Denny & Fout DEPUTY OIL & GAS INSPECTOR

DEPUTY OIL & GAS INSPECTOR JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

AUG 1 3 1999

P.O. BOX 507 DULCE, NEW MEXICO 87528 154 C 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, NM 87401			
Facility or Well Name: JICARILLA C	# 3モ		
Location: Unit or Qtr/Qtr Sec_ Sec_ Z3 T	ZEN R SW County RO ARRIGA		
Pit Type: Separator Dehydrator Other	BLOW		
Land Type: PANGE			
Pit Location: (Attach diagram) Reference: wellhead X , 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 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) (O 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 (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)		
	RANKING SCORE (TOTAL POINTS):		

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.D.C. NO:
FIELD REPORT: CLOSURE VERIFICATION	PAGE No: of
OHAD (HAIT: # 1.25CC. Z.3 TWD.7 GN) PNG.5G) PM. IN CNTY-RA ST:NM-	DATE STARTED: 8/29/96 DATE FINISHED: ENVIRONMENTAL SPECIALIST: NV
EXCAVATION APPROX. ZZ FT. x /5 FT. x 7 FT. DEEP. CUBIC DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD LAND USE: LEASE: CONTROL # 108 FOR	D: <u>LAND FARMED</u> MATION: JK
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 185 FT. N DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE	VATER >1000 /
LART AND EVANOATIEN DECEMBETION.	<u>CHECK ONE</u> : PIT ABANDONED STEEL TANK INSTALLED
SIDEWALLS: MOSTLY DK. YELL. ORANGE TO BROWN SAND) NO SLIGHTLY MOIST FIRM, NO APPARENT HE ODOR OVER SAMPLES, NO STAINING OBSERVED IN AN BOTTOM - BEDROCK, SHALE LT. MED ERAY IN COLOR, STRONG OVER SAMPLE.	IN ANY OF THE NY OF THE STOEWAUS.
BEDROCK TIME SAMPLE I.D. LAB NO: WEIGHT (g) ml. FREON DIL	UTION READING CALC. ppm
SCALE 1235 (9e4' TPH-1814 5 ZO /	1 11 44
PIT PERIMETER OVM PIT	PROFILE
SAMPLE FIELD HEADSPACE PID (ppm) 1 @ 4' O.O 2 @ 4' O.O 3 @ 4' O.O 4 @ 4' O.O 5 @ 7' 411' STUDPE DIRECTION A LAB SAMPLES SAMPLE SAMPLES SAMPLE SAMPLES SAMPLE SAMPLES SAMPLE SAMPLES SAMPLE SAMPLES SAMPLE SAMPLES SAMPL	A ISI

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizontal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla C #3E

Unit K, Sec. 23, T26N, R5W

Blow Pit

Basin Dakota

Non Vulnerable

> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered shale 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 shale 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 shale 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 on the fringe of the vulnerable area boundary of Tapacito Creek.

(Refer to <u>Lapis Point Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series</u> (<u>Topographic</u>), 1963, (vulnerable area boundary developed by Mr. William C. Olson, <u>Hvdrogeologist, Environmental Bureau</u>, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the shale 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.

BLAGG ENGINEERING, INC.

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

Sample ID:

4 @ 4'

Project Location: Laboratory Number: Jicarilla C #3E

TPH-1814

Project #:

Date Analyzed: Date Reported: 08-29-96 08-29-96

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	44	20

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 Pit - BJ423

Helson Vie

R. E. o'rull

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, NM 87401				
Facility or Well Name: TICARILLA C	#3E			
Location: Unit or Qtr/Qtr Sec A Sec 23 T	ZEN RYW County RIO ARRISA			
Pit Type: Separator Dehydrator Other	PRODUCTION TANK			
Land Type:				
Pit Location: (Attach diagram) Pit dimensions: length /Z', width /Z', depth 4' Reference: wellhead X, other Footage from reference: /35' Direction from reference:				
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, 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):			

