JEPUTY OIL & CAS INCOMPENTAL PROTECTION OFFICE

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SUBMITICOPY TO

SUBMITICOPY TO

NATURAL RESOURCE DEPT

OCT 6 8 1898

P.O. BOX 507 **DULCE, NEW MEXICO 87528** Sep-OK AND OIL & GAS ADMINISTRATION

NATURAL RESOURCE DEPT

PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY	Telephone: (505)326-9200
Address: 200 Amoco Court, Farmington, NM 8	37401
Facility or Well Name:	T 148-187 ((44)
Location: Unit or Qtr/Qtr Sec E Sec 23 T25N	R 5W County RIO ARRIBA
Pit Type: Scparator Dehydrator Other_ BLOW	
Land Type: RANGE	
	, width_ ३०', depth_ ३०'
(Attach diagram) Reference: wellhead X, other	er
Footage from reference: \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \ \	
Direction from reference: 40	Degrees East North
	West South X
	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)
high water elevation of groundwater)	∭√c Less than 100 feet (10 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, action canals and ditches)	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
RA	NKING SCORE (TOTAL POINTS):

	BJ528 BLOW PIT
Date Remediation Sta	Date Completed: 1 78 98
P ediation Method:	Amerov cubic vards 1000
(k all appropriate secuous)	Landfarmed Insitu Bioremediation
	Other
	V 000 to
Remediation Location (i.e. landfarmed onsite, name and location of	: Offsite _/_ Offsite
ofssite facility)	
General Description	of Remedial Action: Excavation, SPRAYED PIT BOTTOM W
FERT	ILIZER.
Groundwater Encoun	tered: No X Yes Depth
<u>, , , , , , , , , , , , , , , , , , , </u>	
Final Pit:	Sample location see Attached Documents
Closure Sampling: (if multiple samples,	
attach sample results and diagram of sample	Sample depth 33 (PIT BOTTOT)
locations and depths)	Sample date 1/27/98 Sample time 1145
•	Sample Results
	Soil: Benzene (ppm) <u>ND</u> Water: Benzene (ppb)
	Total BTEX (ppm) 55.830 Toluene (ppb)
	Field Headspace (ppm) 1016 Ethylbenzene (ppb)
	TPH (ppm) (ppm) Total Xylenes (ppb)
Groundwater Sample	e: Yes No (If yes, attach sample results)
I HEREBY CERTIF KNOWLEGE AND I	Y THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY BELIEF
DATE	PRINTED NAME Buddy D. Shaw
SIGNATURE BUS	AND TITLEEnvironmental Coordinator
	F THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE
TO THE JICARILL	A APACHE TRIBE FIT CLOSORE ORDINATION
ADDAMED, VEC	X NO (REASON) Rusk Assessmit
APPROVED: 1ES_	
SIGNED: Lin	Man DATE: 2-6-98
01011201	

