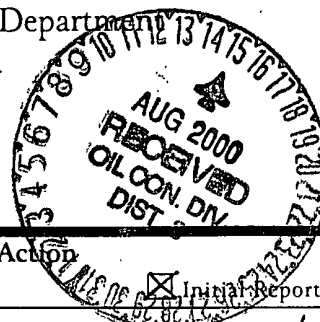


P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 South First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Originated 2/13/97

Submit 2 copies to
Appropriate District
Office in accordance
with Rule 116 on
back side of form



Release Notification and Corrective Action
OPERATOR

30-045-29252

☒ Initial Report ☐ Final Report

Name <i>CROSS Timbers Operating Company</i>	Contact <i>Dusty Mechem/Jim Baker</i>
Address <i>6001 HY 64 FARMINGTON, NM 87401</i>	Telephone No. <i>505-632-5200</i>
Facility Name <i>L.C. Kelly # 5A</i>	Facility Type <i>Oil & Gas Well Tank Battery</i>

Surface Owner	Mineral Owner <i>Federal</i>	Lease No. <i>NMSF 881239</i>
---------------	---------------------------------	---------------------------------

LOCATION OF RELEASE

Unit Letter <i>G</i>	Section <i>3</i>	Township <i>30N</i>	Range <i>12W</i>	Feet from the <i>1540</i>	North/South Line <i>North</i>	Feet from the <i>1490</i>	East/West Line <i>East</i>	County <i>SAN JUAN</i>
-------------------------	---------------------	------------------------	---------------------	------------------------------	----------------------------------	------------------------------	-------------------------------	---------------------------

NATURE OF RELEASE

Type of Release <i>oil (cond) leak</i>	Volume of Release <i>131 bbls</i>	Volume Recovered <i>0</i>
Source of Release <i>oil storage TANK</i>	Date and Hour of Occurrence <i>?</i>	Date and Hour of Discovery <i>8-6-00 4:00 PM</i>
Was Immediate Notice Given? <i>at discovery</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <i>DENNY FOUST - NMOC</i>	
By Whom? <i>Don (Dusty) Mechem</i>	Date and Hour <i>8-6-00 4:30 PM</i>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully. (Attach Additional Sheets If Necessary) *Not to our knowledge*

Describe Cause of Problem and Remedial Action Taken. (Attach Additional Sheets If Necessary)

Holes were shot in tank with a 30-30 rifle.

Reported to SJ County Sheriff & BLM Law Enforcement

Describe Area Affected and Cleanup Action Taken. (Attach Additional Sheets If Necessary)

Leak was in berm area. Approx 100 yds of soil was excavated & back filled. Sample coring is in progress & further vertical investigating is in progress.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOC marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOC acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Don L. Mechem</i>	OIL CONSERVATION DIVISION <i>Denny Foust</i>	
Printed Name: <i>Don L. Mechem</i>	Approved by District Supervisor: <i>FOR Frank Chavez</i>	
Title: <i>PROD FOREMAN</i>	Approval Date: <i>8/15/00</i>	Expiration Date:
Date: <i>8/14/00</i>	Phone: <i>632-5200</i>	Conditions of Approval: Attached <input type="checkbox"/>

NJK1217354950

BLAGG ENGINEERING, INC.

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

October 2, 2000

Mr Denny G. Foust -Environmental Geologist
New Mexico Oil Conservation Division - (NMOCD)
1000 Rio Brazos Road
Aztec, New Mexico 87410

**RE: Cross Timbers Oil Co. L.C. Kelly # 5A Spill Cleanup Report
Unit G, SEC. 3, T30N, R12W, San Juan County, New Mexico**

Dear Mr. Foust:

On behalf of Cross Timbers Oil Company (CTOC), Blagg Engineering, Inc. (BEI) respectfully submits the attached data affiliated with the L C. Kelly # 5A vandalized spill (release amount unknown) reported on August 6, 2000.