Date Remediation Started: _____ Date Completed: _____8/29/96_____ Approx. cubic yards _____5 Excavation nediation Method: eck all appropriate Insitu Bioremediation _____ Landfarmed X sections) Other ____ Onsite × Offsite Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) General Description of Remedial Action: Excavation, MAJORITY OF EXCAUNTED CONSIST OF SHALE BEDROCK. No X Yes ____ Depth _____ Groundwater Encountered: Sample location <u>see Attached Documents</u> Final Pit: Closure Sampling: (if multiple samples, Sample depth _____ 4 attach sample results and diagram of sample locations and depths) Sample date 8/29/96 Sample time /345 Sample Results (ppm) _____ Water: Benzene (ppb) ______ Soil: Benzene (ppb) _____ Toluene Total BTEX (ppm) _____ Field Headspace (ppm) 16.9 (ppb) _____ Ethylbenzene (ppb) _____ Total Xylenes (ppm) _____ TPH Yes _____ No ____ (If yes, attach sample results) Groundwater Sample: I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEGE AND BELIEF PRINTED NAME Buddy D. Shaw DATE Environmental Coordinator AND TITLE **SIGNATURE** 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) _____

Maul DATE: 8-29-96

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 874 (505) 632-1199	113 LOCATION NO: 87423 C.O.C. NO:
FIELD REPOR	RT: CLOSURE VERIFICATION)N PAGE No: / of /
QUAD/UNIT: A NSEC: QTR/FOOTAGE: NS/4 S	LA C WELL #: 3E PIT: PROD. 23 TWP: ZEN RNG: 5W PM:NM CNTY:RA ST W/4 CONTRACTOR: P+5	ENVIRONMENTAL SPECIALIST:
DISPOSAL FACILITY: LAND USE:	FT. x 12 FT. x 4 FT. DEEP. C ON -517E REMEDIATION ME LEASE: CONTRACT # 158 RKS: PIT LOCATED APPROXIMATELY 135 F	ETHOD: LANDFARMED FORMATION: OK T. N30E FROM WELLHEAD.
	NEAREST WATER SOURCE: >1000 / NEAREST S	CHECK DNE
NMOCD RANKING SCORE:	NMOCD TPH CLOSURE STD: <u>5200</u> PPM IN DESCRIPTION:	✓ PIT ABANDONED STEEL TANK INSTALLED
CONDUCTE	CONSIST MOSTLY OF BEDROCK (SHALE CODOR IN NORTH, EAST, I WEST SIDEM OF PLES BEING COLLECTED IN BEDROCK NORTH, EAST, I WEST SIDEM FIELD 418.1 CALCULATION TIME SAMPLE I.D. LAB No: WEIGHT (g) ml. FRE 1345	JNS
0 FT	ETED OVM	PIT PROFILE
PIT PERIM	SAMPLE FIELD HEADSPACE PID (ppm) 1	BEOROCK 2'I H'
TRAVEL NOTES: CALLOUT	: 8/28/96 MORN. ONSITE: 8/29/96	MORN.

Well Name: Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizontal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla C #3E
Unit K, Sec. 23, T26N, R5W
Production Tank Pit
Basin Dakota
Non Vulnerable
> 1000 ft.
> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered shale bedrock at 4 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 bedrock located 4 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below shale 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 on the fringe of the vulnerable area boundary of Tapacito Creek.

(Refer to <u>Lapis Point Quadrangle</u>, New Mexico - Rio Arriba County, 7.5 Minute Series (<u>Topographic</u>), 1963, (vulnerable area boundary developed by Mr. William C. Olson, <u>Hydrogeologist</u>, <u>Environmental Bureau</u>, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the shale 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 DEPT

AND OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

	1-17,000,0000				
Operator: AMOCO PRODUCTION COMPANY	Telephone: (505) 326-9200				
Address: 200 Amoco Court, Farmington, 1	Address: 200 Amoco Court, Farmington, NM 87401				
Facility or Well Name: JICARILLA C	# 3€				
Location: Unit or Qtr/Qtr Sec K. 915 Sec Z3 T2	SO RSW County RIO ARRIBA				
Pit Type: Separator X Dehydrator Other					
<u>_</u>					
	zo', width zo', depth 8'				
Reference: wellhead X,	other				
Footage from reference:	100'				
Direction from reference:	S Degrees East North X				
Direction from forestones.	✓ 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)					
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 Remediation Started:	Date Completed:8/29/96		
r mediation Method: Excavation X	Approx. cubic yards90		
sck all appropriate sections) Landfarmed	Insitu Bioremediation		
Other			
(i.e. landfarmed onsite, name and location of offsite facility)			
General Description of Remedial Action: _Excav			
CON 2 12	T OF SHAVE BEDROCK.		
Groundwater Encountered: No X Ye	es Depth		
Final Pit: Sample location see Atta Closure Sampling: (if multiple samples,	ched Documents		
attach sample results			
and diagram of sample Sample depth Sample date 8/29/9	Sample time /250		
Sample Results			
Soil: Benzene (pp.	m) Water: Benzene (ppb)		
Total BTEX (pp	m) Toluene (ppb)		
Field Headspace (pp	m) O.O Ethylbenzene (ppb)		
ТРН (рр	m . 1 xr 1		
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			
DATE <u>8/29/96</u> PRINT	ED NAME Buddy D. Shaw Environmental Coordinator		
SIGNATURE BURLY D. Show AND	TITLEEnvironmental Coordinator		
	ATION, PIT CLOSURE IS APPROVED IN ACCORDANCE		
APPROVED: YES NO (REASON) _			
SIGNED TO DE	ATE: 8-29-96		

