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

JICARILLA APACHE TRIBE Blow I OK SUBMIT 1 COPY TO SUBMIT 1 COPY TO NATURAL RESOURCE DEPT

PIT REMEDIATION AND CLOSURE REPORT COM. DIV.

Operator: AMOCO PRODUCTION COMPANY	Telephone : (505)326-9200
Address: 200 Amoco Court, Farmington,	NM 87401
Facility or Well Name: JICAPILLA APACHE	102 # 7
Location: Unit or Qtr/Qtr Sec 6 Sec 3 T	26 P R 4 W County RIO ARRIBA
Pit Type: Separator Dehydrator Other	Blow
Land Type: RANGE	
Pit Location: Pit dimensions: length (Attach diagram)	40', width 40', depth 25'
	, other
Footage from reference:	190
	PS Degrees East North
Direction from reference.	of
	west South 4
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)
	RANKING SCORE (TOTAL POINTS):

		Date Completed:	8.21.86
Date Remediation Sta		Approx. cubic yards	
mediation Method:	Excavation X		1
sections)	Landfarmed <u>V</u>	Insitu Bioremediation	
	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	-
Final Pit: Closure Sampling: (if multiple samples,	Sample location see Attached D		
attach sample results and diagram of sample	Sample depth26 '		
locations and depths)	Sample date 8 - 21 - 96	Sample time	
	Sample Results		
1	Soil: Benzene (ppm)	Water: Benzer	ne (ppb)
	Total BTEX (ppm)		e (ppb)
	Field Headspace (ppm)		enzene (ppb)
	ТРН (ppm) <u>-</u>	Total >	Kylenes (ppb)
Groundwater Sample	e: Yes No (If	yes, attach sample result	s)
I HEREBY CERTIFY KNOWLEGE AND I	Y THAT THE INFORMATION ABOVE BELIEF	IS TRUE AND COMPLE	TE TO THE BEST OF MY
DATE	P. 21-96 PRINTED NAM	ME Buddy D. Shaw	
SIGNATURE BUS	Ely D. Shaw AND TITLE	_ 11_1	Coordinator
APPED DEVIEW O	F THE PIT CLOSURE INFORMATION, A APACHE TRIBE PIT CLOSURE ORI	PIT CLOSURE IS APPR DINANCE.	OVED IN ACCORDANCE
APPROVED: YES	NO (REASON)		
SIGNED: VOS	Mann DATE:	8-21-96	

LOCATION NO: 85415 BLAGG ENGINEERING, INC. CLIENT: Amo 6 P.O. BOX 87, BLOOMFIELD, NM 87413 C.D.C. NB: ____ (505) 632-1199FIELD REPORT: PIT CLOSURE VERIFICATION DATE STARTED: 8-21-96 LOCATION: JICAPILLA MACHE LOZ #7 PIT TYPE: BLOW DATE FINISHED: _ QUAD/UNIT: 6 SEC: 3 TWP: 26 N RNG: 4 W BM: NM CNTY: RA ST: NM ENVIRONMENTAL CONTRACTOR: PAUL SPECIALIST: OTR/FOOTAGE: SW/NE EXCAVATION APPROX. 40 FT. x 40 FT. x 25 FT. DEEP. CUBIC YARDS: 1500 DISPOSAL FACILITY: ON SITE REMEDIATION METHOD: LANDERS LAND USE: _____ FORMATION: _ FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 190 FEET 580 FROM WELLHEAD.

DEPTH TO GROUNDWATER: 7100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000 NMOCD RANKING SCORE: O NMOCD TPH CLOSURE STD: 5000 PPM SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ______ABMINOTED SOIL CONSISTS OF MOIST, BROWN, CLAYEY, SHULY - SILT, NO STAIN, NO ODOR. Cross FIELD 418.1 CALCULATIONS WEIGHT (g) mL. FREON DILUTION READING CALC. ppm SAMPLE I.D. LAB No: 34 68 20.0 1792 100 CB@ 26' SCALE O 60 20FT OVM PIT PROFILE PIT PERIMETER RESULTS FIELD HEADSPACE PID (ppm) SAMPLE N 1 NJ - 20' ES-20' 3 22-18 4 WS - 18' 5 CB - 26 WELL LAB SAMPLES RAMP Suppace V GRANDUT ONSITE: 8.21-16 1215 CALLOUT: _____ 8- 19- 96 TRAVEL NOTES:

FORM REVISED 7/95

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Amoco

Project #:

Sample ID:

Center Bottom @ 26' Jicarilla Apache 102 # 7 8-21-96

Project Location: Laboratory Number:

Petroleum Hydrocarbons

TPH #1792

Date Reported: Sample Matrix:

1,344

Date Analyzed:

8-22-96 Soil

%

*Diff.

