Blow 87518 Sep - 04

JICARILLA APACHE TRIBE

DETUTION OFFICE

POY 507

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

001 0 8 1936

P.O. BOX 507 **DULCE, NEW MEXICO 87528**

PIT REMEDIATION AND CLOSURE REPORT 2 4 1999

	Out Gold by W
Operator: AMOCO PRODUCTION COMPANY	Telephone: 605)326-9200
Address: 200 Amoco Court, Farmington,	NM 87401
Facility or Well Name: TICARILLA CONTRAC	
Location: Unit or Qtr/Qtr Sec_ I Sec_ 14 T	ZSN R5ω County R10 ARRISA
Pit Type: Separator Dehydrator Other	
Land Type: RANGE	
Pit Location: Pit dimensions: length_	25'_, width_ 20', depth_ 15'
(Attach diagram) Reference: wellhead X,	other
Footage from reference: 16	ss'
Direction from reference:	Bast North Of 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)
h	RANKING SCORE (TOTAL POINTS):

	BISIS BLOW PIT
11 d' - Sta	rted: Date Completed: \ \ \ \ \ \ \ \ \ \ \ \ \
Date Remediation Sta	175
rediation Method:	DACATALON
k all appropriate secuous)	Landranned
	Other
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)	
General Description	of Remedial Action: Excavation.
Groundwater Encoun	tered: No X Yes Depth
	Sample location see Attached Documents
Final Pit: Closure Sampling:	Sample locationsee Accuerce 25
(if multiple samples, attach sample results	Sample depth 181 (PIT BOTTOM)
and diagram of sample	Sample depth 18 (FT SSTSM)
locations and depths)	Sample date 1/22/98 Sample time 1200
	Sample Results
lı	Soil: Benzene (ppm) Water: Benzene (ppb)
	Total BTEX (ppm) Toluene (ppb)
	Field Headspace (ppm) Ethylbenzene (ppb)
	TPH (ppm) ND Total Xylenes (ppb)
Groundwater Sample	
I HEREBY CERTIF KNOWLEGE AND I	Y THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY BELIEF
DATE	PRINTED NAME Buddy D. Shaw
\mathbb{I} \mathcal{Q} (Oly D. Show AND TITLE Environmental Coordinator
AFTER REVIEW O TO THE JICARILL	F THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE A APACHE TRIBE PIT CLOSURE ORDINANCE.
APPROVED: YES	NO (REASON)
	(7) Can DATE: 2-6-98

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 CLIENT: AMOCO BLAGG ENGINEERING, INC. C.O.C. NO. 570	09
FIELD REPORT: CLOSURE VERIFICATION PAGE NO: _/ of LOCATION: NAME: JICH . CONTR. 148 WELL #: Z PIT: BLOW DATE STARTED: //22/9 DATE STARTED: //22/9 DATE FINISHED:	98
EXCAVATION APPROX. Z5 FT. x Z0 FT. x 15 FT. DEEP. CUBIC YARDAGE: 175 DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED LAND USE: RANGE LEASE: JCB, 148 FORMATION: PC FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 165 FT. 5/3 FROM WEL DEPTH TO GRUUNDWATER: >100' NEAPEST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000 DEPTH TO GRUUNDWATER: >100' NEAPEST WATER SOURCE: >1000' PPM PIT ABANDONED	LHEAD.
DEPTH TO GROUNDWATER: NECESSARY STOP STOP DEPTH TO GROUNDWATER: NUMBER STOP STOP STOP DESCRIPTION: STEEL TANK INSTALL STOP AND TO SILTY SAND NOW COMESING SUBSTITUTE OF THE DUM SAMPLES OF THE DUM SAMPLES	STALLED
FIELD 4181 CALCULATIONS TIME SAMPLE I.D. LAB No: WEIGHT (g) mL. FREON DILUTION READING CALCULATIONS SCALE	
O FT PIT PERIMETER A RESULTS SAMPLE FIELD HEADSPACE PID (ppm) 1 © 12' 0.0 2 © 11' 0.0 3 © 11' 0.0	A'
A B SAMPLES SAMPLE ANALYSIS TIME	
TRAVEL NOTES: CALLOUT: NA ONSITE 1/22/98-marn.	