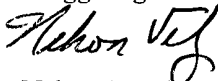
Briefly summarizing the cleanup effort which took place between August 7th and September 6th, 2000; approximately 100 cubic yards of impacted soil was removed (refer to Figure 1) and landfarmed on-site on August 7th, 2000. The excavation perimeter (approximately 13 ft. X 30 ft. X 7 ft.) was arbitrarily and judgmentally sampled upon completion of the excavation activity (refer to Figure 1 for sample locations and result summary). On August 9, 2000, BEI, utilizing an Earthprobe 200 mobile drill rig, attempted to establish vertical extent (BH-1), but encountered auger refusal for the equipment at 31 feet (apparent hard/compact silty sand). Upon review of the laboratory analytical results obtained from the BH-1 advancement, Envirotech, Inc. was then contacted for use of their mobile drill rig (comparable to a CME 61). On September 6, 2000, a second bore hole (BH-2) was advanced and at 55 feet below grade, the vertical extent of contamination appears to have been established (all samples obtained via split spoon). It was then suggested and agreed upon between BEI and NMOCD to remediate the remaining contamination passively; implementing a vertical vent pipe perforated between 5-55 feet below grade (refer to Figure 2).

Lateral extent of contamination appears to be below the NMOCD's closure standards for benzene and total BTEX (benzene, toluene, ethylbenzene, and total xylenes) based on the organic vapor meter (OVM) reading comparisons to that of the sample obtained from TH-1 @ 8 feet on August 7, 2000. However, the total petroleum hydrocarbon (TPH) closure standard (1,000 parts per million or ppm) was never evaluated

Based upon the attached information given, CTOC is requesting closure based on risk that the remaining soil contamination does not appear to pose a present or future threat to groundwater, health, or the environment.

If you have any questions or comments concerning this report, please contact myself or Jeff Blagg at the address or phone number listed above. Thank you for your cooperation

Respectfully submitted,
Blagg Engineering, Inc.



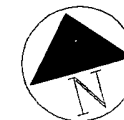
Nelson J. Velez
Staff Geologist

Attachments: Spill Cleanup Report

xc: Bill Olson, Hydrologist, NMOCD, Santa Fe Office, NM
Mark Kelly, Petroleum Engineer - Team Lead, BLM, Farmington, NM (2 copies)
Terry Matthews, Regional Supervisor, Cross Timbers Oil Co., Farmington, NM

SCHEMATIC
NOT TO
SCALE

FIGURE 1



AUG 7, 2000

SAMP PT ID	OVM READING (ppm)
1 @ 7 FT.	196
2 @ 4 FT.	227
3 @ 4 FT.	362
4 @ 4 FT.	237
5 @ 4 FT.	221
TH-1 @ 8 FT	1,038
TH-2 @ 7 FT	115.4

