE AFTER REVIEW OF TO THE JICARILLA	PR PR Pr Pr Pr Pr Pr Pr Pr Pr Pr Pr	ON ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY  INTED NAME Buddy D. Shaw  AND TITLE Environmental Coordinator  ORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE  OSURE ORDINANCE.
SIGNED:	-CMan U	DATE: 3-3/-79

CLIENT: AMOCO	P.O. BOX 87, BLO	NEERING, INC. OMFIELD, NM 8' 332-1199	7413 LOCATION NO	
	RT: CLOSURE		DATE STARTED: (	V13,
QUAD/UNIT: G SEC: 9 QTR/FQDTAGE: SW/4	TWP: 26 N RNG: 4W  NE/4 CONTRACTO	PM: NM CNTY: KA S R: PAUL	SPECIALIST:	11/
DICDOCAL EACHLITY:	66 FT. x <u>Z</u> 4/ FT. x ON 51T= LEASE: F	REMEDIATION	METHOD: LANDE	3c FAR,
TO MOTEO A DEMA	RKS: PIT LOCATED APP	DUNINATELY 156	FT. 535 WFROM	₩EL
NMOCD RANKING SCORE:	NMOCD TPH CLOSURE ST	: <u>5000</u> ррм		STALL
UNCONSSESSED CLAY I TO 14' DEPTH. DRY T	DARK YEUW ORANGE FROM MOIST, COHESIVE, NON EPT. BEDROCK FROM	OM GROUND SUFFAC CONSOLIATED. MINO	OR HC STAIN ON	w
SCALE 0 FT		FIELD 418.1 CALCULA 3 No: WEIGHT (g) mL.	FREON DILUTION READING	CAL
PIT PERIN	RES	OVM SULTS FIELD HEADSPACE PID (ppm)	A 24'	_(
3	2 @ 13' 3 @ 14' 4 @ 14' 5 @ 15'	1/3 104 351 48	14'	
A 36 3	a z z z z z z z z z z z z z z z z z z z	77.		
A 36 33	SAMPLE	SAMPLES ANALYSIS TIME PH/ETE x 1025 T PRISSED		B



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

Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative: Condition:	Blagg / AMOCO Separator W @ 14' E090 6360 Soil Cool Cool and Intact	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested:	04034-10 10-22-98 10-21-98 10-22-98 10-22-98 10-22-98 8015 TPH
--	---	---	--

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.2	0.2
Diesel Range (C10 - C28)	3.4	0.1
Total Petroleum Hydrocarbons	6.6	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:

Jica. Apa. 102 - 12.

Merch. Gener

Stacy W Sendler



### **EPA METHOD 8021** AROMATIC VOLATILE ORGANICS

Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene	; .1,	55.5 567 393 090 613	8.8 8.4 7.6 10.8 5.2	
Parameter	Conce (ug/l	ntration (g)	Det. Limit (ug/Kg)	
Client: Sample ID: Laboratory Number: Chain of Custody: Sample Matrix: Preservative: Condition:	Blagg / Amoco Separator W @ 14' E090 6360 Soil Cool Cool & Intact	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Date Extracted: Analysis Requested:		04034-10 10-22-98 10-21-98 10-22-98 10-22-98 10-22-98 BTEX

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:		Parameter	Percent Recovery
		Trifluorotoluene Bromofluorobenzene	101 % 101 %
References: Method 503 December	0B, Purge-and-Trap, Test Methods for Evaluat 1996.	ting Solid Waste, SW-846, USEPA,	
	Method 8021B, Aromatic Volatile Organics, Test Methods fo USEPA, December 1996.		for Evaluating Solid Waste, SW-846,

Jica. Apa. 102 - 12. Comments:

# CHAIN OF CUSTODY RECORD

									_
	1	Cool - Ice/Blue Ice		V Mexico 8/401 32-0615	Farmington, New Mexico 8/401 (505) 632-0615				
	7	Received Intact		lighway 64	5796 U.S. Highway 64				
z	~					11 A	1360-	rap cox's	P P
	ceipt	Sample Receipt							
				Received by: (Signature)	Re			Relinquished by: (Signature)	Relinquis
				ceived by: (Signature)	Re			Relinguished by: (Signature)	Relinguis
0752	1022.98	10:	Gum	Albert E.	55 0752	Ø	g ,	Relinquished by: (Signature)	Relinquis
Time	ite	Date		Received by: (Signature)	Date Time Rev				
							K	Î	8
				~ × ×	7		( )	, tor	35
				×	Soi	E089	121AB 0955	10, MO	I BLOW
			8	Co	Sample Matrix	Lab Number	Sample Sample Date Time	Sample No./ S Identification	Sam
			DZI	No. of Intainers		04034-10		C- Slagg	Sampler:
	हि	Remarks		5	100-10	SICA. AA.	AMOCO	BLAGG/AM	BLA
		IETERS	ANALYSIS / PARAMETERS		102 - 17	Project Location		ect Name	Client / Project Name

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

SUBMIT 1 COPY TO

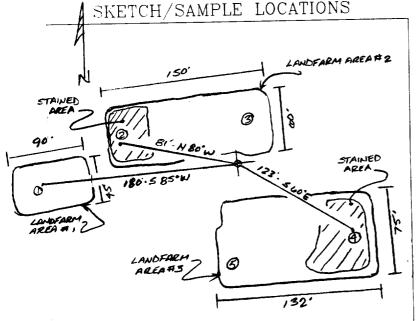
NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

