



[Dakota Neel]
[HSE Coordinator]

March 2, 2019

Bradford Billings
Oil Conservation Division
Santa Fe

Ryan Mann
New Mexico State Land Office
2827 N. Dal Paso Suite 117
Hobbs, NM 88240

**Re: Closure Request
Wild Cobra 1 State SWD #001
API #: 30-025-40933
RP#: 1RP-4894
Unit Letter I Section 12, Township 19S, Range 34E
Lea County, NM**

Mr. Billings/Mr. Mann,

COG Operating, LLC (COG) is pleased to submit for your consideration the following closure request for the Wild Cobra 1 State SWD #001. This release occurred on December 11, 2017. Following the releases a site assessment of the impacted soils was conducted. A remediation work plan was submitted to and subsequently approved by the New Mexico Oil Conservation Division (NMOCD) and New Mexico State Land Office (NMSLO). A copy of the approved work plan is attached.

BACKGROUND

The Wild Cobra 1 State SWD #001 release is located in Unit Letter I, Section 12, Township 19 South, and Range 34 East in Lea County, New Mexico. More specifically the latitude and longitude for this release are 32.672014 North and -103.50558 West.

On December 11, 2017, a four (4) inch flowline was damaged resulting in the release of approximately thirty (30) barrels (bbls) of produced water. The fluid was released into the pasture and zero (0) bbls were recovered.

Remediation activities were conducted in accordance with the NMOCD/NMSLO approved workplan. Confirmation sidewall samples were taken and can be found in Appendix 1.

March 2, 2019

REMEDIAL ACTIONS

- The impacted area was excavated to a depth of 4-feet BGS.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- Confirmation sidewall samples were taken in all four cardinal directions to ensure that all of the impacted material was removed.
- The excavation was backfilled with clean “like” material and contoured to match the surrounding terrain.
- The site will be reseeded with the NMSLO Shallow Seed Mixture.

CLOSURE REQUEST

COG Operating, LLC respectfully requests closure approval for 1RP-4894. Should you have any questions or concerns please do not hesitate to contact me.

