

May 7, 2015

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

Re: SRO State Unit #46H

30-015-41866 Sec. 5, T26S-R28E Eddy County, NM

Mr. Mike Bratcher,

COG Operating LLC would like to submit for your consideration the enclosed work plan for the above captioned well. The plan is in response to the C-141 Initial report dated May 7, 2015.

Background

The release was caused by a damaged flow line that was run over by heavy equipment. The release originated on state land impacting the lease road and the adjacent pasture which is fee surface. The release path ranged from approximately 2-50' in width by 75 yards in length. The attached Site Diagram depicts the approximate area impacted by the release and approximate location of the points sampled.

Groundwater

Based on the New Mexico Office of the State Engineer Website, the release area would be classified at a site ranking of Zero with depth to groundwater at greater than 100' (Section 2&5, T26S-R28E).

Soil Assessment and Analytical Results

Sample points noted on the attached Site Diagram are labeled with an S to denote samples taken within the release area.

Sample results for TPH and BTEX were tested at the 1' depth for all sample points and proved to be non-detect based on the attached Analytical Results. Chloride results proved to be elevated to a depth of 2' for all sample points with the exception of S3 which proved to be non-detect at a 1' depth. Analytical Results and a Site Diagram with a Sample Summary Table have been attached for your consideration.

Work Plan

COG Operating LLC proposes the following excavation based on delineation samples taken within the impacted area:

S1- Excavate to a depth of 2.5' and backfill with like material.

S2- Excavate to a depth of 2.5' and backfill with like material.

S3- Scrape to a depth of 4-6" to remove surface staining

S4- Excavate to a depth of 2.5' and backfill with like material.

S1	Cl-
1'	18600
2'	5120
3'	624
S2	Cl-
1'	3040
2'	2160
3'	864
S3	CI-
1'	ND
54	Cl-
1'	6400
2'	1840
3'	32

If there are no objections or further stipulations, COG Operating LLC would like to begin the remediation process based on approval of this work plan. Please feel free to contact me with any questions or concerns at (575) 748-6933.

Sincerely,

Lupe Carrasco

Environmental Coordinator

Enclosure(s): Site Diagram

Analytical Results C-141 Initial (Copy)





May 03, 2015

LUPE CARRASCO

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: SRO STATE UNIT #46 H

Enclosed are the results of analyses for samples received by the laboratory on 04/24/15 8:00.

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/ga/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.

Celeg D. Keene

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 LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

04/24/2015

Sampling Date:

04/22/2015

Reported:

05/03/2015

Sampling Type:

Soil

Project Name:

SRO STATE UNIT #46 H

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN

Sample Received By:

Jodi Henson

Sample ID: S1 - 1' (H501066-01)

BTEX 8021B	mg,	/kg	Analyze	ed By: ms			-		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/27/2015	ND	2.19	110	2.00	1.10	
Toluene*	< 0.050	0.050	04/27/2015	ND	1.97	98.7	2.00	0.692	
Ethylbenzene*	<0.050	0.050	04/27/2015	ND	1.87	93.5	2.00	0.124	
Total Xylenes*	<0.150	0.150	04/27/2015	ND	6.03	101	6.00	0.310	
Total BTEX	<0.300	0.300	04/27/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	113 9	% 61-154	1						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18600	16.0	04/27/2015	ND	432	108	400	3.77	
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	04/24/2015	ND	213	107	200	0.243	
DRO >C10-C28	<10.0	10.0	04/24/2015	ND	225	112	200	1.65	
Surrogate: 1-Chlorooctane	96.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	90.9	52.1-170	6						

Sample ID: S1 - 2' (H501066-02)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP		El			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	04/29/2015	ND	400	100	400	3.92	

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 whistoever shall be deemed waived unless made in withing 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, whithout limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiances, 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 Liaboratories.

Celleg L. Keens



COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

04/24/2015

Reported:

05/03/2015

Project Name:

SRO STATE UNIT #46 H

Project Number: Project Location:

NONE GIVEN

mg/kg

NONE GIVEN

Sampling Date:

04/22/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S1 - 3' (H501066-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	05/03/2015	ND	432	108	400	0.00	

Analyzed By: ms

Sample ID: S2 - 1' (H501066-08)

BTEX 8021B

			•						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/27/2015	ND	2.19	110	2.00	1.10	
Toluene*	<0.050	0.050	04/27/2015	ND	1.97	98.7	2.00	0.692	
Ethylbenzene*	<0.050	0.050	04/27/2015	ND	1.87	93.5	2.00	0.124	
Total Xylenes*	<0.150	0.150	04/27/2015	ND	6.03	101	6.00	0.310	
Total BTEX	<0.300	0,300	04/27/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	116 9	6 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	04/27/2015	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Surrogate: 1-Chlorooctane

GRO C6-C10

DRO >C10-C28

99.6 % 93.8 %

<10.0

<10.0

47.2-157

04/24/2015

04/24/2015

Surrogate: 1-Chlorooctadecane

52.1-176

10.0

10.0

Cardinal Laboratories

*=Accredited Analyte

0.243

1.65

PLEASE NOTE: Usability 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 whistoever 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.

