



Dakota Neel
Environmental Coordinator

September 28, 2016

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

**Re: Running Buffalo 1 Federal Com #1H
30-015-41538
Sec. 1, T21S-R28E
Eddy County, NM**

Ms. Patterson/Ms. Price,

COG Operating LLC would like to submit for your consideration the enclosed documents for closure of the above captioned release. The closure is in response to the C-141 Initial report dated May 11, 2016 in which 5 bbls of oil was released with 0 bbls recovered.

All work has been performed in accordance with the approved work plan and stipulations set by the NMOCD District 2. Surface tillage and microblaze application were conducted in July and August and secondary soil samples were taken on September 19, 2016 and the results were within RRAL's for a site ranking of zero.

A C-141 Final and analytical results have been attached for your consideration. Please feel free to contact me with any questions.

Site Ranking: Zero

Depth to GW per Trend Map: 125'

S1	DRO	GRO	TPH	BTEX
Sf	1620	<50	1620	0.409
1'	ND	ND	ND	ND

Sincerely,

Dakota Neel
Environmental Coordinator

Enclosed

- (1) C-141 Final
- (2) Laboratory Analysis
- (3) C-141 Initial (Copy)

CORPORATE ADDRESS

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701
PHONE 432.683.7443 | FAX 432.683.7441

LOCAL ADDRESS

Concho West | 2208 Main Street | Artesia, New Mexico 88210
PHONE 575.748.6940 | FAX 575.746.2096

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.	432-683-7443
Facility Name:	RUNNING BUFFALO 1 FEDERAL COM #001H	Facility Type:	Battery

Surface Owner:	BLM	Mineral Owner:	Federal	API No.	30-015-41538
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	01	21S	28E	1980'	South	1090'	East	Eddy

Latitude 32.5074463 Longitude -104.03508

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 5 bbls Oil	Volume Recovered: 0 bbls Oil
Source of Release: Flare	Date and Hour of Occurrence: 5/3/2016, unknown	Date and Hour of Discovery: 5/3/2016 10:00 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 when the dump valve remained closed, causing fluid to go to the flare. The result was a hydrocarbon spray over the vegetation in the pasture.

Describe Area Affected and Cleanup Action Taken.*

The impacted area was approximately 0.3 acre. This release was remediated with an approved work plan under the guidance of NMOCD and BLM.

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.

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

* Attach Additional Sheets If Necessary



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

September 27, 2016

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: RUNNING BUFFALO

Enclosed are the results of analyses for samples received by the laboratory on 09/21/16 13:00.

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: 09/21/2016
Reported: 09/27/2016
Project Name: RUNNING BUFFALO
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/19/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: S 1 - SURFACE (H602127-01)

BTEX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2016	ND	1.82	91.1	2.00	0.992	
Toluene*	0.114	0.050	09/24/2016	ND	1.84	92.1	2.00	0.714	
Ethylbenzene*	0.106	0.050	09/24/2016	ND	1.77	88.4	2.00	0.904	
Total Xylenes*	0.190	0.150	09/24/2016	ND	5.32	88.7	6.00	1.05	
Total BTEX	0.409	0.300	09/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 96.8 % 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	09/26/2016	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	09/22/2016	ND	178	89.2	200	7.92	
DRO >C10-C28	1620	50.0	09/22/2016	ND	176	88.0	200	8.92	

Surrogate: 1-Chlorooctane 56.4 % 35-147

Surrogate: 1-Chlorooctadecane 133 % 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: 09/21/2016
Reported: 09/27/2016
Project Name: RUNNING BUFFALO
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/19/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: S 1 - 1' (H602127-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2016	ND	1.82	91.1	2.00	0.992	
Toluene*	<0.050	0.050	09/24/2016	ND	1.84	92.1	2.00	0.714	
Ethylbenzene*	<0.050	0.050	09/24/2016	ND	1.77	88.4	2.00	0.904	
Total Xylenes*	<0.150	0.150	09/24/2016	ND	5.32	88.7	6.00	1.05	
Total BTEX	<0.300	0.300	09/24/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.3 % 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	09/26/2016	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/22/2016	ND	178	89.2	200	7.92	
DRO >C10-C28	<10.0	10.0	09/22/2016	ND	176	88.0	200	8.92	

Surrogate: 1-Chlorooctane 72.4 % 35-147

Surrogate: 1-Chlorooctadecane 82.7 % 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

Notes and Definitions

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

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL
Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10F1

Company Name: COG Operating LLC

Project Manager: Dakota Neel

Address: 2208 West Main

City: Artesia

Phone #: 432-215-2783

Project #:

Project Name: Running Buffalo

Project Location:

Sampler Name: Dakota Neel

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: COG Operating LLC

Attn: Robert McNeill

Address: 600 W Illinois

City: Midland

State: TX Zip: 79701

Phone #: (432) 221-0388

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H00017
1/2

S1-Surface
S1-1'

(G)RAB OR (C)OMP

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE

ICE / COOL

OTHER:

DATE

9/19/16

TIME

2:30 p.m.

BTEX

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

RELINQUISH BY: Date: 9-21-16 Time: 13:00 Received By: [Signature] Relinquished By: [Signature] Time: [Signature]

Phone Result: Yes No Add'l Phone #: Fax Result: Yes No Add'l Fax #: REMARKS: dneel2@concho.com

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

3.80

Sample Condition Cool Intact Yes No

CHECKED BY: [Signature]

1. Please fax written changes to 575-393-2476

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.	432-683-7443
Facility Name:	RUNNING BUFFALO 1 FEDERAL COM #001H	Facility Type:	Battery

Surface Owner:	BLM	Mineral Owner:	Federal	API No.	30-015-41538
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	01	21S	28E	1980'	South	1090'	East	Eddy

Latitude 32.5074463 Longitude -104.03508

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 5 bbls Oil	Volume Recovered: 0 bbls Oil
Source of Release: Flare	Date and Hour of Occurrence: 5/3/2016, unknown	Date and Hour of Discovery: 5/3/2016 10:00 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 when the dump valve remained closed, causing fluid to go to the flare. The result was a hydrocarbon spray over the vegetation in the pasture.

Describe Area Affected and Cleanup Action Taken.*

The impacted area was approximately 0.3 acre. Microblaze was applied to the impacted area. 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: Amanda Trujillo Davis	Approved by Environmental Specialist:		
Title: Senior Environmental Coordinator	Approval Date:	Expiration Date:	
E-mail Address: atrujillo@concho.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: May 11, 2016 Phone: 575-748-6940			

* Attach Additional Sheets If Necessary