



[Sheldon L. Hitchcock]
[HSE Coordinator]

October 24, 2018

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

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

Re: Closure Letter
SRO State Com #060H
API #: 30-015-41741
RP#: 2RP-4521
Unit Letter H Section 10, Township 26S, Range 28E
Eddy County, NM

Mr. Bratcher/Mr. Mann,

COG Operating, LLC (COG) is pleased to submit for your consideration the following closure report for the SRO State Com #060H. This release occurred on December 13, 2017. Following the release, remedial activities were conducted utilizing field chloride titrations and visual observations to guide the extent of the excavation.

BACKGROUND

The SRO State Com #060H release is located in Unit Letter H, Section 10, Township 26 South and Range 28 East in Eddy County, New Mexico. More specifically the latitude and longitude for this release are 32.0575981 North and -104.0678101 West.

On December 13, 2017, loss of pressure in the system resulted in the knock out sending fluid to the flare. This resulted in a fire and the release of approximately one (1) barrel bbl of oil. Due to the release resulting in a fire COG immediately notified New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (NMSLO).

Remediation activities were conducted in accordance with NMOCD and NMSLO guidelines. Field chloride titrations and visual observations were utilized to guide the extent of the excavation. Confirmation soil samples were taken from the bottom and sidewalls of the excavation to ensure that all soil above NMOCD Recommended Remedial Action Levels (RRAL's) was successfully removed. A site diagram of the excavated area is presented in Appendix I.

October 24, 2018

GROUNDWATER AND SITE RANKING

According to the New Mexico Office of the State Engineer (NMOSE) groundwater in the project vicinity is approximately one-hundred and twenty (120) 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 zero (0) based on the following:

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

CONFIRMATION SOIL SAMPLING RESULTS

May 14, 2018

Sample ID	Depth (feet)	Benzene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	Total TPH (mg/kg)
S. SIDEWALL	1	<0.050	<0.300	208	<10.0
E. SIDEWALL	1	<0.050	<0.300	144	199
W.SIDEWALL	1	<0.050	<0.300	256	44.1
N.SIDEWALL	1	<0.050	<0.300	32	<10.0
BOTTOM	1	<0.050	<0.300	544	<10.0

October 24, 2018

REMEDIAL ACTIONS

- The impacted area was excavated to a depth of one (1) foot BGS.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- On May 14, 2018, confirmation soil samples were taken from the bottom and sidewalls of the excavation.
- Upon receipt of analytical results from the confirmation soil sampling event it was determined that all of the impacted soil above NMOCD RRAL's was successfully removed. The excavation was backfilled with caliche and contoured to match the surrounding location.

October 24, 2018

CLOSURE REQUEST

COG Operating, LLC respectfully requests that the New Mexico Oil Conservation Division and the New Mexico State Land Office grant closure approval for the SRO State Com #060H incident that occurred on December 13, 2017.

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: Analytical Reports and Chain-of-Custody Forms

APPENDIX I

SRO State Com #060H



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
C 02479	CUB	ED		4	4	10	26S	28E		587909	3546534*	807	200		
C 02480	CUB	ED		4	4	10	26S	28E		587909	3546534*	807	150		
C 02924	C	ED		1	3	2	11	26S	28E	589032	3547451*	1129			
C 02160 S5	CUB	ED		1	1	1	14	26S	28E	588225	3546237*	1148	300	120	180
C 02481	CUB	ED		1	1	14	26S	28E		588326	3546138*	1273	200		
C 02160 S3	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	1437	300	120	180
C 02160 S4	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	1437	300	120	180
C 02160 S	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	1578	300	120	180
C 02160 S2	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	1578	300	120	180
C 04022 POD1	CUB	ED		4	4	2	15	26S	28E	588082	3545647	1702	220	175	45
C 02160 S6	CUB	ED		3	3	1	14	26S	28E	588232	3545635*	1736	300	120	180
C 02160	CUB	ED		4	1	2	14	26S	28E	589243	3546044*	1861	300	120	180
C 02160 S9	CUB	ED		3	3	2	02	26S	28E	589020	3548868*	1888	300	120	180

Average Depth to Water: **126 feet**
 Minimum Depth: **120 feet**
 Maximum Depth: **175 feet**

Record Count: 13

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 587908

Northing (Y): 3547341

Radius: 2000

*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

NM OIL CONSERVATION

ARTESIA DISTRICT

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

DEC 14 2017

Form C-141
Revised April 3, 2017

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

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

Release Notification and Corrective Action

NAB1735258505

OPERATOR

Initial Report Final Report

Name of Company: COG Operating LLC [229137]	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-683-7443
Facility Name: SRO STATE COM #060H	Facility Type: Tank Battery
Surface Owner: State	Mineral Owner: State
	API No. 30-015-41741

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	10	26S	28E	2450'	North	380'	East	Eddy

Latitude 32.0575981 Longitude 104.0678101

NATURE OF RELEASE

Type of Release: Oil/Fire	Volume of Release: 1 bbls Oil	Volume Recovered: 0 bbls Oil
Source of Release: Flare	Date and Hour of Occurrence: 12-13-2017 8:55 PM	Date and Hour of Discovery: 12-13-2017 8:55 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Ms. Weaver NMOCD/Ms. Groves NMSLO	
By Whom? Dakota Neel	Date and Hour: 12-14-2017	Time of this Email: 10:54AM * <i>per email</i>
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.*

This release was caused by loss of pressure in the system which resulted in the knock out sending fluid to the flare.

