

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811, South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-141
Revised March 17, 1999

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

30-045-26141

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company Cross Timbers Operating Company	Contact Terry R. Matthews	
Address 6001 Highway 64	Telephone No. 505-632-5200	
Facility Name Duff Gas Com #1E	Facility Type Oil & Gas Well Location	
Surface Owner	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	34	30 N	12W	1770'	North	1480'	East	San Juan

NATURE OF RELEASE

Type of Release Working rig water	Volume of Release 50 bbls	Volume Recovered 0
Source of Release Rig steel working pit	Date and Hour of Occurrence 10/09/00 approx 11:00 a.m.	Date and Hour of Discovery 9:00 a.m. 10/10/00
Was Immediate Notice Given? When discovered. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Charlie Perrin NMOCD	
By Whom? Terry R. Matthews	Date and Hour 11:00 a.m. 10/10/00	
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.*

Polanco Brothers

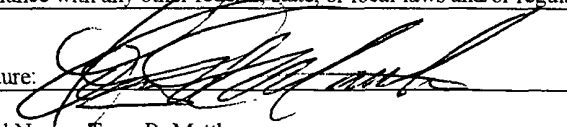
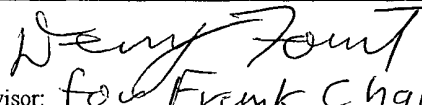
Describe Cause of Problem and Remedial Action Taken.*

After workover was completed and equipment was prepared for movement, a rig worker open the rig pit gate door which caused the spills. The rig company did not notify us, but a different service company the next morning. We immediately began checking the situation and contacted the rig pusher. They are aware it is their employee who caused it and any expenses will be paid by them.

Describe Area Affected and Cleanup Action Taken.*

After the OCD was contacted, Blagg Engineering was contacted to check the situation and began clean up. The area in contact with the water had approx 2" of soil removed (5 + yards) and stored on location to prevent spreading. Soil samples were taken and results sent to the OCD rep.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD 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, NMOCD 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: 	OIL CONSERVATION DIVISION	
Printed Name: Terry R. Matthews	Approved by District Supervisor: 	
Title: Production Superintendent	Approval Date: 10/18/00	Expiration Date:
Date: 10/13/00	Phone: 505-632-5200	Conditions of Approval: Accepted as Final Report
		Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary

N D G F 00285 29578

SCHEMATIC
NOT TO
SCALE

FIGURE 1



DOWN
SLOPE
DIRECTION

#1 DG-3PC SAMPLE
(3 PT COMPOSITE SAMPLE)

#2

#3
(135 FT, N23W
FROM WELL HEAD)

SS-41-WH SAMPLE
(GRAB SAMPLE)

EDGE OF WELL PAD

WELL
HEAD

APPROXIMATE AREA OF
SURFACE SOIL REMOVAL.

Between 1-3 inches
scraped by backhoe
on October 10, 2000

Approximately 5-10
cubic yards of impacted
soil was scraped and
removed

APPROXIMATE AREA OF
APPARENT DISCOLORED &
IMPACTED SURFACE
(orange tinge staining)

OCT 10 & 11, 2000

SAMP PT ID	LAB RESULTS
SS-41-WH	TPH = 115 ppm
SS-41-WH	BENZENE = ND ppb
SS-41-WH	TOT BTEX = 289 ppb
DG-3PC	TPH = 156 ppm
DG-3PC	BENZENE = 45 ppb
DG-3PC	TOT BTEX = 615 ppb

STATE REGULATIONS FOR SITE TPH - 5,000 ppm,
BENZENE - 10,000 ppb, TOT BTEX - 50,000 ppb.

NOTES ppm = parts per million
ppb = parts per billion
ND = parameter not detected at
the stated detection limit

SS-41-WH = Surface soil 41 ft
from well head
DG-3PC = Down gradient 3 point
composite

CROSS TIMBERS OIL COMPANY

DUFF GC #1E

SW/4 NE/4 SEC 34, 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 WATER SPILL

