

December 28, 2016

Oil Conservation Division
District 2 – Artesia
811 S. First St.
Artesia, NM 88210

**Re: Firefox 4 Federal Com #005H
30-015-41423
Sec. 4, T19S-R31E
Eddy County, NM**

Mr. Bratcher/Ms. Tucker,

COG Operating LLC would like to submit the enclosed documents for closure of the above captioned well. The closure request is in response to the C-141 Initial report dated September 16, 2016.

The impacted area of the pasture was sampled on October 14, 2016 to delineate any possible contamination from the release. Attached you will find a site diagram depicting the release area and location of sample points along with the corresponding analytical results. According to the analytical results, no excavation is required.

A signed C-141 Final is enclosed for your consideration. Please feel free to contact me with any questions or concerns at (575) 748-6933.

Sincerely,



Dakota Neel
Environmental Coordinator

Enclosed

- (1) Site Diagram
- (2) Analytical Results
- (3) C-141 Initial (Copy)
- (4) C-141 Final

CORPORATE ADDRESS

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701
P 432.683.7443 | F 432.683.7441



CARLSBAD OFFICE

1401 Commerce Drive | Carlsbad, New Mexico 88220
P 575.689.3100 | F 575.941.2081

Firefox 4 Federal Com #5

Firefox 4 Federal Com #5

API: 30-015-41423

Legend
 AOI Pasture
 Sample Points

S1	DRO	GRO	TPH	BTEX	CI-
Surface	<10.0	<10.0	<10.0	<0.300	<16
1'	<10.0	<10.0	<10.0	<0.300	<16
S2	DRO	GRO	TPH	BTEX	CI-
Surface	<10.0	<10.0	<10.0	<0.300	<16
1'	<10.0	<10.0	<10.0	<0.300	<16





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

October 18, 2016

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: FIREFOX 4 FED COM #5H

Enclosed are the results of analyses for samples received by the laboratory on 10/12/16 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
DAKOTA NEEL
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 10/12/2016
Reported: 10/18/2016
Project Name: FIREFOX 4 FED COM #5H
Project Number: NONE GIVEN
Project Location: EDDY COUNTY

Sampling Date: 10/04/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Angela Cabrera

Sample ID: S1 - SURFACE (H602306-01)

BTEX 80218		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2016	ND	2.35	118	2.00	0.427	
Toluene*	<0.050	0.050	10/14/2016	ND	2.44	122	2.00	0.401	
Ethylbenzene*	<0.050	0.050	10/14/2016	ND	2.37	118	2.00	0.470	
Total Xylenes*	<0.150	0.150	10/14/2016	ND	7.18	120	6.00	0.363	
Total BTEX	<0.300	0.300	10/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 97.8 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/13/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/13/2016	ND	184	91.8	200	5.61	
DRO >C10-C28	<10.0	10.0	10/13/2016	ND	191	95.7	200	5.61	

Surrogate: 1-Chlorooctane 80.6 % 35-147

Surrogate: 1-Chlorooctadecane 95.6 % 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
DAKOTA NEEL
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 10/12/2016
Reported: 10/18/2016
Project Name: FIREFOX 4 FED COM #5H
Project Number: NONE GIVEN
Project Location: EDDY COUNTY

Sampling Date: 10/04/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Angela Cabrera

Sample ID: S1 - 1' (H602306-02)

BTEX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2016	ND	2.34	117	2.00	1.75	
Toluene*	<0.050	0.050	10/14/2016	ND	2.47	123	2.00	2.13	
Ethylbenzene*	<0.050	0.050	10/14/2016	ND	2.42	121	2.00	1.68	
Total Xylenes*	<0.150	0.150	10/14/2016	ND	7.34	122	6.00	1.80	
Total BTEX	<0.300	0.300	10/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 98.6 % 73.6-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/13/2016	ND	400	100	400	3.92	
TPH 8015M									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2016	ND	184	91.8	200	5.61	
DRO >C10-C28	<10.0	10.0	10/14/2016	ND	191	95.7	200	5.61	

Surrogate: 1-Chlorooctane 78.2 % 35-147

Surrogate: 1-Chlorooctadecane 82.6 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
DAKOTA NEEL
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 10/12/2016
Reported: 10/18/2016
Project Name: FIREFOX 4 FED COM #5H
Project Number: NONE GIVEN
Project Location: EDDY COUNTY

Sampling Date: 10/04/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Angela Cabrera