CLIENT: <u>AMOCO</u>	P.O. BOX 87, BLO	INEERING, INC OMFIELD, NM 632-1199		C.O.C. NO:
FIELD REPOR	RT: CLOSURE	VERIFICA'	TION	
LOCATION: NAME: TICARI	C WELL #: 3	E PIT: SEP	CT(L)TZ E	DATE STARTED: 8/29/96 DATE FINISHED:
QUAD/UNIT: WE TO OTR/FOOTAGE: Sto 4	TWP: ZEO RNG: 5心	DR: P&S	1 01.100	ENVIRONMENTAL NV
EXCAVATION APPROXZ	> FT. x <u>20</u> _ FT. x oN - s rrモ	7 FT. DEEP.	CUBIC METHO	YARDAGE: <u>90</u> D: <u>LANDFARMED</u>
LAND USE: RANGE	LEASE:	CONTRACT #10	S FOR	RMATION: OK
FIELD NOTES & REMA	RKS: PIT LOCATED APF	PROXIMATELY /00	FT/	V5W FROM WELLHEAD. E WATER: >1000'
	NMOCD TPH CLOSURE STI			CHECK DNE: PIT ABANDONED
SOIL AND EXCAVATION		 30 2 1	<u> </u>	STEEL TANK INSTALLED
EXCRUATION OF	mostly consist of odor in moth +	WEST SUEWALL	- DUSK	SAMPLES PIT AREA
WIN BEORDE	CENTER OF NEUL CONSTPHE ANALYSI	5 WAS CONDUC	TED.	SAMPLES PIT AREA
MOSTLY	ISK ASSESSED			
EXENUTED IN REDECK	The second secon	FIELD 418.1 CALCUI 3 No: WEIGHT (g) mL	LATIUNS FREON DI	LUTION READING CALC. ppm
SCALE	1250			
0 FT		OVM	 PIT	PROFILE
PIT PERIM	ETER 40 RES	SULTS FIELD HEADSPACE PIO (ppm)	A	20' A'
	1 e 5 '	71.3 69.4 22.6	I3'	41
0	3 - 5 / 4 e 4 / 5 e 8 /	218.6	11/11/	BEDREK
8 9 5	€ 8			
8 4 5			B	20'
SEP A'		SAMPLES ANALYSIS TIME 8	· 114	3']
140			·///	BEDROCK
WELL WHEA	D		<u></u>	
TRAVEL NOTES: CALLOU	1: 8/28/96 marn.	ONSITE: <u>8/29</u> /	96 mo	KN,

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizontal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla C #3E

Unit K, Sec. 23, 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 bedrock at 8 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 bedrock located 8 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below shale 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 on the fringe of the vulnerable area boundary of Tapacito Creek.

(Refer to <u>Lapis Point Quadrangle</u>, <u>New Mexico</u> - <u>Rio Arriba County</u>, 7.5 <u>Minute Series</u> (<u>Topographic</u>), 1963, (<u>vulnerable area boundary developed by Mr. William C. Olson</u>, <u>Hydrogeologist</u>, <u>Environmental Bureau</u>, <u>New Mexico Oil Conservation Division</u>).

Based upon the information given, we conclude that the shale 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.

