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

SJ676

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

OF GROOM TO AUG 1 6 1999

# PIT REMEDIATION AND CLOSURE REPORT OF COMMON DIRECTOR OF COMMON DIRECT

	2 dello (2)
Operator: AMOCO PRODUCTION COMPANY	Telephone: (-505) 326-9200
Address: 200 Amoco Court, Farmington, 1	NM 87401
Facility or Well Name:	0 # 146 - 20 0 n-200
Location: Unit or Qtr/Qtr Sec A Sec 4 T2	SN RSW County KIO HRKIBH
Pit Type: Separator Dehydrator Other	
13aid 13170	
I It Incution	Zl', widthZ4', depthZ0'
	other
Footage from reference:	29 Degrees East North X
Direction from reference.	Degrees East North Of South
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	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 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)
11 .	RANKING SCORE (TOTAL POINTS):

		87676	COMPRESSOR PIT
Date Remediation State Remediation Method: Check all appropriate sections)	Excavation  Landfarmed	Date Complete Approx. cubic y	ed:
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility) General Description	Other Offsite  of Remedial Action: _Excava		
Groundwater Encoun	tered: No 🔀 Ye	s Depth	
Final Pit: Closure Sampling: (if multiple samples,	Sample location see Atta	ched Documents	
attach sample results and diagram of sample locations and depths)	Sample depth 18 we Sample date 10/23/98		time <u>/445</u>
		m) <u>Z(.078</u> m) _/57	Benzene (ppb)  Toluene (ppb)  Ethylbenzene (ppb)  Total Xylenes (ppb)
	:: Yes No _X		
KNOWLEGE AND B	ELIEF		OMPLETE TO THE BEST OF MY
TO THE JICARILLA  APPROVED: YES	NO (REASON)	RE ORDINANCE.	IS APPROVED IN ACCORDANCE
	Chia a p	TE: 12-28-	98

BLAGG ENGINEERING P.O. BOX 87, BLOOMFIELD (505) 632-119	, NM 87413 CDC ND: 6321
FIELD REPORT: CLOSURE VERIE	FICATION PAGE NO: 1 of 1
LOCATION: NAME: JIC CONT 146 WELL #: 20 PIT: QUAD/UNIT: A SEC: 4 TWP: Z5N RNG: 5W PM: NM C	CNTY RA ST N M
QTR/FOOTAGE: NE/4 NE/4 CONTRACTOR: PAUL	ENVIRONMENTAL SPECIALIST:
EXCAVATION APPROX. 21 FT. x 24 FT. x 20 FT.  DISPOSAL FACILITY: ONSITE REMED	NATION METHOD: <u>LANDERS</u>
LAND USE: RANGE LEASE: JIC CONT	
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NMOCD PANKING SCORE: O NMOCD TPH CLOSURE STD: 5000 P SOIL AND EXCAVATION DESCRIPTION:	NEAREST SURFACE WATER:
VELLOW ORANGE TAN SILTY SAND, DET TO MOIS  NON COHESIVE, HC ODOR ON ALL SAMPLES	<b>,</b>
	8.1 CALCULATIONS IT (g) mL. FREON DILUTION READING CALC. ppm
SCALE	
O FT	
PIT PERIMETER OVM	PIT PROFILE
OVM RESULTS  SAMPLE   FIELD HEADSPACE   ID	A Zo'.



### EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Cliente	Place / AMOCO	Project #:	04034-10
Client:	Blagg / AMOCO	•	
Sample ID:	Comp. W @ 18'	Date Reported:	10-27-98
Laboratory Number:	E100	Date Sampled:	10-23-98
Chain of Custody No:	6321	Date Received:	10-26-98
Sample Matrix:	Soil	Date Extracted:	10-26-98
Preservative:	Cool	Date Analyzed:	10-26-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	874	0.2
Diesel Range (C10 - C28)	461	0.1
Total Petroleum Hydrocarbons	1,335	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 146 Well 20.

Analyst Waster Walter

Review Jendle



# EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Amoco	Project #:	04034-10
Sample ID:	Comp. W @ 18'	Date Reported:	10-27-98
Laboratory Number:	E100	Date Sampled:	10-23-98
Chain of Custody:	6321	Date Received:	10-26-98
Sample Matrix:	Soil	Date Analyzed:	10-26-98
Preservative:	Cool	Date Extracted:	10-26-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
_	4.4=4	
Benzene	1,170	8.8
Toluene	6,000	8.4
Ethylbenzene	2,070	7.6
p,m-Xylene	7,410	10.8
o-Xylene	4,420	5.2
Total BTEX	21,070	

ND - Parameter not detected at the stated detection limit.

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

References:

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

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

**Comments:** 

Jicarilla Contract 146 Well 20.

