JICARILLA APACHE TRIBE Blow II - OK SUBMIT 1 COPY TO AND OIL & GAS ADMINISTRATION DILL CE NEW MENT CO OFFICE Blow II - OK SUBMIT 1 COPY TO AND OIL & GAS ADMINISTRATION DILL CE NEW MENT CO OFFICE

DULCE, NEW MEXICO 87528

(**0**07 | **0** 8 18**9**8

PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY	Telephone: (505)326-9200
Address: 200 Amoco Court, Farmington, NM	
Facility or Well Name:	148 - 17
T Son IS TZ5N	RSW County KIO AVEIGHT
D. L. Averton Other Red	on (I)
Pit Location: Pit dimensions: length_ 27	z'_, width, depth
(Attach diagram) Reference: wellhead X , oth	ner
Footage from reference: 138	Degrees East North X
Direction from reference: <u>43</u>	Degrees East North of West South
primina.	/ = 1.000
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of property of the property of th	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	Less than 100 feet (10 points) Greater than 100 feet (0 points)
Distance to Nearest Lake, Playa, or Watering Pond	Less than 100 feet (10 points) Greater than 100 feet (0 points)
livestock or wildlife watering ponds)	Yes (20 points) One (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)	
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, rigation canals and ditches)	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
Tigation camais and different	ANKING SCORE (TOTAL POINTS):

	8J557 BLOW PIT (I)	 -1
mediation Method: eck all appropriate	rted:	
Remediation Location: (i.e. landfarmed onsite, name and location of	Other	
offsite facility) General Description o	of Remedial Action: Excavation . BEDROCK BOTTOM .	
Groundwater Encount	tered: No Yes Depth	
Closure Sampling:	Sample location _ see Attached Documents	
locations and depths)	Sample depth 15 (WEST SIDEWALL) Sample date 5/26/98 Sample time	-
	Sample Results Soil: Benzene (ppm) Water: Benzene (ppb) Total BTEX (ppm) Toluene (ppb) Field Headspace (ppm) D. O	
Groundwater Sample	e: Yes No _> (If yes, attach sample results)	
I HEREBY CERTIFY KNOWLEGE AND B	THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF THE)F MY
====== (\langle (\lang	PRINTED NAME Buddy D. Shaw Oly J. Shaw Environmental Coordinator) A NC
TO THE JICARILLA	THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORD A APACHE TRIBE PIT CLOSURE ORDINANCE.	
APPROVED: YES _	NO (REASON)	
SIGNED:	DATE: 6-15-98	- , , , , , , , , , , , , , , , , , , ,

CLIENT: AMOCO	P.O. BOX	GG ENGINEERING 87, BLOOMFIELD, (505) 632-1199	NM 87413	C.D.C. NO:
FIELD REPO	RT: CL	OSURE VERIF	ICATION	PAGE No:/ of/
DOATION NAME TOA	CONTR. 148	WELL #: \7 PIT:	bww I	DATE STARTED: 5/26/98 DATE FINISHED:
QUAD/UNIT: J SEC: 15	5 TWP: 25 N	CONTRACTOR: PF	5	13. 20. 00. 00. 00. 00. 00. 00. 00. 00. 00
EXCAVATION APPROX DISPOSAL FACILITY:	JICA. COUTR.	148-174 REMEDI LEASE: JIC 149	DEEP. CUBIC ATION METHO FO	
			138 FT. N	343W_ FROM WELLHEA
TO CODUNDLYATED	NEAREST \	WATER SOURCE: 71000' + CLOSURE STD: 5000 PR		CHECK DNE : PIT ABANDONED
NMOCD RANKING SCORE:	TION DESCRIP	TION	_	STEEL TANK INSTALLED FIBERGLASS TANK INSTALL
BEDROCK BOTTOM SCALE	TIME SAM	MPLE I.D. LAB No: WEIGH	0 4/27/93 1 CALCULATIONS T (g) ML. FREON 20	DILUTION READING CALC. PPR
0 FT PIT PERI	IMETER 4	2	PII	PROFILE
A P S	D A	OVM RESULTS SAMPLE 10 FIELD HEADSPACE PID (ppm) 1 C 15' O O O O O O O O O O O O O O O O O O O		BEDROCK
	Paul			
3	TWELL HEAD	LAB SAMPLES SAMPLE ANALYSIS TIM	E	

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:

4 @ 15'

Date Analyzed:

05-26-98

Project Location:

Jicarilla Contract 148 - 17

Date Reported:

05-26-98

Laboratory Number:

TPH-1981

Sample Matrix:

Soil

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

ND = Not Detectable at stated detection limits.

