JICARILLA APACHE TRIBE Blow II - VISK-bedvocus BJSSS
ENVIRONMENTAL PROTECTION OFFICE VISK-bedvocus Natural resource dept P.O. BOX 507

SCP VISK-bedvocus Natural resource dept AND OIL & GAS ADMINISTRATION

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

PIT REMEDIATION AND CLOSURE REPORT

•	WILL GONO PILVO
	(505)326-9200
Operator: AMOCO PRODUCTION COMPANY	Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington, N	NM 87401
Landian Unit or Otr/Otr Sec A Sec 9 T	R SW County KIO ARABA
Pit Type: Separator Dehydrator Other	BLOW (I)
Land Type:	
	Z1' , width Z1' , depth 5' other
Footage from reference: 96	6'
Direction from reference:5	Z Degrees X East North X 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, rigation 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):

	BJ 555 BLOW PIT (I)
Date Remediation Started:	5/20/98
Other	on, excounted consist of mostly Gyed w FERTILIZER. RISK ASSESSED.
Groundwater Encountered: No 🔀 Yes _	
Final Pit: Sample location see Attache Closure Sampling: (if multiple samples, attach sample results	ed Documents
attach sample results and diagram of sample Sample depth	Sample time 915
Soil: Benzene (ppm) Total BTEX (ppm) Field Headspace (ppm) TPH (ppm)	Total Xylenes (ppb)
	(If yes, attach sample results)
KNOWLEGE AND BELIEF	OVE IS TRUE AND COMPLETE TO THE BEST OF MY
SIGNATURE BURLY D. Show AND T	NAME Buddy D. Shaw ITLE Environmental Coordinator FION, PIT CLOSURE IS APPROVED IN ACCORDANCE E ORDINANCE.
AFTER REVIEW OF THE PIT CLOSURE INTO THE JICARILLA APACHE TRIBE PIT CLOSURE APPROVED: YES NO (REASON)	
/ / /	E: <u>6-/5-98</u>

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.D.C. ND:
FIELD REPORT: CLOSURE VERIFICATION LOCATION: NAME: TICARILIA APTRIB. 151 WELL #: 6 PIT: BLAN I QUAD/UNIT: A SEC: 9 TWP: 260 RNG: 5W PM: NM CNTY: RA ST: PM CONTRACTOR: P & 5	DATE STARTED: 5/20/98
	C YARDAGE:
A P S A SAMPLES SAMPLE ANALYSIS TIME HEAD	BEDROCK

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizonal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla Apache Tribal 151 #6

Unit A, Sec. 9, T26N, R5W

Blow Pit (I)
Basin Dakota

Non Vulnerable

> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered sandstone bedrock at 5 feet below grade.

No past or future threat to surface water or groundwater is likely based on the following considerations:

- Past production fluids were contained locally by a relatively shallow sandstone bedrock located 5
 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at
 a much greater depth below sandstone bedrock.
- 2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
- 3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.
- Well site located within the <u>non-vulnerable area</u> and is approximately 1.6 miles southeast of the nearest vulnerable area boundary (Cereza Canyon wash).

(Refer to <u>Vigas Canyon Quadrangle</u>, New Mexico - Rio Arriba County, 7.5 Minute Series (<u>Topographic</u>), photorevised 1982, (vulnerable area boundary developed by Mr. William C. <u>Olson</u>, <u>Hydrogeologist</u>, <u>Environmental Bureau</u>, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the subsurface lateral impact from the earthen pit is very limited and that the sandstone bottom creates enough of an impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

