## JICARILLA APACHE TRIBE SEP OK NATURAL RESOURCE DEPT



ENVIRONMENTAL PR P.O. BO DULCE, NEW N	X 507 MEXICO 87528	CELVED  16 1 8 1800
PIT REMEDIATION AN	D CLOSURE REPORT	
Operator: AMOCO PRODUCTION COMPANY	Telèphone: ( 50	05)326-9200
Address: 200 Amoco Court, Farmington, N	м 87401	
Facility or Well Name:	T # 147 - 4E	
Pit Type: Separator Dehydrator Other	suw	
Land Type:		
	Bast N	H.
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	50 feet to 99 feet (1) Greater than 100 feet (1)	O points) O points) O points)
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)	Greater than 100 feet (	10 points) 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)	No (	20 points) (0 points)
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	100 feet to 1000 feet	20 points) (10 points) 0 points)
n ·	RANKING SCORE (TOTAL P	OINTS):

	BJ608 BLOW PIT
Date Remediation Started:	Date Completed: 8 18 98
emediation Method: Excavation	Approx. cubic yards40
Check all appropriate sections)  Landfarmed	Insitu Bioremediation
Other	
(i.e. landfarmed onsite, name and location of offsite facility)	
General Description of Remedial Action: Exca-	vation
Groundwater Encountered: No X	Yes Depth
Final Pit: Sample location see Att Closure Sampling: (if multiple samples,	ached Documents
attach sample results and diagram of sample locations and depths)  Sample date	Sample time 1000
Sample Results	
Soil: Benzene (p	ppm) Water: Benzene (ppb)
Total BTEX (	ppm) Toluene (ppb)
Field Headspace (	(ppm) O.O Ethylbenzene (ppb)
•	ppm) 36 Total Xylenes (ppb)
Groundwater Sample: Yes No	(If yes, attach sample results)
I HEREBY CERTIFY THAT THE INFORMATION KNOWLEGE AND BELIEF	N ABOVE IS TRUE AND COMPLETE TO THE BEST OF M
DATE 8/18/98 PRIN	NTED NAME Buddy D. Shaw
SIGNATURE Bully D. Show AM	ND TITLE Environmental Coordinator
AFTER REVIEW OF THE PIT CLOSURE INFORTO THE JICARILLA APACHE TRIBE PIT CLOS	RMATION, PIT CLOSURE IS APPROVED IN ACCORDANC
APPROVED: YES X NO (REASON)	
I SIGNED: LOT Mall	DATE: 9-9-98

3003922177 \_\_\_\_ LOCATION NO: 87608 BLAGG ENGINEERING, INC. CLIENT: AMOCO P.O. BOX 87, BLOOMFIELD, NM 87413 C.D.C. ND: \_\_\_\_ (505) 632-1199 FIELD REPORT: CLOSURE VERIFICATION PAGE No: // of // DATE STARTED: 8/18/98 LOCATION: NAME: TICH- CONTR. 147 WELL #: 45 PIT: BLOW DATE FINISHED: QUAD/UNIT: E SEC: 5 TWP: 25N RNG: 5W PM: NM CNTY: 2A ST: NM ENVIRONMENTAL QTR/FOOTAGE: 1650 FNL 1120 FNL CONTRACTOR: PLS SPECIALIST: CUBIC YARDAGE: 40 EXCAVATION APPROX. 17 FT. x 15 FT. x 9 FT. DEEP. REMEDIATION METHOD: LANDFARM DISPOSAL FACILITY: 00-517E FORMATION: LAND USE: RANGE FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 190 FT. 523€ FROM WELLHEAD. DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >100 NEAREST SURFACE VATER: CHECK DNE : NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM Y PIT ABANDONED SOIL AND EXCAVATION DESCRIPTION: \_ STEEL TANK INSTALLED \_ FIBERGLASS TANK INSTALLED OK. YELL. DROWGE JAND, NOW COHESIVE SLIGHTLY MOIST FIRM NO APPARENT STAINING OR HE OPOR OBSERVED/DETECTED W/IN EXCOLATION, NO APPARENT HE ODOR IN ANY OF THE OWN SAMPLES. FIELD 418.1 CALCULATIONS SAMPLE I.D. LAB No: WEIGHT (g) ML. FREON DILUTION READING CALC. ppm TIME 36 (3) @11' TPH - 2014 0830 SCALE PIT PROFILE PIT PERIMETER N OVM A RESULTS FIELD HEADSPACE PID (ppm)

LAB SAMPLES

TRAVEL NOTES: CALLOUT: 8/13/98 - AFTER. ONSITE: 8/18/98 - MORN.