OA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
1684	1712	1.65

^{*}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 (I) - BJ557

Mohan Vol Analyst

Review

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

Field TPH-Worksheet

Client: AMOCO Project #:

Sample ID: 4 @ 15' Date Analyzed: 05-26-98
Project Location: Jicarilla Contract 148 - 17 Date Reported: 05-26-98

Laboratory Number: TPH-1981 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

QA/QC: Original Duplicate %

TPH mg/kg TPH mg/kg Diff.

1684 1712 1.65

Comments: Blow Pit (I) - BJ557

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

SJ557 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	м 87401
Encility or Well Name: TICARILLA CONTRA	Net 148-17
	Sol DSIA County Alexander
Pit Type: Scparator Dehydrator Other	PLOW PIT (II)
Land Type: Radet	
	'z', width 33', depth 20'
(Attach diagram) Reference: wellhead X,	other
Footage from reference: 16	Degrees East North
Direction from felerence.	Degrees East NorthX West South
Depth To Groundwater: (Vertical distance from contaminants to seasonal 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	Less than 100 feet (10 points) Greater than 100 feet (0 points)
ten feet in width) 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	Yes (20 points) One (0 points)
domestic water source, of test than 1000 feet from all other water sources) Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, rrigation 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):

Date Remediation Statemediation Method: ack all appropriate actions)	Landfarmed 🔀	Approx. cubic yards 600
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility) General Description		on. BEDROCK BOTTOM.
Groundwater Encoun	tered: No X Yes	Depth
Final Pit: Closure Sampling: (if multiple samples,	Sample locationsee Attached	
attach sample results and diagram of sample locations and depths)	Sample date $\frac{5/26/98}{}$ Sample Results	Sample time (330
•		m . 1.7(1 (nnh)
Groundwater Sampl	e: Yes No	(If yes, attach sample results)
I HEREBY CERTIF KNOWLEGE AND	BELIEF	OVE IS TRUE AND COMPLETE TO THE BEST OF M
DATE SIGNATURE BU	2ly D. Shaw AND TI	NAME Buddy D. Shaw TLE Environmental Coordinator ION, PIT CLOSURE IS APPROVED IN ACCORDANC ORDINANCE.
TO THE JICARILL	A APACHE TRIBE PIT CLOSURE NO (REASON)	
SIGNED:	<u>~</u>	e: <u>6-15-98</u>

CLIENT: AMOCO BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 874 (505) 632-1199	
FIELD REPORT: CLOSURE VERIFICATION OCATION: NAME: JICA. WATE. 148 WELL #: 17 PIT: 8LOW IL QUAD/UNIT: I SEC: 15 TWP: 252 RNG: 5W PM: 257 CONTRACTOR: P & 5	DATE STARTED: STEEMS DATE FINISHED: ENVIRONMENTAL SPECIALIST: NV
EXCAVATION APPROX. 32 FT. x 33 FT. x 20 FT. DEEP. C DISPOSAL FACILITY: ON -SITE REMEDIATION M LAND USE: PROGE LEASE: JC 148	FORMATION: CIC
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY	CHECK ONE: PIT ABANDONED STEEL TANK INSTALLED FIBERGLASS TANK INSTALLED ESIVE, SLIGHTLY MOIST
PIEM NO APPRIENT HE ODOR OBSERVED IN ANY OF PIT BOTTOM CONSIST OF PALE ORANGE BEOLOGY NO APPRIENT STRINING OR HE ODOR. BEOLOGY BEOLOGY TIME SAMPLE I.D. LAB NO: WEIGHT (9) ML. FE	127 193
SCALE OFT PIT PERIMETER OVM RESULTS	PIT PROFILE
SAMPLE FIELD HEADSPACE PID (ppm) 1 € 14' 0.0 2 € /4' 0.0 3 € /4' 0.0 4 € 16' 0.0 5 € 20' 0.5	BEDROXX
(3)	
LAB SAMPLES SAMPLE ANALYSIS TIME ID ANALYSIS TIME	