ND

ND

213

225

107

112

200

200

Celeg Litteens -



COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: Reported: 04/24/2015

05/03/2015

SRO STATE UNIT #46 H

Project Name: Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

04/22/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact Jodi Henson

Sample Received By:

Sample ID: S2 - 2' (H501066-09)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result Re

Reporting Limit Analyzed

Method Blank

BS

% Recovery True Value QC

e QC RPD

3.92

0.00

Oualifier

Chloride

2160

864

16.0

16.0

04/29/2015

ND

400

100

400

Qui

Sample ID: S2 - 3' (H501066-10)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

	Analyte	
Chloride		

Result Reporting Limit

Analyzed 05/03/2015

ND

Method Blank

BS 432

108

% Recovery

True Value QC 400 RPD Qualifier

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardina'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 whistoever shall be deemed waived unless made in writing and received by Cardinal within thiny (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 periodical program 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 Liaboratories.

Celego Keens



COG OPERATING **LUPE CARRASCO** P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

04/24/2015

Sampling Date:

04/22/2015

Reported:

05/03/2015

Sampling Type:

Soil

Project Name:

SRO STATE UNIT #46 H

Sampling Condition: Sample Received By:

Cool & Intact Jodi Henson

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sample ID: S3 - 1' (H501066-15)

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	04/27/2015	ND	2.19	110	2.00	1.10	
Toluene*	<0.050	0.050	04/27/2015	ND	1.97	98.7	2.00	0.692	
Ethylbenzene*	<0.050	0.050	04/27/2015	ND	1.87	93.5	2.00	0.124	
Total Xylenes*	<0.150	0.150	04/27/2015	ND	6.03	101	6.00	0.310	
Total BTEX	<0.300	0.300	04/27/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIC	1189	6 61-154		11/2-2					
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/27/2015	ND	432	108	400	3.77	
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	04/24/2015	ND	213	107	200	0.243	
DRO >C10-C28	<10.0	10.0	04/24/2015	ND	225	112	200	1.65	
Surrogate: 1-Chlorooctane	97.9 9	6 47.2-157	,						
Surrogate: 1-Chlorooctadecane	92.99	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 walved 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.

Celegy theeno-



COG OPERATING **LUPE CARRASCO** P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

04/24/2015

05/03/2015

Reported: Project Name:

Project Number:

SRO STATE UNIT #46 H NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Soil

Cool & Intact

Jodi Henson

04/22/2015

Sample ID: S4 - 1' (H501066-22)

BTEX 8021B	mg/	kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/27/2015	ND	2.19	110	2.00	1.10	
Toluene*	<0.050	0.050	04/27/2015	ND	1.97	98.7	2.00	0.692	
Ethylbenzene*	<0.050	0.050	04/27/2015	ND	1.87	93.5	2.00	0.124	
Total Xylenes*	<0.150	0.150	04/27/2015	ND	6.03	101	6.00	0.310	
Total BTEX	<0.300	0.300	04/27/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118%	61-154							
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	04/27/2015	ND	432	108	400	3.77	
TPH 8015M	mg/i	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	04/24/2015	ND	213	107	200	0.243	
DRO >C10-C28	<10.0	10.0	04/24/2015	ND	225	112	200	1.65	
Surrogate 1-Chlorooctane	97.8 %	47.2-15	7						
Surrogate: 1-Chlorooctadecane	91.4%	52.1-176	5						

Sample ID: S4 - 2' (H501066-23)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	04/29/2015	ND	400	100	400	3.92	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Uability 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 walved unless made in writing and received by Cardinal within thirry (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.

Celeg Titreens -



COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

04/24/2015

Sampling Date:

04/22/2015

Reported:

05/03/2015

Sampling Type:

Soil

Project Name:

SRO STATE UNIT #46 H

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN

Sample Received By:

Jodi Henson

Sample ID: S4 - 3' (H501066-24)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/03/2015	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Uability 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 pervices 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.