Sincerely,



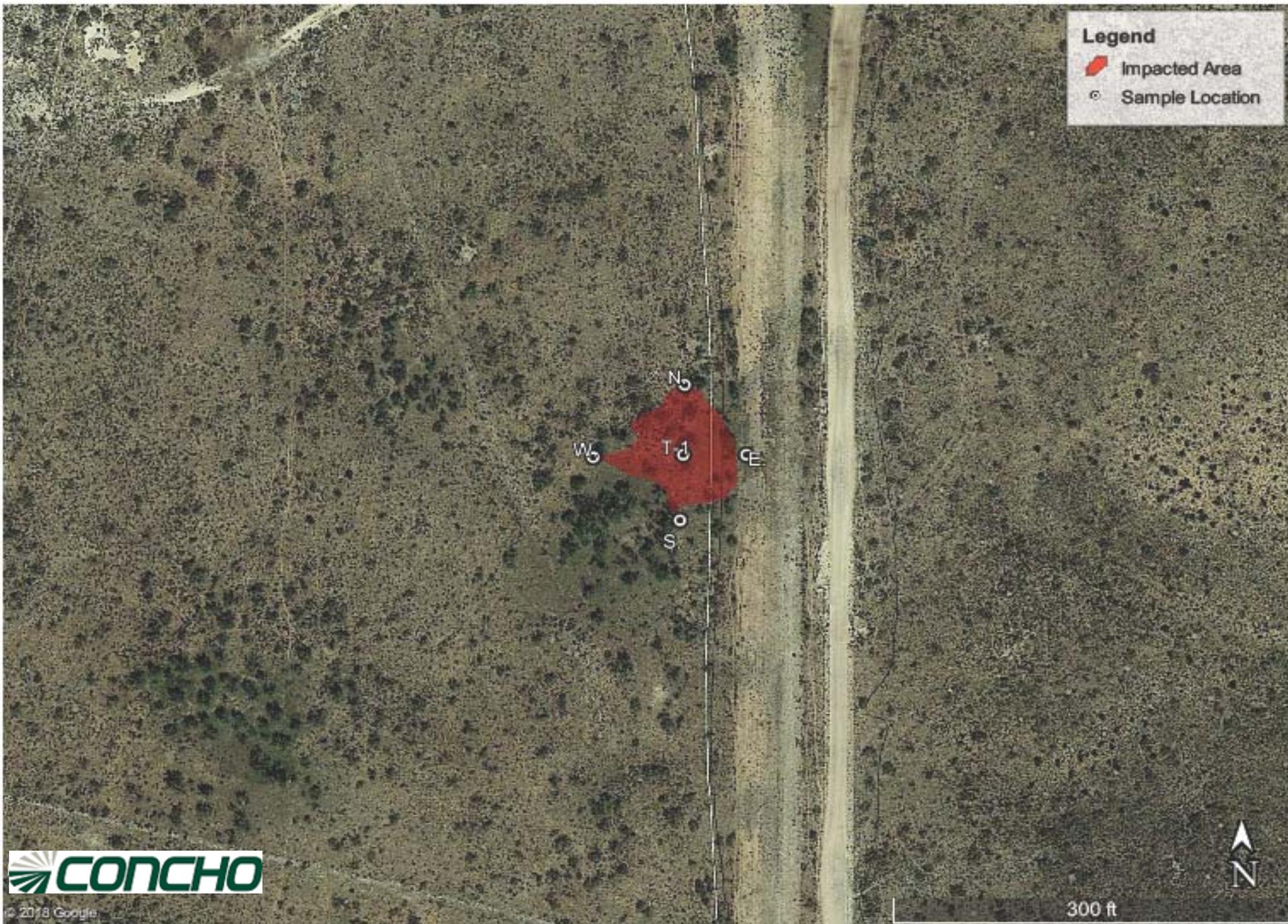
Dakota Neel
HSE Coordinator

Enclosed:

- Appendix I: Site Diagram/Confirmation Sample Points
- Appendix II: Confirmation Analytical Results
- Appendix III: Work Plan (Copy)
- Appendix IV: Initial C-141 (Copy)
- Appendix V: Final C-141

APPENDIX I

Wild Cobra 1 State SWD #001



APPENDIX II



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

August 23, 2018

SHELDON HITCHCOCK
COG OPERATING
P. O. BOX 1630
ARTESIA, NM 88210

RE: WILD COBRA ST. SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 08/22/18 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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_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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

COG OPERATING
SHELDON HITCHCOCK
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received:	08/22/2018	Sampling Date:	08/22/2018
Reported:	08/23/2018	Sampling Type:	Soil
Project Name:	WILD COBRA ST. SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: NORTH (H802347-01)

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	08/22/2018	ND	2.37	118	2.00	1.91	
Toluene*	<0.050	0.050	08/22/2018	ND	2.29	115	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/22/2018	ND	2.32	116	2.00	1.39	
Total Xylenes*	<0.150	0.150	08/22/2018	ND	7.01	117	6.00	1.67	
Total BTEX	<0.300	0.300	08/22/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/23/2018	ND	432	108	400	3.77	

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	08/22/2018	ND	204	102	200	1.66	
DRO >C10-C28*	<10.0	10.0	08/22/2018	ND	205	103	200	0.731	
EXT DRO >C28-C36	<10.0	10.0	08/22/2018	ND					

Surrogate: 1-Chlorooctane 93.4 % 41-142

Surrogate: 1-Chlorooctadecane 89.5 % 37.6-147

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

COG OPERATING
 SHELDON HITCHCOCK
 P. O. BOX 1630
 ARTESIA NM, 88210
 Fax To: NONE

Received:	08/22/2018	Sampling Date:	08/22/2018
Reported:	08/23/2018	Sampling Type:	Soil
Project Name:	WILD COBRA ST. SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SOUTH (H802347-02)

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	08/22/2018	ND	2.37	118	2.00	1.91	
Toluene*	<0.050	0.050	08/22/2018	ND	2.29	115	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/22/2018	ND	2.32	116	2.00	1.39	
Total Xylenes*	<0.150	0.150	08/22/2018	ND	7.01	117	6.00	1.67	
Total BTEX	<0.300	0.300	08/22/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	08/23/2018	ND	432	108	400	3.77	

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	08/22/2018	ND	204	102	200	1.66	
DRO >C10-C28*	<10.0	10.0	08/22/2018	ND	205	103	200	0.731	
EXT DRO >C28-C36	<10.0	10.0	08/22/2018	ND					

Surrogate: 1-Chlorooctane 97.7 % 41-142

Surrogate: 1-Chlorooctadecane 91.7 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

COG OPERATING
 SHELDON HITCHCOCK
 P. O. BOX 1630
 ARTESIA NM, 88210
 Fax To: NONE

Received:	08/22/2018	Sampling Date:	08/22/2018
Reported:	08/23/2018	Sampling Type:	Soil
Project Name:	WILD COBRA ST. SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: EAST (H802347-03)

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	08/22/2018	ND	2.37	118	2.00	1.91	
Toluene*	<0.050	0.050	08/22/2018	ND	2.29	115	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/22/2018	ND	2.32	116	2.00	1.39	
Total Xylenes*	<0.150	0.150	08/22/2018	ND	7.01	117	6.00	1.67	
Total BTEX	<0.300	0.300	08/22/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/23/2018	ND	432	108	400	3.77	

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	08/22/2018	ND	204	102	200	1.66	
DRO >C10-C28*	<10.0	10.0	08/22/2018	ND	205	103	200	0.731	
EXT DRO >C28-C36	<10.0	10.0	08/22/2018	ND					

Surrogate: 1-Chlorooctane 93.7 % 41-142

Surrogate: 1-Chlorooctadecane 86.8 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

COG OPERATING
 SHELDON HITCHCOCK
 P. O. BOX 1630
 ARTESIA NM, 88210
 Fax To: NONE

Received:	08/22/2018	Sampling Date:	08/22/2018
Reported:	08/23/2018	Sampling Type:	Soil
Project Name:	WILD COBRA ST. SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: WEST (H802347-04)

