JICARILLA APACHE TRIBE DENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 BULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

OIL COLDER REMEDIATION AND CLOSURE REPORT DIST. 3

Operator: AMOCO PRODUCTION COMPANY	Telephone: (505) 326-9200
200 Amoco Court, Farmington, NI	M 87401
Facility or Well Name:	T # 185 - E
Location: Unit or Qtr/Qtr Sec Sec30 T	SN RSW County XIO AKUSII
Pit Type: Separator Other Other	0N
Land Type:	
I It Docution	_3', width1Z', depth13'
(Attach diagram) Reference: wellhead X,	other
Footage from reference: 155	Foot North
Direction from reference:86	O 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, irrigation canals and ditches)	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
al and the second secon	RANKING SCORE (TOTAL POINTS):

		RTING	Riow PTT
	43.	Date Completed	: 12/7/48
	orted:	Approx. cubic yar	rds75
Remediation Method: (Check all appropriate	Excavation ×		ion
sections)	Landfarmed ×	Insitu Bioremediai	IOII
	Other		
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)			
General Description	of Remedial Action: Excavat	ion. BEDROCK BOTT	om ·
Groundwater Encoun	tered: No X Yes	Depth	
Final Pit: Closure Sampling: (if multiple samples,	Sample location see Attach		
attach sample results	Sample depth 8' <	WEST SIDEWALL)	
and diagram of sample locations and depths)	Sample date	Sample tin	me <u>950</u>
	Sample Results		
	Soil: Benzene (ppm)	Water:	Benzene (ppb)
			Toluene (ppb)
	Field Headspace (ppm))	Ethylbenzene (ppb)
			Total Xylenes (ppb)
	TPH (ppm)	<u>4.3</u>	Total Aylenes (ppo)
Groundwater Sample			
I HEREBY CERTIFY KNOWLEGE AND I	Y THAT THE INFORMATION ADBELIEF	BOVE IS TRUE AND CO	MPLETE TO THE BEST OF MY
D 4 (D)G	/2/ 7 /98_,PRINTE	D NAME Buddy D.	Shaw
DATE (2)		TITLE Environme	
SIGNATURE Dub			
AFTER REVIEW OF TO THE JICARILLA	F THE PIT CLOSURE INFORMA A APACHE TRIBE PIT CLOSUR	E ORDINANCE.	MIROTED IN ACCOMMIN
ADDDOVED, VEC	NO (REASON)		

DATE: 12-28-98

SIGNED:

					المصمر
CLIENT: AMOCO	BLAGG ENGI P.O. BOX 87, BLO	NEERING, INC OMFIELD, NM	:. 87413	LOCATION NO	81 106
	(505) 6			C.B.e. 112	
FIELD REPOR'	Γ: CLOSURE	VERIFICA	TION	PAGE No: _/	
OCATION: NAME: JCA. Son	MR. 155 WELL #: 2	PIT: BLOW		DATE STARTED: /2 DATE FINISHED: _	
QUAD/UNIT: J SEC:30	TWP: ZEN RNG: SW	PM: PM CNTY: KH	STNM	ENVIRONMENTAL SPECIALIST:	
OTR/FOOTAGE:1650 FSL	MOD' FEL CONTRACTO	R: P&S			
EXCAVATION APPROX. 23	FT. x <u>1Z</u> FT. x		CUBIC	YARDAGE: _	
DISPOSAL FACILITY:	>n -517E	REMEDIATION	METHO	RMATION	PC
LAND USE: KANGE	LEASE:	110133			
FIELD NOTES & REMARI	KS: PIT LOCATED APP	ROXIMATELY 155	FT	F VATER: >12	WELLHEAD.
DEPTH TO GROUNDWATER: >101	NEAREST WATER SOURCE:	5060 DOM	(EST 30KT 71C	CHECK ON	E_;
NMOCD RANKING SCORE:	NMOCD TPH CLOSURE STI	: <u></u> ррм	-	PIT ABANDONEDSTEEL TANK IN	
SDIL AND EXCAVATIO				FIBERGLASS TA	NK INSTALLED
SIDEMPILS - MOD. Y	ELL. BROWN SILTY SON	ים אונדץ כנ	AT COHE	ESIVE SLIGHTL	+ moist,
FIRM .	TO VERY STIFF NO	APPARENT THINK	-e obser	EVED HC ON	00/2 NY 0F
DETEC	TED WIN EXCAPATION	2) NO HPPAILEM	#C		•
	som samples.				
	(SHOLE) GROTISH GR	EEN IN COLOR,	UERY 1	ARD, NO AF	TUBNA
BOTTOM - BEDROET	OR IN OUM SAMPLE	•			
BEORDER CLO		FIELD 418.1 CALC B No: WEIGHT (g) m	ULATIONS L EREON I	DU LITION READING	CALC. ppm
COLLE		3 No: WEIGHT (9) III	IL. TREGIT		
SCALE	0950				
0 FT			PIT	PROFIL	F
PIT PERIM	ETER RA	OVM	1.1.1	PROFIL	<u>. </u>
		SULTS	£	12	. A
	SAMPLE ID	FIELD HEADSPACE PID (ppm)	 		
23	2 @ 8'	0.0	7		
, A	3 e 9/ 4 e 8/	0.0		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_ (_
	3 WELL 5 @ 13'	0.0	T 2h	7/17/	-77
\ \(\bar{\alpha} \)	HEAD			BEDROCK	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2			(sh)	,
12'	* A'	SAMPLES			
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	LAB SAMPLE	ANALYSIS TIME			
SLOPE SLOPE		PH(8015) 0950			
DIRECT		MSTED)			
	· · · ·				
TRAVEL NOTES: CALLOU	Γ·	ONSITE:			



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 4 @ 8' E344 6423 Soil Cool Cool and Intact	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested:	04034-10 12-07-98 12-04-98 12-07-98 12-07-98 12-07-98 8015 TPH
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Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.6	0.2
Diesel Range (C10 - C28)	1.7	0.1
Total Petroleum Hydrocarbons	4.3	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 #155 - 2 Blow Pit.

Deus L. Quesser

Stacy W Sendler
Review

CHAIN OF CUSTODY RECORD

	1						
- 2 I	Project Location	Bian PTT		ANALYSIS / PARAMETERS	METERS		
Birso / Amoco	JICARILUS CO	CONTRACT #155-2					
Sampler:			ers		Remarks	erks	
727	01-45040	10	o. of taine				
Sample No./ Sample Sample Identification Date Time	Lab Number	Sample Matrix	Con				
2 84h/z/	E344	5012	` <		Preserv	- 00	COOL
Relinquished by: (Signature)		Date Time	Received by: (Signature)	Polence	De /2.7	Date /2.7.98 0	Time
Relinquished by: (Signature)		1,70	Received by: (Signature)				
Relinquished by: (Signature)		Яес	Received by: (Signature)				
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						< z	3
		5796 U.S. Highway 64 Earmington New Mexico 87401	jhway 64 Mexico 87401		Received Intact	7	1
		(505) 632-0615	-0615		Cool - Ica/Blue Ice	Ä	

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

SUBMIT I 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: SICARILLA CONTRACT 155	5.2
Location: Unit or Qtr/Qtr Sec 5 Sec 30 T2	ON REW County PIO AREIBA
Land Type: RANGE	
Date Remediation Started:	Approx. cubic yards _75
'epth To Groundwater: (pts.) _o	Final Closure Sampling:
Distance to an Ephemeral Stream (pts.)	Sampling Date: 6899 Time: 1010
Distance to Nearest Lake, Playa, or Watering Pond (pts.) Wellhead Protection Area: (pts.) Distance To SurfaceWater: (pts.)	Sample Results: Field Headspace (ppm) 1.4 TPH (ppm) 6.1 Method (8015) Other
RANKING SCORE (TOTAL POINTS):O I HEREBY CERTIFY THAT THE INFORMATION ABOVE	A IS TRUE AND COMPLETE TO THE REST OF MY
KNOWLEGE AND BELIEF	IAME Buddy D. Shaw
AFTER REVIEW OF THE SOIL REMEDIATION INFORM ACCORDANCE TO THE JICARILLA APACHE TRIBE PITAPPROVED: YES NO (REASON)	r CLOSURE ORDINANCE.
SIGNED: DATE	