Celeg L. Keens -



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: Uability and Damages. Cardinal's klability 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 whistoevers 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, white 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.

Celeg Likerno



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

Company Name: COG Operating LLC		BILL TO	ANALYSIS REQUEST
Project Manager: Lupe Carrasco	ар оторог от так адаге (Алауера, устрана на брай от Орай Оттара — Дубунуй — претителен калана	P.O. #:	_
Address: 2208 West Main		Company: COG Operating LLC	
City: Artesia State: NM	Zip 88210		
Phone #: (575) 748-6940 Fax #:		Address: 600 W Illinois	
Project #: Project Owner:	7	City: Midland	
Project Name: SRO State Unit #46H		: TX Zip	
Project Location:		Phone #: (432) 221-0388	
Sampler Name: Lupe Carrasco		Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	BTEX TPH Chloride
S1-1"			×
2 \$1-2'		4/22/15	Sch Heo X
3 S1-3		4/22/15	XX
4 81-4		4/22/15	×(
S1-6		4/22/15	×
6 S1-8'		4/22/15	×
7 \$1-10"		4/22/15	×
PLEASE NOTE: Labidy and Dannages. Cardinat's liabidy and clearfs exclusive remedy for any clean arrang whether based in contract or lort, shall be limited to the smount paid by the clean for the	ny claim arising whether based in contract	or lort, shall be israded to the amount paid by the client lort	In a second seco

analyses. All claims including those for negligence and any other cause whatboover shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the applicable serves. In no event shall Cardinal be label for including shall distinges, including without furnishes, business interruptions, loss of use, or loss of profits pround by clerk, its subsidiaries of successions within oil of or related to the Wardenmann of sendors in including without furnishes, business interruptions, loss of use, or loss of profits pround by clerk, its subsidiaries.

Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 2 0	Relinquished By:	Relinquished By:
Sample Condition CHECKED BY. Cool Intact (hitlan) U. 42 U. 42 U. 40 U. 40	Time: Received By:	
below 1000pm.	Fax Result: Q Yes Q No Addil Phone #: Fax Result: Q Yes Q No Addil Fax #: REMARKS: gcarrasco(@concho.com atrujillo@concho.com; gmerket@concho.com Lun Chor. da Samples until results tall	



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

ŀ	The state of the s				
Project Manager: Time Carrasco		BILL 10	de son de la constante de la c	ANALYSIS REQ	REQUEST
≶		Company: COG Operation 110	dian 1		
City: Artesia	State: NM Zip 88210		Ne se		
Phone #: (575) 748-6940	Fax #:	Address: 600 W Illinois	inois		
Project #:	Project Owner:	City: Midland			
Project Name: SRO State Unit #46H		State: TX Zip: 79701			
Project Location:		Phone #: (432) 221-0388			
Sampler Name: Lupe Carrasco		Fax #:		MATERIAL STATE OF THE STATE OF	
	MATRIX	PRESERV SAMPLING	NG		
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	TINE BTEX TPH	Chloride	
8 82-1			×	×	
Q S2-2'		4/22/15		& adoled 4/28	
ND S2-3'		4/22/15		3 add 4/30	
1 52-4		4/22/15		×	The state of the s
2 52-6		4/22/15		×	
3 S2-8		4/22/15		×	
14 S2-10'		4/22/15		×	
PLEASE NOTE: Liability and Demages. Cardinal's liability and cite analyses. All cleams including those for negligence and any other or	PLEASE NOTE: Lushiny and Damages. Cardinal's liability and client's exclusive remedy for any cliam arising whether based in contract or bot, shall be lamiled to the amount paid by the client for the analyses. All cliams including those for negligence and any other cause whatsoever shall be dearned waved unless made in writing and received by Cardinal within 30 days after completion of the applicable.	r bort, shall be terrified to the amount paid trecewed by Cardinal within 30 days after o	by the client for the supplicable		
sorvice. In no event shall Cardinal be liable for incidental or conse- affiliates or successors entering out of or related to the performance	service. In no event shall Cardinal be liable for incidental or consequental diamages, including without firstation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors writing out of or related by the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	as of use, or loss of profits incurred by clie based upon any of the above stated reas	·		
Relinquished By:	Date: Received By: 41/41/5 Received By: 14/15 Received By: 14/15 Received By: 14/16 Received By: 15/16 Recei		Phone Result: Fax Result: Fax Result: Fax Result: Grantasc REMARKS: Grantasc gcarrasc atrujillo@concho.com	Phone Result:	
4	Time:		2	samples until	results fall
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Infact Gool Infact Fres Erves	ion CHECKED BY:	below 1000pm	17.5	
	+ Control	4			