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	08/22/2018	ND	2.37	118	2.00	1.91	
Toluene*	<0.050	0.050	08/22/2018	ND	2.29	115	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/22/2018	ND	2.32	116	2.00	1.39	
Total Xylenes*	<0.150	0.150	08/22/2018	ND	7.01	117	6.00	1.67	
Total BTEX	<0.300	0.300	08/22/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/23/2018	ND	432	108	400	3.77	

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	08/22/2018	ND	204	102	200	1.66	
DRO >C10-C28*	<10.0	10.0	08/22/2018	ND	205	103	200	0.731	
EXT DRO >C28-C36	<10.0	10.0	08/22/2018	ND					

Surrogate: 1-Chlorooctane 90.9 % 41-142

Surrogate: 1-Chlorooctadecane 84.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

COG OPERATING
 SHELDON HITCHCOCK
 P. O. BOX 1630
 ARTESIA NM, 88210
 Fax To: NONE

Received:	08/22/2018	Sampling Date:	08/22/2018
Reported:	08/23/2018	Sampling Type:	Soil
Project Name:	WILD COBRA ST. SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: BOTTOM HOLE (H802347-05)

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	08/22/2018	ND	2.37	118	2.00	1.91	
Toluene*	<0.050	0.050	08/22/2018	ND	2.29	115	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/22/2018	ND	2.32	116	2.00	1.39	
Total Xylenes*	<0.150	0.150	08/22/2018	ND	7.01	117	6.00	1.67	
Total BTEX	<0.300	0.300	08/22/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	08/23/2018	ND	432	108	400	3.77	

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	08/22/2018	ND	204	102	200	1.66	
DRO >C10-C28*	<10.0	10.0	08/22/2018	ND	205	103	200	0.731	
EXT DRO >C28-C36	<10.0	10.0	08/22/2018	ND					

Surrogate: 1-Chlorooctane 89.6 % 41-142

Surrogate: 1-Chlorooctadecane 84.5 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: **Concho Resources** P.O. #:
 Project Manager: **Sheldon Hitchcock** Company: **COG**
 Address: **2407 Pecos Avenue** Attn: **Robert McNeill**
 City: **Artesia** State: **NM** zip: **88210** Address:
 Phone #: **575-703-6475** Fax #: City:
 Project #: Project Owner: **Concho** State: Zip:
 Project Name: **WILD COBRA ST SWD # 001** Phone #:
 Project Location: **DANSTANZEL** Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	REMARKS		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:				ICE / COOL	OTHER :
H802347			1			1	1	1	1	1	1	1	8-22-18	8:00AM	CHLORIDE 5M4500
	NORTH		1			1	1	1	1	1	1	1			X
	SOUTH		1			1	1	1	1	1	1	1			X
	EAST		1			1	1	1	1	1	1	1			X
	WEST		1			1	1	1	1	1	1	1			X
	BOTTOM HOLE		1			1	1	1	1	1	1	1			X

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Relinquished By: *[Signature]* Date: **8-22-18** Time: **2:50** Received By: *[Signature]*
 Relinquished By: *[Signature]* Date: _____ Time: _____ Received By: *[Signature]*

Delivered By: (Circle One) **4.9c** Sample Condition: Cool Yes No Intact Yes No
 Sampler - UPS - Bus - Other: **#197** CHECKED BY: *[Signature]* (Initials) **TO.**

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

REMARKS: **RUSH**

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

APPENDIX III



[Sheldon L. Hitchcock]
[HSE Coordinator]

June 21, 2018

Olivia Yu
Oil Conservation Division, District 1
1625 N. French Dr.
Hobbs, NM 88240

Ryan Mann
New Mexico State Land Office
1001 S. Atkinson
Roswell, NM 88230

**Re: Work Plan
Wild Cobra 1 State SWD #001
API #: 30-025-40933
RP#: 1RP-4894
Unit Letter I Section 12, Township 19S, Range 34E
Lea County, NM**

APPROVED
By CHernandez at 4:38 pm, Jul 19, 2018

NMOCD approves of the delineation completed for 1RP-4894 and the proposed remediation plan with these clarifications:
1) Bottom and sidewall confirmation samples no greater than 50 ft apart.
2) Mark confirmation sample locations on a scaled map with GPS coordinates.
3) Include photo documentation of delineation and remediation in subsequent report.

Ms. Yu/Mr. Mann,

COG Operating, LLC (COG) is pleased to submit for your consideration the following remediation work plan for the Wild Cobra 1 State SWD #001. This plan is in response to a produced water release that occurred on December 11, 2017. Subsequent to the release a C-141 initial report was submitted to the New Mexico Oil Conservation Division (NMOCD) and New Mexico State Land Office (NMSLO) on December 14, 2017.

BACKGROUND

The Wild Cobra 1 State SWD #001 release is located in Unit Letter I, Section 12, Township 19 South, and Range 34 East in Lea County, New Mexico. More specifically the latitude and longitude for this release are 32.672014 North and -103.50558 West.