OVM CALIB =
53.1 ppm
(relative to
52.0 ppm) @
6:37 am on
8/6/00

AUG 9, 2000

SAMP PT ID	OVM READING (ppm)
BH-1 @ 20 FT	134
BH-1 @ 22 FT	132
BH-1 @ 28 FT	148
BH-1 @ 31 FT	143

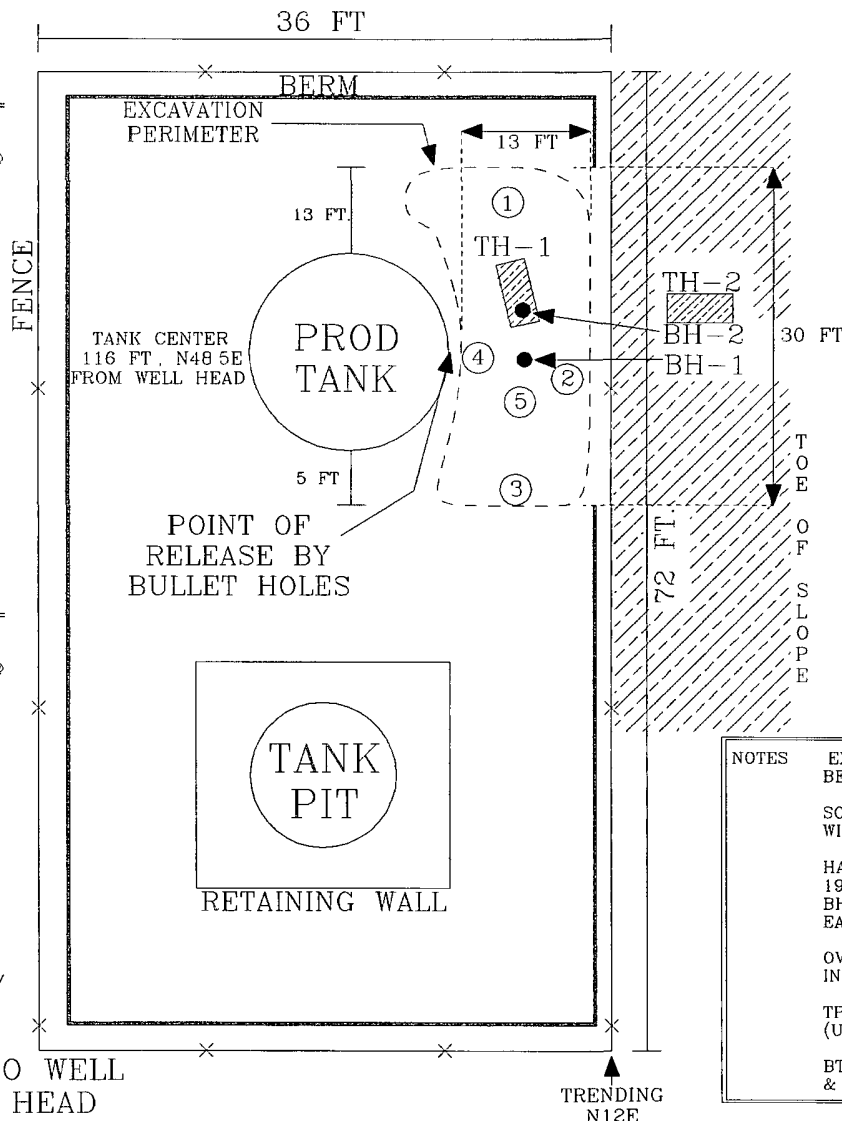
SEPT 6, 2000

SAMP PT ID	OVM READING (ppm)
BH-2 @ 35 FT	118.2
BH-2 @ 45 FT	99.5
BH-2 @ 50 FT	123.3
BH-2 @ 55 FT	99.5

OVM CALIB =
53.4 ppm
(relative to
52.0 ppm) @
8:20 am on
9/6/00

LABORATORY RESULTS

SAMP PT ID	TPH (ppm)	BENZENE (ppb)	TOTAL BTEX (ppb)
TH-1 @ 8 FT	3,820	1,190	6,250
BH-1 @ 22 FT.	10,600	—	—
BH-1 @ 31 FT.	2,050	—	—
BH-2 @ 55 FT.	244	—	—
STATE REGULATIONS	1,000	10,000	50,000
	OVM 100 ppm		



NOTES

EXCAVATION DEPTH @ APPROX 7 FT
BELOW GRADE

SOIL MOSTLY MOD YELL BROWN SAND
WITH NO DISCOLORATION OBSERVED

HARD SILTY SAND ENCOUNTERED APPROX
19 FT BELOW GRADE IN BH-1.
BH-1 DRILLED WITH BLAGG ENGINEERING
EARTHPROBE 200

OVM = ORGANIC VAPOR METER (FIELD
INSTRUMENT)

TPH = TOTAL PETROLEUM HYDROCARBONS
(USEPA METHOD 8015)

BTEX = BENZENE, TOLUENE, ETHYLBENZENE,
& TOTAL XYLENES (USEPA METHOD 8021)

CROSS TIMBERS OIL COMPANY

L.C. KELLY #5A

SW/4 NE/4 SEC. 3, T30N, R12W

SAN JUAN COUNTY, NEW MEXICO

BLAGG ENGINEERING, INC.