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

BT 555

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, N	м 87401
Facility or Well Name:	TRIBAL 151-6
Facility or Well Name:	Brow (II)
Pit Type: Separator Dehydrator Other Land Type: RANGE	
Land Type: KHNGE	
Pit Location: Pit dimensions: length	37', width33', depth7'
(Attach diagram) Reference: wellhead X,	other
Footage from reference:	
Direction from reference:	74 Degrees East North of South X
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)
proundwater) Distance to an Ephemeral Stream (Downgradient dry wash greater than	Less than 100 feet (10 points) Greater than 100 feet (0 points)
ten feet in width) 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:	Yes (20 points) No (0 points)
domestic water source, or: less than 1000 feet from all other water sources) Distance To SurfaceWater:	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, rrigation canals and ditches)	Greater than 1000 to
	RANKING SCORE (TOTAL POINTS):

		BJ555	BLOW PIT (II)
Date Remediation Sta mediation Method: eck all appropriate sections)	rted: Excavation Landfarmed Other	Date Completed: Approx. cubic yards Insitu Bioremediation	1
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility) General Description BEDROCK PIT	of Remedial Action: Excavation	n. ENTRE EXCAUATIO	70 TENSIST OF
Final Pit: Closure Sampling: (if multiple samples,	Sample locationsee Attached		
attach sample results and diagram of sample locations and depths)	Sample depth $\frac{5}{5\sqrt{20/98}}$ Sample date $\frac{5/20/98}{20}$	Sample time	4.10
	Soil: Benzene (ppm) - Total BTEX (ppm) - Field Headspace (ppm) - TPH (ppm) -	320 Et	luene (ppb) nylbenzene (ppb) tal Xylenes (ppb)
Groundwater Sampl			
I HEREBY CERTIF KNOWLEGE AND	Y THAT THE INFORMATION ABO BELIEF	VE IS TRUE AND COM	PLETE TO THE BEST OF M
DATE	70. A. San AND TH	NAME Buddy D. State Environment	cal Coordinator
TO THE JICARILL	F THE PIT CLOSURE INFORMATION APACHE TRIBE PIT CLOSURE (NO (REASON)		
SIGNED:		: <u>6-15-98</u>	