### 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 @ 11'

Date Analyzed:

08-18-98

Project Location:

Jicarilla Contract # 147 - 4E

Date Reported:

08-18-98

Laboratory Number:

TPH-2014

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg – – – – –
Total Recoverable Petroleum Hydrocarbons	36	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
228	244	6.78

<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 - BJ608

Mekon Velg Analyst

Review

### 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** 

Project #:

Sample ID:

5 @ 11'

Date Analyzed:

08-18-98

Project Location: Laboratory Number: Jicarilla Contract # 147 - 4E TPH-2014 Date Reported:

08-18-98

Sample Matrix:

Soil

Sample Weight: Volume Freon:

5.00 grams 20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

9 mg/kg

TPH Result:

36.0 mg/kg

Reported TPH Result: Actual Detection Limit: 36 mg/kg 20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original TPH mg/kg

Duplicate TPH mg/kg % Diff.

228

244

6.78

Comments:

Comments:

Blow Pit - BJ608

87608

### 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

	/E05\326_9200
Operator: AMOCO PRODUCTION COMPANY	Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington, N	IM 87401
Basility on Wall Name: JICARIZZA CON	TLACT # 147 - 4E
Location: Unit or Qtr/Qtr Sec ⊆ Sec 5 T <sup>2</sup>	52 R5W County KIO ARRIST
Pit Type: Separator X Dehydrator Other	
Land Type:	
1	しる', width こつ', depth
Reference: wellhead X	other
Footage from reference: \	0
Direction from reference:	Degrees East North
	West South X
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) One (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)
9 ·	RANKING SCORE (TOTAL POINTS):

		BT 60	SEP. PIT
Date Remediation Start	ted:	Date Comp	pleted:8/19/98
	Excavation	Approx. cubi	c yards
Check all appropriate	Landfarmed ×		mediation
sections)			
Remediation Location: (i.e. landfarmed onsite, name and location of			
offsite facility)  General Description of	Remedial Action: Exc	eavation. BEDR = )	? Bottom.
Groundwater Encounte	red: No _X	Yes Depth	
Closure Sampling:	Sample location see At		
attach sample results and diagram of sample	Sample depth	(WEST SIDEWALL	
locations and depths)	Sample date	18 Sam	ple time1130
	Sample Results		
3	•	(ppm) <u>~~</u> Wa	ater: Benzene (ppb)
	Soil: Benzene	(ppm) 13.030	Toluene (ppb)
		(ppm) /, 087	Ethylbenzene (ppb)
		(ppm) 58.5	Total Xylenes (ppb)
	ТРН	(ppm) <u>30.3</u>	Total 12 june (FI )
1	Yes No		
KNOWLEGE AND BE	LIEF		D COMPLETE TO THE BEST OF MY
DATE8	3/19/98 PR	INTED NAME Buddy	D. Shaw
SIGNATURE BURS	3/19/98 PR	AND TITLE Envir	onmental Coordinator
APPED DEVIEW OF	THE PIT CLOSURE INFO APACHE TRIBE PIT CLO	RMATION, PIT CLOSU	RE IS APPROVED IN ACCORDANCE
APPROVED: YES	NO (REASON	J)	· ·
SIGNED: Kee	C Mand	DATE: <u>9-9-98</u>	,