On December 11, 2017, a four (4) inch flowline was damaged resulting in the release of approximately thirty (30) barrels (bbls) of produced water. The fluid was released into the pasture and zero (0) bbls were recovered.

On April 24, 2018, a site assessment and soil sampling were conducted in order to define the impacted area. A site diagram is included in Appendix I. The analytical results from the soil sampling activities are summarized in the table below.

June 21, 2018

GROUNDWATER AND SITE RANKING

According to the New Mexico Office of the State Engineer (NMOSE) groundwater in the project vicinity is approximately eighty (80) feet below ground surface (BGS) (Appendix II). No water well or surface water was observed within one-thousand (1,000) feet of the release site. Therefore the site ranking for this release is ten (10) based on the following:

Depth to groundwater 50-100-feet
 Distance to surface water body >1000-feet
 Wellhead Protection Area >1000-feet

ANALYTICAL RESULTS

Sample ID	Date	Chloride mg/Kg	Benzene mg/Kg	BTEX mg/Kg	TPH mg/Kg
T-1 0'	4/24/2018	73,600	<0.050	<0.300	45.5
T-1 1'	4/24/2018	6,560	<0.050	<0.300	<10.0
T-1 2'	4/24/2018	4,800	-	-	-
T-1 3'	4/24/2018	2,520	-	-	-
T-1 4'	4/24/2018	256	-	-	-
T-1 4'	4/24/2018	211*	-	-	-
North 0'	4/24/2018	<10.0	<0.050	<0.300	<10.0
South 0'	4/24/2018	<10.0	<0.050	<0.300	<10.0
East 0'	4/24/2018	<10.0	<0.050	<0.300	<10.0
West 0'	4/24/2018	<10.0	<0.050	<0.300	<10.0

Chloride samples analyzed using method 4500-C1-B

(*)Chloride results confirmed using method EPA300.0

(-)Analysis not requested

June 21, 2018

PROPOSED REMEDIAL ACTIONS

- The impacted area will be excavated to a depth of 4-feet BGS.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- Confirmation sidewall samples will be taken in all four cardinal directions to ensure that all of the impacted material was removed.
- Upon receipt of acceptable results from the proposed confirmation soil sampling event the excavation will be backfilled with clean “like” material and contoured to match the surrounding terrain.

REVEGETATION PLAN

Upon completion of the remediation the excavation will be backfill with clean “like” material. The surface will be left in a rough condition to approximate natural surface deviations. The site will be mechanically seeded with the New Mexico State Land Office (NMSLO) Shallow (SH) seed mixture. The site will be periodically monitored for revegetation and the development of noxious weeds. Should the site fail to re-vegetate or noxious weeds develop COG will contact NMSLO for a mitigation strategy.

June 21, 2018

Should you have any questions or concerns please do not hesitate to contact me.

Sincerely,



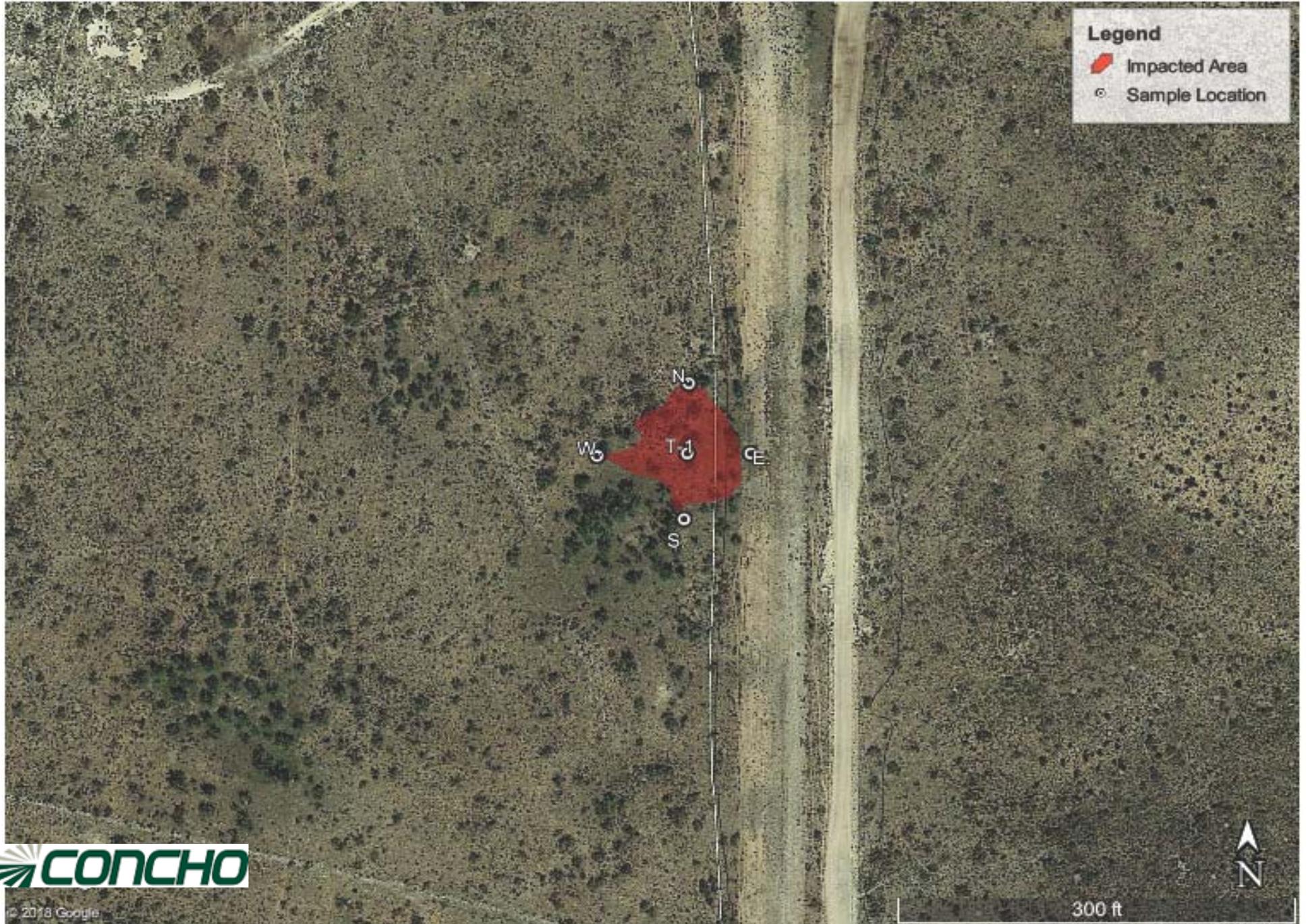
Sheldon L. Hitchcock
HSE Coordinator
slhitchcock@concho.com