5

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable	68	10

ND = Not Detectable at stated detection limits.

QA/QC:

Duplicate QA/QC Sample TPH mg/kg TPH mg/kg 1,420

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Blow Pit - BJ415

R. F. O'Vell Analyst

Melson Vily 11/4/96 Review

^{*}Administrative Acceptance limits set at 30%.

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Amoco

Client:

Center Bottom @ 26'

Sample ID: Project Location:

Jicarilla Apache 102 # 7

Laboratory Number:

TPH #1792

Project #:

Date Analyzed: Date Reported: 8-21-96

8-22-96

Soil Sample Matrix:

Sample Weight: Volume Freon:

10.00 grams 20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

34 mg/kg

TPH Result: Reported TPH Result: **Actual Detection Limit:** Reported Detection Limit 68.0 mg/kg 68.0 mg/kg

10.0 mg/kg 10 mg/kg

QA/QC:

Original TPH mg/kg Duplicate TPH mg/kg

% Diff.

1420

1344

5

Comments:

Comments:

Blow Pit - BJ415

KU4/5

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY	Telephone: (505)326-9200
Address: 200 Amoco Court, Farmington, 1	NM 87401
Facility or Well Name: TICARILLA APACHE	£ 107 #7
Location: Unit or Qtr/Qtr Sec 6 Sec 3 TZ	CON R 4W County RIO ARRIBA
Pit Type: Separator Dehydrator Other	BLOW (I)
Land Type: RANGE	
 	NA, width NA, depth NA
	other
Footage from reference:/	
Direction from reference:	Degrees East North
	West 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, in rigation canals and ditches)	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
	RANKING SCORE (TOTAL POINTS):

BT415 BLOW (II) PIT Date Remediation Started: ______ Date Completed: ______9/16/96 Approx. cubic yards _____ Excavation X nediation Method: eck all appropriate Insitu Bioremediation _____ Landfarmed _____ sections) Other CLOSE AS 15. Remediation Location: Onsite X Offsite (i.e. landfarmed onsite, name and location of offsite facility) General Description of Remedial Action: Exervation NONE. CHECKED AS 15. No <u>×</u> Yes ____ Depth _____ Groundwater Encountered: Sample location <u>see Attached Documents</u> Final Pit: Closure Sampling: (if multiple samples, attach sample results Sample depth Z and diagram of sample Sample date 9/16/96 Sample time 11/5locations and depths) Sample Results (ppm) _____ Water: Benzene (ppb) _____ Soil: Benzene (ppb) _____ Toluene Total BTEX (ppm) _____ (ppb) _____ Field Headspace (ppm) 0.0 Ethylbenzene (ppm) 32 (ppb) _____ Total Xylenes TPH Groundwater Sample: Yes _____ No __ (If yes, attach sample results) I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEGE AND BELIEF 9/16/96 PRINTED NAME Buddy D. Shaw DATE Environmental Coordinator AND TITLE AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE. APPROVED: YES X NO (REASON)

