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

BJ688 DECLOCY
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SUBMIT I COPY TO
SEP SUBMIT I COPY TO
AND OIL & GAS ADMINISTRATION
DECEMBER
AND 2 7 1000

PIT REMEDIATION AND CLOSURE REPORT

III KIMIMATATA	OUL	L COM. DUV.
	m I. James) (505) 326-9200
Operator: AMOCO PRODUCTION COMPANY		or the many grade
Address: 200 Amoco Court, Farmington, NM	87401	
Facility or Well Name: JICA/MULA CONTRE	OCT # 155 - 29	
Co. 27 TZ6	PR 5W County R10	ARRIBA
Pit Type: Separator Dehydrator Other_ Bl		
Land Type:		
Pit Location: Pit dimensions: length 4	14', width39'	, depth6'
(Attach diagram) Reference: wellhead X, o	ther	
Footage from reference: / 4/5	·	
Direction from reference: 4/	Degrees East	North
	∠ West	South
	Less than 50 feet	(20 points)
Depth To Groundwater: (Vertical distance from	50 feet to 99 feet Greater than 100 feet	(10 points)
contaminants to seasonal high water elevation of	Gleater than 100 leet	
groundwater)	Turn than 100 feet	(10 points)
Distance to an Ephemeral Stream (Downgradient dry wash greater than	Less than 100 feet Greater than 100 feet	(0 points)
ten feet in width)	- 100 6 4	(10 points)
Distance to Nearest Lake, Playa, or Watering Pond	Less than 100 feet Greater than 100 feet	(0 points)
(Downgradient lakes, playas and livestock or wildlife watering ponds)	W.	(20 noints)
Wellhead Protection Area:	Yes No	(20 points) (0 points)
(Less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources)		
Distance To SurfaceWater:	Less than 100 feet	(20 points)
(Horizontal distance to perennial	100 feet to 1000 feet Greater than 1000 feet	(10 points) (0 points)
lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)		

RANKING SCORE (TOTAL POINTS):

*			BJ688 BLD1	2 PIT
				14/98
Date Remediation Sta				
Remediation Method:	Excavation			75
(Check all appropriate sections)	Landfarmed ×	Insitu Bioremed	diation	
	Other			
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)				
General Description o	f Remedial Action: Excavat	ion, Excosion m	OSTLY BEDRO) HEREPURE
NO TPH AND	LYSIS WAS CONDUCTED.			
Groundwater Encount	cred: No X Yes	Depth		
	Sample location <u>see Attach</u>	ed Documents		
Closure Sampling: (if multiple samples,				
attach sample results and diagram of sample	Sample depth3' (No.	RAH SIDEWALL)	·	
locations and depths)	Sample date	Sample	time/330	
il .	Sample Results			
ıl	Soil: Benzene (ppm)	Water	r: Benzene	(ppb)
	Total BTEX (ppm)		Toluene	(ppb)
	Field Headspace (ppm)	46. D	Ethylhenzene	(ppb)
	TPH (ppm)		Total Xylenes	(ppb)
Groundwater Sample:	Yes No <u>×</u>		ple results)	
I HEREBY CERTIFY KNOWLEGE AND BI	THAT THE INFORMATION AB	OVE IS TRUE AND C	COMPLETE TO	THE BEST OF MY
DATE	11/24/98 , PRINTED	NAME Buddy D	. Shaw	
SIGNATURE BLD	11/24/98 PRINTED	ITLE Environ	mental Coor	dinator
AFTER REVIEW OF	THE PIT CLOSURE INFORMAT APACHE TRIBE PIT CLOSURE	rion, pit closure		
1	NO (REASON)			
SIGNED:	CMall DAT	E: <u>12-28-</u>	98	

