

July 29, 2016

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

Re: BURCH KEELY UNIT 18A Battery

Sec. 18, T17S-R30E Eddy County, NM

Mr. Bratcher/Mr. Arias,

COG Operating LLC would like to submit the enclosed document for closure of the above captioned well. The plan is in response to the C-141 Initial report dated May 26, 2016.

This release was caused by a gasket failure on a separator. Vacuum trucks were dispatched to recover all standing fluid and Microblaze was applied to the impacted pasture area. The equipment was also pressure washed. The greater part of this release was contained within the lined bermed area; however a spray of fluid impacted the pasture area. The impacted area measured approximately 0.73 acres. Samples were taken from the area with the greatest impact to the soil. The majority of the spray covered vegetation with little impact to the soil.

Attached is a map of the impacted area with sampling points and results. At this time we would like to request closure of 2RP-3717. A signed C-141 Final is enclosed for your consideration. Please feel free to contact me with any questions or concerns at (575) 748-6640.

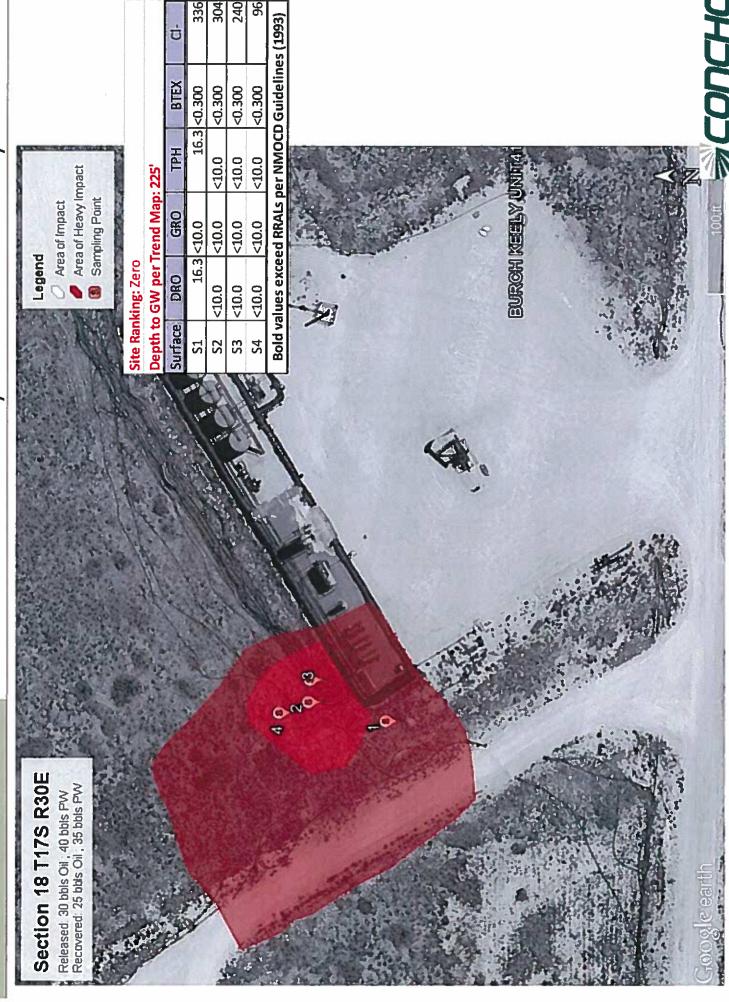
Sincerely,

Amanda Trujillo Davis

Senior Environmental Coordinator

Enclosed

- (1) Site Diagram and Summary Table
- (2) Laboratory Analysis
- (3) C-141 Final





July 13, 2016

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

RE: BURCH KEELY 18A TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/06/16 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keens

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



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

Received: Reported: 07/06/2016

07/13/2016

Project Name: Project Number: **BURCH KEELY 18A TANK BATTERY**

Project Location:

NONE GIVEN NONE GIVEN Sampling Date:

06/30/2016

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S1-SURFACE (H601515-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2016	ND	1.99	99.5	2.00	0.129	
Toluene*	<0.050	0.050	07/08/2016	ND	2.04	102	2.00	0.862	
Ethylbenzene*	<0.050	0.050	07/08/2016	ND	1.96	98.2	2.00	0.914	
Total Xylenes*	<0.150	0.150	07/08/2016	ND	5.93	98.8	6.00	0.0424	
Total BTEX	<0.300	0.300	07/08/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIC	101 9	6 73 6-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/07/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/09/2016	ND	184	91.9	200	4.98	
DRO >C10-C28	16,3	10.0	07/09/2016	ND	201	101	200	7.47	
Surrogate: 1-Chlorooctane	81.95	% 35-147							
Surrogate 1-Chlorooctadecane	85.1	6 28-171							

Cardinal Laboratories

*=Accredited Analyte

PLEASE MOTE: Liability and Damages. Cardinal's liability and chern's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by chern for analyses. All claims, including those for negligence and any other cause whistories shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the apphicible service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, fost of use, or loss of use, or loss of profits incurred by clerk, its submissiones, affiliates or successors errang out of or related to the performance of the services hereunder by Cardinal, regardless of whether lists 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 Laborationes.

Celley To Kenna -

Celey D. Keene, Lab Director/Quality Manager



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

Received:

07/06/2016

Sampling Date:

06/30/2016

Reported:

07/13/2016

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

BURCH KEELY 18A TANK BATTERY

Sample Received By:

Jodi Henson

Project Number: Project Location: NONE GIVEN **NONE GIVEN**

Sample ID: S2-SURFACE (H601515-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2016	ND	1.99	99.5	2.00	0.129	
Toluene*	<0.050	0.050	07/08/2016	ND	2.04	102	2.00	0.862	
Ethylbenzene*	<0.050	0.050	07/08/2016	ND	1.96	98.2	2.00	0.914	
Total Xylenes*	<0.150	0.150	07/08/2016	ND	5.93	98.8	6.00	0.0424	
Total BTEX	<0.300	0.300	07/08/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 5	73.6-14	0					to ref	
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/07/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/09/2016	ND	184	91.9	200	4.98	
DRO >C10-C28	<10.0	10.0	07/09/2016	ND	201	101	200	7.47	
Surrogate: 1-Chlorooctane	71.5	% 35-147							
Surrogate: 1-Chlorooctadecane	75,2	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liabely and Damages. Cardinal's Babely and chemits exclusive remedy for any claim arming, whether based in contract or tort, shall be limited to the amount paid by clear for enelyses. All claims, including those for neglegence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal, be lable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by cherit, 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 Laboratones.

Celary Kana

Celey D. Keene, Lab Director/Quality Manager



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

Received:

07/06/2016

Sampling Date:

06/30/2016

Reported:

07/13/2016

Sampling Type:

Soil

Project Name:

BURCH KEELY 18A TANK BATTERY

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN

NONE GIVEN

Sample Received By:

Jodi Henson

Sample ID: S3-SURFACE (H601515-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2016	ND	1.99	99.5	2.00	0.129	
Toluene*	<0.050	0.050	07/08/2016	ND	2.04	102	2.00	0.862	
Ethylbenzene*	<0.050	0.050	07/08/2016	ND	1.96	98.2	2.00	0.914	
Total Xylenes*	<0.150	0.150	07/08/2016	ND	5.93	98.8	6.00	0.0424	
Total BTEX	<0.300	0.300	07/08/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIC	99.89	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16,0	07/07/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10,0	07/09/2016	ND	184	91.9	200	4.98	
DRO >C10-C28	<10.0	10.0	07/09/2016	ND	201	101	200	7.47	
Surrogate: 1-Chlorooctane	70.4 9	6 35-147				188	133		
Surrogate: 1-Chlorooctadecane	74.19	6 28-171							

Cardinal Laboratories

*=Accredited Analyte

PLEASE HOTE: Liabday and Damages. Cardinal's Sability and client's exclusive remedy for any cliam arrang, whether based in contract or tork, shall be limited to the amount past by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed varied unless made in writing and incomed by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be Bable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by clerit, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hierounder by Cardinal, regardless of whether such clerin 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.





COG Operating, LLC **LUPE CARRASCO** 500 W. ILLINOIS Midland TX, 79701 Fax To:

Received:

07/06/2016

Sampling Date:

06/30/2016

Reported:

Sampling Type:

Project Name:

07/13/2016

Sampling Condition:

Soil Cool & Intact

Project Number:

BURCH KEELY 18A TANK BATTERY NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: S4-SURFACE (H601515-04)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2016	ND	1.99	99.5	2.00	0.129	
Toluene*	<0.050	0.050	07/08/2016	ND	2.04	102	2.00	0.862	
Ethylbenzene*	<0.050	0.050	07/08/2016	ND	1.96	98.2	2.00	0.914	
Total Xylenes*	<0.150	0.150	07/08/2016	ND	5.93	98.8	6.00	0.0424	
Total BTEX	<0.300	0.300	07/08/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIE	99.3	% 73 6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/07/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/09/2016	ND	184	91.9	200	4.98	
DRO >C10-C28	<10.0	10.0	07/09/2016	ND	201	101	200	7.47	
Surrogate 1-Chlorooctane	80.9	% 35-147					000 T.1		
Surrogate: 1-Chlorooctadecane									

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTTE: Liability and Damages. Cardenal's Bability and client's exclusive remedy five any claim arrang, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for nepligence and any other clause whistonews shall be deemed waved unless made in writing and received by Cardinal within thirty (30) clays after completion of the applicable service. In no event shall Cardinal be Bable for incidental damages, including, without limitations, business interruptions, loss of use, or loss of profits incurred by cleint, its aubsidances, affiliated 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 laboratomes.

Colory Therma



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

Insufficient time to reach temperature.

Chloride by SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Clay I Kane



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476	(575) 393-2476				
company Name: COG Operating LLC		BILL TO	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ANALTSIS REQUEST
roject Manager: Lupe Carrasco		P.O. #:			
Address: 2208 West Main		Company: COG Operating LLC	ting LLC		
쿲니	State: NM Zip 88210	Attn: Robert McNeill	Veii		
e#: (575) 748-6940	Fax #:	Address: 600 W Itinois	linois		
	Project Owner:	City: Midland			
Project Name: Burch Keely 18A Tank Battery	attery	State: TX Zip: 79701			
	11110745	Phone #: (432) 221-0388			
Sampler Name: Lupe Carrasco		Fax #:			
\neg	MATRIX	PRESERV. SAMPLING	NG		
Lab I.D. Sample I.D.	G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ACE / COOL OTHER:	ETEX	TPH	Chloride
- (S1-SURFACE			×	×	×
−2 S2-SURFACE	×	6/30/16	×	×	***************************************
	×	6/30/16	×	×	×
-C S4-SURFACE	×	6/30/16	×	×	×
			×	×	
Relinquished By: Time: Time:	I make the second tended by the completion of the tended to the amount tood by the clear too the tended to the amount tood by the clear too the tended to the amount tood by the clear too the tended the tended tended to the tended tended tended tended to the tended ten	and in contribut or but, shall be limited to this immunit plack doe as writing and received by Contribut when 30 days after an emeritation, loss of case of specialist scarned by 0 get puch claim a bessed upon any of the alterna stated by 0 gets puch claim as bessed upon any of the alterna stated by 0 gets puch claim.	by the chart for the complete of the applicable for	SED Y	ss D No Add'l Phone #: Sco(Q)Concho.com
Relinquished By:	Receive By:	abrera	ig .	ho,con	
	Time:				

Sampler - UPS - Bus - Other: FORM-005 R 2.0

2.6h

Sample Condition Cool Intact Days 14 Yes

CHECKED BY:

Delivered By: (Circle One)



July 13, 2016

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

RE: BURCH KEELY 18A TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/06/16 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab-accred-certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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



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

Received:

07/06/2016

Sampling Date:

06/30/2016

Reported:

Sampling Type:

Soil

Project Name:

07/13/2016 **BURCH KEELY 18A TANK BATTERY**

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: S1-SURFACE (H601515-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2016	ND	1.99	99.5	2.00	0.129	
Toluene*	<0.050	0.050	07/08/2016	ND	2.04	102	2.00	0.862	
Ethylbenzene*	<0.050	0.050	07/08/2016	ND	1.96	98.2	2.00	0.914	
Total Xylenes*	<0.150	0.150	07/08/2016	ND	5.93	98.8	6.00	0.0424	
Total BTEX	<0.300	0.300	07/08/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIE	101 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/07/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/09/2016	ND	184	91.9	200	4.98	
DRO >C10-C28	16.3	10.0	07/09/2016	ND	201	101	200	7.47	
Surrogate: 1-Chlorooctane	81.9	% 35-147	•						
Surrogate 1-Chlorooctadecane	85.1	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's Bability and chant's exclusive remety for any claim ansing, whether based in contract or tort, shall be firmed to the amount paid by claim for analyses. All claims, including those for negligence and any other clause whatsoever shall be deemed waved unless made in writing and received by Cardinal within therty (30) days after completion of the applicable service. In no event shall Cardinal be Bable for incisental or consequential damages, including, without firmitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidianes, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims 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.

Celley Hanne



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

Received:

07/06/2016

Sampling Date:

06/30/2016

Reported:

Sampling Type:

Project Name:

07/13/2016

Sampling Condition:

Soil

Project Number:

BURCH KEELY 18A TANK BATTERY

Sample Received By:

Cool & Intact Jodi Henson

Project Location:

NONE GIVEN NONE GIVEN

Sample ID: S2-SURFACE (H601515-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2016	ND	1.99	99.5	2.00	0.129	
Toluene*	<0.050	0.050	07/08/2016	ND	2.04	102	2,00	0.862	
Ethylbenzene*	<0.050	0.050	07/08/2016	ND	1.96	98.2	2.00	0.914	
Total Xylenes*	<0.150	0.150	07/08/2016	ND	5.93	98.8	6.00	0.0424	
Total BTEX	<0.300	0.300	07/08/2016	ND					
Surrogate: 4-Bromoftuorobenzene (PIE	100 9	73.6-14	0			99 — —			
Chloride, 5M4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/07/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/09/2016	ND	184	91.9	200	4.98	
DRO >C10-C28	<10.0	10.0	07/09/2016	ND	201	101	200	7.47	
Surrogate 1-Chlorooctane	71.5	35-147	143						
Surrogate: 1-Chlorooctadecane	75.2 5	% 28-171							

Analysis Rev MC

Cardinal Laboratories

*=Accredited Analyte

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Colony Kinne



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

Received:

07/06/2016

Sampling Date:

06/30/2016

Reported:

07/13/2016

Sampling Type:

Soil

Project Name:

BURCH KEELY 18A TANK BATTERY

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sample ID: S3-SURFACE (H601515-03)

BTEX 80218	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2016	ND	1.99	99.5	2.00	0.129	
Toluene*	<0.050	0.050	07/08/2016	ND	2.04	102	2.00	0.862	
Ethylbenzene*	<0.050	0.050	07/08/2016	ND	1.96	98.2	2.00	0.914	
Total Xylenes*	<0.150	0.150	07/08/2016	ND	5.93	98.8	6.00	0.0424	
Total BTEX	<0.300	0.300	07/08/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIE	99.8	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/07/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/09/2016	ND	184	91.9	200	4.98	
DRO >C10-C28	<10.0	10.0	07/09/2016	ND	201	101	200	7.47	
Surrogate: 1-Chlorooctane	70.4	% 35-147		200					
Surrogate: 1-Chlorooctadecane	74.1	28-171							

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Celany & Kanna -



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

Received:

07/06/2016

Sampling Date:

06/30/2016

Reported:

Sampling Type:

Soil

Project Name:

07/13/2016

Sampling Condition:

Cool & Intact

Project Number:

BURCH KEELY 18A TANK BATTERY NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: S4-SURFACE (H601515-04)

8TEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2016	ND	1.99	99.5	2.00	0.129	
Toluene*	<0.050	0.050	07/08/2016	ND	2.04	102	2,00	0.862	
Ethylbenzene*	<0.050	0.050	07/08/2016	ND	1.96	98.2	2.00	0.914	
Total Xylenes*	<0.150	0.150	07/08/2016	ND	5.93	98.8	6.00	0.0424	
Total BTEX	<0.300	0.300	07/08/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.3	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/07/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/09/2016	ND	184	91.9	200	4.98	
DRO >C10-C28	<10.0	10.0	07/09/2016	ND	201	101	200	7.47	
Surrogate 1-Chlorooctane	80.95	% 35-147						_	
Surrogate: 1-Chlorooctadecane	87.45	6 28-171							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTHS: Likhling and Damages. Cardinal's labeling and clears exclusive remedy for any cleam aroung, whether based in contract or bord, shall be itemed to the amount paid by clear for analyses. All cleams, including those for negligence and any other cause whatsoever shall be deemed weeked unless made in writing and received by Cordinal within butty (30) days after completion of the applicable service. In no event shall Curdinal be Bable for incidental or consequential damages, including, without limitation, bushves interruptions, loss of use, or loss of groffic incurred by clerks, fit subsediance, self-later or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such dawn 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.

Colay & Kenne



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

PLEASE NOTE: Liability and Damages. Cardenal's liability and cleam's exclusive remedy for any cleam arrang, whether based in contract or tort, shall be limited to the amount paid by clean for analyses. All cleams, including those for negligence and any other cause whistoever shall be deemed waved unless make in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In ne event shall Cardenal be liable for incidental or consequential damages, exclusive ministration, business interruptions, fors of use, or fors of profits incurred by cleant, its subsidiants, affiliates or auccessors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim it based upon any of the above stated reasons or otherwise. Results risks only to the samples identified above. The report shall not be reproduced except in full with writion approval of Cardinal Laboratoress.

Colleg & Kanne -



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476	3-2476						
company Name: COG Operating LLC		BILL TO	70	330			ANALYSIS REQUEST
		P.O. #:			—		
uddress: 2208 West Main		Company: CO	COG Operating LLC	40			
골네	1 Zip 88210	Attn: Ro	Robert McNeill	1			
		Address:	600 W Illinois			_	
	vner:	City:	Midland	1		_	
Project Name: Burch Keely 18A Tank Battery		State: TX Zij	Zip: 79701		_		
Project Location:		Phone #: (432) 221-0388	21-0388				
Sampler Name: Lube Carrasco		Fax #:	1000				
	MATRIX	PRESERV	SAMPLING	(1)			
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	DATE TIME	IBTEX	 		
- (S1-SURFACE		6	6/30/16	×	×	9	
-D S2-SURFACE	×	6	6/30/16	×	×	1	
- 3 S3-SURFACE	×	6	6/30/16	×	1	F	
-4 S4-SURFACE	×	0	6/30/16	×	1		
				×	×	×	
				1 1			
F_EASE NOTE: Labely and Damages. Cardenal's belong and clear's succlasses remady for any clean arrang whether benead or contenct or test, while behavior to the second paid by the clear for the few analyses. All cleares reducing those for repligence and any other cause evidence or the best desired water of the second by Cardenal within 30 days wher completion of the applicable second. In the west shall be desired by the clear and any other cause evidence or the second values made in writing and received by Cardenal within 30 days where completion of the applicable second. In the west shall be desired by the clear and of probability that is a devidence.	uchabes remain) for any claim arising whether beased in content or tort, shall be breased to the second pad by the claims of the second pad by the claims as whethereous shall be destroid watch these made in enting and received by Covimal within 10 days after completion of the earth of the pad of the claims of	pact or lart, shall be breazed to the pand received by Continual within the set use, or loss of profits to	amount paid by the chart for the thought on the		*		
Relinquished By: Defp Time: 2	Received	in Capacia		Result: IKS:	O Ye O Ye Ocarrasi	Yes C	is I No Add'l Phone #: is I No Add'l Fax #: co/groncho.com
Relinquished By:	Received By:						

Sample Condition Cool Intact Dayles 11 Yes

CHECKED BY:

Relinquished By:

Time:

Sampler - UPS - Bus - Other: FORM-006 R 2.0 Delivered By: (Circle One) District 1
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