CLIENT: <u>AMOCO</u>	P.O. BOX 87	ENGINEE , BLOOMF 505) 632-	ELD, N	NC. M 87413	.		<u>R</u> T415
FIELD REPOR	RT: CLOS	URE VE	RIFIC.	ATION	PAGE	No:	_ of/_
LOCATION: NAME:TICARILLE QUAD/UNIT: & SEC: QTR/FUUTAGE: SW/4	3 TWP: 260 R	NG: 4ω PM:	UM CNTY	N (II) RA ST: NM	DATE F	TARTED: 2 INISHED: _ IMENTAL IST:	
				p CIIRI	C YARI)AGE:	NA
EXCAVATION APPROX	0N-51TE	R	EMEDIATIO	N METH	OD: <u>CL</u>	OSE A	5 /5.
FIELD NOTES & REMAI	RKS: PIT LOCA	TED APPROXIM	ATELY _/	90 FT.	SSW	FROM	WELLHEAD.
					CHE	CK DNE	 r
NMDCD RANKING SCORE:			20. 6181		✓PIT #	ABANDON	ED
SOIL AND EXCAVATION				L			INSTALLED
OK. YELL. BROWN TO DUSKY RED SAND NON-COHESIVE SLIGHTLY MOIST FIRM, NO APPARENT HC DOOR IN OUM SAMPLE NO VISIBLE HC STAIMING OR ODOR ANYWHERE IN A AROUND PIT HREA. I APPARENTLY USED DURING DRILLING OF WELL AS A FLARE PIT, VISIBLE SIGNS INDICATE BAKING OF SOIL AROUND BERMED AREA.							
(CLUSED)		5151	D 418.1 CAL	CHI ATITINS			
	TIME SAMPLE	I.D. LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
SCALE	1115 002		-	20	<i>j:</i> [8	32
SCALE							
O FT		OVM	<u> </u>	חום	םם יו	OFILE	
PIT PERIM	IETER 🖊 N	RESULT		PI	l PK	OFILE	
IS DE TO THE A LEVEL WITH GROWN OF SWEEKE	H Been 23 4 5 There	SAMPLE FIELD H PIO		NOT	2 PPL	.1 CB & L	£
TRAVEL NOTES: CALLOU	T: 9/16/96 1	moRN. 0	NSITE:	16/96	MORS	٧	

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

AMOCO

Project #:

Sample ID:

1 @ 2'

Date Analyzed: Date Reported: 09-16-96

Project Location: Laboratory Number: Jicarilla Apache 102 – 7 TPH-1821

Sample Matrix:

09-16-96 Soil

20

		Detection
Parameter	Result, mg/kg	Limit, mg/kg
Total Recoverable		

32

Petroleum Hydrocarbons

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
		-
1420	1344	5.50

^{*}Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Blow (II) Pit - BJ415

hyet Re

P. F. O Viell

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Jicarilla Apache 102 - 7

Client:

AMOCO

Sample ID:

1 @ 2'

Project #:

Project Location:

Date Analyzed: Date Reported: 09-16-96 09-16-96

Laboratory Number:

TPH-1821

Sample Matrix:

Soil

Sample Weight:

5.00 grams 20.00 mL

Volume Freon: Dilution Factor:

1 (unitless)

TPH Reading:

8 mg/kg

TPH Result:

32.0 mg/kg

Reported TPH Result:

32 mg/kg

Actual Detection Limit: Reported Detection Limit: 20.0 mg/kg 20 mg/kg

QA/QC:

Original TPH mg/kg

Duplicate TPH mg/kg

% Diff.

1420

1344

5.50

Comments:

Comments:

Blow (II) Pit - BJ415

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

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

PIT REMEDIATION AND CLOSURE REPORT

		(EOE) 226 0200
Operator: AMOCO PRODUCTION COMPANY	Telephone:	(505)326-9200
Address: 200 Amoco Court, Farmington,		
Facility or Well Name: JICARILLA APACHE	= 102 #7	
Location: Unit or Qtr/Qtr Sec_6 Sec_3 T_	26 P R4W County Rlo	MERIBA
Pit Type: Separator X Dehydrator Other		
(August diagram)	25', width 25',	
Reference: wellnead X Footage from reference:	, other	
Footage from reference:	Degrees X East of	North
Direction from reference.	of West	South
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)		(20 points) (10 points) (0 points)
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet Greater than 100 feet	(10 points) (0 points)
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet Greater than 100 feet	(10 points) (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 No	(20 points) (0 points)
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)
·	RANKING SCORE (TOTAL	POINTS): O

