

Dakota Neel Environmental Coordinator

June 11, 2018

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

Henryetta Price Bureau of Land Management Field Operations Division 620 E. Greene St Carlsbad, NM 88220

Re: Closure Report White Star Federal Tank Battery 2RP-3903 H Sec. 29, T17S-R29E Eddy County, NM

Mr. Bratcher/Ms. Price,

COG Operating, LLC (COG) is pleased to submit for your consideration the following closure report for the White Star Federal Tank Battery. This closure report is in reference to the release that occurred on September 14, 2016. A work plan was submitted to the New Mexico Oil Conservation Division (NMOCD) and the Bureau of Land Management (BLM) on March 31, 2017 and was approved on August 29, 2017 and August 28, 2017 respectively.

Background

This release was caused by a corroded connection between the tank and sight glass. Upon discovery, the corroded connection was repaired and a vac truck was dispatched to soak up standing fluid. The release remained within the unlined facility. NMOCD June 11, 2018 Page 2

REMEDIAL ACTIONS

- The area of T1 was excavated to a total depth of one (1) foot.
- The excavation was backfilled with like material and contoured to match the surrounding area

Based on the information provided, COG Operating LLC, would like to request closure of the RP number 2RP-3903 associated with this release. Please feel free to contact me with any questions or concerns at (432) 215-2783.

Sincerely,

Sator Real

Dakota Neel, Environmental Coordinator

Enclosure(s):

- C-141 Final
- C-141 Initial (Copy)
- Approved Work Plan

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Page 3 of 14

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.

Release Notification and Corrective Action

		OPERATOR		Initial R	eport 🛛 🛛 Final R	eport
Name of Company: COG Operating LLC OG	RID # 229137	Contact:		Robert McNeill		
Address: 600 West Illinois Avenue, Midland	TX 79701	Telephone No.		432-683-7443		
Facility Name: White Star Federal Tank Battery		Facility Type:	Battery			
Surface Owner: Federal	Mineral Owner	: Federal		API No.	30-015-29986	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
Н	29	17S	29E	2150	North	330	East	Eddy

Latitude 32.8068848 Longitude -104.089447

NATURE OF RELEASE

Type of Release:	Volume of Release:	Volume Re	
Oil & Produced Water	5 bbls Oil; 1 bbls PW		bbls oil; 0.5 bbls PW
Source of Release:	Date and Hour of Occurrence:		lour of Discovery:
Sight Glass	9/14/2016		9/14/2016 8:00 AM
Was Immediate Notice Given?	If YES, To Whom?		
🗌 Yes 🛛 No 🖾 Not Required			
By Whom?	Date and Hour:		
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	tercourse.	
🗌 Yes 🔀 No			
If a Watercourse was Impacted, Describe Fully.*			
Describe Cause of Problem and Remedial Action Taken.*			
Describe Cause of Problem and Kenkenar Action Taken.			
The release was caused by a corroded connection between the tank and si	ght glass. The corroded connection w	as replaced.	
Describe Area Affected and Cleanup Action Taken.*			
The release remained in location within the bermed area. A vacuum truck	was dispatched to remove all freestar	nding fluids. T	This release has been
remediated according the workplan approved by the NMOCD and BLM.			
I hereby certify that the information given above is true and complete to t	he best of my knowledge and underst	and that pure	ant to NMOCD rules and
regulations all operators are required to report and/or file certain release n			
public health or the environment. The acceptance of a C-141 report by th			
should their operations have failed to adequately investigate and remediat			
or the environment. In addition, NMOCD acceptance of a C-141 report d			
federal, state, or local laws and/or regulations.		, ionity 101 00	
	OIL CONSERV	VATION I	DIVISION
Sector Real			
	Approved by Environmental Specialis	st://	H. Hall
		1	Suttany Hall
Printed Name: Dakota Neel		_	
Title: HSE Coordinator	Approval Date: 11/18/2022	Expiration D	lata:
		Expiration L	au.
E-mail Address: dneel2@concho.com	Conditions of Approval:		
			Attached
Date: June 11, 2018 Phone: 575-746-2010	none		

* Attach Additional Sheets If Necessary

State of New Mexico **Energy Minerals and Natural Resources**

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr.

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

1220 E. Et. Experie Dev. Expert Ex. NIA 87505	a Fe, NM 875					
Release Notificat	ion and Co	rrective A	ction			
Name of Company: COG Operating LLC Address: 600 West Illinois Avenue, Midland TX 79701 Facility Name: White Star Federal Tank Battery	OPERATOR Initial Report Fi Contact: Robert McNeill Telephone No. 432-230-0077 Facility Type: Battery			Final Repo		
Surface Owner: Federal Mineral Own			API No.	. 30-015-2	9986	
LOCATI	ION OF REL	EASE				
Unit LetterSectionTownshipRangeFeet from theNoH2917S29E2150	orth/South Line North	Feet from the 330	East/West Line East		Count Eddy	
.8068848,-104.089447	DE OF DELL					
Type of Release: Oil & Produced Water	RE OF RELE Volume of		Volume R	ecovered:		
Source of Release: Sight Glass	5 bbls oil; 1 Date and H	bbls pw our of Occurrenc		0.5 bbls pw Hour of Dis		
Was Immediate Notice Given?	9/14/2016 u	inknown	9/14/2016		covery.	
Yes No X Not Requir	If YES, To red	wnom?				
By Whom?	Date and H					
Was a Watercourse Reached?	If YES, Vo	lume Impacting t	he Watercourse.			
Describe Area Affected and Cleanup Action Taken.* This release remained on location within the bermed area. Vacuum tru gravel has been removed and replaced with fresh gravel. Concho will and we will present a remediation work plan to the NMOCD for appro	I have the spill site	sampled to delin	neate any possible o	ing fluid. T	he cont	aminated the release
I hereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain releas public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remed or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	se notifications an y the NMOCD ma diate contamination	d perform correct rked as "Final Re in that pose a three the operator of r	tive actions for rele port" does not relie at to ground water, esponsibility for co	ases which eve the oper surface wa mpliance w	may end ator of ter, hun ith any	danger liability nan health
Signature:			SERVATION I	DIVISIO	<u>VIN</u>	
Printed Name: Dakota Neel	Approved by I	Environmental Sp	ecialist:			
Title: Environmental Coordinator	Approval Date	:	Expiration D)ate:		
E-mail Address: dneel2@concho.com Date: September 21, 2016 Phone: 575-748-6933	Conditions of	Approval:		Attached		
Attach Additional Sheets If Necessary	_I			1		



February 27, 2017

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

Re: White Star Federal Tank Battery Sec. 29, T17S-R29E Eddy County, NM

Mr. Mike Bratcher,

COG Operating LLC would like to submit for your consideration the enclosed work plan for the above captioned well. The plan is in response to the C-141 Initial report dated September 21, 2016.

Background

This release was caused by a corroded connection between the tank and sight glass. Upon discovery, the corroded connection was repaired and a vac truck was dispatched to soak up standing fluid. The release remained within the unlined facility.

Groundwater

Based on the information obtained through the use of the Chevron-Texaco Maps, the release area would be classified at a site ranking of **Zero** with depth to groundwater at greater than 100'.

Soil Assessment and Analytical Results

The sample point for the release is labeled T1 on the attached Site Diagram. According to the analytical results obtained, T1 had an elevated concentration of chloride to a depth of 5' with delineation showing a decrease in concentration. Copies of the analytical results along with a site diagram and sample summary table are attached for your consideration.

CORPORATE ADDRESS

Received by OCD: 11/18/2022 10:35:04 AM

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701 P 432.683-7443 | F 432.683.7441

ARTESIA EAST OFFICE

2407 Pecos Avenue | Artesia: New Mexico 88210 P 575.746.2010 | F 575.746.2096

Received by OCD: 11/18/2022 10:35:04 AM

White Star F	ederal Tank Battery
Site F	Ranking: Zero
Depth to (GW per SEO: >100
Delineation	Samples 1/23/2017
S1	Cl-
1'	1150
2'	400
3'	240
4 ¹	352
5'	400
7'	288
8'	256
10'	272
12'	64

Work Plan

COG Operating LLC proposes the following excavations for remediation of the release area:

T₁ – Excavate to a depth of approximately 1' due to the close proximity of the release to equipment and safety concerns.