## ON-SITE SOIL REMEDIATION REPORT

Operator: AMOCO PRODUCTION (	COMPANY	Telephone: (505) 326-9200
Address: 200 Amoco Court,		11
Facility or Well Name: 31CARILLA	APACHE 102.	12
Location: Unit or Qtr/Qtr Sec_ 5	Sec9 T26	CN R4W County RIO ARRIBA
Land Type:		
Date Remediation Started: 10 21	98	Date Completed:
Remediation Method: Landfarmed		Approx. cubic yards 800
Composted		
Other		
epth To Groundwater:	(pts.)	Final Closure Sampling:
Distance to an Ephemeral Stream	(pts.)	Sampling Date: <u>5.13.99</u> Time:
Distance to Nearest Lake, Playa, or Watering Pond	(pts.)	Sample Results:  Field Headspace (ppm) 34.8
Wellhead Protection Area:	(pts.)	TPH (ppm) 21.7 Method [Bors)
Distance To SurfaceWater:	(pts.)	Other
RANKING SCORE (TOTAL POIN	ITS): <u>0</u>	
I HEREBY CERTIFY THAT THE INFO KNOWLEGE AND BELIEF	DRMATION ABOVE	E IS TRUE AND COMPLETE TO THE BEST OF MY
DATE SIGNATURE BURNEY S. S	PRINTED 1	NAME Buddy D. Shaw AND TITLE Environmental Coordinator
THE STATE OF THE SOLUTION OF THE STATE OF TH	EDIATION INFORM	ATION, ON-SITE REMEDIATION IS APPROVED IN
ACCORDANCE TO THE JICARILLA	AFACILE HUBE II	.1 02000112 012
APPROVED: YES Z NO	(REASON)	
signed: La Man	DATE	E: 6-18-99

BLAGG ENGINEERING, INC. CLIENT: AMOCO LOCATION NO: 83671 P.O. BOX 87, BLOOMFIELD, NM 87413 C.O.C. NO: 6927 (505) 632-1199FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION DATE STARTED: 5.13.99 LOCATION: NAME: JICARILLA APACHE 102 WELL #: 12 PITS: SEP, BLOW DATE FINISHED: QUAD/UNIT: 9 SEC: 9 TWP: 20N RNG: AW PM: NM CNTY: RA ST: NM ENVIRONMENTAL SPECIALIST: DIP/FOOTAGE: SW/4 NE/4 CONTRACTOR: R-5 SOIL REMEDIATION: APPROX. CUBIC YARDAGE: - 806 REMEDIATION SYSTEM: LANDFARM LIFT DEPTH (ft): \_\_\_\_\_\_\_ LAND USE: \_\_\_ RANGE FIELD NOTES & REMARKS: DEPTH TO GROUNDWATER: >/00 - NEAREST WATER SOURCE: >/000 - NEAREST SURFACE WATER: >/000 -NMOCD RANKING SCORE: \_\_\_\_O NMOCD TPH CLOSURE STD: 5000 PPM DK. VELLOWISH BROWN SAND, NOW CONESIVE, SLIGHTLY MOIST, FIRM. LARGE AREA OF STAINING OBSERVED IN LANDFARMS 2+3. (SEE SHETCH BELOW) HC ODOR DETECTED IN SAMPLING PTS. O+O SAMPLING DEPTHS RANGE FROM 6"-10" COLLECTED A SPT COMPOSITE SAMPLE FOR LAB ANALYSIS. APPROX. 100 C.Y. DISPOSED TO JIG. AP. 102-Z FIELD 418.1 CALCULATIONS WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm SAMP. TIME SAMPLE I.D. LAB No: SKETCH/SAMPLE LOCATIONS



LAB	SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF.1	34.8	LF.1	(BO15)	1130	21.7
				-	

SCALE 0 FT

TRAVEL NOTES:

CALLOUT: \_ NA

ONSITE: 5 13 99



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

Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative: Condition:	Blagg / AMOCO LF - 1 F250 6927 Soil Cool	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested:	403410 05-17-99 05-13-99 05-14-99 05-17-99 05-17-99 8015 TPH
--	---	---	--

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.1	0.2
Diesel Range (C10 - C28)	19.6	0.1
Total Petroleum Hydrocarbons	21.7	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 Apache 102 - 12 Landfarm. 5 Pt. Composite.

Aben L. Gener

Review

# CHAIN OF CUSTODY RECORD

Client / Project Name	Project Location LANDFACH  APACHE	ANDFARM	ANALYSIS	ANALYSIS / PARAMETERS
BLAKEN/ AMOCO	JICARILLA CE	CONTRACT 102-12		Remarks
Sampler:	Client No.		ers	ngilialiw
	017807	0	io. of ntaine	
Sample No./ Sample Sample	Lab Number	Sample Matrix		
Month Carro	Taco	5011	_	SPT. COMPOSITE
7.7. 1.6.6.5	900			
				SAMPLE PRESERVE
				2600
		<b>!</b>		Date Time
Relinquished by: (Signature)		5.4.99 7:25 /	Hecewealby: (signature)	76
Relinquished by: (Signature)		Hec	Heceived by: (Signature)	
Relinquished by: (Signature)		Rec	Received by: (Signature)	
				Sample Receipt
				Y N N/A
		5796 U.S. Highway 64	ghway 64	Received Intact
		Farmington, New Mexico o7401	2-0615	Cool - Ice/Blue Ice