

February 13, 2018

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

Mark Naranjo
New Mexico State Land Office
1001 S. Atkinson
Roswell, NM 88230

**Re: Deferral Request Letter
Continental A State #001
API #: 30-015-29696
RP#: 2RP-3699
Unit Letter C Section 30, Township 17S, Range 29E**

Mr. Bratcher/Mr. Naranjo

COG Operating, LLC (COG) is pleased to submit for your consideration the following deferral request for the Continental A State #001. This release occurred on May 9, 2016, in an unlined tank battery and the pasture adjacent to the battery berm. Background information, laboratory results, summary of remedial actions, and deferral requested are submitted herein.

BACKGROUND

The Continental A State #001 release that occurred on May 9, 2016 is located in Unit Letter C, Section 30, Township 17 South, and Range 29 East in Eddy County, New Mexico. More specifically the latitude and longitude for this release are 32.811958 3 North and -104.1168976 West.

On May 9, 2016, a three (3) inch steel line failed due to corrosion. The failure resulted in the loss of approximately ten (10) barrels (bbls) of oil and six (6) bbls of produced water. A vacuum truck was utilized to recover freestanding fluids. Approximately ten (10) bbls of oil and four (4) bbls of produced water were recovered. The majority of the fluid remained within the earthen bermed containment. However there was some overspray that impacted the pasture adjacent to the eastern berm of the battery.

On June 10, 2016, COG personnel collected soil samples within the impacted area utilizing a hand auger. The maximum depth achieved with the hand auger was three (3) feet below ground surface (BGS). Due to the infrastructure in place further vertical delineation utilizing mechanical means is not possible.

GROUNDWATER AND SITE RANKING

Based on the 2005 Chevron Texaco groundwater trend map, groundwater in the project vicinity is approximately one-hundred and seventy-five (175) feet below ground surface (BGS). Therefore the site ranking for this release is zero (0) based on the following:

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

Analytical Results

Sample ID	Depth (feet)	Benzene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	Total TPH (mg/kg)
S-1	1	<0.050	<0.300	912	23.1
S-1	2	<0.050	<0.300	9460	14.9
S-1	3	<0.050	<0.300	11200	19.4

REMEDIAL ACTIONS

- The impacted area was hand excavated to the maximum extent feasible without threatening the structural integrity of the surrounding infrastructure.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- The excavation was backfilled and contoured to match the surrounding location.

DEFERRED REQUEST

Due to the infrastructure present at this location further excavation activities are not feasible without threatening the structural integrity of the surrounding equipment and the safety of personnel. COG Operating, LLC respectfully requests that any further remedial activities be deferred until abandonment of the facility.

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)

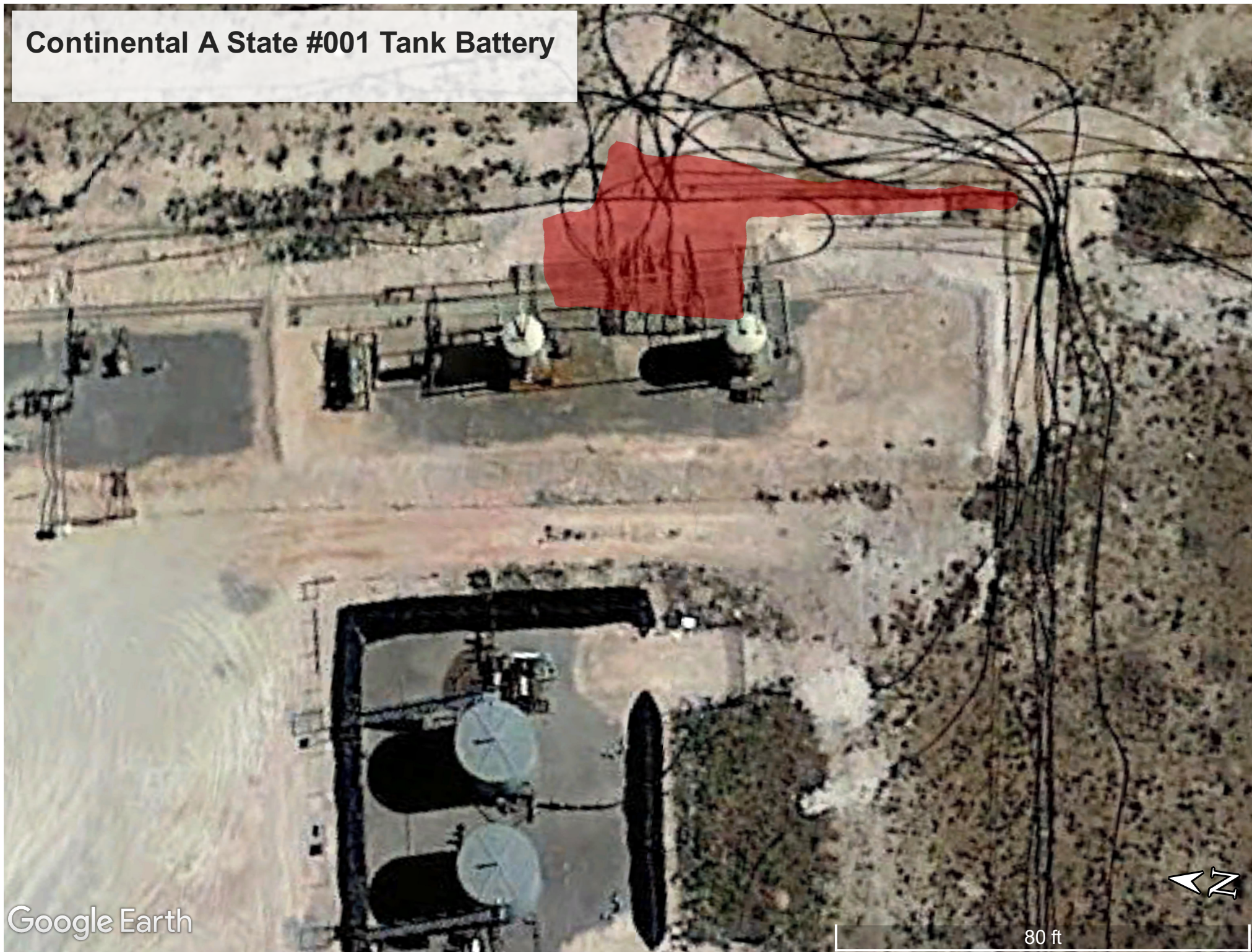
Appendix IV: Final C-141

Appendix V: Laboratory Analytical Reports and Chain-of-Custody Forms

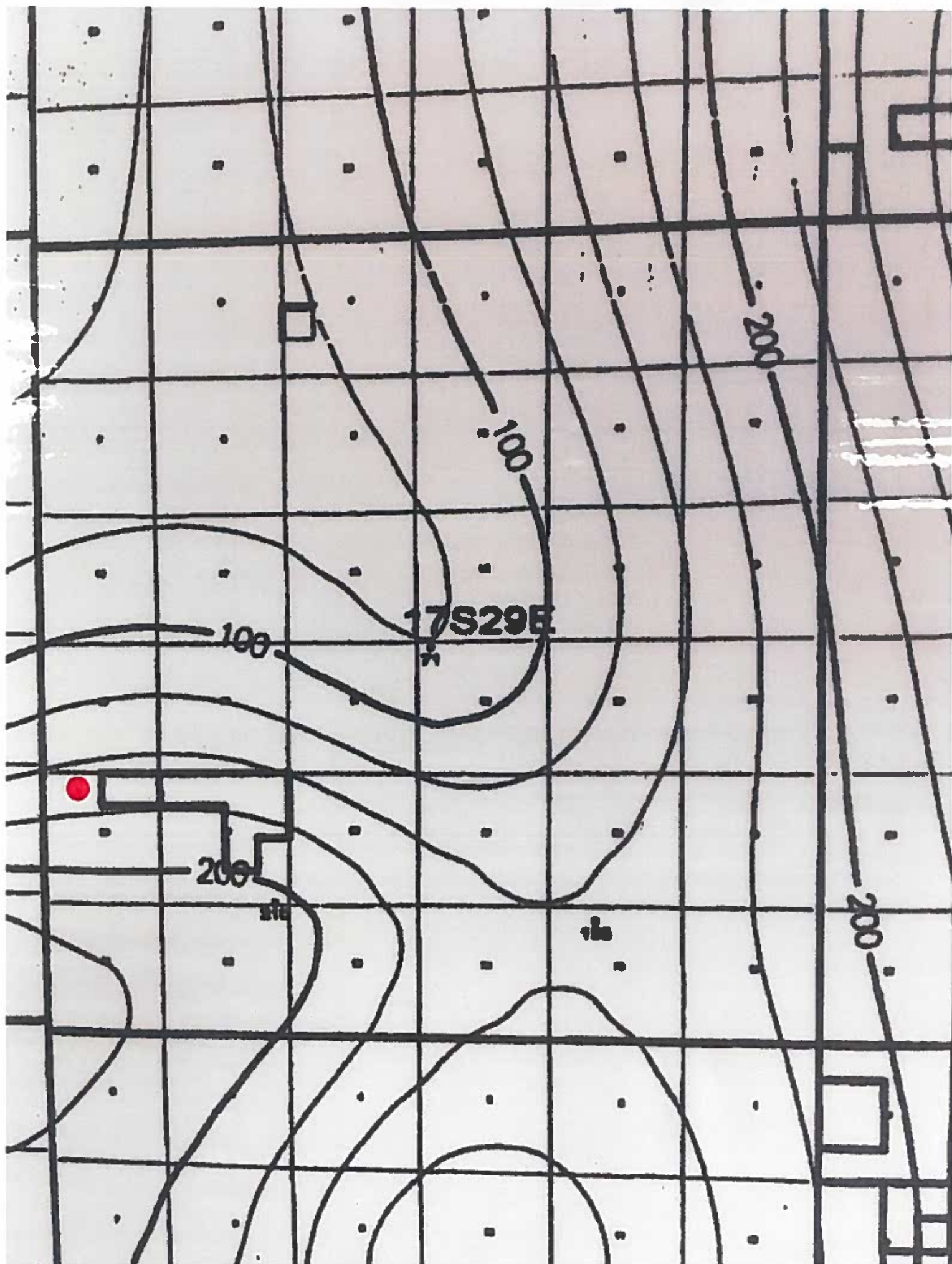
Appendix VI: Photographic Documentation

APPENDIX I

Continental A State #001 Tank Battery



APPENDIX II



APPENDIX III

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
200 Rio Brazos Road, Aztec, NM 87410
District IV
20 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company:	COG Operating LLC	Contact:	Robert McNeill
Address:	600 West Illinois Avenue, Midland TX 79701	Telephone No.	432-683-7443
Facility Name:	CONTINENTAL A STATE BATTERY	Facility Type:	Tank Battery
Surface Owner:	State	Mineral Owner:	API No. 30-015-29696

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	30	17S	29E	330	North	1409	West	Eddy

Latitude 32.8119583

Longitude 104.1168976

NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: 10bbls of oil 6bbls of produced water	Volume Recovered: 10bbls of oil 4bbls of produced water
Source of Release: Steel flowline	Date and Hour of Occurrence: 05-09-2016 2:45pm	Date and Hour of Discovery: 05-09-2016 2:45pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A 3" steel line corroded due to age. Replaced the corroded section of pipe with a new joint of 3" steel pipe.

Describe Area Affected and Cleanup Action Taken.*

A 20' X 4' area inside the facilities dike and a 1' X 1' outside the dike in the pasture were affected by the release. All free fluids were recovered; an initial cleanup was performed and the facility was put back into service. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	<u>Robert Grubbs Jr.</u>		
Printed Name:	Robert Grubbs Jr.	Approved by Environmental Specialist:	
Title:	Senior Environmental Coordinator	Approval Date:	Expiration Date:
E-mail Address:	rgrubbs@concho.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date:	05-17-2016	Phone:	432-683-7443

OIL CONSERVATION DIVISION

Attach Additional Sheets If Necessary

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 (OGRID# 229137)	Contact: Robert McNeill	
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No.: 432-683-7443	