	Date Completed: 8.21.96
Date Remediation Started:	Approx. cubic yards370
mediation Method: Excavation X	
sections) Landfarmed V	Insitu Bioremediation
Other	
Remealation Education	
(i.e. landfarmed onsite, name and location of	
offsite facility)	on to beproche bottom
General Description of Remedial Action: Excavation	
Groundwater Encountered: No X Yes	Depth
Final Pit: Sample location see Attache Closure Sampling:	d Documents
(if multiple samples, attach sample results	
and diagram of sample Sample depth	
Sample Results	Water: Benzene (ppb)
ii —	
Field Headspace (ppm)	
TPH (ppm)	Total Xylenes (ppb)
Groundwater Sample: Yes NoX	(If yes, attach sample results)
I HEREBY CERTIFY THAT THE INFORMATION ABO KNOWLEGE AND BELIEF	OVE IS TRUE AND COMPLETE TO THE BEST OF MY
DATE 8. 21- 96, PRINTED	NAME Buddy D. Shaw
ROAN AND ONE	numinomental Coordinator
A YEAR DEVIEW OF THE DIT CLOSURE INFORMATI	ON. PIT CLOSURE IS APPROVED IN ACCORDANCE
TO THE JICARILLA APACHE TRIBE PIT CLOSURE	ORDINANCE.
APPROVED: YES X NO (REASON)	
SIGNED: Par Manuel DATE	: 8-Q1-96

CLIENT: Amo Co	P.O. BOX 87,	ENGINEERIN BLOOMFIELI 05) 632-11	D, NM 87413	C.D.C. ND:
FIELD	REPORT: F	PIT CLOSURE	E VERIFICATI	
LOCATION: JICARILLA	APACHE 102 #	7 PIT TYPE	E: SEPARATOR	DATE STARTED: 8.21.96 DATE FINISHED:
QUAD/UNIT: 6 SEC: 3	TWP: 20 P RNG: 7	CONTRACTOR:	PAUL	ENVIRONMENTAL PW
FXCAVATION APPROX.	25 FT. x 25	_ FT. × 6_ _ F	T. DEEP. CUB	IC YARDS: 370
DISPOSAL FACILITY:	ON SITE	RE # 102	MEDIATION METHO:	D:
FIFID NOTES & REMAR	SKS. DIT LOCATED	APPROXIMATELY	135 FEET A	JISE FROM WELLHEAD.
DEPTH TO GROUNDWATER: _>!	NEAREST WATER	SDURCE: >1003	NEAREST SURFAC	CE WATER:
NMDCD RANKING SCORE:	2 NMOCD TPH CLOS	TURE STD: 5000 PF	ARANDONED.	
SOIL AND EXCAVATION	DESCRIPTION: PI	T DISPOSITION:	Tame RAINWARD	IN ALT BOTTOM.
PIT EXCAUNTED TO	SANDAWE SEC	m between	No tell fur	DUE TO SAMSTONE.
NO STAW OR ODGE	in the lynn	्ह, ∙ह,		
SOIL CONSISTS OF	moist, brown, si	ity- sad,		
7010		D 418.1 CALCULATI	S	BED Rock
SAMPLE	I.D. LAB No: WEIGH	IT (g) mL. FREON	DILUTION READING CA	LC. ppm
ws@	10' 1793 10.	0 20.0	1 10	20
SCALE				
0 5 19FT PIT PERIM	METER	OVM RESULTS	PIT	PROFILE
	4	SAMPLE FIELD HEAD! ID PID (pp	SPACE m)	
TOE OF	N 7 11	JS-10' 1 ZS-10' 2		
0	4 1	15-10' 1 15-10' 1		
	5			•
enp (4)				
				16
0	O Auto	LAB SAMPLE	\$ 77	BEDROCH
PANA				
· To /				
TO AVEL NOTES:	JT: 8.19.96	ONSIT	E: 8.21.96	1130
TRAVEL NOTES. CALLOL	JI: _ <u> </u>	ONSII	<u></u>	FORM REVISED 7/95

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Sample ID:

Project Location:

Laboratory Number:

Amoco

West Side @ 10'

Jicarilla Apache 102 # 7

TPH #1793

Project #:

Date Analyzed:
Date Reported:

8-21-96 8-22-96

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg	
Total Recoverable Petroleum Hydrocarbons	20	10	

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg

1.420

Duplicate TPH mg/kg

1,344

% *D:#

*Diff.

5

*Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Separator Pit - BJ415

R. F. O THERE

Mon Vel 1/4/96 Review

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Client: Amoco Project #:

Sample ID: West Side @ 10' Date Analyzed: 8-21-96
Project Location: Jicarilla Apache 102 # 7
Laboratory Number: TPH #1793 Date Reported: 8-22-96
Sample Matrix: Soil

Sample Weight: 10.00 grams Volume Freon: 20.00 mL

Dilution Factor: 1 (unitless) TPH Reading: 10 mg/kg

TPH Result: 20.0 mg/kg
Reported TPH Result: 20.0 mg/kg
Actual Detection Limit: 10.0 mg/kg
Reported Detection Limit 10 mg/kg

Comments: Separator Pit - BJ415

BJ415

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

		(505) 326-9200		
Operator: AMOCO PRODUCTION C		Telephone: (505) 326-9200		
Address: 200 Amoco Court,	Farmington,	NM 87401		
Facility or Well Name:	ARILLA HYAC	HE HID ARRIBA		
Location: Unit or Qtr/Qtr Sec 5	Sec3 T_26	SN R4W County R10 ARRIBA		
Land Type: RANGE				
Data Remodiation Started: 8	121/96	Date Completed: 7/14/98		
Remediation Method: Landfarmed		Approx. cubic yards 1,875		
Composted				
Other				
	(pts.)	Final Closure Sampling:		
- ^	(pts.)	Sampling Date: 7/13/98 Time: //15		
Distance to an Ephemeral Stream	-	Sample Results:		
Distance to Nearest Lake, Playa, or Watering Pond	(pts.)	Field Headspace (ppm) 0.0		
Wellhead Protection Area:		(,,,,,,,) 4.5 Method 8013		
Distance To SurfaceWater:	(pts.)	Other ZND SAMPLE OUM = 0.0 ppm		
Wellhead Protection Area. Distance To SurfaceWater: (pts.) Other Znd SAMPLE OUM = 0.0 ppm Other 1 to SAMPLE OUM = 7.5 ppm The sample oum = 7.5				
I HEREBY CERTIFY THAT THE INFO KNOWLEGE AND BELIEF	ORMATION ABOV			
DATE SIGNATURE SIGNA				
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) & Book July J				
SIGNED: Kee-Conco		TE:		

TNT:	AMOCO
 INII	

-Z SAMPLE

PT. DESIGNATION

TRAVEL NOTES:

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

P.O. BOX 87, BLOOMFIELD, NM 87413 C.D.C. ND: 6095 (505) 632-1199
FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION
LOCATION: NAME: JICP. APACHE 102 WELL #: 7 PITS: SEP. BLOW DATE STARTED: 7/13/98
QUAD/UNIT: G SEC: 3 TWP: 260 RNG: 700 PM: NM CNTY: RA ST: NM ENVIRONMENTAL NV SPECIALIST: NV
QTR/FOOTAGE: 5WH NELY CONTRACTOR: P&S SPECIALIST:
SOIL REMEDIATION:
REMEDIATION SYSTEM: LANDFARM APPROX. CUBIC YARDAGE: 1870
LAND USE: RANGE LIFT DEPTH (ft): 2'-3'
FIELD NOTES & REMARKS: DEPTH TO GROUNDWATER: 3/00' NEAREST WATER SOURCE: 3/000' NEAREST SURFACE WATER: 3/000'
NMOCD RANKING SCORE O NMOCD TPH CLOSURE STD: 5000 PPM
NMOCD RANKING SCORE: O NMOCD TPH CLOSURE STD: 5000 PPM SOIL CONSISTED OF DK YELL BROWN SAND TO SILTY SAND, NON COHESIVE, SLIGHTLY MUIST, FIRM, SAMPLING DEPTHS KANGE FROM I' TO Z/Z, NO DISCOLORATION OR HE ODOR OBSERVED B MAY OF THE SAMPLING PTS. WILLIAMS FIELD SERVICE (WFS, HE ODOR OBSERVED B MAY OF THE SAMPLING POLITION OF AMOCO'S LANDFROM RECTATLY LANDFARMED DEAT PIT SOILS ON LARGE POLITION OF AMOCO'S LANDFROM RECTATLY LANDFARMED DEAT PIT SOILS ON LARGE POLITION OF SECOLORATION NOTICED,
MUIST, FIRM, SAMPLING DEPTHS RANGE FROM PTS. WILLIAMS FIELD SELVICE (WFS)
HE ODOR OBSERVED & MAY OF SOILS ON LARGE POLITION OF AMOCO'S LANDFROM RECENTLY LANDFARMED DENT PIT SOILS ON LARGE POLITION OF AMOCO'S LANDFROM RECED, (SEE TRETCH RELOW) SAMPLED SOIL BELOW WES WI NO WISIBLE DISCOLORATION NOTICED, COLLECTED 5 PT. COMPOSITE SAMPLES FOR LAB ANALYSIS.
(SEE TRETCH ACLOW) SAMPLED SOIL BELOW WIS WINDLYSIS.
SAMP. TIME SAMPLE I.D. LAB No: WEIGHT (g) ML. FREON DILUTION READING CALC. ppm
SAMP. TIME SAMPLE I.D. DAD NO. WEIGHT (3)
SKETCH/SAMPLE LOCATIONS (2)
SAMPLE PT. FROM WELL HEAD
OVM RESULTS LAB SAMPLES
ZIO 58 HW SOLD IN THE RESULTS
From well HEAD (A) (A) (B) (D) PID (ppm) ID TPH)
7PH 1 12PD 75
123' LF-2 0.0 LF-2 (85)5 1200 1.3
5 B GO SHADED
LANDFORTH INDICATE
96 B B CREENED DE WILLIAMS
FIELD SERVICE LANDFAKM
PMOCO'S SCALE

LANDFARM

NA

CALLOUT:

FT

ONSITE:

7/13/98



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 D610 6095 Soil Cool Cool and Intact	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested:	04034-10 07-14-98 07-13-98 07-13-98 07-13-98 07-13-98 8015 TPH
--	--	---	--

		Det.
Parameter	Concentration (mg/Kg)	Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	4.5	0.1
Total Petroleum Hydrocarbons	4.5	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 Apache #102 - 7 Landfarm. 5 Pt. Composite.

Alle P. Openie

Stacy W Sendler
Review



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 2	Date Reported:	07-14-98
Laboratory Number:	D611	Date Sampled:	07-13-98
Chain of Custody No:	6095	Date Received:	07-13-98
Sample Matrix:	Soil	Date Extracted:	07-13-98
Preservative:	Cool	Date Analyzed:	07-13-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	7.5	0.1
Total Petroleum Hydrocarbons	7.5	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 Apache #102 - 7 Landfarm. 5 Pt. Composite.

Alexan F. German

Stacy W Sendler

CHAIN OF CUSTODY RECORD

_	Cool - Ice/Blue Ice		(505) 632-0615				
	Received Intact	hway 64	5796 U.S. Highway 64 Farmington New Mexico 87401				
NA	· ·						•
ot	Sample Receipt	CHINC	ENVIROTECH IN		6693 +6095		RP coc's
		Received by: (Signature)	Recei			ure)	Relinquished by: (Signature)
		Réceived by: (Signature) $oldsymbol{\ell}$				ure) (I	Relinquished by: (Signature)
Date Time 7.13.981315	Date 7.13. 91	Received by: (Signature)	Date Time Recei			ure)	Relinquished by: (Signature)
COMPOSITE	5 M. Com	1 4	5016	D611	1200	7/13/98	UF-2
COMPOSITE	S. P. Coms	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	5012	0196	1115	7/13/98	LF-1
C001	PRESERV COOL	Co	Matrix	Lab Number	Time	Date	Identification
365	BOTH SAMRES	No. ontain		01-75040	2		Sounds No. 1
6	* Remarks	ers		,		•	Sampler:
			ARK末 # 102-7	Jicakiua		000	BLAGG/ Amoco
	RETERS	ANALYSIS / PARAMETERS	LANDFARM	Project Location			Client / Project Name