$\Delta M \cap C \cap M \wedge M$	BLAGG ENGINEERI	NG, INC.	LOCATION NO: BIGOS
CLIENT: <u>AMOCO</u>	P.O. BOX 87, BLOOMFIEI (505) 632-1	LD, NM 87413	C.O.C. NO: <u>6046</u>
FIELD REPO	RT: CLOSURE VER	RIFICATION	PAGE No:/_ of/_
OCATION: NAME: J. A.	CONTR. HT WELL #: 4E P	<u>π: 5ερ</u>	DATE STARTED: 8898  DATE FINISHED:
QUAD/UNIT: E SEC:	TWP: ZSN RNG: SW PM: NT WILL CONTRACTOR: P	ts	ENVIRONMENTAL SPECIALIST:
EVEAUATION APPROY	28 FT x 27 FT x _/9_	FT. DEEP. CUBIC	YARDAGE: 400
DIGDOGLI DAGILITY.	ON -CITE REM	EDIATION METHO	D: LANDFMERC
LAND USE:	E LEASE: JIE	1 <del>7</del> 1 FO	RMATION: DR
TELD NOTES & REM.	ARKS: PIT LOCATED APPROXIMATI	ELY <u>/70</u> FT	SISE FROM WELLHEAD
DEPTH TO GROUNDWATER: >	NEAREST WATER SOURCE:	NEAREST SURFAI	CHECK ONE
NMOCD RANKING SCURE:	NADOD ITTI CEBSONE DID	-   <del>``</del>	PIT ABANDONED STEEL TANK INSTALLED
SOIL AND EXCAVAT			FIBERGLASS TANK INSTALLE
SIDEWALLS - DK. TEL	L. DRAHGE TO OLIVE ERAY SALLY PRANTED TO STIPPING OBSERVES.  SIDEWALL OVER TAMPLES.	ای مراز در مر	MY NON WHESTUE TO
SLI <del>CH</del> T	LY PLASTIC SUIGHTLY MOIST TO APPROXIMATE STRIMING OBSERVED	STERNE U	ATT FIRM TO STIFF
WEST	SIDEWALL OUT TAMPLES.	J TROJE HE	ODOR IN
Restorn - REDI	DEL (TANDSTONE) MED GRAY	IN COLOR, VERY	HARD, STRONG HE
Botom - BEDI	DEK (TANDSTONE) MED. GROY	IN COLOR, WERY	HORD, STRONG HE
BEDROCK CLOS	ED	4181 CALCULATIONS	
600	ED	4181 CALCULATIONS	
BEDROCK CLOS	ED	4181 CALCULATIONS	
BEDROCK CLOS BOTTOM  SCALE	ED	4181 CALCULATIONS	
BEDROCK CLOS  BEDROCK  BEDROCK	TIME SAMPLE I.D. LAB NO: WE	4181 CALCULATIONS	DILUTION READING CALC. ppm
BEDROCK CLOS  BEDROCK  BEDROCK	TIME SAMPLE I.D. LAB NO: WE  METER N  OVM	418.1 CALCULATIONS CIGHT (g) mL. FREON	DILUTION READING CALC. ppm
BEDROCK CLOS  BEDROCK  BOTTOM  SCALE  O FT  PIT PERI	TIME SAMPLE I.D. LAB NO: WE  METER N  OVM  RESULTS	418.1 CALCULATIONS CIGHT (g) ML. FREON   PIT	DILUTION READING CALC. ppm
BEDROCK CLOS  BEDROCK  BEDROCK	TIME SAMPLE I.D. LAB NO: WE  METER N  OVM RESULTS	418.1 CALCULATIONS CIGHT (g) ML. FREON   PIT	PROFILE
BEDROCK CLOS  BEDROCK  BOTTOM  SCALE  O FT  PIT PERI	TIME SAMPLE I.D. LAB NO: WE  TIME SAMPLE I.D. LAB NO: WE  OVM  RESULTS  SAMPLE FIELD HEADS  10 PIO (Apple 1)  1	418.1 CALCULATIONS FIGHT (g) ML. FREON  PIT  A	PROFILE
BEDROCK COS BEDROCK BOTTOM  SCALE  O FT  PIT PERI  SEP	FIELD  TIME SAMPLE I.D. LAB NO: WE  METER N  OVM  RESULTS  SAMPLE FIELD HEADS 10 PID (open 1 2 14 2 884 2 14 0.0 4 2 13 1,087	A PACE	PROFILE
BEDROCK CLOS  BEDROCK  BOTTOM  SCALE  O FT  PIT PERI	FIELD  TIME SAMPLE I.D. LAB NO: WE  METER  OVM  RESULTS  SAMPLE FIELD HEADSI PID (ppm  1 @ 14' 884'  2 @ 14' 0.0  3 @ 14' 0.0  3 @ 14' 0.0	A PACE	PROFILE
BEDROCK COS BEDROCK BOTTOM  SCALE  O FT  PIT PERI  SEP	FIELD  TIME SAMPLE I.D. LAB NO: WE  METER N  OVM  RESULTS  SAMPLE FIELD HEADS 10 PID (open 1 2 14 2 884 2 14 0.0 4 2 13 1,087	APACE	PROFILE
BEDROCK CLOS  BEDROCK  BOTTOM  SCALE  O FT  PIT PERI  SEP  3	FIELD  TIME SAMPLE I.D. LAB NO: WE  METER N  OVM  RESULTS  SAMPLE FIELD HEADS 10 PID (open 1 2 14 2 884 2 14 0.0 4 2 13 1,087	APACE	PROFILE  A
BEDROCK COS BEDROCK BOTTOM  SCALE  O FT  PIT PERI  SEP	FIELD  TIME SAMPLE I.D. LAB NO: WE  METER  OVM  RESULTS  SAMPLE FIELD HEADSI PID (ppm  1 2 14' 884' 2 2 14' 0.0 3 2 14' 0.0 4 2 13' 1,087 5 2 19' 1,003	A PACE	PROFILE  A
BEDROCK CLOS  BEDROCK  BOTTOM  SCALE  O FT  PIT PERI  SEP  3	FIELD  TIME SAMPLE I.D. LAB NO: WE  METER  OVM  RESULTS  SAMPLE FIELD HEADSI PID (ppm  1 @ 14'	A PACE	PROFILE  A
BEDROCK CLOS  BEDROCK  BOTTOM  SCALE  O FT  PIT PERI  SEP  3	FIELD  TIME SAMPLE I.D. LAB NO: WE  METER  OVM  RESULTS  SAMPLE FIELD HEADSI PID (ppm  1 @ 14'	ALCULATIONS PACE TIME	PROFILE  A
BEDROCK CLOS  BEDROCK  BOTTOM  SCALE  O FT  PIT PERI  SEP  3	FIELD  TIME SAMPLE I.D. LAB NO: WE  OVM  RESULTS  SAMPLE FIELD HEADS  SAMPLE FIELD HEADS  1 2 4 4 884  2 2 14 1 0.0  4 2 13 1,087  5 2 19 1 1,003	ALCULATIONS PACE TIME	PROFILE  A