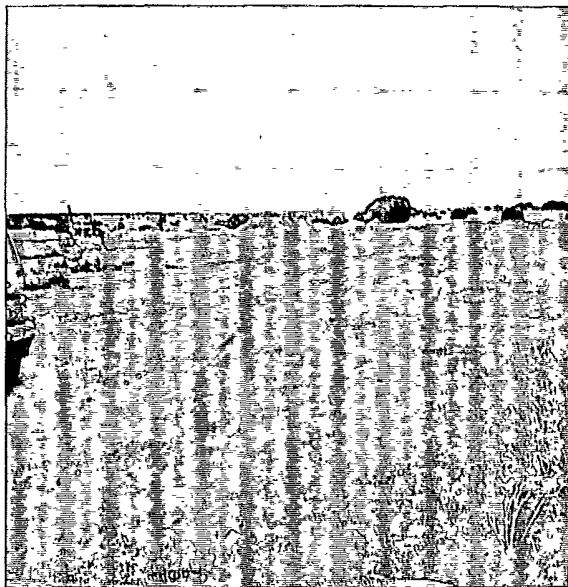
DRAWN BY: NJV

FILENAME: DUFF-1E.SKD

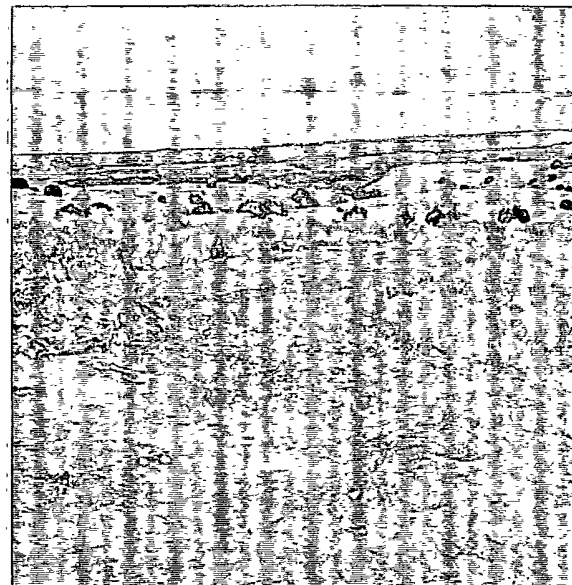
SITE
MAP

10/00

FIGURE 2



WELL PAD AREA AFTER
CLEAN UP



DOWN SLOPE DIRECTION
AFTER CLEAN UP
DIMENS. APPROX. 30' X 40'

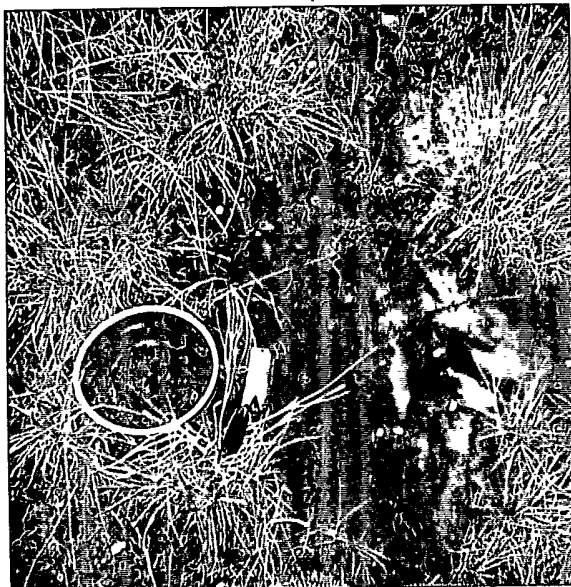
CROSS TIMBERS OIL COMPANY
DUFF GC #1E
SW/4 NE/4 SEC 34, T30N, R12W
SAN JUAN COUNTY, NEW MEXICO

BLAGG ENGINEERING, INC.
CONSULTING PETROLEUM / RECLAMATION SERVICES
P.O. BOX 87
BLOOMFIELD, NEW MEXICO 87413
PHONE (505) 632-1199

PROJECT WATER SPILL
DRAWN BY NJV
FILENAME. DUFF-SP SKD

SITE
PHOTOS
10/00

FIGURE 3



DUFF GC 1E - WATER
SAMPLE PT. #3 SPILL
BEFORE SAMPLING



DUFF GC 1E - WATER SPILL
SAMPLE PT. #3
AFTER SAMPLING

CROSS TIMBERS OIL COMPANY
DUFF GC #1E
SW/4 NE/4 SEC. 34, 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 WATER SPILL

DRAWN BY. NJV

FILENAME: DUFF-SP3 SKD

SITE
PHOTOS
10/00

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

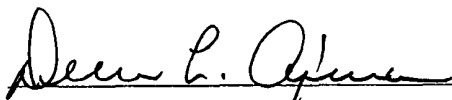
Client:	Blagg / CTOC	Project #:	403410
Sample ID:	SS - 41 - WH	Date Reported:	10-12-00
Laboratory Number:	18329	Date Sampled:	10-10-00
Chain of Custody No:	7500	Date Received:	10-11-00
Sample Matrix:	Soil	Date Extracted:	10-12-00
Preservative:	Cool	Date Analyzed:	10-12-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