Facility Name: Continental A State #001	Facility Type: Tank Battery	
Surface Owner: State	Mineral Owner: State	API No.: 30-015-29696

LOCATION OF RELEASE

Unit Letter C	Section 30	Township 17S	Range 29E	Feet from the 330	North/South Line North	Feet from the 1409	East/West Line West	County Eddy
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Latitude: 32.8119583 Longitude: -104.1168976 NAD83

NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: 10bbls of Oil & 6bls of PW	Volume Recovered: 10bbls of Oil & 4bbls of PW
Source of Release: Steel Flowline	Date and Hour of Occurrence: 5/9/2016 2:45pm	Date and Hour of Discovery: 5/9/2016 2:45pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* A 3" steel line corroded due to age. Replaced the corroded section of pipe with a new joint of 3" steel pipe.		
Describe Area Affected and Cleanup Action Taken.* A 20' x 4' area inside of the facilities dike and a 1' x 1' outside of the dike in the pasture were affected by the release. All free fluids were recovered. Concho excavated the impacted area to the extent feasible without threatening the structural integrity of infrastructure. The site will be fully remediated upon abandonment of the facility.		
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: <i>Sheldon Hitchcock</i>	OIL CONSERVATION DIVISION	
Printed Name: Sheldon L. Hitchcock	Approved by Environmental Specialist:	
Title: HSE Coordinator	Approval Date:	Expiration Date:
E-mail Address: slhitchcock@concho.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2/13/2018	Phone: 575-746-2010	

* Attach Additional Sheets If Necessary

APPENDIX V



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

June 21, 2016

LUPE CARRASCO
COG Operating, LLC
500 W. ILLINOIS
Midland, TX 79701

RE: CONTINENTAL A STATE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/15/16 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

COG Operating, LLC
LUPE CARRASCO
500 W. ILLINOIS
Midland TX, 79701
Fax To: None

Received:	06/15/2016	Sampling Date:	06/10/2016
Reported:	06/21/2016	Sampling Type:	Soil
Project Name:	CONTINENTAL A STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: S1-1' (H601319-01)

