OCT 0 8 1999

JERUTY OIL & GAS INSPECTION OFFICE P.O. BOX 507 P.O. BOX 507

BJ530

SUBMIT I COPY TO

NATURAL RESOURCE DEPT AND OIL & GAS ADMINISTRATION

DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY	Telephone: (505)326-9200
Address: 200 Amoco Court, Farmington, NM	i i
Address: 200 Amoco Court, Farming con, T	-cact 148 - 8
Facility or Well Name: JICARILLA CONT	PID ORDINA
Location: Unit or Qtr/Qtr Sec_F Sec_Z3 T_Z5	2 RSW County KIS HEETS!
Pit Type: Separator Dehydrator Other &	Low
Land Type: RANGE	
	n', width, depth
• • • •	
	ther
Footage from reference:	Degrees X East North X
Direction from reference: 35.	of
e	West South
(Vertical distance from contaminants to seasonal	less than 50 feet (20 points) 0 feet to 99 feet (10 points) Greater than 100 feet (0 points)
high water elevation of groundwater) Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	- white and the second
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, ration canals and ditches)	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
The state of the s	RANKING SCORE (TOTAL POINTS):

		BJ 230	Brom bll
Date Remediation Start	ted:	Date Complete	ed:2/4/98
F diation Method:	Excavation \checkmark		yards
	Landfarmed >	Insitu Bioremed	iation
	Other		
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)	Onsite		
General Description of	f Remedial Action: _Excavatio		
Groundwater Encounte	ered: No <u>×</u> Yes	Depth	
Closure Sampling:	Sample location <u>see Attached</u>		
attach sample results	Sample depth	т Волгот)	
and diagram of sample locations and depths)	Sample date	Sample	time
	Sample Results		
i	•	Water	r: Benzene (ppb)
			Toluene (ppb)
	Field Headspace (ppm)	0.0	Ethylbenzene (ppb)
	трн (ррт)	42.5.	Total Xylenes (ppb)
11	: Yes No _		
I HEREBY CERTIFY KNOWLEGE AND B	LLIEF		COMPLETE TO THE BEST OF MY
DATE	2 4 98 PRINTED 1	NAME Buddy D). Shaw
B.C	ly D. Shaw AND TI	TLE Environ	mmental Coordinator
TO THE JICARILLA	APACHE IRIBETTI CECT		E IS APPROVED IN ACCORDANCE
APPROVED: YES	NO (REASON)		
SIGNED: KOT	E Maul DATE	: 2-6-99	8

CLIENT: AMOCO		- RTERD
	BLAGG ENGINEERING, I P.O. BOX 87, BLOOMFIELD, N (505) 632-1199	NC. M 87413 C.D.C. ND: 5723
OCATION: NAME: TICA.	RT: CLOSURE VERIFIC WATE. 148 WELL #: 8 PIT: 8C TWP: 250 RNG: 50 PM: NM CNTY:	DATE STARTED: 2398 DATE FINISHED:
OTR/FOOTAGE: SELY	\\ \(\text{\omega} \) \(EP. CUBIC YARDAGE: 100
LAND USE:	ARKS: PIT LOCATED APPROXIMATELY	IOO FT. N35E FROM WELLHEAD WEAREST SURFACE WATER: 21000' CHECK ONE:
	TO DK. YELL. BROWN SAND, NON CORRECT STAINING OR HC ODOR OF THE OUT	ALCULATIONS
SCALE	TIME SAMPLE I.D. LAB NO: WEIGHT (g.) ml. FREON DILUTION READING CALC. ppm
0 FT PIT PERI	METER 4N OVM RESULTS SAMPLE FIELD HEADSPACE	17 12
PIT PERI	OVM RESULTS SAMPLE FIELD HEADSPACE PID (ppm) 1	-A , A



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix:	Blagg / AMOCO 5 @ 18' C874 5723 Soil	Project #: Date Reported: Date Sampled: Date Received: Date Extracted:	04034-10 02-04-98 02-03-98 02-04-98 02-04-98
Preservative: Condition:	Cool Cool and Intact	Date Analyzed: Analysis Needed:	02-04-98 TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

42.5

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Contract 148-8 Blow Pit.

Dew L. Oferen

Stacy W Sendler

CHAIN OF CUSTODY RECORD

3				
Received by: (Signature)	Received by			Relinquished by: (Signature)
Received by: (Signature)	Received by		1	Relinquished by: (Signature)
Received by: (Signature) Date Time 2.4-98 0207		2/4/98 0707	S.	Relinquished by: (Signature)
RECEIVED COOL & INTROLL DIAN	SAMPLE RE			
		-	•	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	5012 1	C874 S	43/98 1115	(5)e18' 4
L	Sample Sample Matrix	Lab Number	Sample Sample Date Time	Sample No./ Identification
8.1	lo. of	01-45040		Million UK
Remarks		Chain of Custody Tape No.)	Sampler: (Signature)
	8-841	TICARILLAA CONTRACT	60	BLAEG/ Amoco
ANALYCIC/DARAMETERS	PIT	Project Location &cow		Client/Project Name
arconv	CHAIR OF COSTODI			

ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615

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

SJ530 SUBMIT 1 COPY TO

NATURAL RESOURCE DEPI

AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: AMOCO PRODUCTION O		Telephone: (505) 326-9200
Address: 200 Amoco Court,		
Facility or Well Name: <u>JICAPILLA</u>	CONTRACT 148	-8
Location: Unit or Qtr/Qtr Sec_F_	Sec 23 T 2	SN RSW County PIO APPIBA
Land Type: RANGE		
Deta Remodiation Started: 2 3.	98	Date Completed: ///z/99
Remediation Method: Landfarmed		Approx. cubic yards /00
Composted		:
Other		
Depth To Groundwater:	(nts.) O	Final Closure Sampling:
		Sampling Date: 1.6.99 Time: 1150
Distance to an Ephemeral Stream	()//a.)	Sample Results:
Distance to Nearest Lake, Playa, or Watering Pond	(pts.)	Field Headspace (ppm) 0.0
Wellhead Protection Area:	(pts.)	TPH (ppm) 10.7 Method 8015
Distance To SurfaceWater:	(pts.)	Other
RANKING SCORE (TOTAL POIN	ITS):	
I HEREBY CERTIFY THAT THE INFO KNOWLEGE AND BELIEF	DRMATION ABOVE	E IS TRUE AND COMPLETE TO THE BEST OF MY
DATE ///2/99	, PRINTED N	NAME Buddy D. Shaw
SIGNATURE Bully 1.	haw	AND TITLE Environmental Coordinator
I ACCORDANCE TO THE JICKNEEN	7111.01.	IATION, ON-SITE REMEDIATION IS APPROVED IN T CLOSURE ORDINANCE.
APPROVED: YES NO	(REASON)	
		: 3-31-99

CLIENT: AMOCO

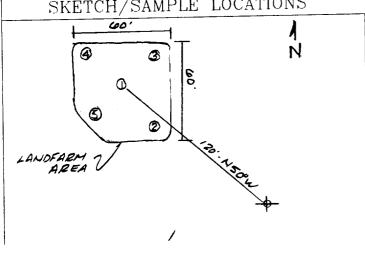
BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413

LOCATION NO: ETS30

rar Na: 4534

		(50	05) 63	32 - 1	199			L.L.L. N	<u>333,</u>
FIELD REPORT:	LAND!					CLOS	URE	VERIFIC	ATION
OCATION: NAME: TVARILLE	CONTRACT	48 WELL	#: 8	P	TS: B	iow		DATE STARTED: DATE FINISHED:	1.6.99
QUAD/UNIT: F SEC: 2.					CN11.	51.		ENVIRONMENTAL SPECIALIST:	REP
SOIL REMEDIATION: REMEDIATION SYS LAND USE:		NOFARM						ARDAGE: _/ _/- 2	00
FIELD NOTES & REMA	RKS:	ST WATER	SOURCE: 2	> 1000	•	NEAREST	SURFACE	WATER: > /	000'
NMOCD RANKING SCORE: O DX YELLOW ORA NO APPARENT STA G" TO 18" TOOK CLOSED	NMOCI	BROWN &	URE STD:	SOOD I COHE: IDLINIO	PPM SIVE SL DEPTH	IGHTLY M S BANGE	OIST, FI FROM	em	
		FIE	LD 418.1	CALCU	JLATION	S			7
SAMP. TIME S	SAMPLE I.D.	LAB No:	WEIGHT (g) mL.	FREON	DILUTION	READING	G CALC. ppm	-
		<u></u>							1

SKETCH/SAMPLE LOCATIONS



OVM	RESULTS
O 4 141	100000

TAD SAMI DEF	LAB	SAMPLES
--------------	-----	---------

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF.I	0.0	LF-1	(8015)	1150	10.7
	 				

SCALE	
0	\mathbf{F}^{γ}

TRAVEL N	IOTES:
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CALLOUT: N/A

1.6.99 ONSITE:



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Blagg / AMOCO	Project #:	04034-10
==	Date Reported:	01-08-99
- - ·	Date Sampled:	01-06-99
	Date Received:	01-07-99
	Date Extracted:	01-08-99
-		01-08-99
		8015 TPH
	Blagg / AMOCO LF - 1 E476 6534 Soil Cool	LF - 1 Date Reported: E476 Date Sampled: 6534 Date Received: Soil Date Extracted: Cool Date Analyzed:

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	9.6	0.2
Diesel Range (C10 - C28)	1.1	0.1
Total Petroleum Hydrocarbons	10.7	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 - 8 Landfarm. 5 Pt. Composite.

Alew L. Gereen

Stacy W Sendler

CHAIN OF CUSTODY RECORD

7.	Cool - Ica/Blue Ice	Mexico 87401 -0615	Farmington, New Mexico 87401 (505) 632-0615				
7	Received Intact	hway 64	5796 U.S. Highway 64				
Z Z				(<u></u>		Ich cocs
æipt	Sample Receipt	CHIOC		1539 - 6535	1 60		
		Received by: (Signature)				ture)	Relinquished by: (Signature)
1.7.99 1100	1.7.	Received by: (Signature)	Y 0011 66/c/1			ture	Relinquished by: (Signature
1/99 000	1/11	Received by (signature)	1/5/9 8700 Rece			/\ ture)	Relinquished by Signature)
le Time	Dat						
-							
1	3000						
BESSERVE	SAMPLE PRESERVE						
POSITE	SPT. COMPOSITE	7	5016	9242	1150	1.6.99	LF-1
		Cor	Sample Matrix	Lab Number	Sample Time	Sample Date	Sample No./
		lo. of ntainers	01-4	04034-10			Sampler: REP
वि	Remarks		SICARILLA CONTRACT 148-8	JICARILLA		300	BLAGG! AMOCO
	AETERS	ANALYSIS / PARAMETERS	ALDFARM	Project Location LALDFARM			Client / Project Name