CONSULTING PETROLEUM / RECLAMATION SERVICES

P.O. BOX 87

BLOOMFIELD, NEW MEXICO 87413

PHONE (505) 632-1199

PROJECT SPILL CLEANUP

DRAWN BY: NJV

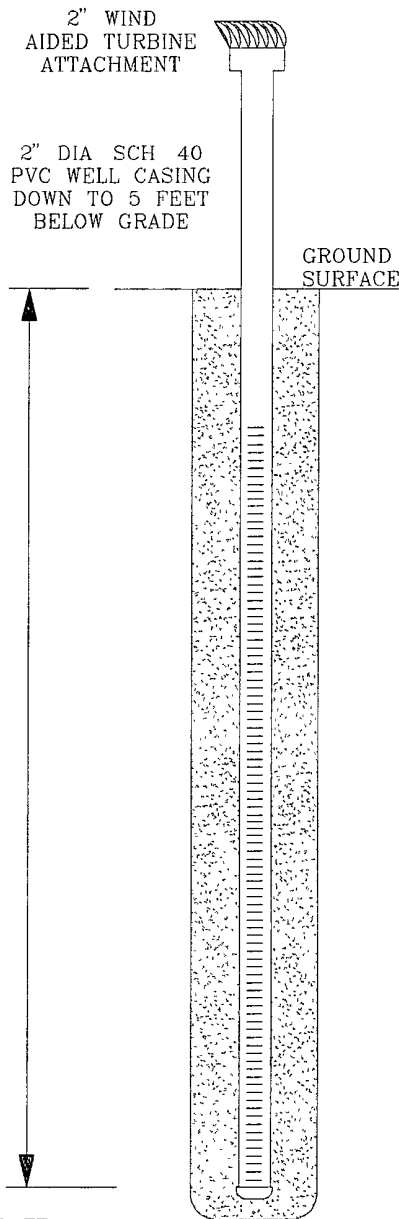
FILENAME KELLY5AR SKD

REVISED: 9/26/00

SITE
MAP

08/00

FIGURE 2



0.01 INCH SLOTTED
SCREEN SCH 40
WITH POINTED
END CAP FROM
5-55 FEET BELOW
GRADE

ANNULAR COMPLETED
WITH SOIL REMOVED
WITH HOLLOW STEM
AUGER

TOTAL DEPTH = 55.00 FT
FROM GROUND SURFACE

CROSS TIMBERS OIL COMPANY

L.C. KELLY # 5A

PASSIVE VENT PIPE CONSTRUCTION & COMPLETION

INSTALLED WITH MOBILE DRILL RIG

BLAGG ENGINEERING, INC.

CONSULTING PETROLEUM / RECLAMATION SERVICES

P.O. BOX 87

BLOOMFIELD, NEW MEXICO 87413

PHONE (505) 632-1199

VENT PIPING SCHEMATIC

DRAFTED BY: NJV

DATE: SEPT. '00

FILENAME: LCK-PVP.SKD

ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

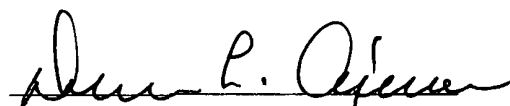
Client:	Blagg / Cross Timbers	Project #:	403410
Sample ID:	TH 1 @ 8'	Date Reported:	08-07-00
Laboratory Number:	H864	Date Sampled:	08-07-00
Chain of Custody No:	7330	Date Received:	08-07-00
Sample Matrix:	Soil	Date Extracted:	08-07-00
Preservative:	Cool	Date Analyzed:	08-07-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

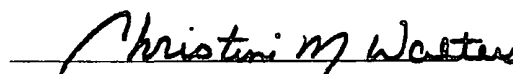
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3,590	0.2
Diesel Range (C10 - C28)	228	0.1
Total Petroleum Hydrocarbons	3,820	0.1