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:

4 @ 16'

Date Analyzed:

05-26-98

Project Location:

Jicarilla Contract 148 - 17

Date Reported:

05-26-98

Laboratory Number:

TPH-1982

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

^{*}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) - BJ557

Mehor VI Analyst

A. Slagg.

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

Field TPH-Worksheet

Client: AMOCO Project #:

Sample ID: 4 @ 16' Date Analyzed: 05-26-98
Project Location: Jicarilla Contract 148 - 17 Date Reported: 05-26-98

Laboratory Number: TPH-1982 Sample Matrix: Soil

Sample Weight: 5.00 grams Volume Freon: 20.00 mL

Dilution Factor: 1 (unitless)
TPH Reading: 5 mg/kg

TPH Result:

Reported TPH Result:

Actual Detection Limit:

Reported Detection Limit:

20.0 mg/kg
20.0 mg/kg
20.0 mg/kg
20.0 mg/kg

QA/QC: Original Duplicate %
TPH mg/kg TPH mg/kg Diff.
----1684 1712 1.65

Comments: Blow Pit (II) - BJ557

BJ557

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, N	M 87401
Facility or Well Name: JICARILA CO.	NTRACT 148-17
Sec 15 TZ	$150 \text{ R} = 500 \text{ County} = \frac{100 \text{ ARR} 1500}{1500 \text{ County}}$
Pit Type: Separator Dehydrator Other	BLOW (II)
Land Type: RANGE	
	50_, width_ 44_, depth_ 27
(Attach diagram) Reference: wellhead X,	other
Footage from reference:	<u> </u>
Direction from reference:	4 Degrees East North
	West South
Depth To Groundwater: (Vertical distance from contaminants to seasonal 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)	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, rigation 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):

	BJ557 BLOW PIT (III)	
Date Remediation Sta	Date Completed: 5/28/98	
mediation Method: eck all appropriate	Excavation Approx. cubic yards	
ections)	Cother	_
Remediation Location i.e. landfarmed onsite, name and location of official		<u>-</u>
General Description o	of Remedial Action: Excavation, REDROCK BOTTOM.	
Groundwater Encoun	ntered: No 🗶 Yes Depth	
Final Pit: Closure Sampling: (if multiple samples,	Sample location _ see Attached Documents	<u> </u>
attach sample results and diagram of sample locations and depths)	Sample depth 20° Sample date $5/28/98$ Sample time 0955	
	Sample Results Soil: Benzene (ppm) Water: Benzene (ppb) Total BTEX (ppm) Toluene (ppb) Field Headspace (ppm) O.O Ethylbenzene (ppb) TPH (ppm) NO Total Xylenes (ppb)	_
Groundwater Sample	le: Yes No _X (If yes, attach sample results)	
I HEREBY CERTIF KNOWLEGE AND I	Y THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF	f N
DATE SIGNATURE BU	PRINTED NAME Buddy D. Shaw Qly J. Shaw Environmental Coordinator AND TITLE Environmental Coordinator	AN
AFTER REVIEW O TO THE JICARILL	OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN 19000 LA APACHE TRIBE PIT CLOSURE ORDINANCE.	
APPROVED: YES		
SIGNED:	DATE: 6-15-98	

