

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

Dato Reel

Enclosed

(1) C-141 Final

(2) Laboratory Analysis

(3) C-141 Initial (Copy)

District I 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 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**

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

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

Release Notification and Corrective Action

Form C-141

Revised August 8, 2011

					OPERA	TOR	☐ Initial Report ⊠ Final Repo						
Name of C			3 Operati		Contact: Robert McNeill								
Address:				iland TX 79701	Telephone No. 432-683-7443								
Facility Na	me: RUNN	ING BUFFAL	O I FED	ERAL COM #001H	Facility Ty	e: Battery							
Surface Ov	ner: BLM			Mineral Ow	ner: Federal		API No.	30-015-4	1538				
				LOCAT	ION OF RE	LEASE							
Unit Letter	Section	Township	Range	1 I	North/South Line	Feet from the	East/West Line		Count	*			
1	01	21S	28E	1980'	South	1090'	East		Eddy	<u>'</u>			
)74463 Longitu								
Type of Rele	are.			NATU	Volume of		Volume R		167				
Oil	asc.				5 bbls Oil	Release:	0 bbls Oil	ecovered:					
Source of Re	lease:				Date and I	lour of Occurrence		lour of Dis	covery:				
Flare		21 0			5/3/2016,		5/3/2016 I	0:00 am					
Was Immedi	ate Notice (Yes [No 🔯 Not Requ	ired If YES, To	Whom?							
By Whom?				<u> </u>	Date and I	lour:							
Was a Water	course Read				If YES, V	olume Impacting th	ie Watercourse.						
		Ц	Yes 🗵	No									
If a Waterco	urse was Im	pacted, Descri	be Fully.	•									
		and Cleanup A		en.* This release was ren	nediated with an a	pproved work plan	under the guidance	e of NMOC	D and I	BLM.			
regulations a public health should their or the enviro	Il operators or the envi- operations h nment. In a	are required to ronment. The ave failed to a	report an acceptanc dequately CD accep	is true and complete d/or file certain relea e of a C-141 report l investigate and rem tance of a C-141 rep	ase notifications a by the NMOCD m ediate contaminati	nd perform correct arked as "Final Re on that pose a thre e the operator of re	ive actions for rele port" does not relic at to ground water, esponsibility for co	ases which we the open surface wa mpliance w	may en ator of ter, hun ith any	danger liability nan health			
	٨					OIL CONS	ERVATION 1	DIVISIO	N				
	Jak	of New											
Signature:					Approved by	Approved by Environmental Specialist:							
Printed Nam	e: Dakota l	Neel											
Title:	Environ	nental Coordii	nator		Approval Date	te:	Expiration D	ate:					
E-mail Addr	ess: dneel2	aconcho.com			Conditions of	Approval:							
				#40 CO22			Attached						
Date: Septer Attach Addi		ts If Necessa		-748-6933									



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/qa/lab accredited accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab 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/qa/lab accredited analytes are denoted by a complete list of accredited analytes are denoted by a second certification and the second certification accredited analytes are denoted by the second certification accredited analytes are denoted by a second certification accredited analytes are denoted by the second

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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: Project Location:

NONE 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 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 (PIC	96.8	% 73.6-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	d 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	Analyze	d By: MS			<u>.</u>		
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	56.45	% 35-147	,	-					
Surrogate: I-Chlorooctadecane	133 9	6 28-171							

Cardinal Laboratories

*=Accredited Analyte

PLEASE MOTE: Listifity and Damages. Cardinal's bability and charts exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by claim for analyses. All claims, including those for negligence any other cause virtuationers that the determined various unless made in writing and excurred by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be listed for incidental or consequential damages including without amounts of the contract of the services incomposition, loss of use, or loss of profits incurred by Cardinal, regardless of whether suct claims to beside upon any of the above stated resource or otherwise. Results related only to the samples identified above. They may shall not be reproduced except in full with written approval of Cardinal Edometrics.

Celey D. Kenne



Analytical Results For:

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

Received:

09/21/2016

Reported: Project Name: 09/27/2016 **RUNNING BUFFALO**

Project Number: Project Location: **NONE GIVEN 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	Analyze	d 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					

Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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: I-Chlorooctane

72.4%

35-147

Surrogate: 1-Chlorooctadecane

82.7%

28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTTE: Liability and Damages. Cardinal's Bability and client's exclusive remody for any other cause whicknever shall be deemed waived unless made in writing and received by any other clase whatsoever shall be deemed valved unless made in valve during and received by Cardinal within thinty (30) days after completion of the applicable service, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidience, entitience or successors arising out of or related to the 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 Labor

Cellago Kome

Celey D. Keene, Lab Director/Quality Manager



ND

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

PLEASE NOTE: Liability and Damages. Cardnal's liability and cleams exclusive remote for any steam ensuing, whether besed in contract or tout, shall be limited to the amount paid by chert for analyses. All cleams, including those for negligence any offer clause whistonever shall be deemed usered usered usered unless mode in writing and necessed by Cardnal within thirty (30) days, after completion of the applicable service. In no event shall Cardnal be fisable for incidental or consequential distinctions, transmiss informations, loss of use, or loss of use, or loss of portions incurred by Certain in blasted uson any of the above titled reasons or otherwise. Results related reasons or otherwise. Results related or only to the services in the window approval of Cardnal Liboratories.