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: L. C. Kelly # 5A Tank Spill.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

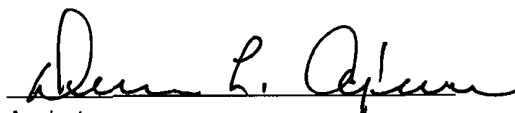
Client:	Blagg / Cross Timbers	Project #:	403410
Sample ID:	BH - 1 @ 22'	Date Reported:	08-09-00
Laboratory Number:	H880	Date Sampled:	08-09-00
Chain of Custody No:	7477	Date Received:	08-09-00
Sample Matrix:	Soil	Date Extracted:	08-09-00
Preservative:	Cool	Date Analyzed:	08-09-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	10,260	0.2
Diesel Range (C10 - C28)	333	0.1
Total Petroleum Hydrocarbons	10,600	0.1

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: L. C. Kelly # 5A Tank Spill.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

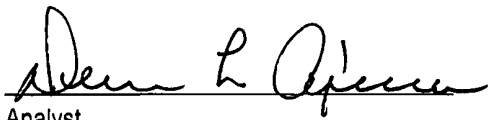
Client:	Blagg / Cross Timbers	Project #:	403410
Sample ID:	BH - 1 @ 31'	Date Reported:	08-10-00
Laboratory Number:	H882	Date Sampled:	08-09-00
Chain of Custody No:	7489	Date Received:	08-10-00
Sample Matrix:	Soil	Date Extracted:	08-10-00
Preservative:	Cool	Date Analyzed:	08-10-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

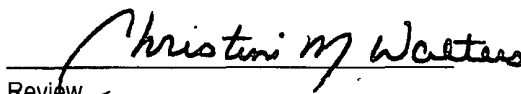
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,980	0.2
Diesel Range (C10 - C28)	67.0	0.1
Total Petroleum Hydrocarbons	2,050	0.1

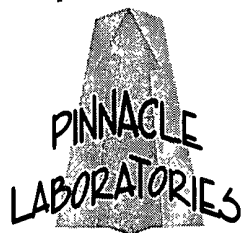
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: L. C. Kelly # 5A Tank Spill.


Analyst


Review



2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : ENVIROTECH, INC. PINNACLE I.D.: 009030
PROJECT # : 403410
PROJECT NAME : BLAGG/CROSS TIMBERS

AMPLE	DATE	DATE	DATE	DIL.		
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	BH2 @ 55/18081	NON-AQ	09/06/00	09/07/00	09/11/00	1

PARAMETER	DET. LIMIT	UNITS	BH2 @ 55/18081
FUEL HYDROCARBONS, C6-C10	10	MG/KG	230
FUEL HYDROCARBONS, C10-C22	10	MG/KG	14
FUEL HYDROCARBONS, C22-C36	10	MG/KG	< 10
CALCULATED SUM:			244

URROGATE:
O-TERPHENYL (%) 103
URROGATE LIMITS (66 - 151)

HEMIST NOTES:
N/A

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Cross Timbers	Project #:	403410
Sample ID:	TH 1 @ 8'	Date Reported:	08-07-00
Laboratory Number:	H864	Date Sampled:	08-07-00
Chain of Custody:	7330	Date Received:	08-07-00
Sample Matrix:	Soil	Date Analyzed:	08-07-00
Preservative:	Cool	Date Extracted:	08-07-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1,190	1.8
Toluene	976	1.7
Ethylbenzene	1,160	1.5
p,m-Xylene	1,230	2.2
o-Xylene	1,690	1.0
Total BTEX	6,250	

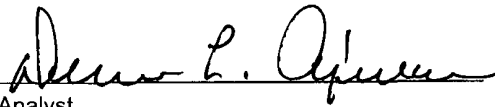
ND - Parameter not detected at the stated detection limit.