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative:	Blagg / AMOCO 5 @ 18' C834 5709 Soil Cool	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Needed:	04034-10 01-23-98 01-22-98 01-23-98 01-23-98 01-23-98 TPH-418.1
Condition:	Cool and Intact	Analysis Needed:	1PH-418.1

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

Total Petroleum Hydrocarbons

ND

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 148-2 Blow Pit.

Analyst Queen

Review Stacy W Sandler

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

PIT REMEDIATION AND CLOSURE REPORT

·	
Operator: AMOCO PRODUCTION COMPANY	Telephone: (505)326-9200
Address: 200 Amoco Court, Farmington, N	м 87401
Facility or Well Name: JICARILLA CONTRACT	148 - 2
Location: Unit or Qtr/Qtr Sec I Sec 14 TZ5	SN RSW County KIO AKICISH
Pit Type: Separator X Dehydrator Other	
Land Type: RANGE	
Pit Location: Pit dimensions: length	10', width_ 38', depth_ 30'
	other
Footage from reference:	
Direction from reference: 3	Degrees X East North A
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 dynastic water source, or; less than	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)
li .	RANKING SCORE (TOTAL POINTS):

		8121 <u>8</u>	SEP, PIT
Date Remediation Star Praediation Method: k all appropriate	Landfarmed	Approx. cubic yards Insitu Bioremediation	1/23/98 1,200
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) General Description of			
Groundwater Encount	ered: No <u>X</u> Yes	Depth	
Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)	Sample locationsee Attached Do Sample depth33 /	Sample time Water: Be	enzene (ppb)
	Field Headspace (ppm) O. TPH (ppm) 6.6	0 E	thylbenzene (ppb) otal Xylenes (ppb)
Groundwater Sample			
I HEREBY CERTIFY KNOWLEGE AND I			
SIGNATURE SIGNATURE SIGNATURE OF THE HEARILL	PRINTED NAME OF THE PIT CLOSURE INFORMATION, A APACHE TRIBE PIT CLOSURE ORD	Environmen PIT CLOSURE IS A	tal Coordinator
11	X NO (REASON)		

CLIENT: AMOCO	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 LOCATION NO: 83518 C.D.C. NO: 5709
QUAD/UNIT: I SEC: 1	RT: CLOSURE VERIFICATION PAGE NO: _/ of _/ STATE OF _/ TWP: ZSA RNG: SW PM: NM CNTY: RA ST: NM SELY CONTRACTOR: P + S
DISPOSAL FACILITY: LAND USE: RANGE	RKS: PIT LOCATED APPROXIMATELY 80 FT. N3E FROM WELLHEAD.
DEPTH TO GRUUNDWATER: > 1 NMOCD RANKING SCORE: - 3 SOIL AND EXCAVAT	NMOCD TPH CLOSURE STD: 5000 PPM ON DESCRIPTION: CHECK UNL: PIT ABANDONED STEEL TANK INSTALLED FIBERGLASS TANK INSTALLED
FIRM NO APPRICATION CLOSED	TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DILUTION READING CALC. ppm
SCALE O FT PIT PERI	OVM PIT PROFILE RESULTS SAMPLE FIELD HEADSPACE A 38' A'
9 3 NATA	38' LAB SAMPLES SAM
TRAVEL NOTES: CALL	ONSITE: 1/22/98-morn.



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative:	Blagg / AMOCO 5 @ 33' C833 5709 Soil Cool	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Needed:	04034-10 01-23-98 01-22-98 01-23-98 01-23-98 01-23-98 TPH-418.1
Condition:	Cool and Intact	Analysis Needed.	1711-410.1

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

Total Petroleum Hydrocarbons

6.4

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 148-2 Separator Pit.