CLIENT: AMOCO	DISCONDED NM 87413	NO: <u>6</u> 7557
	T: CLOSURE VERIFICATION PAGE NO:	
QUAD/UNIT: I SEC: 15	TWP: 252 RNG: 5W PM: NM CNTY: RA ST: NM ENVIRONMENTAL	
EXCAVATION APPROX. 50	P FT. x 44 FT. x 27 FT. DEEP. CUBIC YARDAGE: REMEDIATION METHOD: WARPE	1000 EARM
	LEADE	JM WELLHEAD
DEPTH TO GROUNDWATER:	NEAREST WATER SOURCE:	ONE: IED INSTALLED TANK INSTALLEI
NEAR PIT BOTTON OR HE ODOS IN ANY OF BOTTON 35	TO DR. YELL. BROWN JAND W/ SOME PEBBLE SIZE GA OM, NW COHESINE SLIGHTLY MOIST, FIRM, NO APPARE R OBSTERVED WILL EXCAUATION NO APPARENT HE ODO THE OWN JAMPLES, SEDROCK ENCOUNTERED I FT. BE OME LT. GRAY DISCOLORATION OBSTERVED, NO APPARENT SIMPLE.	R OBSERVED
BEDROCK	TIME SAMPLE I.D. LAB NO: WEIGHT (9) ML. FREON DILUTION READI	NG CALC. ppm
SCALE	0955 (4) @ 20' TAH-1983 5 20 1:1 5	ND_
0 FT PIT PERIM	ETER PIT PROFI	LE
PIT PERIM	OVM RESULTS FIELD HEADSPACE	A,
9 9 5	A) SAMPLE PID (ppm)	
V _A	BEDROCK	
	LAB SAMPLES SAMPLE ANALYSIS TIME	
	ID. AVALISIS	
TRAVEL NOTES: CALLOU	T:ONSITE:5/28/98	

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:

4 @ 20'

Date Analyzed:

05-28-98

Project Location:

Jicarilla Contract 148 - 17

Date Reported:

05-28-98

Laboratory Number:

TPH-1983

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

^{*}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 (III) - BJ557

Mehon Vil

Review

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

Field TPH-Worksheet

Client: AMOCO Project #:

Sample ID: 4 @ 20' Date Analyzed: 05-28-98
Project Location: Jicarilla Contract 148 - 17 Date Reported: 05-28-98

Laboratory Number: TPH-1983 Sample Matrix: Soil

Sample Weight: 5.00 grams Volume Freon: 20.00 mL

Dilution Factor: 1 (unitless) TPH Reading: 5 mg/kg

TPH Result: 20.0 mg/kg
Reported TPH Result: 20 mg/kg
Actual Detection Limit: 20.0 mg/kg
Reported Detection Limit: 20 mg/kg

QA/QC: Original Duplicate %

TPH mg/kg TPH mg/kg Diff.

1684 1712 1.65

Comments: Blow Pit (III) - BJ557

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: SICAPILLA	CONTRACT 148	- 17
Location: Unit or Qtr/Qtr Sec_A	Sec T_2	SN RSW County PIO ARRIBA
Land Type: <u>LANGÉ</u>		
		Date Completed: _/./3.99 Approx. cubic yards _/600
Remediation Method: Landfarmed Composted		
Other		
Depth To Groundwater:	(pts.)	Final Closure Sampling: Sampling Date: 1.11 99 Time: 1.50
Distance to an Ephemeral Stream Distance to Nearest Lake, Playa, or Watering Pond	(pts.)	Sample Results: Field Headspace (ppm) 0.0
Wellhead Protection Area:	(pts.)	TPH (ppm) <u>1030</u> Method <u>8015</u>
Distance To SurfaceWater:	(pts.)	Other MULTIPLE SAMPLES - SEE ATTACHED
RANKING SCORE (TOTAL POIN	ITS):	FORM
I HEREBY CERTIFY THAT THE INFO KNOWLEGE AND BELIEF	ORMATION ABOVI	E IS TRUE AND COMPLETE TO THE BEST OF MY
	haw	NAME Buddy D. Shaw AND TITLE Environmental Coordinator
# A CCC(1011 A KI/ 14 T L 1 L 11C T L (A K) L L L L	/ LI / L O I	MATION, ON-SITE REMEDIATION IS APPROVED IN IT CLOSURE ORDINANCE.
APPROVED: YES NO	(REASON)	
SIGNED:	DATI	c: 3-31-99