かる井



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

Company Name: COG Operating LLC		BILL TO		ANALYSIS REQU	REQUEST
Project Manager: Lupe Carrasco		P.O. #:		_	
Address: 2208 West Main		Company: COG Operating LLC	ating LLC		
City: Artesia State: NM	Zip 88210		Neil		
Phone #: (575) 748-6940 Fax #:		Address: 600 W Illinois	llinois		
Project #: Project Owner:	mer.	City: Midland	<u>a</u>		
Project Name: SRO State Unit #46H		State: TX Zip: 79701	01		
Project Location:		(43)			
Sampler Name: Lupe Carrasco		Fax #:			
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	ING		
Lab I.D. Sample I.D.	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE	OTHER: CE/COOL OTHER:	BTEX	TPH Chloride	
15 \$3-1"		4	×	-	
l6 S3-2'		4/22/15	-	X	
17 \$3-3		4/22/15			
15 S3-4'		4/22/15		×-	
19 S3-6'		4/22/15		×	
20 S3-8'		4/22/15		*	and the second
2 \$3-10'		4/22/15			
PLEASE NOTE: Liability and Damages. Cuedaval's liability and client's exclusive remedy for any claem arising whether based in contract or lost, shall be limited to the annual paid by the client for the analyses. All claims including those for negligence and any other cause whitscoper shall be deemed waved unless made in writing and received by Caerinal within 30 days after completion of the applicable service. In no event shall Cardinal be labely for incidental or consequential distinger, including without limitation, business inferruptions, loss of use, or loss of profess incurred by client, its substitutions, stiffed or successful arranger, in the professional profession	to any claim arising whether based in contract to any claim arising whether based in contract the deemed warved unless made in writing an unique without irrelation, business interruptions,	t or fort, shall be limited to the amount paid of received by Cavidnal within 3D days after loss of use, or loss of profits incurred by cl	by the client for the completion of the applicable lent, its subsidemen,		
hed By:	Date: Received By: Received By: Received By:	NAON	Phone Result: Fax Result: REMARKS: GCarra atrujillo@concho.c	Phone Result:	results fell
Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 2 0	Sample Condition Cool Intact Lives Lives	ition CHECKED BY:	50/0w /c	1000 pm	



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

Company Name:	COG Operating LLC			######################################	BILL 770	27302 10102	, .			ANALYSIS REQUEST
Project Manager:	Lupe Carrasco			P.O. #:						
Address: 2208 \	2208 West Main			Company:	COG Operating LLC	ng LLC				NATIONAL PROPERTY OF THE PROPE
City: Artesia	State: NM	Z	Zip 88210	Attn:	Robert McNeil	<u>=</u>				
Phone #:	(575) 748-6940 Fax #:			Address:	600 W Illinois	SIOS				
Project #:	Project Owner:	er:		City:	Midland					
Project Name: SI	SRO State Unit #46H			State: TX	Zip: 79701					
Project Location:				Phone #:	Phone #: (432) 221-0388					
Sampler Name:	Lupe Carrasco			Fax #:			-			
		-		-	1		-			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	OTHER: SAMPLING	TIME	втех	ТРН	Chloride	
22 8	4-1	_			4/22/15		×	×	×	
200	4-2'				4/22/15				<u>×</u>	oddied 4/128
\$ 12 e	4-3'				4/22/15				Ξ	and Wish
25 S	4-4'		errors and marks and make a state.		4/22/15				×(
36 8	4-6'				4/22/15				×	
27 5	4-8'				4/22/15				×	
\$ 8 €	4-10'				4/22/15				×	
PLEASE NOTE: Liability and D analyses. All claims including the	PLEASE NOTE: Liability and Damages. Candina's liability and client's exclusive remody for any claim arging whether based in contract or fort, 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 unless made in writing and received by Cardinal within 30 days after completion of the applicable	any claim an	sing whether based in co	ontract or tort, shall be limit	ed to the amount paid by	mpletion of the	e applicable			
carriers in an execut shall Carrier		and the second livery	etation, business interrup	service. In no event shall Cerdinal be leable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries	f profits incurred by client	ts subsidiaries	6			