CLIENT: AMOCO P.O. BO	LAGG ENGINEERING, IN X 87, BLOOMFIELD, NN (505) 632-1199	IC. 1 87413 LOCATION NO: 87528 C.D.C. NO: 57/9
FIELD REPORT: C	LOSURE VERIFICA	ATION PAGE No: _/_ of _/
LOCATION: NAME: JICA. CONTR. 14	8 WELL #: 18 Y PIT: BLO	DATE STARTED: 1/27/98 DATE FINISHED:
QUAD/UNIT: E SEC: 23 TWP: 25	NRNG: SW PM: NM CNTY: A	ENVIRONMENTAL SPECIALIST:
EXCAVATION APPROX. 40 FT. x	30 FT x 30 FT. DEE	P. CUBIC YARDAGE: 1,000
DISPOSAL FACILITY: °N - S	REMEDIATION REMEDI	N METHOD: LANDFARTED FORMATION: GPORK
SIELD MOTEC & DEMARKS	LOCATED ADDROVIMATELY 10	FT 540 F FROM WELLHEAD
DEPTH TO GROUNDWATER: 2100' NEARES	T WATER SOURCE:NE	AREST SURFACE WATER: >1000 / CHECK DNE :
NMOCD RANKING SCORE: _ O NMOCD SOIL AND EXCAVATION DESCR	TPH CLBSURE STD: <u>5000</u> PPM	PIT ABANDONED STEEL TANK INSTALLED
		FIBERGLASS TANK INSTALLED
COHESIVE, SLIGHTLY MOIST EXCRYPTION, HC 000	SAND EXCEPT PIT BOTTOM -, FIRM NO APPARENT STA R APPALENT IN EXCANA	WHICH WAS LT. GRAY NON VINNE SESTRIED WIN TION, PIT BOTTOM OUM
SAMPLE CONTRINED	STRONG HC DOOR.	
RISK ASSESSED TIME	FIELD 418.1 CAL SAMPLE I.D. LAB NO: WEIGHT (9)	CULATIONS ml. FREON DILUTION READING CALC. ppm
SCALE		
O FT		PIT PROFILE
PIT PERIMETER	NVO OVM	A A
TANK PIT)	RESULTS SAMPLE FIELD HEADSPACE PID (ppm)	40
HEUD D	10 PID (ppm) 1 2 24' 0.0 2 2 43' 0.0	
	3 & 22' 0.0 4 & 25' 0.0	30'
A A,	30 5 6037 1016	
3		
	LAB SAMPLES	
40'	SAMPLE ANALYSIS TIME ID SPERRY 1145	
	(8015) (8021) 7PH - PAS 5 (D)	
	BTEX-FAILED	
TRAVEL NOTES: CALLOUT:	ONSITE: _//2	7/98

Well Name:
Well Site location:
Pit Type:
Producing Formation:
Pit Category:
Horizontal Distance to Surface Water:
Vicinity Groundwater Depth:

Jicarilla Contract 148 #18Y
Unit E, Sec. 23, T25N, R5W
Blow Pit
Chacra
Non Vulnerable
> 1000 ft.
> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe reached practical extent for abandoned pit (33 ft. below grade).

No past or future threat to surface water or groundwater is likely based on the following considerations:

- 1. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below presumed shallow sandstone bedrock (based on informal site observation of adjacent sandstone outcrop).
- 2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
- 3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.
- 4. Well site located within the <u>non-vulnerable area</u> and is approximately 0.08 miles west of the nearest vulnerable area boundary (West of Lapis Valley wash).

(Refer to <u>Lapis Point Quadrangle</u>, New Mexico - Rio Arriba County, 7.5 Minute Series (<u>Topographic</u>), 1963, (vulnerable area boundary developed by Mr. William C. Olson, <u>Hydrogeologist</u>, <u>Environmental Bureau</u>, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the subsurface vertical impact to groundwater is very unlikely. AMOCO requests pit closure approval on this location.



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

			0.400.4.40
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	5 @ 33'	Date Reported:	01-28-98
Laboratory Number:	C854	Date Sampled:	01-27-98
Chain of Custody No:	5719	Date Received:	01-27-98
Sample Matrix:	Soil	Date Extracted:	01-28-98
Preservative:	Cool	Date Analyzed:	01-28-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	688	0.2
Diesel Range (C10 - C28)	429	0.1
Total Petroleum Hydrocarbons	1,117	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 148-18Y Blow Pit.

Deeu L. Offeren

Stacy W Sendler



EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client: Sample ID: Laboratory Number: Chain of Custody: Sample Matrix: Preservative:	Blagg / AMOCO 5 @ 33' C854 5719 Soil Cool	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Date Extracted:	04034-10 01-28-98 01-27-98 01-27-98 01-28-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	726	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	30,730	10.8
o-Xylene	24,370	5.2
Total BTEX	55,830	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	97 %
	Bromofluorobenzene	97 %

References:

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

July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, Sept. 1994.

Comments:

Jicarilla Contract 148-18Y Blow Pit.