. _____

CLIENT: AMOCO	BLAGG ENGINEERING, IN	C. LOCATION NO: <u>87555</u>
	P.O. BOX 87, BLOOMFIELD, NM (505) 632-1199	
	RT: CLOSURE VERIFICA	5/10/07
LOCATION: NAME: JA. A.	P. TRIB. 151 WELL #: 5 PIT: BLOW	DATE STARTED: 5/20/98 DATE FINISHED:
QUAD/UNIT: A SEC: Y	TWP: Z6N RNG: 5W PM: NM CNTY: RT NE 14 CONTRACTOR: P + 5	ENVIRONMENTAL SPECIALIST:
THE STATE OF THE S	7 FT x 33 FT x 7_ FT. DEEF	CUBIC YARDAGE:
	REMEDIATION	N METHOD: LANDFARM
	DIC DIT BCATED ADDROVIMATELY 25	FT. 574W_ FROM WELLHEAD.
DEPTH TO GROUNDWATER: >/*	NEAREST WATER SOURCE: >1000 NEA	CHECK DNE: PIT ABANDONED
NMOCD RANKING SCORE:	NMBCD TPH CLOSURE STD: 5000 PPM N DESCRIPTION:	STEEL TANK INSTALLED
	Read and	FIBERGLASS TANK INSTALLED
OUVE BRE	ACRUATION CONSIST OF BEURDER OF IN COLOR, HC OOOR OBSERVE STRING EVIDENT OF PI	ED IN BOTH PIT BOTTOM
OUM SE	THE ODOR OBSERVED WIN E	XCRATION, PUÉ TO
ENTIRE +	exammon being bedrock,	LO TPH ANALYSIS WAS
CONDUCT	₹0 .	EXCAUTED APPROX.
		> BELOW ORIGINAL
ENTIRE RISK	₹ PSESSED	Z' BELOW ORIGINAL PIT BOTTOM)
ENTIRE EXERVATION RISK BEOLOCK		(Z' BELOW ORIGINAL PIT BOTTOM)
EXEMULATION		Z' BELOW ORIGINAL PIT BOTTOM)
SCALE O FT	TIME SAMPLE I.D. LAB NO: WEIGHT (g)	CULATIONS CULATIONS The free of the property
SCALE O FT	TIME SAMPLE I.D. LAB NO: WEIGHT (g)	CULATIONS (2' BELOW ORIGINAL PIT BOTTOM) THE FREON DILUTION READING CALC. PPM PIT PROFILE
SCALE O FT PIT PERIM	TIME SAMPLE I.D. LAB NO: WEIGHT (g) (1000) IETER N OVM RESULTS	CULATIONS PIT BOTTOM) PIT PROFILE
SCALE O FT PIT PERIM	TIME SAMPLE I.D. LAB NO: WEIGHT (g) (1000) IETER N OVM RESULTS SAMPLE FIELD HEADSPACE PID (ppm) 1 @ 5 320	CULATIONS (2' BELOW ORIGINAL PIT BOTTOM) THE FREON DILUTION READING CALC. PPM PIT PROFILE
SCALE O FT PIT PERIM	TIME SAMPLE I.D. LAB NO: WEIGHT (g) (1000) IETER N OVM RESULTS SAMPLE FIELD HEADSPACE PID (ppm) 1 2 5 320	CULATIONS PIT BOTTOM) PIT PROFILE A L L L L L L L L L L L L
SCALE O FT PIT PERIM P SLOPE THE STORE TO THE STORE T	TIME SAMPLE I.D. LAB NO: WEIGHT (g) IN TOO ON THE SAMPLE SAMPLE FIELD HEADSPACE PID (ppm) 1 @ 5 320 2 @ 5' Zz7.9 3 4 5	CULATIONS PIT BOTTOM) PIT PROFILE A LG Z' BELOW ORIGINAL ORIGINAL PIT BOTTOM) CALC. ppm PIT PROFILE A
SCALE O FT PIT PERIM O G	TIME SAMPLE I.D. LAB NO: WEIGHT (g) IN TOO ON THE SAMPLE SAMPLE FIELD HEADSPACE PID (ppm) 1 @ 5 320 2 @ 5' Zz7.9 3 4 5	CULATIONS PIT BOTTOM) PIT PROFILE A L L L L L L L L L L L L
SCALE O FT PIT PERIM P SLOPE THE STORE TO THE STORE T	TIME SAMPLE I.D. LAB NO: WEIGHT (g) IN INCOME INCOME INCOME IN INC	CULATIONS PIT BOTTOM) PIT PROFILE A L L L L L L L L L L L L
SCALE O FT PIT PERIM O G	TIME SAMPLE I.D. LAB NO: WEIGHT (g) (ID) (ID) (ID) (ID) (ID) (ID) (ID) (ID	CULATIONS PIT BOTTOM) PIT PROFILE A L L L L L L L L L L L L
SCALE O FT PIT PERIM P SLOPE 37 A 24 33 A 4 4 5 6 6 6 6 7 7 7 7 8 7 8 8 9 9 9 9 9 9 9 9 9 9 9	TIME SAMPLE I.D. LAB NO: WEIGHT (g) (1000) IETER OVM RESULTS SAMPLE FIELD HEADSPACE PID (ppm) 1 @ 5 / 320 2 @ 5 / Zz7.9 3 4 5 LAB SAMPLES	CULATIONS PIT BOTTOM) PIT PROFILE A L L L L L L L L L L L L
SCALE O FT PIT PERIM P SLOPE 37 A 24 33 A 4 4 5 6 6 6 6 7 7 7 7 8 7 8 8 9 9 9 9 9 9 9 9 9 9 9	TIME SAMPLE I.D. LAB NO: WEIGHT (g) IN TIME SAMPLE I.D. LAB NO: WEIGHT (g) IN TIME SAMPLE PID (ppm) I E 5 320 2 25 227.9 A DIRECT SAMPLE FIELD HEADSPACE PID (ppm) I E 5 320 2 27.9 A DIRECT SAMPLE ANALYSIS TIME ID IN TIME	PIT PROFILE A Leading Calc. ppm

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizonal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla Apache Tribal 151 #6

Unit A, Sec. 9, T26N, R5W

Blow Pit (II) Basin Dakota

Non Vulnerable

> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered sandstone bedrock at 7 feet below grade.