Describe Area Affected and Cleanup Action Taken.*

This release occurred on location. All released fluid burned in the fire. Concho will have the spill site inspected for any possible impact 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: <i>Dakota Neel</i>	OIL CONSERVATION DIVISION	
	Approved by Environmental Specialist: <i>Crystal W</i>	
Printed Name: Dakota Neel	Approval Date: 12/18/17	Expiration Date: NIA
Title: HSE Coordinator	Conditions of Approval:	
E-mail Address: dneel2@concho.com	Attached <input type="checkbox"/> 2RP-4521	
Date: December 14, 2017	Phone: 575-746-2010	

* Attach Additional Sheets If Necessary

12/15/17AB

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: SRO State Com #060H	Facility Type: Tank Battery

Surface Owner: State	Mineral Owner: State	API No.: 30-015-41741
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	10	26S	28E	2450	North	380	East	Eddy

Latitude: Longitude: NAD83

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 1bbl Oil	Volume Recovered: 0bbl
Source of Release: Flare	Date and Hour of Occurrence: 12/13/2017 8:55pm	Date and Hour of Discovery: 12/13/2018 8:55pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Ms. Weaver-NMOCD Ms. Groves-NMSLO	
By Whom? Dakota Neel	Date and Hour: 12/14/2017 10:54am	
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.*
Loss of gas pressure in the system resulted in fluid being sent to the flare.

Describe Area Affected and Cleanup Action Taken.*
The release was contained to the location. The impacted area was excavated to a depth of one foot below ground surface. Confirmation soil samples were taken from the bottom and sidewalls of the excavation. The confirmation soil samples indicated that all of the impacted material above NMOCD RRAL's had been successfully removed. The excavation was backfilled and contoured to match the surrounding terrain.

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: <i>Britten Hall</i>	
Title: HSE Coordinator	Approval Date: 11/16/2022	Expiration Date: N/A	
E-mail Address: slhitchcock@concho.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 10/24/2018	Phone: 575-746-2010	none	

* Attach Additional Sheets If Necessary

APPENDIX V



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

May 18, 2018

DAVID ADKINS
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

RE: SRO STATE COM #60H

Enclosed are the results of analyses for samples received by the laboratory on 05/15/18 16:45.

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/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 style.

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	05/15/2018	Sampling Date:	05/14/2018
Reported:	05/18/2018	Sampling Type:	Soil
Project Name:	SRO STATE COM #60H	Sampling Condition:	Cool & Intact
Project Number:	700778.102.01	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: 1' SOUTH SIDEWALL (H801356-01)

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	05/17/2018	ND	1.92	96.0	2.00	2.97	
Toluene*	<0.050	0.050	05/17/2018	ND	2.00	99.8	2.00	2.29	
Ethylbenzene*	<0.050	0.050	05/17/2018	ND	2.03	102	2.00	2.61	
Total Xylenes*	<0.150	0.150	05/17/2018	ND	6.13	102	6.00	4.02	
Total BTEX	<0.300	0.300	05/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/17/2018	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	05/16/2018	ND	213	107	200	3.76	
DRO >C10-C28*	<10.0	10.0	05/16/2018	ND	206	103	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	05/16/2018	ND					

Surrogate: 1-Chlorooctane 98.8 % 41-142

Surrogate: 1-Chlorooctadecane 77.8 % 37.6-147

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



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

Analytical Results For:

TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	05/15/2018	Sampling Date:	05/14/2018
Reported:	05/18/2018	Sampling Type:	Soil
Project Name:	SRO STATE COM #60H	Sampling Condition:	Cool & Intact
Project Number:	700778.102.01	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: 1' EAST SIDEWALL (H801356-02)

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	05/17/2018	ND	1.92	96.0	2.00	2.97	
Toluene*	<0.050	0.050	05/17/2018	ND	2.00	99.8	2.00	2.29	
Ethylbenzene*	<0.050	0.050	05/17/2018	ND	2.03	102	2.00	2.61	
Total Xylenes*	<0.150	0.150	05/17/2018	ND	6.13	102	6.00	4.02	
Total BTEX	<0.300	0.300	05/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/17/2018	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	05/16/2018	ND	213	107	200	3.76	
DRO >C10-C28*	199	10.0	05/16/2018	ND	206	103	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	05/16/2018	ND					