Analyst Li Cléver

Review Stacy W Sendler

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

BISZB

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: TICARIUA CONTRAC	T 148-184	
Location: Unit or Qtr/Qtr Sec Sec Sec Z 3 TZ5		
Pit Type: Separator Other		
Land Type: 【ADGE		
(A see oh diagram)	D', width_ ヱ('	
(Attach diagram) Reference: wellhead X, o		
Footage from reference: 132		
Direction from reference: 28	Degrees East of	North
	× West	
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) (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 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)
lı I	RANKING SCORE (TOTA	L POINTS):

BJ528 SEP. PIT

Date Remediation Sta		Date Completed:	
mediation Method:		approx. cubic yards	150
eck all appropriate sections)	Landfarmed X	nsitu Bioremediation	
	Other		
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)			
General Description	of Remedial Action: Excavation		
Groundwater Encoun	ntered: No 🔀 Yes	Depth	
Final Pit: Closure Sampling: (if multiple samples,	Sample locationsee Attached Doc		
attach sample results and diagram of sample	Sample depth 10' (NORTH 5.	DEWALL)	
locations and depths)	Sample date		1020
	Sample Results		
lı	Soil: Benzene (ppm)	Water: Benzen	e (ppb)
	Total BTEX (ppm)	Toluene	e (ppb)
	Field Headspace (ppm) 22.		'
	TPH (ppm) <u>28</u>	Total X	ylenes (ppb)
Groundwater Sample	e: Yes No (If yo	es, attach sample results	s)
I HEREBY CERTIFY KNOWLEGE AND E	Y THAT THE INFORMATION ABOVE IS BELIEF	TRUE AND COMPLET	TE TO THE BEST OF MY
DATE	5/18/98 PRINTED NAME	Buddy D. Shaw	
SIGNATURE BUS	Thy S. Show AND TITLE	Environmental	Coordinator
AFTER REVIEW OF	F THE PIT CLOSURE INFORMATION, P A APACHE TRIBE PIT CLOSURE ORDIN	IT CLOSURE IS APPRO NANCE.	OVED IN ACCORDANCE
APPROVED: YES_	NO (REASON)		
SIGNED: 4000	CMc DATE: 6	-15-98	

CLIENT: AMOCO P.O. BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.O.C. NO:
LOCATION: NAME: JICA, CONTR. 148 WELL #: 189 PIT: SEP	PAGE No: of DATE STARTED: DATE FINISHED: ENVIRONMENTAL SPECIALIST:
EXCAVATION APPROX. 20 FT. X 11 FT. X 15 FT. DEEP. CUBIC DISPOSAL FACILITY: 00-5176 REMEDIATION METHOD LAND USE: RAWE LEASE: J. 148 FOR FOR DEPTH TO GROUNDWATER: NEAREST WATER SOURCE: NOO NEAREST WATER SOURCE: NEAREST SURFACE NMOCD RANKING SCORE: NMOCD TPH CLOSURE STD: 5000 PPM	MATION: GP/DK SZ8W FROM WELLHEAD. WATER: > 1000 CHECK ONE: PIT ABANDONED STEEL TANK INSTALLED
SOIL MOSTLY PALE ORDNOW TO MOD. YELL, BROWN SAND, SLIGHTLY MOIST, FIRM, SMALL QUANTITY OF STAINING OBS H EAST SIDEWALLS (APPROX. 2' DIAMETER LOCATED APPROX GRADE NO APPARENT HC DOOR OBSERVED WIN EXCAU DOOR OBSERVED IN NURTH SIDEWALL OUM SAMPLE	IZ'-W' BELOW
SCALE OFT PIT PERIMETER FIELD 418.1 CALCULATIONS FIELD 418.1 CALCULATIONS WEIGHT (g) ml. FREON DI TIME SAMPLE I.D. LAB No: WEIGHT (g) ml. FREON DI TOPIC PERIMETER OVM A	PROFILE,
RESULTS SAMPLE FIELD HEADSPACE PID (ppm) 1 @ 10 72.5 2 @ q' 0.0 3 @ q' 0.0 4 @ 10' 0.0 5 @ 17' 0.0	ZI
TRAVEL NOTES: CALLOUT: 5/14/98 - AFTER. ONSITE: 5/18/98 -	norn.

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:

1 @ 10'

Date Analyzed:

05-18-98

Project Location:

Jicarilla Contract 148 - 18Y

Date Reported:

05-18-98

Laboratory Number:

TPH-1979

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.

 --- --- 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:

Separator Pit - BJ528

Malyst Analyst

A.C. Clayg 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

Project #:

Sample ID:

1 @ 10'

Date Analyzed:

05-18-98

Project Location:

Jicarilla Contract 148 - 18Y

05 - 18 - 98Date Reported: Soil

Laboratory Number:

TPH-1979

Sample Matrix:

Sample Weight:

5.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

7 mg/kg

TPH Result:

28.0 mg/kg

Reported TPH Result:

28 mg/kg

Actual Detection Limit:

20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original TPH mg/kg

Duplicate TPH mg/kg

% Diff.

1684

1712

1.65

Comments:

Comments:

Separator Pit - BJ528

CHAIN OF CUSTODY RECORD

				26 C	ECH IO way 64-301 Mexico 87	ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401				
				(Signature)	Received by: (Signature)				ure)	Relinquished by: (Signature)
				(Signature)	Received by: (Signature)				ıre) (/	Relinquished by: (Signature)
Date Time) June	0	oby: (Signature)	Received by: (Signature)	Date Time F	/		Mon UL	Relinquished by: (Signature)
an.	- + MOTRET	to cox	KECENED	SAMPLE.	5%					
			b							
										
THEN RIN STEX	THEN									
15 1PH < 5000 PM	1F TA									
N cool	hear.		<u> </u>	<	/	5012	4587	1145	1/27/98/145	(5) @ 33 ¹
			(80	180 878 (80	No Cont	Sample Matrix	Lab Number	Sample Time	Sample	Sample No./ Identification
			21	H 15)	o. of ainers	10	01-12010		Q	Flow 1
Remarks)			9	Chain of Custody Tape No.			Sampler: (Signature)
		-				JICARIUA CONTRACT 148-184	JICARIWA CONTI		Amoco	Bun66/
	ETERS	ANALYSIS/PARAMETERS	Ž			BLOW PIT	Project Location		•	Client/Project Name
				ECOKL	ODY H	CHAIN OF CUSTODY RECORD				

(505) 632-0615

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

SUBMIT 1 COPY TO

NATURAL RESOURCE DEP!

AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

•		
Operator: AMOCO PRODUCTION C	OMPANY	Telephone: (505) 326-9200
Address: 200 Amoco Court,	Farmington,	
Facility or Well Name: _ SICABILLA	CONTRACT 14	8 · 184 County RIO ARRIBA
	Sec_ <u>23</u> 1_2	SN RSW County PID ARZIBA
Land Type: PANGE		7/12/99
Date Remediation Started:	98 V	Date Completed: 1/12/99 Approx. cubic yards 600
Composted Other		
Depth To Groundwater: Distance to an Ephemeral Stream	(pts.) _ 0 (pts.) _ 0	Final Closure Sampling: Sampling Date: / 6 99 Time: 1300
Distance to Nearest Lake, Playa, or Watering Pond Wellhead Protection Area:	(pts.)	Sample Results: Field Headspace (ppm) TPH (ppm) Method
Distance To SurfaceWater:	(pts.)	Other
RANKING SCORE (TOTAL POIN	TS):	COMPLETE TO THE BEST OF MY
I HEREBY CERTIFY THAT THE INFO KNOWLEGE AND BELIEF		E IS TRUE AND COMPLETE TO THE BEST OF MY
DATE ///2/99 SIGNATURE Bully D. S	hau	NAME Buddy D. Shaw AND TITLE Environmental Coordinato
AFTER REVIEW OF THE SOIL REME ACCORDANCE TO THE JICARILLA		MATION, ON-SITE REMEDIATION IS APPROVED IN IT CLOSURE ORDINANCE.
APPROVED: YES NO		
SIGNED: La CMa	DATI	E: 3-31-99