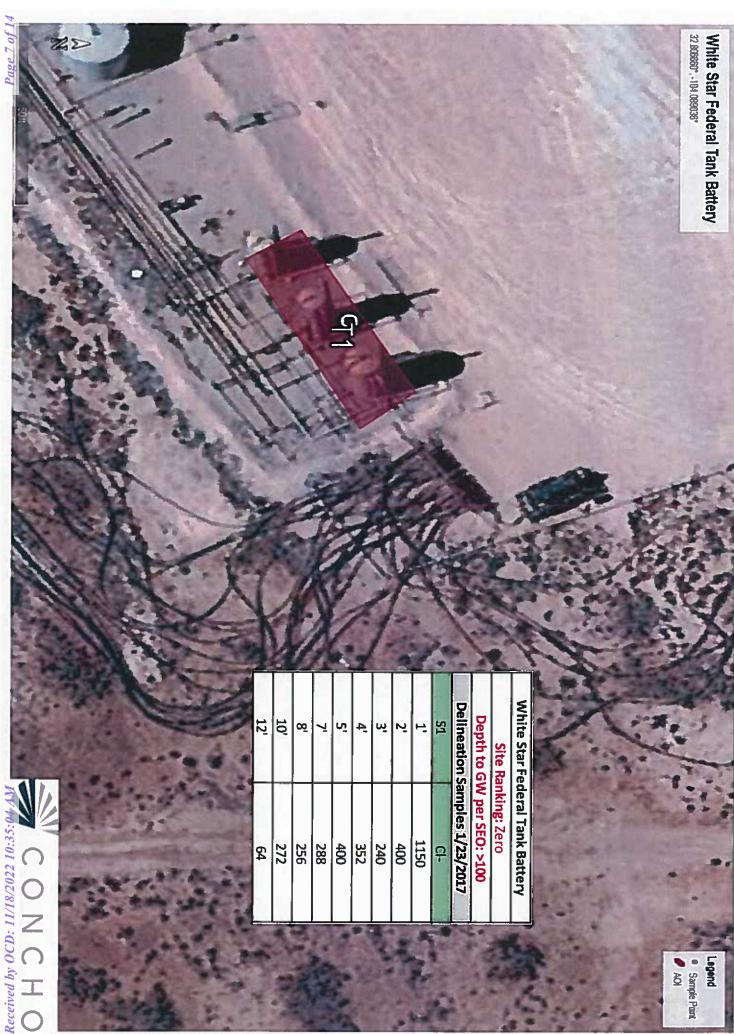
If there are no objections or further stipulations, COG Operating LLC would like to begin the remediation process based on approval of this work plan. Please feel free to contact me with any questions or concerns.

Sincerely,

Dator New

Dakota Neel, Environmental Coordinator

White Star Federal Tank Battery



C

Page 8 of 14

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division

Form C-141 Revised August 8, 2011

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

1220 South St. Francis Dr. Santa Fe, NM 87505

Release Notification and Corrective Action

		OPERATOR	Initial Report	Final Report
Name of Company: COG Operating I	LLC	Contact: Robert McNeill		
Address: 600 West Illinois Avenue, M	lidland TX 79701	Telephone No. 432-230-0077		
Facility Name: White Star Federal Tank Battery Facility Type: Battery		Facility Type: Battery		
Surface Owner: Federal	Mineral Ov	vner: Federal	API No. 30-015-2	9986

100	I A TEOR	I OF DEI	TO A OR
LUL	.A I IUI	NOF RE	LEASE

Unit Letter H	Section 29	Township 17S	Range 29E	Feet from the 2150	North/South Line North	Feet from the 330	East/West Line East	County Eddy
 				2120	Tiorus	کو لہ لہ	Lust	Eduy