Deur L. Queron

Stacy W Sendler

Relinquished by: (Signature)	Relinquished by: (Signature)	Relinquished by: (Signature)							(5)@18' 1/22/981200	(5) e 33' 1/22/98 1115	Sample No./ Sample Sample Identification Date Time	Sampler: (Signature) Plethon (LL)	SURGE! Amoco	Client/Project Name	
									C834	C833	Lab Number	Chain of Custody Lape	JKARINA CON	Project Location	C
			samples,						5012	5012	Sample Matrix	NO.	-841		CHAIN OF CUSTODY RECORD
Received by: (Signature)	Received by: (Signature)	Received by: (Signature)	cook d	S					~	\ \ \	TH	747		ANALYSI	ODY RECORD
		Date Tim	MACT DUM						BLOW PIT	SEPARATOR PIT	MESERV COOL	Remarks		S/PARAMETERS	
	Received by: (Signature)		Date Time Received by: (Signature) //23/98 07/0 Received by: (Signature) Received by: (Signature)	Date Time Received by: (Signature) 1/23/98 0710 Received by: (Signature) Received by: (Signature) Pate 1-23-9f 1-	Date Time Received by: (Signature) Date Time Received by: (Signature) Date 1/23/48 0710 Received by: (Signature) Received by: (Signature)	Date Time Received by: (Signature) 1/23/98 0710 Received by: (Signature) -23-9f-	Date Time Received by: (Signature) Date Time Received by: (Signature) Paceived by: (Signature) Received by: (Signature) Received by: (Signature)	Standues Received by: (Signature) Paceived by: (Signature) Received by: (Signature) Received by: (Signature) Received by: (Signature)	Date Time Received by: (Signature) Date Time Received by: (Signature) Received by: (Signature) Received by: (Signature)	1/22/98/1200 CS34 SO/L 1 V SAMPLES RECEIVED COOL J INTO DUMP Date Time Received by: (Signature) PT Public Page PT Public PT PT PT PT PT PT PT P	C 33 1/22/98 1/15 C 233 SCIL	Sample Sample Sample Lab Number Matrix Sample RESERV CR 33 1/22/98 1/5 CR 33 SOIL 1 1 SEPARTOR P.		## SURGE! Hr OCO TICAR CLATROCT 148 - Z. ### Sumple No. Sample No. Sample S	Project Location The Art Last Couling Title

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

BJ5/8
SUBAIT 1 COPY TO
NATURAL RESOURCE DEFI
AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: AMOCO PRODUCTION CO	Farmington, NM 87401
200 Amoro Court, F	Farmington, NM 87401
TIMPILA C	CONTRACT 148-2
Facility or Well Name:	Sec_14 T_25N R_5N' County_ E10 ARRIGA
Land Type:	1/17/99
Date Remediation Started: / 22 4	Date Completed: 1/12/99 Approx. cubic yards
Remediation Method: Landfarmed _	Approx. cubic yards
Composted _	
Other	
oth To Groundwater:	(pts.) O Final Closure Sampling:
Distance to an Ephemeral Stream	
. N I aka Dlava	Sample Results:
or Watering Pond	(pts.) Field Headspace (ppm) 0.0
Welliead I forection 122	(pts.) 0 TPH (ppm) 6.8 Method 8015
Distance To SurfaceWater:	(pts.) Other
RANKING SCORE (TOTAL POINT	I'S): O THE REST OF MY
I HEREBY CERTIFY THAT THE INFORMATION OF THE INFORM	RMATION ABOVE IS THE EAST
1/12/99	PRINTED NAME Buddy D. Shaw
SIGNATURE Bully S. S.	AND TITLE Environmental coordinates
	DIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN APACHE TRIBE PIT CLOSURE ORDINANCE.
ACCORDANCE TO THE JICARILLA A	(REASON)
APPROVED: YES NO	
SIGNED:	DATE: 3-31-99