BT423

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

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPI

AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

·		
AMOCO PRODUCTION CO	MPANY	Telephone: (505) 326-9200
Address: 200 Amoco Court, F	armington,	NM 87401
Jich Wall Name: Jich	ARILLA C	# 3 €
Location: Unit or Qtr/Qtr Sec_K	_ Sec_23 _ T26	N RSW County 210 ARRIBA
Land Type: RANGE		
B. A. Barrediation Started: 8	29/96	Date Completed: 6/15/98
Remediation Method: Landfarmed	X	Approx. cubic yards 135
Composted		
Other		
	(nts.) O	Final Closure Sampling:
pth To Groundwater:	(pts.)	Sampling Date:
Distance to an Ephemeral	(pts.)	Sample Results:
Distance to Nearest Lake, Playa, or Watering Pond	(pts.)	Field Headspace (ppm)
Wellhead Protection Area:	(pts.)	TPH (ppm) 17.0 Method 8015
Distance To SurfaceWater:	(pts.)	Other
RANKING SCORE (TOTAL POIN	TS):	THE TRUE AND COMPLETE TO THE BEST OF MY
I HEREBY CERTIFY THAT THE INFO KNOWLEGE AND BELIEF	RMATION ABOV	E IS TRUE AND COMPLETE TO THE BEST OF MY
DATE 6/15/98 SIGNATURE BURLY D. S	PRINTED	NAME Buddy D. Shaw AND TITLE Environmental Coordinator
SIGNATURE SIGNATURE OF A STORY OF SITE REMEDIATION IS APPROVED IN		
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) Lise as Backfull		
		re: <u>1-27-98</u>

CLIENT: AMOCO BLAGG ENGINE P.O. BOX 87, BLOOM (505) 63	MFIELD, NM 87413 2-1199 c.d.c. nd: <u>とのとち</u>
FIELD REPORT: LANDFARM/COMPO	
LOCATION: NAME: JICARILLA C WELL #: 3E	CAND CNITY REAL STROM
QUAD/UNIT: K SEC: 23 TWP: 26N RNG: 5W PM QTR/FOOTAGE: 1690 FSL 1690 FSL CONTRACTOR:	PGS ENVIRONMENTAL SPECIALIST: NV
SOIL REMEDIATION: REMEDIATION SYSTEM: LANDFART	APPROX. CUBIC YARDAGE:/35 LIFT DEPTH (ft): _/Z_/_
HE DOOR DESERVED IN ANY OF THE S HE DOOR DESERVED IN ANY OF THE S G" TO 142' SELOW GRADE, COLLECTED S	NEAREST SURFACE WATER: >1000' SOOD PPM RED SILTY SAND TO CLAY NON COHESIVE TO TO STIFF, NO APPARENT DISCOLURATION OR TAMPLE PTS., SAMPLING DEPTH RANGE FROM S PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.
H3' > DESIGNATION	
(3) 83'	SCALE O FT

TRAVEL NOTES:

CALLOUT: NA

ONSITE: 6/11/98 -more.



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 D404 6020 Soil Cool Cool and Intact	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested:	04034-10 06-15-98 06-11-98 06-12-98 06-12-98 06-12-98 8015 TPH
--	--	---	--

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.9	0.2
Diesel Range (C10 - C28)	16.1	0.1
Total Petroleum Hydrocarbons	17.0	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 C #3E Landfarm. 5 Pt. Composite.

Analyst P. Queceu

Stacy W Sender
Review

CHAIN OF CUSTODY RECORD

\	8	w Mexico 87401	Farmington, New Mexico 87401				
1	Received Intact	Highway 64	5796 U.S. Highway 64				
Z							
eipt	Sample Receipt	FCH INC	FOVIDOTECH IO				
		Received by: (Signature)	Re			ture)	Relinquished by: (Signature)
		Received by: (Signature)	- R			ture)	Relinquished by: (Signature)
Date Time 6-12-84 0806	2 · /2·	Received by: (Signature)	Date Time Re		-	Les in	Relinquished by: (Signature)
Composite	S pr. Con	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	5012	1 40 t	1145	6/11/95	LF-1
		Cor	Sample Matrix	Lab Number	Sample Time	Sample Date	Sample No./
7000L	PRESERV.	lo. of ntaine	-10	01-45070			757
Ties .	Remarks	rs)		Client No.			Sampler:
	METERS	ANALYSIS / PARAMETERS	C #3E	JICARILLA		moco	BLAGG/ Amoco
			LANDFARM	Project Location			Client / Project Name