NATURE OF RELEASE

32.8068848,-104.089447

Type of Release: Oil & Produced Water	Volume of Release:	Volume Recovered:	
Source of Release: Sight Glass	5 bbls oil; 1 bbls pw Date and Hour of Occurrence;	4 bbls oil: 0.5 bbls pw	
Source of Release, Sign Olass	9/14/2016 unknown	Date and Hour of Discovery: 9/14/2016 8:00 a.m.	
Was Immediate Notice Given?	If YES, To Whom?	5/14/2010 5.00 4.III.	
By Whom?	Date and Hour:		
Was a Watercourse Reached?	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 corroded connection between the tank and s	ight glass. The corroded connectio	n was replaced.	
Describe Area Affected and Cleanup Action Taken.* This release remained on location within the bermed area. Vacuum trucks gravel has been removed and replaced with fresh gravel. Concho will hav and we will present a remediation work plan to the NMOCD for approval I hereby certify that the information given above is true and complete to th regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the	ve the spill site sampled to delineate prior to any significant remediation the best of my knowledge and under otifications and perform corrective NMOCD marked as "Final Report	any possible contamination from the release work. stand that pursuant to NMOCD rules and actions for releases which may endanger does not release the operator of liability	
should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report de federal, state, or local laws and/or regulations.	contamination that pose a threat to	ground water, surface water, human health	
Signature:	OIL CONSER	<u>EVATION DIVISION</u>	
Printed Name: Dakota Neel	Approved by Environmental Specia	list:	
Title: Environmental Coordinator	Approval Date:	Expiration Date:	
E-mail Address: dneel2@concho.com	Conditions of Approval:	Attached	
Date: September 21, 2016 Phone: 575-748-6933			
Attach Additional Sheets If Necessary			

Received by OCD: 11/18/2022 10:35:04 AM



January 31, 2017

DAKOTA NEEL COG OPERATING P. O. BOX 1630 ARTESIA, NM 88210

RE: WHITE STAR FEDERAL TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/25/17 12:15.

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 accredited certifi.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.

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,

Received by OCD: 11/18/2022 10:35:04 AM

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	01/25/2017	Sampling Date:	01/23/2017	
Reported:	01/31/2017	Sampling Type:	Soil	
Project Name:	WHITE STAR FEDERAL TANK BATTERY	Sampling Condition:	** (See Notes)	
Project Number:	NONE GIVEN	Sample Received By:	Angela Cabrera	
Project Location:	NOT GIVEN			

Sample ID: T1 - 1' (H700184-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	01/28/2017	ND	432	108	400	3.77		

Sample ID: T1 - 2' (H700184-02)

Chloride, SM4500Cl-8	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/28/2017	ND	432	108	400	3 77	

Sample ID: T1 - 3' (H700184-03)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/28/2017	ND	432	108	400	3.77	

Sample ID: T1 - 4' (H700184-04)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC						_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	01/28/2017	ND	432	108	400	3.77		

Received by OCD: 11/18/2022 10:35:04 AM

*=Accredited Analyte

PLEASE NOTE: Liability and Da All claims, indu ing those for neolo ence and r and conneges. Cardinary and cares excesses any other cluste vihitoonver shall be deemed wolved unless made is writing and received by Cardinal we including, without limitation, business interruptions, loss of use, or loss of profits incurred by clean, its sub therty (30) In no after of or co ed to the perform artsing out of or rel tes or suc а. by Cardinal, recardless of whether such class is based upon any of the above stated reasons or otherwise. Results relate only to the samples a

Celeg D.Ke.

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:	01/25/2017	Sampling Date:	01/23/2017
Reported:	01/31/2017	Sampling Type:	Soil
Project Name:	WHITE STAR FEDERAL TANK BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NÔNE GIVEN	Sample Received By:	Angela Cabrera
Project Location:	NOT GIVEN		

Sample ID: T1 - 5' (H700184-05)

Page 11 of 14

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/28/2017	ND	432	108	400	3.77	

Sample ID: T1 - 7' (H700184-06)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/28/2017	ND	432	108	400	3.77	

Sample ID: T1 - 8' (H700184-07)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/28/2017	ND	432	108	400	3.77	

Sample ID: T1 - 10' (H700184-08)

Chloride, SM4S00Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/28/2017	ND	432	108	400	3.77	

Sample ID: T1 - 12' (H700184-09)