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	06/16/2016	ND	1.96	98.0	2.00	0.357		
Toluene*	<0.050	0.050	06/16/2016	ND	1.99	99.5	2.00	0.686		
Ethylbenzene*	<0.050	0.050	06/16/2016	ND	1.83	91.7	2.00	0.552		
Total Xylenes*	<0.150	0.150	06/16/2016	ND	5.71	95.2	6.00	0.128		
Total BTEX	<0.300	0.300	06/16/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	06/17/2016	ND	432	108	400	0.00		

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	06/16/2016	ND	190	95.2	200	1.69		
DRO >C10-C28	23.1	10.0	06/16/2016	ND	190	95.0	200	0.960		

Surrogate: 1-Chlorooctane 78.4 % 35-147

Surrogate: 1-Chlorooctadecane 86.2 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

COG Operating, LLC
LUPE CARRASCO
500 W. ILLINOIS
Midland TX, 79701
Fax To: None

Received:	06/15/2016	Sampling Date:	06/10/2016
Reported:	06/21/2016	Sampling Type:	Soil
Project Name:	CONTINENTAL A STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: S1-2' (H601319-02)

BTX 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	06/16/2016	ND	1.96	98.0	2.00	0.357	
Toluene*	<0.050	0.050	06/16/2016	ND	1.99	99.5	2.00	0.686	
Ethylbenzene*	<0.050	0.050	06/16/2016	ND	1.83	91.7	2.00	0.552	
Total Xylenes*	<0.150	0.150	06/16/2016	ND	5.71	95.2	6.00	0.128	
Total BTX	<0.300	0.300	06/16/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9460	16.0	06/17/2016	ND	432	108	400	0.00	

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	06/17/2016	ND	190	95.1	200	0.0594	
DRO >C10-C28	14.9	10.0	06/17/2016	ND	190	94.8	200	2.04	

Surrogate: 1-Chlorooctane 79.7 % 35-147

Surrogate: 1-Chlorooctadecane 83.6 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

COG Operating, LLC
LUPE CARRASCO
500 W. ILLINOIS
Midland TX, 79701
Fax To: None

Received:	06/15/2016	Sampling Date:	06/10/2016
Reported:	06/21/2016	Sampling Type:	Soil
Project Name:	CONTINENTAL A STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: S1-3' (H601319-03)

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	06/16/2016	ND	1.96	98.0	2.00	0.357	
Toluene*	<0.050	0.050	06/16/2016	ND	1.99	99.5	2.00	0.686	
Ethylbenzene*	<0.050	0.050	06/16/2016	ND	1.83	91.7	2.00	0.552	
Total Xylenes*	<0.150	0.150	06/16/2016	ND	5.71	95.2	6.00	0.128	
Total BTEx	<0.300	0.300	06/16/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	06/17/2016	ND	432	108	400	0.00	

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	06/17/2016	ND	190	95.1	200	0.0594	
DRO >C10-C28	19.4	10.0	06/17/2016	ND	190	94.8	200	2.04	

Surrogate: 1-Chlorooctane 79.3 % 35-147

Surrogate: 1-Chlorooctadecane 74.6 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: COG Operating LLC
Project Manager: Lupe Carrasco

Address: 2208 West Main

City: Artesia

Phone #: (575) 748-0940

Project #:

Project Name: Continental A State Battery

Project Location:

Sample Name: Lupe Carrasco

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: COG Operating LLC

Attn: Robert McNeill

Address: 600 W Illinois

City: Midland

State: TX Zip: 79701

Phone #: (432) 221-0388

Lab I.D. Sample I.D.

HT01319

-1 S1-1'
-2 S1-2'
-3 S1-3'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

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BTEX

TPH

Chloride

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 the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Relinquished By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other: FORM-006 R 2.0

Date: 8/15/16 Received By: Angela Cabrera

Date: 8/15/16 Received By: Angela Cabrera

Date: 8/15/16 Received By: Angela Cabrera

Date: 8/15/16 Received By: Angela Cabrera

Time:

Time:

Time:

Time:

Time:

Sample Condition

Cool ☒ Intact ☒

Yes ☒ No ☒

Yes ☒ No ☒

Yes ☒ No ☒

CHECKED BY: (Initials)

CHECKED BY: (Initials)

CHECKED BY: (Initials)

CHECKED BY: (Initials)

CHECKED BY: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: gcarascos@concho.com
atrujillo@concho.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

APPENDIX VI



COG Operating LLC

CONTINENTAL A STATE BATTERY

UNIT C, SEC. 30-T17S-R29E

EDDY COUNTY, NEW MEXICO