Surrogate: 1-Chlorooctane 96.8 % 41-142

Surrogate: 1-Chlorooctadecane 83.3 % 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:

TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	05/15/2018	Sampling Date:	05/14/2018
Reported:	05/18/2018	Sampling Type:	Soil
Project Name:	SRO STATE COM #60H	Sampling Condition:	Cool & Intact
Project Number:	700778.102.01	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: 1' WEST SIDEWALL (H801356-03)

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	05/17/2018	ND	1.92	96.0	2.00	2.97	
Toluene*	<0.050	0.050	05/17/2018	ND	2.00	99.8	2.00	2.29	
Ethylbenzene*	<0.050	0.050	05/17/2018	ND	2.03	102	2.00	2.61	
Total Xylenes*	<0.150	0.150	05/17/2018	ND	6.13	102	6.00	4.02	
Total BTEX	<0.300	0.300	05/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/17/2018	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	05/16/2018	ND	213	107	200	3.76	
DRO >C10-C28*	44.1	10.0	05/16/2018	ND	206	103	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	05/16/2018	ND					

Surrogate: 1-Chlorooctane 92.1 % 41-142

Surrogate: 1-Chlorooctadecane 82.4 % 37.6-147

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



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

Analytical Results For:

TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	05/15/2018	Sampling Date:	05/14/2018
Reported:	05/18/2018	Sampling Type:	Soil
Project Name:	SRO STATE COM #60H	Sampling Condition:	Cool & Intact
Project Number:	700778.102.01	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: 1' NORTH SIDEWALL (H801356-04)

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	05/17/2018	ND	1.92	96.0	2.00	2.97	
Toluene*	<0.050	0.050	05/17/2018	ND	2.00	99.8	2.00	2.29	
Ethylbenzene*	<0.050	0.050	05/17/2018	ND	2.03	102	2.00	2.61	
Total Xylenes*	<0.150	0.150	05/17/2018	ND	6.13	102	6.00	4.02	
Total BTEX	<0.300	0.300	05/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/17/2018	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	05/16/2018	ND	213	107	200	3.76	
DRO >C10-C28*	<10.0	10.0	05/16/2018	ND	206	103	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	05/16/2018	ND					

Surrogate: 1-Chlorooctane 92.3 % 41-142

Surrogate: 1-Chlorooctadecane 86.8 % 37.6-147

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



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

Analytical Results For:

TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	05/15/2018	Sampling Date:	05/14/2018
Reported:	05/18/2018	Sampling Type:	Soil
Project Name:	SRO STATE COM #60H	Sampling Condition:	Cool & Intact
Project Number:	700778.102.01	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: 1' BOTTOM (H801356-05)

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	05/17/2018	ND	1.92	96.0	2.00	2.97	
Toluene*	<0.050	0.050	05/17/2018	ND	2.00	99.8	2.00	2.29	
Ethylbenzene*	<0.050	0.050	05/17/2018	ND	2.03	102	2.00	2.61	
Total Xylenes*	<0.150	0.150	05/17/2018	ND	6.13	102	6.00	4.02	
Total BTEX	<0.300	0.300	05/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	05/17/2018	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	05/16/2018	ND	213	107	200	3.76	
DRO >C10-C28*	<10.0	10.0	05/16/2018	ND	206	103	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	05/16/2018	ND					

Surrogate: 1-Chlorooctane 91.0 % 41-142

Surrogate: 1-Chlorooctadecane 88.3 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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

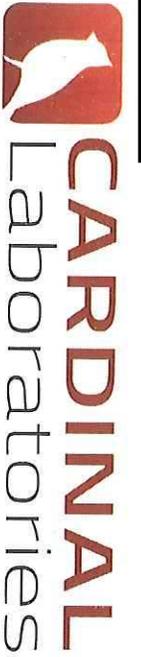
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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

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

BILL TO

ANALYSIS REQUEST

Company Name: Talon LLP
 Project Manager: D. Adkins
 Address: 408 W. Texas Ave
 City: Antesita State: NM Zip: 88210
 Phone #: 575-746-8768 Fax #: 575-746-8905
 Project #: 1001748.102.01 Project Owner: COG
 Project Name: SRO State Com #6014
 Project Location: Eddy County
 Sampler Name: C. Saramillo
 P.O. #: _____
 Company: COG
 Attn: S. Hirschcock
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
#1801356	1' South Sidewall	G	1							5/14/18	1202	TPM Ext
	2' East Sidewall										1204	BTEX
	3' West Sidewall										1206	Chlorides
	4' North Sidewall										1200	
	5' Bottom										1208	

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Relinquished By: [Signature] Date: 5/15-18 Received By: [Signature]
 Time: 1430

Delivered By: [Signature] Date: 5/15/18 Received By: [Signature]
 Time: 1645
 Sample Condition: Cool Intact
 Checked By: [Signature] (Initials) TS #75

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

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

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 159503

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 159503
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	11/16/2022