CLIENT: AMOCO

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199

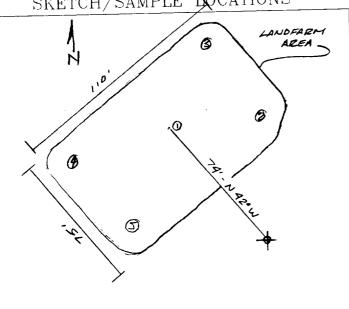
LOCATION NO: BJ528

C.O.C. NO: 4535

(505) 632-1199	
	- INDIDICATION
FIELD REPORT: LANDFARM/COMPOST PILE C	LOSURE VERIFICATION
	DATE STARTED: 1.6.99
OCATION. NAME: SICARILLA CONTRACT FOR THE TOTAL	DATE FINISHED: 1/12/97
QUAD/UNIT: E SEC: 23 TWP: 25N RNG: 5W PM: NM CNTY: EA	ENVIRONMENTAL SPECIALIST: REP
QTR/FUUTAGE: SW/4 NW/4 CONTRACTOR: P+5	SPECIALIST. P
COLL PEMEDIATION:	
	. CUBIC YARDAGE: 600
REMEDIATION SISIEM.	PTH (ft): /-2
LAND USE: RANGE LIFT DE	FIR (It).
FIELD NOTES & REMARKS:	7 (00)
DEPTH TO GROUNDWATER: 2/00 NEAREST WATER SOURCE: 2/000 NEAREST	AREST SURFACE WATER: 7700
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM	
1 A 1 5 A 1 1 A 1 A 1 A 1 A 1 A 1 A 1 A	HRY MOIST, FIRM
	ths Range From
NO APPARENT STAINING OF THE SAMPLE FOR LAB ANALYSIS.	
	APPLOX. 550 C.Y. DEPOSED
CLOSED	TO JICA. CONTR. #148-18
FIELD 418.1 CALCULATIONS (SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) mL. FREON DIL	VEIGN DEADING CALC. DOM
- Line WEIGHT (a) mt EREON DI	TITIONELREADING LOALO, PUTTI

				FΙ	ELD 418	.1 CA	4LCU	LAHUN	2			
SAMP. TIME	SAMPLE	I.D.	LAB	No:	WEIGHT	(g)	mL.	FREON	DILUTION	READING	CALC.	ppm
		-										
					1							
					 							
							-					
			<u> </u>		<u></u>		<u> </u>		L	<u></u>	L	

SKETCH/SAMPLE LOCATIONS



OVM	RESULTS	LAB	SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF.I	0.0	LF-1	(8015)	1300	105
<u> </u>					
					<u> </u>

S	CALE	
0		FT

TRAVEL NOTES: N/A CALLOUT:

ONSITE: 1.0.99



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Biagg / AMOCO	Project #:	04034-10
Sample ID:	LF-1	Date Reported:	01-08-99
Laboratory Number:	E477	Date Sampled:	01-06-99
Chain of Custody No:	6535	Date Received:	01-07-99
Sample Matrix:	Soil	Date Extracted:	01-08-99
Preservative:	Cool	Date Analyzed:	01-08-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	15.4	0.2
Diesel Range (C10 - C28)	89.6	0.1
Total Petroleum Hydrocarbons	105	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 - 18Y Landfarm. 5 Pt. Composite.

Alecur L. Cerecur

Stacy W Sendler

CHAIN OF CUSTODY RECORD

1	Cool - Ice/Blue Ice	2-0615	(505) 632-0615				
1	Received Intact	ghway 64 Mexico 87401	5796 U.S. Highway 64 Farmington New Mexico 87401				
1							<
۲ z					6220	6324-6350	Red Coc's
ceipt	Sample Receipt				3	i	
		Received by: (Signature)				ature)	Relinquished by: (Signature
1.7.99/100		All Commences of the commence	1/2/9 1100			aturet .	Relinquished by: Gignature
20/0 64	1/74	Process (Signature)	9 0700			l \ ture)	Relinquished by Signature)
	Pate	eived by: (Signat/0re)	Date Time Rece				
	0000						
rascur.	SHERVER						
المصادر							
	27.00		5011	E477	1300	1.6.99	LF-1
Xar	TO MADXITE	C 7	Matrix	Lab Number	Time	Sample	Sample No./
		No. o ontain	01-45 OH O	040			PEP
-		ers		Client No.			Sampler:
क्र	Remarks		SCARILLA CONTRACT 148-187	SKARILLA C		00	BLAGG/AMOCO
	WETERS	ANALYSIS / PARAMETERS	Project Location LANDFAKT	Project Location 2			Client / Project Name