Cellag Strome

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 383-2326 FAX (575) 383-2476

Company: COG Operating LLC Company: COG Operating LLC City: Robert McNeill State: TX Zip: 79701 Phone #: (432) 221-0388 Fax #: GROUNDWATER FAX #E GROUNDWATER GROUNDW	Relinquished By:		one including these word shall Conduct to					7	-	HICONINT	FOR IVE USE ONLY	Sampler Name: Dakot	Project Location:	Project Name: Running Buffalo	Project #:	Phone #: 432-215-2783	City: Artesia	Address: 2208 West Main	Project Manager: Dakot	
Company: COG Operating LLC Zip 88210 Attn: Robert McNeil Address: 600 W lithous City: National MacNeil State: TX Zip: 79701 Phone #: (432) 221-0388 Fax #: ACID/BASE OTHER: ACID/BASE ICE / COOL OTHER ACID/BASE ICE / COOL OTHER SOIL OTHER SOIL OTHER ACID/BASE ICE / COOL OTHER SITES TIME BTEX X X X Chloride Regarded By: Received By: Received By: Company: COG Operating LLC Address: 600 W lithouts Robert McNeil Acid/BASE ICE / COOL OTHER SOIL OTHER ACID/BASE ICE / COOL OTHER SITES X X X X X Chloride Received By: Received By: Repaired to the first desired to the first de	Date:	21-12- fe	5 2 1 1	1			And the state of t	S1-1 ¹	S1-Surface	Sample I.D.		a Neel		Juffalo	Project Own		State: NM	in	a Neel	
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X X TPH X X Chloride	KEMAKKS	Phone Result:	ye after completen of the app ad by churt, its references and customs or otherwise	Strate and	WHILE OF THE PARTY OF THE BUILDING PARTY OF				2:30 p.m.	T R	MPLING		0388	79701	diand	W Itinois	1 McNeill	Operating LLC		
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AddT Phone #: AddT Fax #:	IQ.			-				×	×	Chloride								_		
	eel2@concho.c				-			apr manife.	and distribution of the state o											
	<u>om</u>														1					

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

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

TIMe:

Sample Condition Cool Intact Lives Lives

10F

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

Form C-141 Revised August 8, 2011

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

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

			Kele	ase Notific	atio	n and Co	rrective A	ction	l					
						OPERA	ΓOR							
Name of Co	mpany:	COC	3 Operati	ng LLC		Contact:		Ro	bert McNeill					
Address:				lland TX 79701		Telephone N	No.	2-683-744:						
Facility Nar	ne: RUNN	ING BUFFAL	O 1 FEDI	ERAL COM #001	IH	Facility Typ	e: Battery							
Surface Ow	non DIM		-	Mineral C		17 - 4 1			LADINI	. 30-015-4	11530			
Surface OW	ner. bliv			Ivilneral C	wner:	rederai			API NO	. 30-013-4	11338		_	
	I 6	l m				N OF REI		l = -						
Unit Letter	Section 01	Township 21S	Range 28E	Feet from the 1980'	North	/South Line South	Feet from the 1090'		West Line East		Count Eddy	-		
				Latitude 32	.50744	63 Longitud	le -104.03508							
				NAT	URE	OF RELI	EASE							
Type of Rele	ase:		•			Volume of	Release:		Volume R	lecovered:				
Oil Source of Re	1					5 bbls Oil	our of Occurrence		0 bbls Oil	UCD:-	73		_	
Flare	iease:					5/3/2016 , i		e:	5/3/2016	Hour of Dis	covery:			
Was Immedia	ate Notice (Given?		3.1		If YES, To			370,2010	10.00 4111				
			Yes	No 🛛 Not Re	equired									
By Whom?		х.		-		Date and H								
Was a Water	course Read	:hed?				If YES, Vo	lume Impacting t	he Wate	rcourse.					
			Yes 🗵	No										
If a Watercou	rse was Im	pacted, Descri	be Fully.*											
December Cour	on of Droble	em and Remed	lial Action	Talson #									_	
Describe Cau	13C 01 1 100 II	em and Remed	nai Actioi	Taken.										
This release v	vas caused	when the dum	p valve re	mained closed, ca	using f	luid to go to th	e flare. The resul	lt was a	hydrocarbo	n spray ove	r the ve	getation i	n	
the pasture.									-			_		
Describe Are	a Affected	and Cleanup A	ction Tak	en.*										
							area. Concho w the NMOCD for							
work.	ammanon i	ioni ule releas	e and we v	viii present a tem	eulation	i work pian to	the NMOCD for	approv	ai prior io a	ny signinca	nt reme	diation		
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]	don	and T.	Danie				OIL CONS	<u>SERV</u>	ATION	<u>DIV</u> ISIC	<u>N</u>			
Signature:														
Drintad Mass	. Amanda	Trujillo Davis	c			Approved by	Environmental S ₁	necialist						
rimed ivame	. Animida	Trujulo Davi:	D		-	- pprovod by			•				\dashv	
Title:	Senior E	nvironmental	Coordinat	or	\perp	Approval Date	2:	1	Expiration D	Date:				
 E-mail Addre	ss: atruiille	@concho.con	n			Conditions of	Approval:				_			
							1000			Attached				
Date: May 1	1, 2016	Phone:	575-748-6	940										

^{*} Attach Additional Sheets If Necessary