Enclosed:

- Appendix I: Site Diagram
- Appendix II: Groundwater Data
- Appendix III: Initial C-141 (Copy)
- Appendix IV: Analytical Reports and Chain-of-Custody Forms

APPENDIX I

Wild Cobra 1 State SWD #001



APPENDIX II



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 06731	L	LE		3	2	2	12	19S	34E	639844	3616727*	712	120	80	40

Average Depth to Water: **80 feet**
 Minimum Depth: **80 feet**
 Maximum Depth: **80 feet**

Record Count: 1

Basin/County Search:

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 639956

Northing (Y): 3616023

Radius: 800

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

APPENDIX III

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 April 3, 2017

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: Wild Cobra 1 State SWD #001	Facility Type: Tank Battery
Surface Owner: State	Mineral Owner: State
API No. 30-025-40933	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	12	19S	34E					Lea

Latitude 32.672014 Longitude -103.50558

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 30 bbls PW	Volume Recovered: 0 bbls PW
Source of Release: Flowline	Date and Hour of Occurrence: 12-11-2017 12:35 PM	Date and Hour of Discovery: 12-11-2017 12:35 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Ms. Yu NMOCD/Ms. Groves NMSLO	
By Whom? Sheldon Hitchcock	Date and Hour: 12-11-17 2:23 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

RECEIVED
By Olivia Yu at 9:55 am, Dec 18, 2017

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
The release was caused by a damaged flowline and impacted the pasture adjacent to the lease road at the above referenced location. The damaged portion of the flowline has been replaced.

Describe Area Affected and Cleanup Action Taken.*
This release occurred in the pasture. Concho will have the spill area evaluated for any possible impact from the release and 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: HSE Coordinator	Approval Date: 12/18/2017	Expiration Date:
E-mail Address: dneel2@concho.com	Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>
Date: December 14, 2017 Phone: 575-746-2010		

* Attach Additional Sheets If Necessary

1RP-4894

nOY1735236012

pOY1735236392

APPENDIX IV



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

May 03, 2018

SHELDON HITCHCOCK

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: WILD COBRA ST. SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 04/25/18 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. 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	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



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

Analytical Results For:

COG OPERATING P. O. BOX 1630 ARTESIA NM, 88210	Project: WILD COBRA ST. SWD #001 Project Number: NONE GIVEN Project Manager: SHELDON HITCHCOCK Fax To: NONE	Reported: 03-May-18 14:59
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T-1 0'	H801143-01	Soil	24-Apr-18 09:00	25-Apr-18 12:00
T-1 1'	H801143-02	Soil	24-Apr-18 09:05	25-Apr-18 12:00
T-1 2'	H801143-03	Soil	24-Apr-18 09:10	25-Apr-18 12:00
T-1 3'	H801143-04	Soil	24-Apr-18 09:15	25-Apr-18 12:00
T-1 4'	H801143-05	Soil	24-Apr-18 09:20	25-Apr-18 12:00

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COG OPERATING P. O. BOX 1630 ARTESIA NM, 88210	Project: WILD COBRA ST. SWD #001 Project Number: NONE GIVEN Project Manager: SHELDON HITCHCOCK Fax To: NONE	Reported: 03-May-18 14:59
--	--	------------------------------