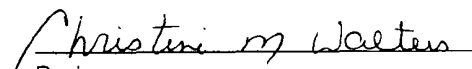
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.9	0.2
Diesel Range (C10 - C28)	9.6	0.1
Total Petroleum Hydrocarbons	11.5	0.1

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: Duff GC #1E Water Spill. Grab Sample.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / CTOC	Project #:	403410
Sample ID:	SS - 41 - WH	Date Reported:	10-12-00
Laboratory Number:	18329	Date Sampled:	10-10-00
Chain of Custody:	7500	Date Received:	10-11-00
Sample Matrix:	Soil	Date Analyzed:	10-12-00
Preservative:	Cool	Date Extracted:	10-12-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	37.2	1.7
Ethylbenzene	19.0	1.5
p,m-Xylene	201	2.2
o-Xylene	31.7	1.0
Total BTEX	289	

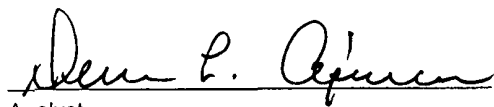
ND - Parameter not detected at the stated detection limit.

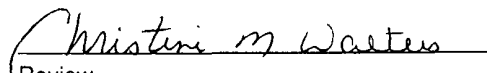
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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: Duff GC #1E Water Spill. Grab Sample.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

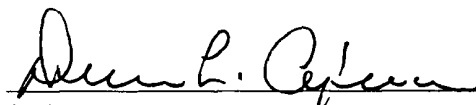
Client:	Blagg / CTOC	Project #:	403410
Sample ID:	DG - 3PC	Date Reported:	10-12-00
Laboratory Number:	18330	Date Sampled:	10-11-00
Chain of Custody No:	7500	Date Received:	10-11-00
Sample Matrix:	Soil	Date Extracted:	10-12-00
Preservative:	Cool	Date Analyzed:	10-12-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

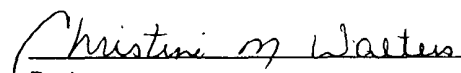
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.4	0.2
Diesel Range (C10 - C28)	14.2	0.1
Total Petroleum Hydrocarbons	15.6	0.1

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: **Duff GC #1E Water Spill. 3 Pt. Composite.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / CTOC	Project #:	403410
Sample ID:	DG - 3PC	Date Reported:	10-12-00
Laboratory Number:	18330	Date Sampled:	10-11-00
Chain of Custody:	7500	Date Received:	10-11-00
Sample Matrix:	Soil	Date Analyzed:	10-12-00
Preservative:	Cool	Date Extracted:	10-12-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	4.5	1.8
Toluene	75.2	1.7
Ethylbenzene	31.7	1.5
p,m-Xylene	391	2.2
o-Xylene	113	1.0
Total BTEX	615	

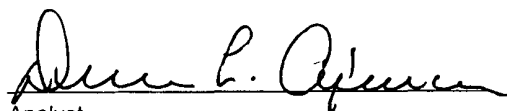
ND - Parameter not detected at the stated detection limit.

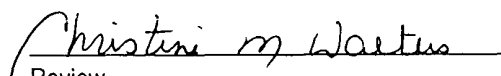
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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: Duff GC #1E Water Spill. 3 Pt. Composite.


Analyst


Review

CHAIN OF CUSTODY RECORD

7500

Client / Project Name CTOC / BLABG			Project Location WATER SPILL DUFF GC #1E		ANALYSIS / PARAMETERS									
Sampler: NTV			Client No. 403410		No. of Containers	BTEX (8021)	TPH (8015)					Remarks		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								GRAB SAMPLE ^{NTV}		
SS-41-WH	10/10/00	1620	18329	SOIL	1	✓	✓					PRESERV. - COOL GRAB SAMPLE		
DG-3PC	10/11/00	0845	18330	SOIL	1	✓	✓					PRESERV. - COOL 3 PT. COMPOSITE		
Relinquished by: (Signature) <i>[Signature]</i>			Date 10/11/00	Time 0925	Received by: (Signature) <i>[Signature]</i>			Date 10/11/00	Time 925					
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	✓		