CLIENT: A		P.O. B		BLOC 05) 6)MFII 32-	ELD, N 1199	IM 874	113	C.D.C.	NO: <u>4</u>	542
FIFID	REPORT	· LAND	FARM/	COMP	OST	PILE	CLOST	URE V	VERIFI(CATIO	NC
LOCATION: N	JAME: T 445.	A ALLEMAN I	48 WELL	#: 17]	PITS: BU	W 1, 2, 3	DA	TE STARTED	· <u> </u>	_
QUAD/UNIT	T: A SEC:	15 TWP: 25	RNG:	5W_	PM: Nr	A CNTY:	PA ST:	NM EN	IVIRONMENTA PECIALIST:	L PEP	•
	AGE: NE/4			ACTOR:				SP	ECIALIST:		
SOIL REMEI	DIATION: DIATION SY	STEM: LA	INDFARM						RDAGE: _	1600	
LAND	USE:	Z,	ANGE			Llf"[DEPTH	(11).		=	=
FIELD NOTE	TUMDWATER: >	100' NEAR	EST WATER	SOURCE:	> 100	0 .	NEAREST S	SURFACE '	WATER: <u> </u>	7800	
NMOCD RANKIN	ig score: <i>Ellow · ora</i> k Earea of G	O NMOC JUSE TO BEOWN TAINING IN	ISAND NO. LANDFAR	n 20453 m # 2 A	() VE , 5 b CBA (6 PA . 1 6 1	EE SKET ERAM	6"-18"	1 ~)			
NMOCD RANKIN OK 46 LARCA NO H	IG SCORE: ELLOW · ORAL E AREA OF C U.C. ODOR DE K. A. S. PT. O	O NMOC STAINING IN TECTED. SI COMPOSITE.	ISAND NO. LANDFAR	n 20453 m # 2 A	() VE , 5 b CBA (6 PA . 1 6 1	EE SKET ERAM	6"-18"		· 175	=.Y . T&	anteres
NMOCD RANKIN OK 46 LARCA NO H	IG SCORE: — SELLOW · ORAN SE AREA OF S I.C ODOR DE IX A 5 PT. C LAB ANALY	NMOC NMOC	ISAND NO. I LANDFARI AMPLINIC D SAMPLE F	N COHES M#2 A EPTHS I EROM EI	OVE, SI CEA (& EA NG E ACH LA	EE SLET FROM C NOFALA	6"-18" 1 AREA	2 belgax	(. 175 (148-17		andre
NMOCD RANKIN OK 46 LARCA NO H	ELLOW · OZAN E AREA OF I.C. ODOR DE X. A S. PT. O LAB ANALY	O NMOC NMOC NMOC NMOC NATAINING IN TECTED. SI NOMPOSITE .	ISAND. NO. LANDFAR. AMPLING D. SAMPLE F	N COHES M # 2 AM EPTHS A EROM EA	RIVE, SV REA (& RANGE ACH LA	FROM CONDEACH	5"-18" A AREA S	A PPROX	148-17	14	ansportes
NMOCD RANKIN OK 46 LARCA NO H	ELLOW · OZAN E AREA OF I.C. ODOR DE X. A S. PT. O LAB ANALY	NMOC NMOC	ISAND. NO. LANDFAR. AMPLING D. SAMPLE F	N COHES M # 2 AM EPTHS A EROM EA	RIVE, SV REA (& RANGE ACH LA	FROM CONDEACH	5"-18" A AREA S	A PPROX	148-1	14	ansretes
NMOCD RANKIN OK 46 LARCA NO H	ELLOW · OZAN E AREA OF I.C. ODOR DE X. A S. PT. O LAB ANALY	O NMOC NMOC NMOC NMOC NATAINING IN TECTED. SI NOMPOSITE .	ISAND. NO. LANDFAR. AMPLING D. SAMPLE F	N COHES M # 2 AM EPTHS A EROM EA	RIVE, SV REA (& RANGE ACH LA	FROM CONDEACH	5"-18" A AREA S	A PPROX	148-1	14	anspires
NMOCD RANKIN OK 46 LARCA NO H	ELLOW · OZAN E AREA OF I.C. ODOR DE X. A S. PT. O LAB ANALY	O NMOC NMOC NMOC NMOC NATAINING IN TECTED. SI NOMPOSITE .	ISAND. NO. LANDFAR. AMPLING D. SAMPLE F	N COHES M # 2 AM EPTHS A EROM EA	RIVE, SV REA (& RANGE ACH LA	FROM CONDEACH	5"-18" A AREA S	A PPROX	148-1	14	ansport