T-1 0'
H801143-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	73600		16.0	mg/kg	4	8042611	AC	28-Apr-18	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8042707	MS	27-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8042707	MS	27-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8042707	MS	27-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8042707	MS	27-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8042707	MS	27-Apr-18	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %		72-148	8042707	MS	27-Apr-18	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8042606	MS	27-Apr-18	8015B	
DRO >C10-C28*	45.5		10.0	mg/kg	1	8042606	MS	27-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8042606	MS	27-Apr-18	8015B	

Surrogate: 1-Chlorooctane			87.4 %		41-142	8042606	MS	27-Apr-18	8015B	
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Surrogate: 1-Chlorooctadecane			80.2 %		37.6-147	8042606	MS	27-Apr-18	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: WILD COBRA ST. SWD #001
Project Number: NONE GIVEN
Project Manager: SHELDON HITCHCOCK
Fax To: NONE

Reported:
03-May-18 14:59

T-1 1'
H801143-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	6560		16.0	mg/kg	4	8043003	AC	01-May-18	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8042707	MS	27-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8042707	MS	27-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8042707	MS	27-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8042707	MS	27-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8042707	MS	27-Apr-18	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	72-148		8042707	MS	27-Apr-18	8021B	
---------------------------------------	--	--	-------	--------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8042701	MS	27-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8042701	MS	27-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8042701	MS	27-Apr-18	8015B	

Surrogate: 1-Chlorooctane			93.2 %	41-142		8042701	MS	27-Apr-18	8015B	
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Surrogate: 1-Chlorooctadecane			74.5 %	37.6-147		8042701	MS	27-Apr-18	8015B	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

COG OPERATING P. O. BOX 1630 ARTESIA NM, 88210	Project: WILD COBRA ST. SWD #001 Project Number: NONE GIVEN Project Manager: SHELDON HITCHCOCK Fax To: NONE	Reported: 03-May-18 14:59
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T-1 2'

H801143-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	4800		16.0	mg/kg	4	8050102	AC	01-May-18	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

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Analytical Results For:

COG OPERATING P. O. BOX 1630 ARTESIA NM, 88210	Project: WILD COBRA ST. SWD #001 Project Number: NONE GIVEN Project Manager: SHELDON HITCHCOCK Fax To: NONE	Reported: 03-May-18 14:59
--	--	------------------------------

T-1 3'
H801143-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	2520		16.0	mg/kg	4	8050102	AC	01-May-18	4500-Cl-B	
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Cardinal Laboratories

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Analytical Results For:

COG OPERATING P. O. BOX 1630 ARTESIA NM, 88210	Project: WILD COBRA ST. SWD #001 Project Number: NONE GIVEN Project Manager: SHELDON HITCHCOCK Fax To: NONE	Reported: 03-May-18 14:59
--	--	------------------------------

T-1 4'

H801143-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	256		16.0	mg/kg	4	8050102	AC	01-May-18	4500-Cl-B	
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Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	211		10.0	mg/kg wet	10	B805025	JDA	02-May-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COG OPERATING P. O. BOX 1630 ARTESIA NM, 88210	Project: WILD COBRA ST. SWD #001 Project Number: NONE GIVEN Project Manager: SHELDON HITCHCOCK Fax To: NONE	Reported: 03-May-18 14:59
--	--	------------------------------

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 8042611 - 1:4 DI Water

Blank (8042611-BLK1) Prepared & Analyzed: 26-Apr-18

Chloride	ND	16.0	mg/kg							
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LCS (8042611-BS1) Prepared & Analyzed: 26-Apr-18

Chloride	448	16.0	mg/kg	400		112	80-120			
----------	-----	------	-------	-----	--	-----	--------	--	--	--

LCS Dup (8042611-BSD1) Prepared & Analyzed: 26-Apr-18

Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	
----------	-----	------	-------	-----	--	-----	--------	------	----	--

Batch 8043003 - 1:4 DI Water

Blank (8043003-BLK1) Prepared & Analyzed: 30-Apr-18

Chloride	ND	16.0	mg/kg							
----------	----	------	-------	--	--	--	--	--	--	--

LCS (8043003-BS1) Prepared & Analyzed: 30-Apr-18

Chloride	432	16.0	mg/kg	400		108	80-120			
----------	-----	------	-------	-----	--	-----	--------	--	--	--

LCS Dup (8043003-BSD1) Prepared & Analyzed: 30-Apr-18

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
----------	-----	------	-------	-----	--	-----	--------	------	----	--

Batch 8050102 - 1:4 DI Water

Blank (8050102-BLK1) Prepared & Analyzed: 01-May-18

Chloride	ND	16.0	mg/kg							
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LCS (8050102-BS1) Prepared & Analyzed: 01-May-18

Chloride	416	16.0	mg/kg	400		104	80-120			
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

COG OPERATING P. O. BOX 1630 ARTESIA NM, 88210	Project: WILD COBRA ST. SWD #001 Project Number: NONE GIVEN Project Manager: SHELDON HITCHCOCK Fax To: NONE	Reported: 03-May-18 14:59
--	--	------------------------------

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8050102 - 1:4 DI Water

LCS Dup (8050102-BSD1)

Prepared & Analyzed: 01-May-18

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
----------	-----	------	-------	-----	--	-----	--------	------	----	--