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

Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative:	Blagg / AMOCO 4 @ 13' D815 6046 Soil Cool	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed:	04034-10 08-19-98 08-18-98 08-18-98 08-19-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	oncentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	38.5	0.2
Diesel Range (C10 - C28)	20.0	0.1
Total Petroleum Hydrocarbons	58.5	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 #147 - 4E Separator Pit.

Alexandre Quesa

Review Lande



### EPA METHOD 8021 IC VOLATILE ORGANICS

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	4 @ 13'	Date Reported:	08-19-98
Laboratory Number:	D815	Date Sampled:	08-18-98
Chain of Custody:	6046	Date Received:	08-18-98
Sample Matrix:	Soil	Date Analyzed:	08-19-98
Preservative:	Cool	Date Extracted:	08-19-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
_	ND	17.5
Benzene	ND 1,520	16.7
Toluene	540	15.2
Ethylbenzene p,m-Xylene	8,850	21.6
o-Xylene	2,120	10.4
Total BTEX	13,030	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	95 %
	Bromofluorobenzene	95 %

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-846,

USEPA, December 1996.

Comments:

Jicarilla Contract #147 - 4E Separator Pit.

Alexan L. Gjewen

Review /

# CHAIN OF CUSTODY RECORD

1	Cool - Ice/Blue Ice	0615	Farmington, New Mexico 87401 (505) 632-0615				
7	Received Intact	hway 64	5796 U.S. Highway 64	I			
Y N N/A							<u>}</u> }
ceipt	Sample Receipt	CHINC	FOVIDOTECH IN		Sh 09-5409		P.D. COC'S
_		Received by: (Signature)	Recei			signature)	Relinquished by: (Signature)
		Received by: (Signature)			7	Signature) (	Relinquished by: (Signature)
te Time . 98 /443	P./f. ዓዮ	Received by: (Signature)	Date Time Receip	80	~	)jgnature)	Relinquished by: (Signature)
-							
70001	PRESERV.	\ \ \ \	2012	2180_5	18 730	8/18/18	(9) C/3'
	7	Con	Sample Matrix	Lab Number	1 (0	Sample Date	Sample No./
EINS .	Hemans	o. of tainers		Client No.		NTN	Sampler:
•			JIGARIUA CONTROT #147-4E	JICARILLA CON		GLAGG / Amoco	BLA66
	METERS	ANALYSIS / PARAMETERS	PARTUR PIT	Project Location SEPARTUR PIT		1e /	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, Farmington,	NM 87401
Facility or Well Name: CARILLA CONTRACT	147 4E
Location: Unit or Qtr/Qtr Sec & Sec 5 T	•
Land Type: RANGE	
Date Remediation Started: 8 18 99	
Remediation Method: Landfarmed	Approx. cubic yards 440
Composted	
Other	
pth To Groundwater: (pts.)o	Final Closure Sampling:
Distance to an Ephemeral Stream (pts.)	Sampling Date: 4 7.99 Time: 1100
Distance to Nearest Lake, Playa, or Watering Pond (pts.)	Sample Results:
Wellhead Protection Area: (pts.)	Field Headspace (ppm) 4.3  TPH (ppm) 9.4 Method 8015
Distance To SurfaceWater: (pts.)	Other
RANKING SCORE (TOTAL POINTS):O	
I HEREBY CERTIFY THAT THE INFORMATION ABOVENOWLEGE AND BELIEF	
DATE 4/9/99 PRINTED	NAME Buddy D. Shaw AND TITLE Environmental Coordinator
SIGNATURE Buddy S. Shaw	AND TITLE Environmental Coordinator
AFIER REVIEW OF THE SOIL REMEDIATION INFOR ACCORDANCE TO THE JICARILLA APACHE TRIBE I	
APPROVED: YES NO (REASON)	
SIGNED: DAT	E:

CLIENT: AN	мосо	P.O. B0	(5)	BLOO 05) 63	MFIELD 32-119	), N 99	M 874	413		NO: 4	COBBU_
FIELD F	REPORT:	LAND	FARM/	СОМРО	ST PI	LE	CLOS	URE	VERIF	CAT:	ION
LOCATION: <u>NA</u>	ME: TUARU	A CONTRACT	147 WELL	#: 4E	PITS	SEF	Bion	NM	DATE STARTE	D: <u>4</u> ID:	7.99
OTR/FOOTA	GE: SW/4	NW/4	CONTRA	CTOR: F	45				NVIRONMENT SPECIALIST:	KE	<u> </u>
SOIL REMED	IATION: IATION SY	STEM: LA	NOFARM		A	PPRO	OX. CUI DEPTH	BIC YA	ARDAGE:	440	
FIELD NOTE		NDVC.		SOURCE: .						. 1000	·
NMDCD RANKING	SCORE:	NMOCI	TPH CLOS	URE STDI	<u>5000</u> PF HTLY MOI FTECTED.	om st, f sam	IRM, IPLING				
DEPTHS R	ANALYSI	and 6" -18".	TOOK A	5PT. COP	Pashe	•,					
	SAMP. TIME	SAMPLE I.D.	FI LAB No:	ELD 418.1 WEIGHT	CALCULA (g) mL. FI	REON	DILUTION	READIN	G CALC. PF	om	
SKET	CH/SAMI	PLE LOCA	ATIONS								
					OVM	RES	ULTS		LAB SA	.MPLl	ES
	7/	120.		     	SAMPLE ID	FIELD	HEADSPACE ID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
	/ /0-				LF-1	4	1.3	LF-1	(8015)	1100	9.4
48/		12									
1 1	0	8 R. L									
			_ /								

SCALE 0

FT

TRAVEL NOTES: CALLOUT: NA ONSITE: 4.7.99



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

Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested:	403410 04-09-99 04-07-99 04-08-99 04-09-99 8015 TPH
	Date Sampled: Date Received: Date Extracted: Date Analyzed:

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.2	0.2
Diesel Range (C10 - C28)	6.2	0.1
Total Petroleum Hydrocarbons	9.4	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 147 - 4E Landfarm.

5 Pt. Composite.

Analyst

Stacy W Sendler

# CHAIN OF CUSTODY RECORD

Cool - Ice/Blue Ice		Farmington, New Mexico 87401				
Received Intact	Highway 64	5796 U.S. Highway 64				
Y NA						
Sample Receipt						
	Received by: (Signature)	Re			gnature)	Relinquished by: (Signature)
	scerved by: (Signature)	He			mature)	Relinquished by: (Signature)
9	Received by: (Signature)	# 9.40 Time Rec			nature)	Relinguished by: (Signature)
Date Time						
Coc						
SAMPLE PRESENT						
SPI. COHMOSIIC	7	5016	+86-2	1100	4.7.99 1100	1.37
		Sample Matrix	Lab Number	Sample Time	Sample Date	Sample No./ Identification
	No. of	4-10	04034-10			Sampler:
Remarks		SICABILLA CONTRACT 14746	SICAPILLA		4000	BLACICA/AMOCO
TERS	ANALYSIS / PARAMETERS	April 1	Project Location CAVALITY ET			Client / Project Name