Waste Review

# CHAIN OF CUSTODY RECORD

		Cool - Ice/Blue Ice			5	~2-061	Farmington, New Mexico 877 (505) ~2-0615	Farm					
	7	Received Intact			V 64	Highwa	5796 U.S. Highway 64					•	
Z Z	~		<del></del> j-							32	1859 - 1859	ره دمد ه	
	Sample Receipt	Sample		C	5	<b>7</b> 1	ECVIDOTECH I	<b>2</b>					
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67:20	15 TC:0/	<b>M</b>	Scation	7	x (Signat	Received by: (Signature)	Time	Date				Relinquished by: (Signature)	<b>3</b> 0
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				X	X		2011	Z	17/00		10/2364	BION SHO	6
				B1 80			Sample Matrix		Lab Number	Sample Time	Sample Date	Sample No./	
	Homarks	-		H 15 Ex 121	tainers	o. of	ō	04034-16	Client No.		75	Sampler: O. Bless	တ္သ
			ANALYSIS / PARAMETERS			20	1	T. 146	TICHOLD GNT. HE WELL		00	BLAG6/AMOCO	Σ
													7

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

SUBMIT 1 COPY TO

NATURAL RESOURCE DEP1

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: JICARIU	A CONTRACT	146-20			
Location: Unit or Qtr/Qtr Sec_A	Sec_4 T2	SN RSW County BIO ARRIBA			
Land Type: LANGE					
Date Remediation Started: 10 23 98 Date Completed: 5/12/99					
Remediation Method: Landfarmed	<u>~</u>	Approx. cubic yards 1000			
Composted					
Other					
epth To Groundwater:	(pts.) <u>0</u>	Final Closure Sampling:			
Distance to an Ephemeral Stream	(pts.) <u>d</u>	Sampling Date: 5.11.99 Time: 1100			
Distance to Nearest Lake, Playa, or Watering Pond (pts.) 5  Wellhead Protection Area: (pts.) 0  Sample Results:  Field Headspace (ppm) 6.5					
Distance To SurfaceWater: (pts.) O  Other					
RANKING SCORE (TOTAL POIN	TS): <u>0</u>				
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEGE AND BELIEF					
SIGNATURE Buddy D. Shaw  AND TITLE Environmental Coordinator					
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.					
APPROVED: YES NO	(REASON)				
SIGNED:	DATE				

	-	87, BLC	INEERING OMFIELD, 632-1199		LOCATION N	NO: 85676
FIELD REPORT:	LANDFA	RM/COM	POST PILE	CLOSURE		
LOCATION: <u>name: Si<i>car</i></u> quad/unit: A sec: • gtr/fddtage: <b>NE/4</b>	9 TWP: 25~	RNG: 5W	PM: NM CNTY	4	DATE STARTED: DATE FINISHED: ENVIRONMENTAL SPECIALIST:	
SOIL REMEDIATION:  REMEDIATION SY  LAND USE:	STEM: <i>LAND</i>	FARM	_ APPI	ROX. CUBIC Y		000
FIELD NOTES & REMADEPTH TO GROUNDWATER: 2.  NMC:I PANKING SCORE  LT. VELLOWISH BED  LARGE AREA OF STA  HC ODOR DETECTED  G"-18" COLLECTED	NEAREST  NMOCD TPH  NAISAND, NOI  NINING DESCRIPTION  NO A SPT. COM	H CLOSURE ST N COHESIVE, VED IN LANG NG PT. (2)	D. <u>5000</u> PPM SLIGHTLY MO DFARM AREAT SAMPLING	IST, FIRM TI (SEE SKET DEPTHS RAN B ANALYSIS	SCH BFLOW, ILE F <b>LO</b> M	WAS MOY
SAMP. TIME	SAMPLE I.D. LAB	No: WEIGHT	3.1 CALCULATION (g) ml. FREON	DILUTION READIN	IG CALC. ppm	APPROX. 700 c.Y
						-
SKETCH/SAMP  AREA # 2  OS'  LANDEARM AREA # 1  AREA # 1	WED N. B.	A		ULTS  HEADSPACE SAMPLE ID  J. S LF. /	LAB SAMI	E RESULTS



### EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / AMOCO	Project #:	403410
Sample ID:	LF - 1	Date Reported:	05-12-99
Laboratory Number:	F203	Date Sampled:	05-11-99
Chain of Custody No:	6917	Date Received:	05-12-99
Sample Matrix:	Soil	Date Extracted:	05-12-99
Preservative:	Cool	Date Analyzed:	05-12-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.3	0.2
Diesel Range (C10 - C28)	146	0.1
Total Petroleum Hydrocarbons	147	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 146 - 20 Landfarm. 5 Pt. Composite.

Analyst P. Office

Stacy W sendler

# CHAIN OF CUSTODY RECORD

Sample:  Sample No./ Identification  Sample Sample Sample Identification  LF-1  S-1-99 1100  Relinquished by: (Signature)  Relinquished by: (Signature)	
Sample Date  Sal-99  hature)	ENVIROTECH IC
Sample Date  Sample Date  Anature)	
Sample Date  Sall-99  hatture)	
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HOCO Sample Date	F203
SEP AHOCO	Lab Number
SE AHOCO	014804
ES AHOCO	Client No.
ACL Name	JICARILLA CONTRACT
and Alama	Project Location LANDFARM