CLIENT: AMOCO BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413	C.O.C. NO:
(505) 632-1199	U.U.C. IND
FIELD REPORT: CLOSURE VERIFICATION	PAGE No: of
LOCATION: NAME: TICA. CONTR. 155 WELL #: 29 PIT: BLOW	DATE STARTED: 1124/98 DATE FINISHED:
QUAD/UNIT: F SEC: 32 TWP: 26N RNG: 5W PM:NM CNTY: RA STWM QTR/FOOTAGE: 1810 FNL (1520 FNL CONTRACTOR: P65	ENVIRONMENTAL NV SPECIALIST:
EXCAVATION APPROX. 44 FT. x 39 FT. x 6 FT. DEEP. CUBIC	YARDAGE: 275
REMEDIATION METHO	D: LANDFARM
LAND USE: KANGE LEASE: JC 183 FOR	RMATION:
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 145 FT. 1 DEPTH TO GROUNDWATER: >/200 NEAREST WATER SOURCE: >/200 NEAREST SURFACE	SALER: >/800 /
i i	CHECK ONE: PIT ABANDONED
SOIL AND EXCAVATION DESCRIPTION:	_ STEEL TANK INSTALLED _ FIBERGLASS TANK INSTALLED
EXAMPLED OF MUSTLY BEDROCK (SANDSTONE) ONLY	GEDT TO DX. GRAY IN
COLOR COLORIE & REDROCK TOP TO VERY KARD & PIT BOS	SPEC SINING COINCE
EXERUPTION, NORTH SIDEWALL & PIT BOTTOM ONLY SAMPLES COLLECTED FROM BEORDER THEREFORE NO TOHI ANALYSIS "	ALL SAMPLES
COLLECTED FROM BEORDER THEREFORE NO THE ANALYSIS	UAS CONDUCTED.
EXCOUNTION (CLOSED)	
FIELD 418.1 CALCULATIONS TIME SAMPLE I.D. LAB NO: WEIGHT (g) mL. FREON C	ILUTION READING CALC. ppm
SCALE 1330	
O FT	
PIT PERIMETER A	PROFILE
POUND SLOPE OVM RESULTS A	A '
SAMPLE FIELD HEADSPACE PID (ppm) 1 @ 3' 46.0	44'
2 @ 3' 0.0 I6'7 12'	25
39 / 4 @ 4' 4.3 5 @ 6' 41.5	BEDROCIZ (55)
9 6	(>>)
3	•
LAB SAMPLES	
SAMPLE ANALYSIS TIME	
WELL HEAD	
TRAVEL NOTES: CALLOUT: ONSITE:	

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

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AND OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

	Telephone: (505) 326-9200	
Operator: AMOCO PRODUCTION COMPANY		
Address: 200 Amoco Court, Farmington, NI	4 87401	_
Facility or Well Name:	# 155-29	
Location: Unit or Qtr/Qtr Sec F Sec 32 TZ6	SN R SW County R10 HOR181)	
Pit Type: Separator X Dehydrator Other		
Land Type: RANGE		
Pit Location: Pit dimensions: length	other, widthz4', depth4'	
Factors from reference: \5	3'	
Direction from reference: 5	B Degrees East North Of West South	
Direction from 151514	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)	>
1	RANKING SCORE (TOTAL POINTS):	>

	BIGSS SEP. PIT
Remediation Method: (Check all appropriate sections) Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) Caparal Description (of Remedial Action: Excavation, Excavation mostly BEDRICK
THE THE THE	TPH ANALYSIS WAS CONDUCTED.
Groundwater Encount	ered: No X Yes Depth
Closure Sampling: (if multiple samples, attach sample results	Sample locationsee Attached Documents Sample depth4
	Sample Results Soil: Benzene (ppm)
1	: Yes No (If yes, attach sample results)
KNOWLEGE AND B	
ATTEND DEVICE OF	PRINTED NAME Buddy D. Shaw Oly D. Shaw The Pit Closure information, Pit Closure is Approved in Accordance Approved the Course ordinance.
APPROVED: YES	X NO (REASON)
ISIGNED:	-C Maul DATE: 12-28-98

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.O.C. NO:
LOCATION: NAME: J'CA. CONTR. 155 WELL #: 29 PIT: 5EP.	PAGE No: of DATE STARTED:/24/98 DATE FINISHED: ENVIRONMENTAL SPECIALIST:
EXCAVATION APPROX. 18 FT. x 24 FT. x 4 FT. DEEP. CUBIC DISPOSAL FACILITY: 0N-51TE REMEDIATION METHOD LAND USE: RANCE LEASE: JC 155 FOR FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 153 FT. ADDITION OF SCRIPTION:	MATION: MV 88E FROM WELLHEAD.
EXCRUSTION CONSISTED OF MOSTLY BEDROCK (SANDSTONE), MED. GLAY (PIT BOTTON) DERY HARD ANY DISCONDRATION OF BOTTOM, NO APPARENT HE ODAR WIN EXPLOTION NO NO DYM SAMPLES, ALL SAMPLES COLLECTED FROM BE, NO TOH AMALYSIS WAS CONDUCTED. FIELD 418.1 CALCULATIONS SCALE OFT PIT PERIMETER IN OVM RESULTS SAMPLE ID. LAB NO: WEIGHT (g) ML. FREON DI OVM RESULTS SAMPLE PRED MARGENCE PRED MARGENC	APPALENT HE GOOR