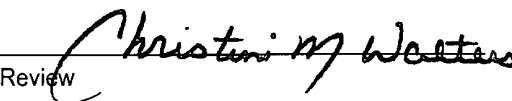
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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: L. C. Kelly # 5A Tank Spill.


Analyst


Review

CHAIN OF CUSTODY RECORD

7330

Client / Project Name BLAGG / CROSS TIMBERS			Project Location TANK SPILL L. C. KELLY # 5A		ANALYSIS / PARAMETERS								
Sampler: NJV			Client No. 403410		No. of Containers	TPH (8015)	BTEX (8023)					Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
TH1 @ 8'	8/7/00	0855	4864	SOIL	1	✓	✓						
Relinquished by: (Signature) <i>[Signature]</i>			Date 8/7/00	Time 0926	Received by: (Signature) <i>[Signature]</i>			Date 8.7.00	Time 926				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt			
											Y	N	N/A
										Received Intact	✓		
										Cool - Ice/Blue Ice	✓		

CHAIN OF CUSTODY RECORD

7477

Client / Project Name BLAGG / CROSS TIMBERS			Project Location TANK SPILL L.C. KELLY #5A		ANALYSIS / PARAMETERS									
Sampler: NJV			Client No. 403410		No. of Containers TPH (8015)							Remarks		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
BH-1 @ 22'	8/9/00	0905	14880	SOIL	1	✓						PRESERV. - COOL		
Relinquished by: (Signature) <i>[Signature]</i>			Date 8/9/00	Time 1124	Received by: (Signature) <i>[Signature]</i>						Date 8-9-00	Time 1124		
Relinquished by: (Signature)					Received by: (Signature)									
Relinquished by: (Signature)					Received by: (Signature)									
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615											Sample Receipt			
												Y	N	N/A
											Received Intact	✓		
											Cool - Ice/Blue Ice	✓		


CHAIN OF CUSTODY RECORD

7489

Client / Project Name BLAGE/CROSS TIMBERS			Project Location TANK SPILL L.C. KELLY #5A		ANALYSIS / PARAMETERS									
Sampler: NJV			Client No. 403410		No. of Containers TPH (3015)							Remarks		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
BH-1 @ 31'	8/9/00	1030	H882	SOIL	1	✓						PRESERV. - COOL		
Relinquished by: (Signature) <i>[Signature]</i>			Date 8/9/00	Time 1600	Received by: (Signature) <i>[Signature]</i>			Date 8/9/00	Time 1600					
Relinquished by: (Signature) <i>[Signature]</i>			Date 8/9/00	Time 0713	Received by: (Signature) <i>[Signature]</i>			Date 8/10/00	Time 0713					
Relinquished by: (Signature)					Received by: (Signature)									
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615											Sample Receipt			
												Y	N	N/A
											Received Intact	✓		
											Cool - Ice/Blue Ice	✓		

CHAIN OF CUSTODY RECORD

7484

Client / Project Name <i>CROSS TIMBERS / BLAGG</i>			Project Location <i>SPILL CLEANUP INVESTIGATION</i> <i>L.C. KELLY #5A</i>		ANALYSIS / PARAMETERS										
Sampler: <i>NTV</i>			Client No. <i>403410</i>		No. of Containers <i>TPH (80:15)</i>							Remarks			
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix											
<i>BH-2 @ 55'</i>	<i>9/6/00</i>	<i>1130</i>	<i>18081</i>	<i>SOIL</i>	<i>1</i>	<i>✓</i>						<i>PRESERV. - COOL</i>			
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>9/6/00</i>	Time <i>1234</i>	Received by: (Signature) <i>[Signature]</i>			Date <i>9/6/00</i>	Time <i>1515</i>						
Relinquished by: (Signature)					Received by: (Signature)										
Relinquished by: (Signature)					Received by: (Signature)										
ENVIROTECH INC.  5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt					
											Y	N	N/A		
										Received Intact					
										Cool - Ice/Blue Ice					