CLIENT: AMOCO

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199

LOCATION NO: BJ518

C.O.C. NO: 4538

		LANDFARM/COMPOST	תווט	CLOSURE	VERIFICATION
A terrer	$DFD \cap PT$	LANDFARM/COMPOST	PLLL	CLOSOIL	\ B1011 1
F I Γ Γ Γ Γ	KELOILI.	111111111111111111111111111111111111111			7.90

DATE STARTED: 1 7.99 LOCATION: NAME: JICAPILLA CONTRACT 148 WELL #: 2 PITS: SEP. 1 BLOW DATE FINISHED: 1/12/99 QUAD/UNIT: / SEC: 14 TWP: 25N RNG: SW PM: NM CNTY: RA ST: NM ENVIRONMENTAL SPECIALIST: CONTRACTOR: QTR/FOOTAGE: NE/4 SE/4

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: Z75

RANGE LAND USE:

LIFT DEPTH (ft): 2'

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOCD RANKING SCORE: O NMOCD TPH CLOSURE STD: 5000 PPM

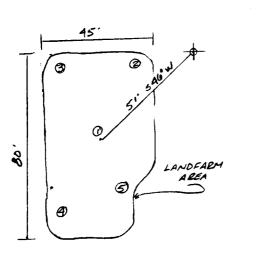
DK. YELLOW ORANGE TO LT. BROWN BAND. NON CONESIVE, SLIGHTLY MOIST, FIRM NO STAINING O BSERVED, NO H.C. ODDR DETECTED SAMPLING DEPTHS RANGE FROM G'TO 18" TOOK A SPT COMPOSITE SAMPLE FOR LAB ANALYSIS



FIELD 418.1 CALCULATIONS

_		FI	ELD 418.1 C	ALCULATION	S			
SAMP. TIME	SAMPLE 1.0.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC.	ppm
					 			
			 					
		L						

SKETCH/SAMPLE LOCATIONS



OVM RESULTS LAB SAMPLES

OVM]	RESULTS	1	AD OF	71011 T	,
SAMPLE	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF - 1	0.0	LF.1	18015	1130	6.8
27				ļ	
				ļ	
					<u> </u>
				ļ	
				<u> </u>	

SCALE FT

1.7.99 ONSITE: TRAVEL NOTES: CALLOUT: N/A



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	01-11-99
Laboratory Number:	E483	Date Sampled:	01-07-99
Chain of Custody No:	6538	Date Received:	01-08-99
Sample Matrix:	Soil	Date Extracted:	01-11-99
•	Cool	Date Analyzed:	01-11-99
Preservative: Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	5.3	0.2
Diesel Range (C10 - C28)	1.5	0.1
Total Petroleum Hydrocarbons	6.8	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 - 2 Landfarm. 5 Pt. Composite.

Analyst

Stacy W Sendler

CHAIN OF CUSTODY RECORD

 \	Cool - Ice/Blue Ice	-0615	Farmington, New Mexico 87401 (505) 632-0615				-
1	Received Intact	ghway 64	5796 U.S. Highway 64				
Y N NA				•	•	(Ky was
æipt	Sample Receipt			0	126-150	3	
		Received by: (Signature)	Rece			lure)	Relinquished by: (Signature)
		Received by: (Signature)				ure)	Relinquished by: (Signature)
1, 9,99 0 +31~	/, p.s	Received by (Signature)	Date Time Rece			ure)	Relinquished by (Signature)
-							7
	car						
BELLE	SAHRIE POESENE						
					,		
8176	SPT. COMPOSITE	7	SOIL	E483	1130	1.7.99 1130	15-1
		1	Sample Matrix	Lab Number	Sample Time	Sample Date	Sample No./
-		o. of tainers	01-12010	OF.			Sampler: PEP
डि	Remarks		SICARICUS CORTERO FILO F	JENE CLE			order un
	IETERS	ANALYSIS / PARAMETERS	WITCHT IAR- 2	Project Location CANTONIA I		070	Client / Project Name
			LA VICTORY				