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 C	COMPANY	Telephone: (505) 326-9200
Address: 200 Amoco Court,	Farmington,	NM 87401
Facility or Well Name: TICARILLA	CONTRACT 15	5 29
Location: Unit or Qtr/Qtr Sec_F	Sec_ <u>32</u> T_ <u>2</u>	EN RSW County BIO ARRIBA
Land Type: アタバロモ		
Date Remediation Started: // 24	99	Date Completed:6/10/99
Remediation Method: Landfarmed	<u></u>	Approx. cubic yards 325
Composted		
Other		
epth To Groundwater:	(pts.)	Final Closure Sampling:
Distance to an Ephemeral Stream	(pts.)	Sampling Date: <u>6999</u> Time: <u>1020</u>
Distance to Nearest Lake, Playa, or Watering Pond	(pts.)	Sample Results:
Wellhead Protection Area:	(pts.)	Field Headspace (ppm) 29.5
Distance To SurfaceWater:	(pts.) <u>6</u>	TPH (ppm) <u>1,610</u> Method <u>18015</u>
RANKING SCORE (TOTAL POIN	TS):	Outer
		E IS TRUE AND COMPLETE TO THE BEST OF MY
DATE 6/10/99	PRINTED N	IAME Buddy D. Shaw
SIGNATURE Bully S. S	hau	AND TITLE Environmental Coordinator
AFTER REVIEW OF THE SOIL REME ACCORDANCE TO THE JICARILLA	DIATION INFORM APACHE TRIBE PI	ATION, ON-SITE REMEDIATION IS APPROVED IN CLOSURE ORDINANCE.
APPROVED: YES NO	(REASON)	
	****	·
SIGNED:	DATE	·

CLIENT: AMOCO	BLAGG P.O. BOX 87		FIELD, N			C.D.C.	ND: 2	
FIELD REPORT:	LANDFARM/	/COMPOS	ST PILE	CLOST				
LOCATION: NAME: CONTRAC	a T 155 WEL	L #: 29	PITS: SE	P., Blow	_	ATE STARTE ATE FINISHE		
QUAD/UNIT: F SEC: 3	32 TWP: 26N RNG:	5W PM:	NM CNTY:	PA ST:	$NM \vdash$			
OTR/FOOTAGE: SE/4	NW/4 CONTE	RACTOR: P	<u> </u>		SF	NVIRONMENT PECIALIST:	<u>P</u> E	P
SOIL REMEDIATION:								
REMEDIATION SY	STEM: LANDFARM	<u> </u>	APPR	OX. CUE	BIC YAF	RDAGE:	325	5
LAND USE:	9 /		LIFT	DEPTH	(ft):	<u>,,, </u>	-	
	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		,::=_:=:=					
FIELD NOTES & REMA	NEAREST WATE	R SOURCE: >/	000	NEAREST S	URFACE	WATER: <u>></u>	1000	·
:								
NMOCD RANKING SCORE:			AT EIRM	TWO AR	EAS OF	E STAIN	1120	
		الماسم سرد مرس	אל באמונה	4FF3 1	GREFC	366 376	. ,	BELOW)
11 ADAZ DETELTE	Λ IN SAMPLIND $ u$	ケン・ロンマロン・	SAMPLING	1 Der inc	پ ۱۰۰۰ ر	E FROM	16"-	10"
COLLECTED A SPI	COMPOSITE SA	MPLE FOR	L CAB AN	ALYSIS				
CLOSE		IELD 418.1 C	ALCULATION	5				
SAMP. TIME		WEIGHT (g)			READING	CALC. pp	om.	
70.								
1, 2, 2, 8			<u> </u>					
-''	N.D. LOCATIONS		_i	<u> </u>		<u> </u>		
SKETCH/SAMP	PLE LOCATIONS							
A		Ì						
1 LF.	AREA 75'		OVM RES	ULTS	L	AB SA	MPL	ES
7	7 0777	7777	SAMPLE FIELD	HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
	* 3					(8015)	1020	1,610
45'	90. N 86°E	1111						
T	D (STAINED	AREAS						
LF AREA	\m. \ \	AREAS						
35,4		- _ -						
80 50	711/1/1/	_	L			1		
	LF AR	EA T	SCALE					
	() (2) #2							
-		• 1	r \ 1	ייטים				

ONSITE: 4999

TRAVEL NOTES:

CALLOUT: NA



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 F481 7073 Soil Cool Cool and Intact	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested:	403410 06-10-99 06-09-99 06-10-99 06-10-99 8015 TPH
--	--	---	--

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	21.5	0.2
Diesel Range (C10 - C28)	1,590	0.1
Total Petroleum Hydrocarbons	1,610	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 - 29 Landfarm. 5 Pt. Composite.

Analyst . Oferan

Stacy W Sendler

CHAIN OF CUSTODY RECORD

Heceived intact		Farmington, New Mexico 87401	T 1			
		5796 U.S. Highway 64				
۲ 2		770-50				
Sample Receipt		FOVIDOTECH IO	П			
	Received by: (Signature)	Received b			ature)	Relinquished by: (Signature)
	Received by: (Signature)	Received by			iture)	Relinquished by: (Signature)
6-10-99 715	Received by: (Signature)	Time 7:15	6.10.49		lture)	Relinquished by/(Signature)
2007						
SAMPLE PRESCON						
SA. COMPOSITE	7	5012 1	F481	1020	69.99	LF-1
	77 C80		Lab Number	Sample Time	Sample Date	Sample No./
		lo. of	014804			REP
Remarks			Client No.			Sampler:
		act 155.29	JICARILLA CONTRACT 155-29		8	BLAGG/AMOCO
TERS	ANALYSIS / PARAMETERS	OFACI	Project Location LANDFACT			Client / Project Name