NMOCD RANKIN OK 46 LARCA NO H	ELLOW · OZAN E AREA OF I.C. ODOR DE X. A S. PT. O LAB ANALY	O NMOC NMOC NMOC NMOC NATAINING IN TECTED. SI NOMPOSITE .	ISAND. NO. LANDFAR. AMPLING D. SAMPLE F	N COHES M # 2 AM EPTHS A EROM EA	RIVE, SV REA (& RANGE ACH LA	FROM CONDEACH	5"-18" A AREA S	A PPROX	148-1	14	ansrigi
NMOCD RANKIN OK 48 LARCA NO H TODA FOC	SAMP. TIME	O NMOC NAC TO BEOMA TAINING IN TECTED. SI OMPOSITE SAMPLE I.D.	SAND. NO. LANDFAR. AMPLING D. SAMPLE F	N COHES M # 2 AM EPTHS A EROM EA	RIVE, SV REA (& RANGE ACH LA	FROM CONDEACH	5"-18" A AREA S	A PPROX	148-1	14	ANTENETES
NMOCD RANKIN OK 48 LARCA NO H TODA FOC	ELLOW · OZAN E AREA OF I.C. ODOR DE X. A S. PT. O LAB ANALY	O NMOC NAC TO BEOMA TAINING IN TECTED. SI OMPOSITE SAMPLE I.D.	SAND. NO. LANDFAR. AMPLING D. SAMPLE F	N COHES M # 2 AM EPTHS A EROM EA	RIVE, SV REA (& RANGE ACH LA	FROM CONDEACH	5"-18" A AREA S	A PPROX	148-1	14	ANTRIPES
NMOCD RANKIN OK 48 LARCA NO H TODA FOC	SAMP. TIME	O NMOC NAC TO BEOMA TAINING IN TECTED. SI OMPOSITE SAMPLE I.D.	SAND. NO. LANDFAR. AMPLING D. SAMPLE F	N COHES M # 2 AM EPTHS A EROM EA	RIVE, SV REA (& RANGE ACH LA	FROM CONDEACH	5"-18" A AREA S	FROM READING	CALC. ppi	m	
NMOCD RANKIN OK 48 LARCA NO H TODA FOC	SCORE: — SELLOW ORAN FAREA OF COLOR DE X A SPT. O LAB ANALY CLOSEL SAMP. TIME	O NMOC NAC TO BEOMA TAINING IN TECTED. SI OMPOSITE SAMPLE I.D.	SAND. NO. LANDFAR. AMPLING D. SAMPLE F	N COHES M # 2 AM EPTHS A EROM EA	EANGE BALLA B.1 CALL (g) m	FROM CONDEACH	S DILUTION	FROM READING	CALC. ppi	MPLE	S
NMOCD RANKIN OK 48 LARCA NO H TODA FOC	SCORE: SELLOW · ORAN FAREA OF CO.C. ODOR DE LAS ANALY CLOSES SAMP. TIME	O NMOC NAC TO BEOMA TAINING IN TECTED. SI OMPOSITE SAMPLE I.D.	SAND. NO. LANDFAR. AMPLING D. SAMPLE F	ELD 418	EANGE EANGE EANGE (g) m	CULATION L. FREON	S DILUTION	READING SAMPLE	AB SA	MPLE	S RESULTS
NMOCD RANKIN OK 48 CARCA NO H TODA FOE	SCORE: SELLOW ORAN FAREA OF COLOR DE LA SPT. O LAB ANALY CLOSES SAMP. TIME TCH/SAM AREA # 2	SAMPLE I.D.	SAND. NO. LANDFAR. AMPLING D. SAMPLE F	ELD 418	OV SA	M RES	SULTS D HEADSPACE PID (ppm)	READING SAMPLE ID LF-1	AB SAI ANALYSIS (BD15)	MPLE TIME	S RESULTS
NMOCD RANKIN OK 48 LARCA NO H TODA FOR	SCORE: SELLOW ORAN FAREA OF COLOR DE LA SPT. O LAB ANALY CLOSES SAMP. TIME TCH/SAM AREA # 2	SAMPLE I.D.	SAND. NO. LANDFAR. AMPLING D. SAMPLE F. LAB NO: ATIONS	ELD 418	OV	M RES	SULTS D HEADSPACE PD (ppm)	READING SAMPLE	AB SAI ANALYSIS (BD15)	MPLE	S RESULTS
NMOCD RANKIN OK 48 CARCA NO H TODA FOE	SCORE: SELLOW ORAN FAREA OF COLOR DE LA SPT. O LAB ANALY CLOSES SAMP. TIME TCH/SAM AREA # 2	SAMPLE I.D.	SAND. NO. LANDFAR. AMPLING D. SAMPLE F	ELD 418	OV SA	M RES	SULTS D HEADSPACE PID (ppm)	READING SAMPLE ID LF-1	AB SAI ANALYSIS (BD15)	MPLE TIME	S RESULTS

