

December 28, 2016

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

Re: Grave Digger State Com #8H

30-015-43397 N-02-20S-25E Eddy County, NM

Mr. Mike Bratcher,

COG Operating LLC would like to submit the enclosed documents for closure of the above captioned well. This closure request is in response to the release that occurred on December 21, 2015.

All work has been completed in accordance with the work plan submitted to the NMOCD and approved on September 19, 2016. The work plan included excavation of areas S1 and S3 to a depth of 4' and 1' respectively. A bottom hole sample was taken in the area of S1 after excavation and the analytical results are attached. The excavated area was backfilled with like materials.

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

Salot Reg

Enclosure(s): Analytical Results
C-141 Final
C-141 Initial (Copy)



October 14, 2016

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: GRAVEDIGGER STATE 8

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 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:

10/12/2016

Reported:

10/14/2016

Project Name:

GRAVEDIGGER STATE 8

Project Number: Project Location:

NONE GIVEN

Sampling Date:

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

10/03/2016

Sample Received By:

Angela Cabrera

Sample ID: S1 - 4' (H602307-01)

Chloride, SM4500Cl-B mg/kg		'kg	g Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/13/2016	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's Babeliny and cleart's exclusive remedy for any clean arising, whether based in contract or tont, shall be limited to the amount paid by clear for analyses. All cleans, including those for negligence an any other cause whatsoner shall be deemed veries made in writing and exceed by Cardinal within theiry (20) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential diamege including, without functions, business interruptions, loss of use, or loss of profits incurred by clean, it is autoestienes, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether successor is not applicable occupied to the performance or otherwise. Results related only to the services hereunder or otherwise. Results related only to the samples identified above. The report shall not be reproduced except in full with written approved of Cardinal Laborationes.

Celeny & Kesas



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 SM4500CI-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. Cardinal's liability and cleants exclusive remoty for any clean arrising, whether based in contract or tort, shall be limited to the amount paid by cleant for analyses. All cleans, including those for neighborize and any other cause whitstonever shall be determed visived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable services. In no every shall be cleaned behalf for incidental or consequential diamages, michigantly, without limitations, business interruptions, loss of just or loss of profits incidental by derive, its additional analysis of a successors arrising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such clean is based upon any of the above stated research or ordinates. Reside related only to the samples identified above. This report shall not be reproducted except in full width writion sported.

Celeg & Kenne



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

2		Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name: Gravedigger State 8	Project #:	Phone #: 4	City: Artesia	Address: 2208 West Main	Project Manager:	Company Name:
\$1-5	S1-4'	Sample I.D.		Dakota Neel		vedigger State 8		432-215-2783		est Main	Dakota Neel	COG Operating LLC
							Project Owner:	Fax #:	State: NM			0
		(G)RAB OR (C)OM	۹.		2		.1			Н		
11		# CONTAINERS							Z			
		GROUNDWATER WASTEWATER							~			
		SOIL	MATRIX						88210	Ш		
#-	-	OIL SLUDGE	X						0	H		
		OTHER:		F	2	S	Ω	>	2	Ď	0,	
		ACID/BASE:	PR	Fax #:	eco.	State: TX	City:	Address:	Attn:	Company:	P.O. #:	
		ICE / COOL OTHER:	PRESERV.		井: (43	ス		55		any:		
10/3/16	10/3/16	DATE	SAMPLING		Phone #: (432) 221-0388	Zip: 79701	Midland	600 W Itinois	Robert McNeill	COG Operating LLC		
9:00 AM	9:00 AM	TIME	6					inois		ting LLC		
		BTEX										
		TPH										
×	×	Chloride										
			_					_	_			ANALYSIS
												SIS,
												ë
												REQUEST
									_			

analyses. All claims including free for ranging analyses. All claims including free for ranging service. In no sense that Carboni be hade for efficient and the colors.

run the first horizon. If Chloride exceeds 250ppm run the next	Please only run the f		10112116	
dneel2@concho.com	REMARKS:	Ble Cabrer	11:00 AM	Relinquished By
☐ Yes ☐ No AddTFax#:	Fax Result:	1 (%)	10/11/2016	
☐ Yes ☐ No Add'I Phone #:	Phone Result:	And By:	Date: Recen	Kelinguished By:

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

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

Form C-141 Revised August 8, 2011

Release Notification and Corrective Action

					OPERA:	ΓOR	☐ Initia	☐ Initial Report ☑ Final Re				
Name of Co					Contact: Ro	bert McNeill	100					
Address: 60			_		Telephone No. 432-230-0077							
Facility Nan	ne: GRAV	E DIGGER	STATE (COM #008H	Facility Typ	e: Well						
Surface Own	ner: Fee			Mineral Owne	r: State		API No	API No. 30-015-43397				
				LOCATION	ON OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the No	rth/South Line	Feet from the	East/West Line	· · · · · · · · · · · · · · · · · · ·	Count	ty		
N	2	20S	25E	170'	South	1610'	West		Eddy	/		
	Latitude 32.5956523 Longitude -104.45835101 NATURE OF RELEASE											
Type of Relea	nse:			NATUR	Volume of		Volume R	ecovered:				
Produced Wa	ter				19 bbls PW		unknown					
Source of Rel						our of Occurrence	e: Date and	Hour of Dis	overy:			
Frac Tank Va Was Immedia		iven?	-		12/21/2015 If YES, To		12/21/201	12/21/2015 6:00 am				
			Yes	No 🛛 Not Require		Whom:						
By Whom? Date and Hour:												
Was a Watero	course Reac				If YES, Vo	lume Impacting ti	he Watercourse.					
			Yes 🗵	No								
The release ra Concho had the to and approved I hereby certifications all public health of should their of the control of the	a Affected a an off the ba he spill site ed by the N fy that the ir l operators a or the envir	nd Cleanup A ckside of the sampled to de MOCD. aformation give required to onment. The live failed to a ldition, NMO	ction Tak location ir lineate an ven above report an acceptance dequately CD accept	on the backside of the	lease occurred o on from the rele to the best of my notifications and the NMOCD mainte	knowledge and ur d perform correct rked as "Final Re on that pose a thre e the operator of r	d the site in accord inderstand that pursitive actions for rele eport" does not relie that to ground water.	uant to NMO ases which i eve the open surface wal impliance w	OCD rumay en ator of ter, hun	an submitted lles and danger liability nan health		
						OIL CONS	BERVAIION	DIVISIO	<u>IA</u>			
Signature:		Sahor	< n		Approved by	Environmental Sp	ecialist:					
Printed Name	: Dakota N	eel										
Title: Environ	mental Coo	rdinator			Approval Date	<u></u>	Expiration I	Expiration Date:				
E-mail Addres	ss: dneel2@	concho.com			Conditions of	Approval:		Attached				
Date: 12/28//2		Phone: 575		3								

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 Ea NIM 97505

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

Attached

Release Notification and Corrective Action														
			1010	ouse rivering		OPERATOR Initial Repo						Final Report		
Name of Co	omnany: C	OG Operati	ng LLC			Contact: Robert McNeill								
		nois Avenue		d TX 79701		Telephone No. 432-230-0077								
				COM #008H		Facility Type: Well								
Surface Ow	ner: Fee			Mineral C)wner:						3397			
				<u>' </u>		ON OF RELEASE								
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	Fast/\	West Line		Coun	ity		
N	2	208	25E	170'		South	1610'	1	West		Edd	•		
				Latitude 32.5	956523	Longitude	-104.45835101							
Type of Release: Volume Recovered: Volume Recovered:														
Produced Wa			19 bbls PW			unknown	ecoverea:							
Source of Re				our of Occurrenc	e:	Date and Hour of Discovery:								
Frac Tank V			12/21/2015 12:00 am 12/21/2015 6:00 am											
Was Immedi	ate Notice G		animad	If YES, To Whom?										
D 1711 0	<u>.</u>		162	No 🛛 Not Re	quncu									
By Whom? Was a Water	D		Date and H											
was a water	course Reac		II YES, Vo	lume Impacting t	he Wate	rcourse.								
76 311			Yes 🗵											
If a Watercou	nac was mi	nacica, Descri	ioc runy.											
Describe Cau	ise of Proble	m and Remed	dial Action	1 Taken *										
				on the backside o	f the tan	k.								
Describe Are	a Affacted o	and Cleanup A	ation Tale	an B										
Describe Are	a Anected a	ind Cicatup A	action Tak	en. ·										
The release ra	an off the ba	ckside of the	location is	nto the pasture. Tl	nis relea	se occurred o	n fee surface and	was cau	sed by a th	ird party wo	rking (on location.		
PIMA Tanks	is taking res	sponsibility fo	or the clear	n-up. Concho will	have th	e spill site sa	mpled to delineate	e any po	ssible cont	umination fr	om the	release and		
we will prese	nt a remedia	ition work pla	in to the N	MOCD for appro	val prio	r to any signi	icant remediation	ı work.						
I hereby certi	fy that the ir	nformation give	ven above	is true and comp	lete to th	e best of my	knowledge and ur	nderstan	d that purs	uant to NMO	OCD n	iles and		
regulations al	l operators a	are required to	report an	d/or file certain re	elease no	otifications ar	d perform correct	tive acti	ons for rele	ases which	mav er	ıdanger		
public health	or the envir	onment. The	acceptanc	e of a C-141 repo	rt by the	NMOCD ma	irked as "Final Re	eport" d	oes not relie	eve the oper	ator of	liability		
snould their o	perations ha	ive failed to a	dequately	investigate and re	emediate	contamination	on that pose a three the operator of r	at to gr	ound water,	surface wa	ter, hu	man health		
federal, state,	or local law	s and/or regu	lations.	iance of a C-1411	report ac	es not reneve	the operator of r	esponsi	dility for co	mpiiance w	ith any	other		
						-	OIL CONS	SERV	ATION	DIVISIO	N			
e:	Am	anda-	71	Zuio						<u> </u>				
Signature:			40.0											
Printed Name	: Amanda]	Γrujillo Davis				Approved by	Environmental Sp	pecialist	-					
Title: Senior	Environmen	tal Coordinate	or			Approval Date: Expiration Date:								

Conditions of Approval:

E-mail Address: atruillo@concho.com

Date: 1/4/2015 Phone: 575-748-6940 * Attach Additional Sheets If Necessary