No past or future threat to surface water or groundwater is likely based on the following considerations:

- Past production fluids were contained locally by a relatively shallow sandstone bedrock located 7
 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at
 a much greater depth below sandstone bedrock.
- 2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
- 3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.
- Well site located within the <u>non-vulnerable area</u> and is approximately 1.6 miles southeast of the nearest vulnerable area boundary (Cereza Canyon wash).

(Refer to <u>Vigas Canyon Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), photorevised 1982, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).</u>

Based upon the information given, we conclude that the subsurface lateral impact from the earthen pit is very limited and that the sandstone bottom creates enough of an impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

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

STSSS 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, NN	M 87401
Facility or Wall Name: JICARILLA APACHE TRI	IBAL 151-6
Location: Unit or Qtr/Qtr Sec A Sec 9 TZ6	R 5W County KIO AIRISH
Pit Type: Separator Other	
Land Type: LANEE	
Pit Location: Pit dimensions: length	zs', width zo', depth 13'
	other
Footage from reference: 170 Direction from reference: 25	East North ★ Mest 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)
proundwater) 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	Less than 100 feet (10 points) Greater than 100 feet (0 points)
livestock or wildlife watering ponds) Wellhead Protection Area: (Less than 200 feet from a private	Yes (20 points) No (0 points)
domestic water source, or: less than 1000 feet from all other water sources) Distance To SurfaceWater:	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points)
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Greater than 1000 feet (0 points)
	RANKING SCORE (TOTAL POINTS):

D. U. A. CA	Date (Completed: 5/20/98
	Approx	cubic yards
mediation Method: heck all appropriate		Bioremediation
sections)	Landrainied	
	Other	
Remediation Location (i.e. landfarmed onsite, name and location of		
offsite facility) General Description	of Remedial Action: Excavation . €×c	PAUATION CONSIST OF MOSTLY
BEDIDOX.	NORTH SIDELLAL SPRAYED W FERTILIZES	NSK H33E3CU
Groundwater Encoun		
Final Pit: Closure Sampling: (if multiple samples,	Sample location see Attached Docume	nts
attach sample results and diagram of sample locations and depths)	Sample depth 8 ' Sample date 5 z = / 9 8	Sample time
	Sample Results Soil: Benzene (ppm) Total BTEX (ppm) Field Headspace (ppm) 3, 265	Water: Benzene (ppb) Toluene (ppb) Ethylbenzene (ppb)
	ТРН (ppm) <u>мА</u>	Total Xylenes (ppb)
Groundwater Samp	le: Yes NoX (If yes, at	tach sample results)
I HEREBY CERTIF KNOWLEGE AND		
DATE	5/2098 PRINTED NAME B QLy 5 , $5/20$ AND TITLE E	nvironmental Cooldinator
AFTER REVIEW O	OF THE PIT CLOSURE INFORMATION, PIT C LA APACHE TRIBE PIT CLOSURE ORDINANC	LOSURE IS APPROVED IN ACCORDANCE CE.
APPROVED: YES	NO (REASON)	
SIGNED: Killer	Mand DATE: 6-/	5-98