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COG OPERATING P. O. BOX 1630 ARTESIA NM, 88210	Project: WILD COBRA ST. SWD #001 Project Number: NONE GIVEN Project Manager: SHELDON HITCHCOCK Fax To: NONE	Reported: 03-May-18 14:59
--	--	------------------------------

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 8042707 - Volatiles

Blank (8042707-BLK1)

Prepared & Analyzed: 27-Apr-18

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.114		mg/kg	0.100		114	72-148			

LCS (8042707-BS1)

Prepared & Analyzed: 27-Apr-18

Benzene	1.86	0.050	mg/kg	2.00		93.2	79.5-124			
Toluene	1.93	0.050	mg/kg	2.00		96.7	75.5-127			
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.5	77.7-125			
Total Xylenes	5.77	0.150	mg/kg	6.00		96.2	70.9-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.112		mg/kg	0.100		112	72-148			

LCS Dup (8042707-BSD1)

Prepared & Analyzed: 27-Apr-18

Benzene	1.80	0.050	mg/kg	2.00		90.0	79.5-124	3.46	6.5	
Toluene	1.86	0.050	mg/kg	2.00		93.0	75.5-127	3.82	7.02	
Ethylbenzene	1.85	0.050	mg/kg	2.00		92.3	77.7-125	5.41	7.83	
Total Xylenes	5.49	0.150	mg/kg	6.00		91.6	70.9-124	4.90	7.78	
Surrogate: 4-Bromofluorobenzene (PID)	0.112		mg/kg	0.100		112	72-148			

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 or 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 damage 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



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

Analytical Results For:

COG OPERATING P. O. BOX 1630 ARTESIA NM, 88210	Project: WILD COBRA ST. SWD #001 Project Number: NONE GIVEN Project Manager: SHELDON HITCHCOCK Fax To: NONE	Reported: 03-May-18 14:59
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8042606 - General Prep - Organics

Blank (8042606-BLK1)			Prepared & Analyzed: 26-Apr-18							
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	56.6		mg/kg	50.0		113	41-142			
Surrogate: 1-Chlorooctadecane	46.7		mg/kg	50.0		93.3	37.6-147			

LCS (8042606-BS1)			Prepared & Analyzed: 26-Apr-18							
GRO C6-C10	202	10.0	mg/kg	200		101	76.5-133			
DRO >C10-C28	199	10.0	mg/kg	200		99.7	72.9-138			
Total TPH C6-C28	402	10.0	mg/kg	400		100	78-132			
Surrogate: 1-Chlorooctane	49.6		mg/kg	50.0		99.2	41-142			
Surrogate: 1-Chlorooctadecane	44.8		mg/kg	50.0		89.6	37.6-147			

LCS Dup (8042606-BSD1)			Prepared & Analyzed: 26-Apr-18							
GRO C6-C10	204	10.0	mg/kg	200		102	76.5-133	0.819	20.6	
DRO >C10-C28	199	10.0	mg/kg	200		99.3	72.9-138	0.456	20.6	
Total TPH C6-C28	403	10.0	mg/kg	400		101	78-132	0.188	18	
Surrogate: 1-Chlorooctane	48.4		mg/kg	50.0		96.8	41-142			
Surrogate: 1-Chlorooctadecane	42.3		mg/kg	50.0		84.6	37.6-147			

Batch 8042701 - General Prep - Organics

Blank (8042701-BLK1)			Prepared & Analyzed: 27-Apr-18							
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	48.4		mg/kg	50.0		96.8	41-142			
Surrogate: 1-Chlorooctadecane	40.8		mg/kg	50.0		81.5	37.6-147			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

COG OPERATING P. O. BOX 1630 ARTESIA NM, 88210	Project: WILD COBRA ST. SWD #001 Project Number: NONE GIVEN Project Manager: SHELDON HITCHCOCK Fax To: NONE	Reported: 03-May-18 14:59
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8042701 - General Prep - Organics

LCS (8042701-BS1)		Prepared & Analyzed: 27-Apr-18								
GRO C6-C10	208	10.0	mg/kg	200		104	76.5-133			
DRO >C10-C28	204	10.0	mg/kg	200		102	72.9-138			
Total TPH C6-C28	412	10.0	mg/kg	400		103	78-132			
Surrogate: 1-Chlorooctane	49.0		mg/kg	50.0		98.1	41-142			
Surrogate: 1-Chlorooctadecane	45.6		mg/kg	50.0		91.3	37.6-147			

LCS Dup (8042701-BSD1)		Prepared & Analyzed: 27-Apr-18								
GRO C6-C10	209	10.0	mg/kg	200		104	76.5-133	0.405	20.6	
DRO >C10-C28	204	10.0	mg/kg	200		102	72.9-138	0.173	20.6	
Total TPH C6-C28	413	10.0	mg/kg	400		103	78-132	0.290	18	
Surrogate: 1-Chlorooctane	49.1		mg/kg	50.0		98.2	41-142			
Surrogate: 1-Chlorooctadecane	45.6		mg/kg	50.0		91.1	37.6-147			