CLIENT: AMOCO	P.O. BOX 87, BLO	NEERING, INC. OMFIELD, NM 87413 332-1199	C.D.C. ND: 7069
FIELD REPORT:	LANDFARM/COMF	POST PILE CLOSURE	VERIFICATION
LOCATION: NAME: CONTRAC	T 155 WELL #: 2	PITS: BLOW	DATE STARTED: 6.8.99 DATE FINISHED:
	SE/4 CONTRACTOR:	PM: NM CNTY: RA ST: NM P45	ENVIRONMENTAL REP
SOIL REMEDIATION:			
	STEM: LANDFARM	APPROX. CUBIC	YARDAGE: <u>7≤</u>
LAND USE:	RANGE	LIFT DEPTH (ft):	
FIELD NOTES & REMAN	RKS:		
		>/000 NEAREST SURFAI	CE WATER:
	NMOCD TPH CLOSURE STD		
ALL ARPACENT STRING	SAND, NON COHESIVE, SLIC NG. HCODDR DETECTED IN	J SAMPLING F. E	
SAMPLING DEPTHS R	PANGE FROM 6"-10" CO	PLLECTED A SPT	
	FOR LAB ANALYSIS .		
CLOSED)		3.1 CALCULATIONS	
SAMP. TIME S	AMPLE I.D. LAB No: WEIGHT	(g) mL. FREON DILUTION READ	NG CALC. ppm
OKPECII (CAMP)	LE LOCATIONS		
SKETCH/SAMP	LE LOCATIONS]	
	3/ 3/ 3/ 3/	OVM RESULTS	LAB SAMPLES
l		SAMPLE FIELD HEADSPACE SAMP ID	
	30.	LF-1 1.4 LF-1	78015) 1010 6.1
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!		SCALE	
TRAVEL NOTES: CALLOL	JT: _ <i>M.A</i>	0 FT ONSITE: 6.8.99	
CALLUI	<u> </u>	0	

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EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / AMOCO Sample ID: LF - 1 Laboratory Number: F471 Chain of Custody No: 7069 Sample Matrix: Soil Preservative: Cool Condition: Cool and Intact	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested:	403410 06-09-99 06-08-99 06-09-99 06-09-99 8015 TPH
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Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	5.2	0.2
Diesel Range (C10 - C28)	0.9	0.1
Total Petroleum Hydrocarbons	6.1	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 155 - 2 Landfarm. 5 Pt. Composite.

Analyst R. Cylence

Stacy W Sendler

CHAIN OF CUSTODY RECORD

			(
Client / Project Name			Project Location LANDFARM	ANDHARM			À	ANALYSIS / PARAMETERS	AMETERS		
BLACES/AMOCO	Š		JICARILLA CO	SICAPILLA CONTRACT 155-2							
Sampler:			Client No.		rs)			Remarks	arks	
REP			014804	0	o. of	4 / <u>5</u> ,			•		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	Con	TP.					
LF-1	6899	1010	147	5012	_	7			SPT. COMPOSITE	2517	"I
									SAMRE TRESSON	PESS	300
									2001		
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Relinquished by: (Signature)	٥				Received by: (Signature)	Signature)					
Relinquished by: (Signature)	9			Re	Received by: (Signature)	Signature)					
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										≺ z	Z X
				5796 U.S. Highway 64 Earmington New Mexico 87401	ighway 6	4 87401			Received Intact	7	
				(505) 622-0615	2-0615	10.10			Cool - Ice/Blue Ice	1	