Chloride, SM4500Cl-B	mg,	/kg	Алајузе	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/28/2017	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Da Cardoal's Bab chert for analyses. All claims, including those for negligence and by . reaction revision revision sectoring and contrast as sectoring and contrast decidation (emitted) for an any other cause whatsoever shall be deterned welved unless made in writing and reactived is including, writinuk limitation, based of use, or loss of profiles incurred by claim is based upon any of the above stated reasons or otherwese. Results relate only to the samples identified it nohistion of the applicable service. In no event shall Cardinal be Sable for incidental or consequential diamages, training out of or initiated to the performance of the services hereunder by Cardinal, regardless of whether such within thirty (30) days after con by Ca da autor fillates or success thall not be reproduced except in full with written approvel of Cardinal Labo

Cellery & Keine

Celey D. Keene, Lab Director/Quality Manager



Page 12 of 14

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

Received by OCD: 11/18/2022 10:35:04 AM

*=Accredited Analyte

PLEASE MOTE: Liability and Damages. Candheal's labelity and cleants exclusive removely for any clean anising, whether based in contract or tort, shall be lembed to the anount paid by cleant for analyses. All cleans, including those for negligence and any other cause whateover shall be deemed valued unless made in writing and incomed by Candheal within thirty (30) days after completion of the applicable service. In no event shall Cadheal be labelit for consequential damages, including, whithese interactions, loss of use, or loss of use, or loss of profile incomed by Candheal, atflittee or successors areas of or instance to the applicable services. In no event shall Cadheal be labelit for consequential damages, including, which at Interaction, business interruptores, loss of use, or loss of use and/s labority by cleant is a substances, atflittees or successors areas of or instance to the approximate of the services hereunder by Cardheal, regardless of whisther such cleans based upon any of the service stand researce attaid r

Celleg & Kune

Celey D. Keene, Lab Director/Quality Manager

- C.
-
<u> </u>
The rest of the local division of the local
0.
\mathcal{O}
A Real Property lies
0
00
1
0
Personal

Project Manager: Address: 2208 V CIIV: Artesia	ager: Dakota Neel 2208 West Main State: NM	Zia 88210	P.O. #: Company:		COG Operating LLC	Б		
				2		ACT ADDR	C.NOIL	ACT NO.
	HULTEIUU I BA W.				51	SCOTTO AND AA	CON INT ALL DOD	Sirvine 41
Project #:	Project Owner:	97	City:	2		Midtand	lidtand	Holiand
Project Name: W	Project Name: White Star Federal Tank Battery		State: TX			Zip: 79701	: 79701	: 79701
Project Location:			Phone	Phone #: (432) 221-0388	N	21-0388	21-0388	21-0388
Sampler Name:			Fax #:					
FOR LABURE ONLY		MATRIX		PRESERV	é	SAMPLING	SAMPLING	SAMPLING
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER :		9	DATE	DATE TIME BTEX	TIME
10	T1- 1'						=	
2	T1- 2"			1/23/17	ωı			
S	T1- 3'			1/23/17	엌			
99	T1-4'			1/23/17	61			
20	T1-5'			1/23/17	ωι			
8	T1-7			1/2				
07	T1-8'			1/2				
S	T1-10'			17		1/23/17 10	23/17 10:00 AM	
09	T1-12'			5	IN	1/23/17 10	23/17 10:00 AM	
PLEME NOTE: Linkly and Dam mathem. All status including Suo	ages. Cardina's handly and clearly exchange too bir registrone and any other cause whother we	but he desmad waived unions much hi willing and received by Card	be construct or tord, shad by			are pro-	near pail by the clast for the state	* • •
Relinquished By:	ad al a restable the performance of versions between the O	7 Received	ar an ann ann ann a bhuail gun ang al tao stana aite. By:	m it based upon any of the pieces		-	-	_
Relinquished By:			el och	Cobrens		(REMARKS:	
D-H	Time:	Received By:						
Delivered By: (Circle One)		Raceived By:	₫₿v:			-		

Page 5 of 5

Released to Imaging: 11/18/2022 10:36:16 AM

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	160047
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	11/18/2022

CONDITIONS

Page 14 of 14

.

Action 160047