P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.D.C. ND:
FIELD REPORT: CLOSURE VERIFICATION LOCATION: NAME: TICA. AP. TRIB. IS I WELL #: 6 PIT: 5EP QUAD/UNIT: A SEC: 9 TWP: 260 RNG: 50 PM: 200 CNTY: RA ST: 200 CNTRACTOR: PLS	DATE STARTED: 5/20/98 DATE FINISHED: ENVIRONMENTAL NV
EXCAVATION APPROX. 25 FT. x 20 FT. x 13 FT. DEEP. CUBIC DISPOSAL FACILITY: ON-SITE REMEDIATION METHO LAND USE: REMARKS: PIT LOCATED APPROXIMATELY FOR DEPTH TO GROUNDWATER: NEAREST WATER SOURCE: 170 FT. NOTES & REMARKS: NEAREST WATER SOURCE: 170 FT. NOTES & REMARKS: NEAREST WATER SOURCE: 170 FT. NOTES & NEAREST SURFACE NOTES RANKING SCORE: NOTES OF NAME OF THE CLOSURE STD: 1700 PPM	RMATION: DK
BOTTOM 43 OF EXCAVATION CONSIST OF BEDROCK (COLDR VARYING FROM PALE ORANGE TO ONSKY RED) SO CRADE TO VERY HARD C PIT BOTTOM, STRONG HE SIDEWALL OUM SAMPLE DOLY NO APPARENT STAININ OBSERVED W/IN EXCAVATION, ONE TO EXCAVATION BEDROCK, NO TOH ANALYSIS WAS CONDUCTED. 43 OF RISK ASSESSED FIELD 418.1 CALCULATIONS BEOROCK TIME SAMPLE I.D. LAB NO: WEIGHT (9) ML. FREON D SCALE 1045	SHALE SANDSTONE) OFT C 5' BELOW ODOR IN NORTH E OR HC ODOR BEING MUSTLY
O FT PIT PERIMETER OVM RESULTS SAMPLE FIELD HADSPACE PID (ppm) 1	PROFILE zo' s' I sedrock
TRAVEL NOTES: CALLOUT: S 19 98 - AFTER ONSITE: 5/20/98 -	nokv.

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizonal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla Apache Tribal 151 #6

Unit A, Sec. 9, T26N, R5W

Separator Pit Basin Dakota

Non Vulnerable

> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered shale/sandstone bedrock at 13 feet below grade.

No past or future threat to surface water or groundwater is likely based on the following considerations:

- Past production fluids were contained locally by a relatively shallow shale/sandstone bedrock located 13 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below shale/sandstone bedrock.
- 2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
- 3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.
- 4. Well site located within the <u>non-vulnerable area</u> and is approximately 1.6 miles southeast of the nearest vulnerable area boundary (Cereza Canyon wash).

(Refer to <u>Vigas Canyon Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), photorevised 1982, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).</u>

Based upon the information given, we conclude that the subsurface lateral impact from the earthen pit is very limited and that the shale/sandstone bottom creates enough of an impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

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

SUBMIT 1 COPY TO

NATURAL RESOURCE DEP)

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: <u>JICARILLA</u>	APACHE TRIB	AL 151. 6
		RUN R SW County RIO ARRIBA
Land Type: RANGE		i
		Date Completed: 1.2299 Approx. cubic yards 320
Remediation Method: Landfarmed		Approx. cubic yards
Composted		
Other		
pth To Groundwater:	(pts.) <u>0</u>	Final Closure Sampling:
Distance to an Ephemeral Stream		Sampling Date: 1.20 99 Time: 0950
Distance to Nearest Lake, Playa,		Sample Results:
or Watering Pond	(pts.) <u>0</u>	Field Headspace (ppm) <u>o.o</u>
Wellhead Protection Area:	(pts.) <u>0</u>	TPH (ppm) 6.2 Method 80,5
Distance To SurfaceWater:	(pts.) 0	Other
RANKING SCORE (TOTAL POIN	ITS)· 0	
		E IS TRUE AND COMPLETE TO THE BEST OF MY
KNOWLEGE AND BELIEF		
DATE 1/22/99	. PRINTED I	NAME Buddy D. Shaw
SIGNATURE Bully S.		AND TITLE Environmental Coordinator
· /	5 - WW	
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	: <u>3-31-99</u>

CLIERT AMOCO BLAGG ENGINE P.O. BOX 87, BLOOM	IFIELD, NM 87413	LOCATION NO: 85555
(505) 63	2-1199	C.D.C. No. 2505
FIELD REPORT: LANDFARM/COMPO	ST PILE CLOSURE	VERIFICATION
LOCATION: NAME: TRIBAL 151 WELL #:	PITS: SEP, BLOW 1, BLOW 2	DATE STARTED: 1 20.99 DATE FINISHED: 1 22.99
QUAD/UNIT: A SEC: 9 TWP: 26P RNG: 5W PM	NPI CNII. EA SI.JO!	ENVIRONMENTAL REP
OTP/FOOTAGE: NE/4 NE/4 CONTRACTOR: R	<u>\$</u>	SPECIALIST:
SOIL REMEDIATION:		- 0.25
REMEDIATION SYSTEM: LANDFARM	APPROX. CUBIC Y	
LAND USE: RANGE	LIFT DEPTH (ft):	<u> </u>
THE MOTEO A DEMARKS		
DEPTH TO GROUNDWATER: 2/00' NEAREST WATER SOURCE: >	NEAREST SURFAC	E WATER: > 1000
A WARET THE CURSUPE STREET	TOOD PPM	
1	POURSIVE BILICITIES	, FIRM. E FROM
MODERATE YELLOWISH BEOWN - BEDUND STAIN, FOR NO NO STAINING OBSERVED, NO HC ODOR DETECTED. S. G"-18" TOOK A SPT. COMOSITÉ SAMPLE FOR LAB	AMPLING DEFINE	
6 210 , 100K 7 377 . SEL		
CLOSED FIELD 418.1	CALCULATIONS	
SAMP. TIME SAMPLE I.D. LAB No: WEIGHT (g) ml. FREON DILUTION READI	NG CALC. ppm
SKETCH/SAMPLE LOCATIONS		
1 SKETCHY BRIGHT EE ES		
16 0 1		
N	OVM_RESULTS	LAB SAMPLES
	SAMPLE FIELD HEADSPACE SAMPLE PID (ppm) 1D	
	4.1 0.0 LF.1	(BOS) 0950 6.2
,20° - N87° E		
LANDFARM AREA 7		

TRAVEL NOTES: CALLOUT: N/A

40.

ONSITE: 1.20 99

FT

SCALE 0



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 E562 6560 Soil Cool Cool and intact	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested:	04034-10 01-22-99 01-20-99 01-21-99 01-22-99 01-22-99 8015 TPH
--	--	---	--

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	5.7	0.2
Diesel Range (C10 - C28)	0.5	0.1
Total Petroleum Hydrocarbons	6.2	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 Tribal 151 - 6 Landfarm. 5 Pt. Composite.

Analyst . Oferen

Stacy W Lendler

Client / Project Name 8LAGG / AMOCO	00		Project Location LAMBEARY SICARILLA APACHE TE	ON LANDFARM LA APACHE TRIBAL 151-6	ANALYS	ANALYSIS / PARAMETERS	
Sampler: REP			Client No.	01-75040		Remarks	\$
Sample No./	Sample Date	Sample Time	Lab Number	Sample Matrix			
LF-1	1.20.99 0950	0950	きかんこ	SOIL	_	SPT. CONTESTE	STE
						SAMPLE PRESENTE	MESSA
					-	2001	
Relinguished by (Signature)	ure)			Date Time Re	Received by: (Signature)	Date	
Elle Du-				1.2199 0805	Lan T. War	1.21.99	5280 66
Relinquished by: (Signature)	ure)				Received by: (Signature)		-
Relinquished by: (Signature)	шгө)			Re	Received by: (Signature)		
p.p cocs	-25.27	1929-1250		EOVIDOTECH I	CHIDO	Sample Receipt	sipt .
()	6	•					Z Z
				5796 U.S. Highway 64	ighway 64 Mexico 87401	Received Intact	1
				(505) 632-0615	2-0615	Cool - ice/Blue ice	