ONSITE: 1 11.99 TRAVEL NOTES: CALLOUT:

SCALE 0 FT



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

		Denie od Mi	04034-10
Client:	Blagg / AMOCO	Project #:	•
Sample ID:	LF - 1	Date Reported:	01-13-99
•	E491	Date Sampled:	01-11-99
Laboratory Number:		•	01-12-99
Chain of Custody No:	6542	Date Received:	• , .=
Sample Matrix:	Soil	Date Extracted:	01-12-99
·	Cool	Date Analyzed:	01-13-99
Preservative:		•	8015 TPH
Condition:	Cool and Intact	Analysis Requested:	0010 1111

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	5.4	0.2
Diesel Range (C10 - C28)	6.7	0.1
Total Petroleum Hydrocarbons	12.1	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 - 17 Landfarm. 5 Pt. Composite.

Analyst . Oglessen

Stacy W Sendler



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Diesel Range (C10 - C2 Total Petroleum Hydrod	•	1,020 1,030	0.1
Gasoline Range (C5 - C	·	10.9	0.2 0.1
Parameter		Concentration (mg/Kg)	Limit (mg/Kg)
			Det.
Preservative: Condition:	Cool Cool and Intact	Analysis Requested:	8015 TPH
Sample Matrix:	Soil	Date Extracted: Date Analyzed:	01-12-99
Chain of Custody No:	6542	Date Received:	01-12-99 01-12-99
_aboratory Number:	E492	Date Sampled:	01-11-99
Client: Sample ID:	LF - 2	Date Reported:	01-13-99
NP =4.	Blagg / AMOCO	Project #:	04034-10

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 - 17 Landfarm. 5 Pt. Composite.

Analyst

Stacy W Sendler

CHAIN OF CUSTODY RECORD

Client / Project Name BLANG / AMOCO Sampler: Remple No./ Dain Identification Dain Dain Dain Dain Dain Dain Dain Dai	12 13 15 15 15 15 15 15 15	Sample Time	Project Location LANDFARM SICARILLA CONTRACT 142 Client No. Client No. E493 4-10 Sample Matrix Date Tim		Received by: (Signature) No. of Containers TPH 8015	ANALYSIS / PARAMETERS	Aran Ca
/	1.99	130	E491	3016			SPT COMPOSITE
		/SO	E492	5016			SPT COMPOSITE
							SAMBS PRESER
							-
Relinquished by: (Signature)				Time 9 0730	Received by: (Signature)	afeen	999
Relinquished by: (Signature)					Received by: (Signature)	·	
Part COC'S 65	4459-1459	445		ENVIROTECH IC	ECH INC.		Sample Receipt
				5796 U.S. Farmington, No. (505) (5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615	•	Received Intact Cool - Ice/Blue Ice