Sample ID: S2 - SURFACE (H602306-05)
BTEX 8021B

mg/kg

Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2016	ND	2.34	117	2.00	1.75	
Toluene*	<0.050	0.050	10/14/2016	ND	2.47	123	2.00	2.13	
Ethylbenzene*	<0.050	0.050	10/14/2016	ND	2.42	121	2.00	1.68	
Total Xylenes*	<0.150	0.150	10/14/2016	ND	7.34	122	6.00	1.80	
Total BTEX	<0.300	0.300	10/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 99.0 % 73.6-140

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/13/2016	ND	400	100	400	3.92	

TPH 8015M

mg/kg

Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2016	ND	184	91.8	200	5.61	
DRO >C10-C28	<10.0	10.0	10/14/2016	ND	191	95.7	200	5.61	

Surrogate: 1-Chlorooctane 78.5 % 35-147

Surrogate: 1-Chlorooctadecane 83.4 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
DAKOTA NEEL
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 10/12/2016
Reported: 10/18/2016
Project Name: FIREFOX 4 FED COM #5H
Project Number: NONE GIVEN
Project Location: EDDY COUNTY

Sampling Date: 10/04/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Angela Cabrera

Sample ID: S2 - 1' (H602306-06)

BTEX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2016	ND	2.34	117	2.00	1.75	
Toluene*	<0.050	0.050	10/14/2016	ND	2.47	123	2.00	2.13	
Ethylbenzene*	<0.050	0.050	10/14/2016	ND	2.42	121	2.00	1.68	
Total Xylenes*	<0.150	0.150	10/14/2016	ND	7.34	122	6.00	1.80	
Total BTEX	<0.300	0.300	10/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 98.2 % 73.6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/13/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2016	ND	184	91.8	200	5.61	
DRO >C10-C28	<10.0	10.0	10/14/2016	ND	191	95.7	200	5.61	

Surrogate: 1-Chlorooctane 89.0 % 35-147

Surrogate: 1-Chlorooctadecane 92.8 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: FIREFOX 4 FEDERAL COM #005H	Facility Type: Battery

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-41423
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LOCATION OF RELEASE

Unit Letter M	Section 4	Township 19S	Range 31E	Feet from the 670	North/South Line South	Feet from the 250	East/West Line West	County Eddy
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Latitude 32.684082 Longitude -103.8822098

NATURE OF RELEASE

Type of Release: Oil and Rainwater	Volume of Release: 7 bbls oil	Volume Recovered: 0.5
Source of Release: Illegal Dump	Date and Hour of Occurrence: 9/2/2016 unknown	Date and Hour of Discovery: 9/2/2016 11:45 a.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
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.*


Describe Cause of Problem and Remedial Action Taken.*

This release was caused by a third-party water hauler discharging the contents of his truck on the road. The driver was removing standing rainwater from a recent rain storm when the discharge took place. The portion of the release in the pasture was sprayed with microblaze.

Describe Area Affected and Cleanup Action Taken.*

The release impacted the pasture adjacent to the road as well as a portion of the lease road. Concho had the site sampled to delineate any possible contamination from the release.

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: Dakota Neel		Approved by Environmental Specialist:	
Title: Environmental Coordinator		Approval Date:	Expiration Date:
E-mail Address: dneel2@concho.com		Conditions of Approval:	
Date: December 28, 2016 Phone: 575-748-6933		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: FIREFOX 4 FEDERAL COM #005H	Facility Type: Battery

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-41423
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LOCATION OF RELEASE

Unit Letter M	Section 4	Township 19S	Range 31E	Feet from the 670	North/South Line South	Feet from the 250	East/West Line West	County Eddy
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Latitude 32.684082 Longitude -103.8822098

NATURE OF RELEASE

Type of Release: Oil and Rainwater	Volume of Release: 7 bbls oil	Volume Recovered: 0.5
Source of Release: Illegal Dump	Date and Hour of Occurrence: 9/2/2016 unknown	Date and Hour of Discovery: 9/2/2016 11:45 a.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
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.*


Describe Cause of Problem and Remedial Action Taken.*

This release was caused by a third-party water hauler discharging the contents of his truck on the road. The driver was removing standing rainwater from a recent rain storm when the discharge took place. The portion of the release in the pasture was sprayed with microblaze.

Describe Area Affected and Cleanup Action Taken.*

The release impacted the pasture adjacent to the road as well as a portion of the lease road. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

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: Dakota Neel		Approved by Environmental Specialist:	
Title: Environmental Coordinator		Approval Date:	Expiration Date:
E-mail Address: dneel2@concho.com		Conditions of Approval:	
Date: September 16, 2016 Phone: 575-748-6933		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary