



Amanda Trujillo
Senior Environmental Coordinator

November 10, 2014

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

Re: SRO State Com #5
30-015-37425
Sec. 8, T26S-R28E
Eddy County, NM

Mr. Mike Bratcher,

COG Operating LLC would like to submit the enclosed documents for closure of the SRO State Com #5 release that was reported on the C-141 Initial report dated July 10, 2014.

All work has been completed in accordance with the approved work plan submitted to OCD along with the excavation stipulation requested by OCD. Attached are the confirmation samples. The impacted area has been excavated and backfilled to its original state.

A signed C-141 Final is enclosed for your consideration. Please feel free to contact me with any further questions or concerns at (575) 748-6940.

Sincerely,

A handwritten signature in blue ink that reads "A Trujillo".

Amanda Trujillo
Senior Environmental Scientist

Enclosed: A) C-141 Initial (Copy)
 B) C-141 Final
 C) Lab Analysis – Conformation samples

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

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.	432-230-0077
Facility Name	SRO State Com #5H	Facility Type	Well
Surface Owner	State	Mineral Owner	
		Lease No. (API#)	30-015-37425

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	8	26S	28E	660	South	330	West	Eddy

Latitude 32.82495

Longitude 103.43979

NATURE OF RELEASE

Type of Release Produced water and Condensate	Volume of Release Unknown (bbls)	Volume Recovered Unknown (bbls)
Source of Release Well Control Issue	Date and Hour of Occurrence 07-01-2014 2:30 pm	Date and Hour of Discovery 07-01-2014 2:30 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Randy Dade - NMOCD	
By Whom? Amanda Trujillo	Date and Hour 07-02-2014 09:30am	
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.*

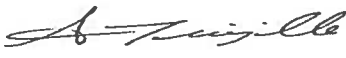
Describe Cause of Problem and Remedial Action Taken.*

During a routine pump change, while pulling tubing, the well kicked, and the BOP rams were unable to close around the tubing. A third party well service company addressed the issue. During the event fluid being releases was a light mist. All free standing fluids picked up and disposed of at an NMOCD approved facility.

Describe Area Affected and Cleanup Action Taken.*

Main impact area was contained to the pad. Berms were constructed to control any runoff. All free fluids have been recovered. 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.
Work completed per the OCD 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: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Amanda Trujillo	Approved by District Supervisor:		
Title: Senior Environmental Coordinator	Approval Date:	Expiration Date:	
E-mail Address: atrujillo@concho.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 07-10-2014	Phone: 575-748-6940		

* Attach Additional Sheets If Necessary

October 15, 2014

AMANDA TRUJILLO

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: SRO #5

Enclosed are the results of analyses for samples received by the laboratory on 10/14/14 12:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
AMANDA TRUJILLO
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 10/14/2014
Reported: 10/15/2014
Project Name: SRO #5
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 10/14/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: CS-7 3' (H403146-01)

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	10/15/2014	ND	1.78	89.2	2.00	7.24	
Toluene*	<0.050	0.050	10/15/2014	ND	1.66	83.2	2.00	8.17	
Ethylbenzene*	<0.050	0.050	10/15/2014	ND	1.61	80.3	2.00	6.80	
Total Xylenes*	<0.150	0.150	10/15/2014	ND	4.80	80.1	6.00	6.82	
Total BTEX	<0.300	0.300	10/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/14/2014	ND	416	104	400	3.92	

TPH B015M		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	10/15/2014	ND	172	86.2	200	5.00	
DRO >C10-C28	<10.0	10.0	10/15/2014	ND	170	85.2	200	0.657	

Surrogate: 1-Chlorooctane 80.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.8 % 52.1-176

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 and 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 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 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

Analytical Results For:

 COG OPERATING
 AMANDA TRUJILLO
 P. O. BOX 1630
 ARTESIA NM, 88210
 Fax To: NONE

 Received: 10/14/2014
 Reported: 10/15/2014
 Project Name: SRO #5
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 10/14/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: CS-9 3' (H403146-02)

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	10/15/2014	ND	1.78	89.2	2.00	7.24	
Toluene*	<0.050	0.050	10/15/2014	ND	1.66	83.2	2.00	8.17	
Ethylbenzene*	<0.050	0.050	10/15/2014	ND	1.61	80.3	2.00	6.80	
Total Xylenes*	<0.150	0.150	10/15/2014	ND	4.80	80.1	6.00	6.82	
Total BTEX	<0.300	0.300	10/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4440	16.0	10/14/2014	ND	416	104	400	3.92	

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	10/15/2014	ND	172	86.2	200	5.00	
DRO >C10-C28	<10.0	10.0	10/15/2014	ND	170	85.2	200	0.657	

Surrogate: 1-Chlorooctane 85.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.5 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
AMANDA TRUJILLO
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 10/14/2014
Reported: 10/15/2014
Project Name: SRO #5
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 10/14/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: CS-10 3' (H403146-03)

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	10/15/2014	ND	1.78	89.2	2.00	7.24	
Toluene*	<0.050	0.050	10/15/2014	ND	1.66	83.2	2.00	8.17	
Ethylbenzene*	<0.050	0.050	10/15/2014	ND	1.61	80.3	2.00	6.80	
Total Xylenes*	<0.150	0.150	10/15/2014	ND	4.80	80.1	6.00	6.82	
Total BTX	<0.300	0.300	10/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	10/14/2014	ND	416	104	400	3.92	

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	10/15/2014	ND	172	86.2	200	5.00	
DRO >C10-C28	<10.0	10.0	10/15/2014	ND	170	85.2	200	0.657	

Surrogate: 1-Chlorooctane 81.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.2 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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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

Project Manager: Amelia

Address: 2008 W. Main Street

City: Albuquerque State: NM Zip: 88210

Phone #: 505-350-1336 Fax #:

Project #: Project Owner:

Project Name: SR0 #5

Project Location: Eddy County, New Mexico

Sampler Name: Janett Meeker

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D. Sample I.D.

#403146

1 15-7 3' 9:00 am
2 15-9 3' 9:00 am
3 15-10 3' 9:00 am

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

Chlorides

BTEX 82608021

TPH 412 80.5

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 for the service by the client. No claims for consequential damages, including without limitation business interruptions, loss of life, or loss of profits incurred by client, as a result of service, shall be made against Cardinal. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation business interruptions, loss of life, or loss of profits incurred by client, as a result of service, arising out of or related to the performance of services hereunder by Cardinal or its subcontractors.

Relinquished By:

Relinquished By: Janett Meeker

Date: 01/14/2014 Time: 12:34 pm

Date: 01/14/2014 Time: 12:34 pm

Received By: Janett Meeker

Phone Result: ☐ Yes ☐ No Add'l Phone #: 7811

Fax Result: ☐ Yes ☐ No Add'l Fax #:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

4.60

Sample Condition
Cool ☒ Intact ☒
Yes ☒ No ☒

CHECKED BY: Janett Meeker

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

October 16, 2014

AMANDA TRUJILLO

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: SRO #5

Enclosed are the results of analyses for samples received by the laboratory on 10/15/14 13:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
AMANDA TRUJILLO
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 10/15/2014
Reported: 10/16/2014
Project Name: SRO #5
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 10/15/2014
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Kathy Perez

Sample ID: CS-7 4' (H403157-01)
BTEX 80218
mg/kg
Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2014	ND	1.77	88.5	2.00	9.77	
Toluene*	<0.050	0.050	10/16/2014	ND	1.67	83.6	2.00	10.1	
Ethylbenzene*	<0.050	0.050	10/16/2014	ND	1.59	79.7	2.00	10.0	
Total Xylenes*	<0.150	0.150	10/16/2014	ND	4.76	79.4	6.00	10.1	
Total BTEX	<0.300	0.300	10/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.1 % 61-154

Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/15/2014	ND	400	100	400	3.92	

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	10/15/2014	ND	170	85.1	200	2.28	
DRO >C10-C28	<10.0	10.0	10/15/2014	ND	172	86.1	200	2.02	

Surrogate: 1-Chlorooctane 92.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

Cardinal Laboratories
***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
AMANDA TRUJILLO
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 10/15/2014
Reported: 10/16/2014
Project Name: SRO #5
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 10/15/2014
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Kathy Perez

Sample ID: CS-9 4' (H403157-02)
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	10/16/2014	ND	1.77	88.5	2.00	9.77	
Toluene*	<0.050	0.050	10/16/2014	ND	1.67	83.6	2.00	10.1	
Ethylbenzene*	<0.050	0.050	10/16/2014	ND	1.59	79.7	2.00	10.0	
Total Xylenes*	<0.150	0.150	10/16/2014	ND	4.76	79.4	6.00	10.1	
Total BTEX	<0.300	0.300	10/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 101 % 61-154

Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/15/2014	ND	400	100	400	3.92	

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	10/15/2014	ND	170	85.1	200	2.28	
DRO >C10-C28	<10.0	10.0	10/15/2014	ND	172	86.1	200	2.02	

Surrogate: 1-Chlorooctane 88.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories*=**Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

[illegible]