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COG OPERATING P. O. BOX 1630 ARTESIA NM, 88210	Project: WILD COBRA ST. SWD #001 Project Number: NONE GIVEN Project Manager: SHELDON HITCHCOCK Fax To: NONE	Reported: 03-May-18 14:59
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Soluble (DI Water Extraction) - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B805025 - General Prep - Wet Chem

Blank (B805025-BLK1)										
Prepared & Analyzed: 02-May-18										
Chloride	ND	10.0	mg/kg wet							
LCS (B805025-BS1)										
Prepared & Analyzed: 02-May-18										
Chloride	233	10.0	mg/kg wet	250		93.0	85-115			
LCS Dup (B805025-BSD1)										
Prepared & Analyzed: 02-May-18										
Chloride	233	10.0	mg/kg wet	250		93.3	85-115	0.335	20	

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Celey D. Keene, Lab Director/Quality Manager



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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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: **Concho Resources** P.O. #: _____
 Project Manager: **Sheldon Hitchcock** Company: **COG**
 Address: **2407 Pecos Avenue** Attn: **Robert McNeill**
 City: **Artesia** State: **NM** Zip: **88210**
 Phone #: **575-703-6475** Fax #: _____
 Project #: _____ Project Owner: **Concho**
 Project Name: **Wild Coyote St. SWD #002** State: _____ Zip: _____
 Project Location: **Lea Co. NM** City: _____ Phone #: _____
 Sampler Name: **S. Hitchcock** Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :			
HS01142	T-0'	G	1	/	/	/	/	/	/	/	/	4/24/18	9:00	TPH Extended 8015M	
	T-1'	G	1	/	/	/	/	/	/	/	/		9:05	BTEX 8021b	
	T-2'	G	1	/	/	/	/	/	/	/	/		9:10	Chlorides (see Remarks)	
	T-3'	G	1	/	/	/	/	/	/	/	/		9:15	Chlorides CEPA 300 added	
	T-4'	G	1	/	/	/	/	/	/	/	/		9:20	5/1/18	

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Reinquished By: **Sheldon Peris** Date: **4/25/18** Received By: **Brittany Fell**
 Reinquished By: **#175** Time: _____

Delivered By: (Circle One) **UPS** Sample Condition: Intact Broken
 Sampler - UPS - Bus - Other: **4:70 / 4:05** Yes No Yes No

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326
 corrected - 050

REMARKS: **Stop CI if ≤ 600 w/18 run EPA 300 on final sample**

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

APPENDIX IV

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 April 3, 2017

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: Wild Cobra 1 State SWD #001	Facility Type: Tank Battery
Surface Owner: State	Mineral Owner: State
API No. 30-025-40933	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	12	19S	34E					Lea

Latitude 32.672014 Longitude -103.50558

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 30 bbls PW	Volume Recovered: 0 bbls PW
Source of Release: Flowline	Date and Hour of Occurrence: 12-11-2017 12:35 PM	Date and Hour of Discovery: 12-11-2017 12:35 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Ms. Yu NMOCD/Ms. Groves NMSLO	
By Whom? Sheldon Hitchcock	Date and Hour: 12-11-17 2:23 PM	
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.*

The release was caused by a damaged flowline and impacted the pasture adjacent to the lease road at the above referenced location. The damaged portion of the flowline has been replaced.

Describe Area Affected and Cleanup Action Taken.*

This release occurred in the pasture. Concho will have the spill area evaluated for any possible impact from the release and 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: HSE Coordinator	Approval Date:	Expiration Date:	
E-mail Address: dneel2@concho.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: December 14, 2017	Phone: 575-746-2010		

* Attach Additional Sheets If Necessary

APPENDIX V

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 April 3, 2017

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: Wild Cobra 1 State SWD #001	Facility Type: Tank Battery
Surface Owner: State	Mineral Owner: State
API No. 30-025-40933	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	12	19S	34E					Lea

Latitude 32.672014 Longitude -103.50558

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 30 bbls PW	Volume Recovered: 0 bbls PW
Source of Release: Flowline	Date and Hour of Occurrence: 12-11-2017 12:35 PM	Date and Hour of Discovery: 12-11-2017 12:35 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Ms. Yu NMOCD/Ms. Groves NMSLO	
By Whom? Sheldon Hitchcock	Date and Hour: 12-11-17 2:23 PM	
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.*

The release was caused by a damaged flowline and impacted the pasture adjacent to the lease road at the above referenced location. The damaged portion of the flowline has been replaced.

Describe Area Affected and Cleanup Action Taken.*

This release occurred in the pasture. All remedial activities have been completed in accordance with the NMSLO and NMOCD approved workplan.

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	
	Approved by Environmental Specialist: 	
Printed Name: Dakota Neel	Approval Date: 11/23/2022	Expiration Date: n/a
Title: HSE Coordinator	Conditions of Approval:	
E-mail Address: dneel2@concho.com	none	Attached <input type="checkbox"/>
Date: March 2, 2019 Phone: 575-746-2010		

* Attach Additional Sheets If Necessary

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

Action 161189

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 161189
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	11/23/2022