Revised August 8, 2011
Submit 1 Copy to appropriate District Office in

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141

Release Notification and Corrective Action

			Keie	ase Mounic	auui	i and Cu	rrective A	CHOI	ı			
						OPERA	ΓOR			l Report		Final Report
Name of Co	mpany: C	OG Operatin	ıg LLC			Contact: Rol	bert McNeill					•
Address: 60				d TX 79701		Telephone N	No. 432-683-74	43				
Facility Nan	ne: BURC	H KEELY L	JNIT 18A	Battery		Facility Typ						
2 6 0		•		150 16								
Surface Own	ner: Fed	eral		Mineral O	wner:	Federal			API No.	NA		
						N OF REI	EASE					
Unit Letter E	Section 18	Township 17S	Range 30E	Feet from the	North	/South Line	Feet from the	East/\	West Line		Count Eddy	
			-	Latitude 32.8	836628	Longitude	-104.0164337					
				NAT	URE	OF RELI	EASE					
Type of Relea						Volume of			Volume R			
Oil and Produ							; 40 bbls PW			l ; 35 bbls P		
Source of Rel	ease:						our of Occurrence	e;		Hour of Disc	covery:	
Seperator Was Immedia	te Notice C	Siven?				5/26/2016 u			5/26/2016	7:00 am		
Was minicula	ite Monee C		Yes [No Not Re	auired	Mike Brate	her – NMOCD / :	Shelly 1	Fucker = BI	М		
By Whom?	Amanda T				1							
Was a Watero							our: 5/26/2016 6: lume Impacting the		2001100			
was a water	.ourse reac		Yes 🗵	No		11 123, 40	tune impacting t	ne wat	acourse.			
If a Watercou	rse was Im	pacted, Descri	be Fully.*	ı		-l						
	•		-									
Describe Cau	Describe Cause of Problem and Remedial Action Taken.*											
This release u	vas caused l	hv a gasket fai	ilure on a	separator. Vacuum	tnicks	word dispotel	had to recover all	etandin	a fluid and	Microblozo	was an	nlied to the
impacted past	ure area. Ti	ne equipment	was also r	ressure washed.	i ii ucka	were dispate	ned to recover an	Stationi	g nutu ana	Wilciobiaze	was ар	price to the
•												
D 11 4	A CC . 1	1.01										
Describe Area	1 Affected a	ind Cleanup A	ction Tak	en. *								
The majority	of this relea	ise was contai	ned within	the lined bermed	area: h	owever a com	v of fluid impact	ed the n	asture area	Concho wil	II have	the spill site
sampled to de	lineate any	possible cont	amination	from the release a	nd we	will present a	remediation work	olan to	the NMOC	D for appro	oval pri	or to any
significant rer	nediation w	ork.						· Promit co		o ioi appii	, p	
				is true and comple								
nublic health	or the envir	are required to	report an	d/or file certain re e of a C-141 repor	ease πα	NMOCD me	o periorm correct	iive acti	ons for rele	ases which i	may en	danger
should their o	nerations h	ave failed to a	dequately	investigate and re	mediate	e contaminatio	n that nose a thre	at to or	ound water	sve me oper surface wat	ator ot ter hur	nan health
or the environ	ment. In a	ddition, NMO	CD accept	tance of a C-141 n	eport de	oes not relieve	the operator of r	esponsi	bility for co	mpliance w	ith anv	other
federal, state,	or local lav	vs and/or regu	lations.				*	•	•			
	1	me T.	Durin				OIL CONS	SERV	ATION	DIVISIO	N	
Signature:	CZ-1777-0	***************************************									_	
		·										,
Printed Name	:	Amanda Tr	ujillo Dav	is		Approved by	Environmental Sp	ecialist	•			
Tister	-			1'								
Title:	Se	nior Environn	nental Co	ordinator	- 1	Approval Date	31	[Expiration E	Pate:		
E-mail Addres	ss:	atrujillo@	concho.co	m	(Conditions of	Approval:			Attached		
Date: June 3,	2016		Phone:	575-748-6940							_	

^{*} Attach Additional Sheets If Necessary