Relinguished By: Relinquis/ed By: Sampler - UPS - Bus - Other: FORM-006 R 2.0 Delivered By: (Circle One) Date: Time: hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise Redelived By: Received By: Cool Intact
Li Yes La Yes
Li No I I No Sample Condition CHECKED BY: REMARKS: Phone Result:

atrujillo@concho.com; gmerket@concho.com olan chloride samples below 1000ppm Add'I Phone #: until results fall

<u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District 11</u> 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

Form C-141

Revised August 8, 2011

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

Release Notification and Corrective Action

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

						OPERA	ΓOR			al Report		Final Repor
	Name of Company: COG Operating LLC Contact: Robert McNeill Address: 600 West Wineig Average Miller LTV 70701											
	Address: 600 West Illinois Avenue, Midland TX 79701 Telephone No. 432-230-0077 Facility Name: SRO State Unit #46H Facility Type: Well											
Facility Na	me: SRO S	State Unit #4	5H			Facility Typ	e: Well_				_	
Surface Ov	ner: State			Mineral Own	ner:	State			API No	o. 30 - 015-4	1866	
				LOCAT	IOI	N OF REI	LEASE					· · · · · · · · · · · · · · · · · · ·
Unit Letter	Section	Township	Range	Feet from the N		/South Line	Feet from the	East/V	Vest Line		Coun	ty
D	5	26S	28E	190'		North	550`	V	Vest		Eddy	
			Latit	ude 32.078409673	3186	2 Longitud	e -104.1162487	10771				
				NATUI	RE	OF RELI	EASE					
Type of Rele						Volume of	Release:			Recovered:		
Produced Wa Source of Re						100 bbls			70 bbls			
Poly Flowlin						4/16/2015	our of Occurrence	e;		Hour of Dis 5 12:00 am	covery:	
Was Immedi				<u> </u>		If YES, To	Whom?		1/10/201.	7 12.00 um	_	
		\boxtimes	Yes	No Not Requir	red		her - NMOCD					
By Whom?							our: 4/17/2015 2:					
Was a Water	course Reac		Yes 🛛	Na		If YES, Vo	lume Impacting th	he Water	rcourse.			
				NO								
II a watercot	irse was im	oacted, Descri	be Fully.*									
		m and Remed				nent ran over	the line. Vacuum		uono diano			
This release was caused when a flowline was damaged after heavy equipment ran over the line. Vacuum trucks were dispatched to recover all standing fluid and dispose of at an NMOCD approved facility. Describe Area Affected and Cleanup Action Taken.*												
Describe Are	a Affected a	and Cleanup A	ction Take	n.*								
The affected release and w	area was the e will prese	pasture to the	north of the	ne lease road. Conch an to the NMOCD fo	o wi	ill have the sp proval prior to	ill site sampled to o any significant i	delinea remediat	te any pos tion work.	sible contan	ination	n from the
regulations al public health should their o	l operators a or the envir perations ha ment. In ac	are required to conment. The a ve failed to a ddition, NMO	report and acceptance dequately in acceptance	s true and complete to /or file certain releas of a C-141 report by nvestigate and remediance of a C-141 report	se no y the diate	tifications and NMOCD ma contaminatio	d perform correct irked as "Final Re in that pose a thre	ive action port" do at to gro	ons for rele les not reli und water	eases which eve the oper	may en ator of ter. hun	danger liability
Signature:	1	- Tu	ijele	le le			OIL CONS	SERVA	ATION	DIVISIO	N	
Printed Name	: Amanda ´	Γrujillo			A	Approved by E	Environmental Sp	ecialist:				
Title: Senior I	Environmen	tal Coordinate	r		P	Approval Date	:	E	xpiration I	Date:		
E-mail Addre		aconcho.com			_	Conditions of	Approval:			Attached		
Date: May Attach Addit	7, 2015 ional Shee		e: 575-748 ry	-6940								

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 1220 S. St. Francis Dr., Santa Fe, NM 87505

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011

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												
OPERATOR Initial Report Final Rep											Final Repor	
Name of Company: COG Operating LLC Contact: Robert McNeill												
				d TX 79701	Telephone No. 432-230-0077 Facility Type: Well							
Facility Nar	ne: SRU S	tate Unit #4	он]]	racility Typ	e: Well				_	
Surface Ow	ner: State			Mineral C)wner: S	State		A	PI No. 3	30-015-4	1866	
						OF REI			5			
Unit Letter D	Section 5	Township 26S	Range 28E	Feet from the 190'		South Line North	Feet from the 550'	East/West West	- 1		Coun Edd	
			Latin	tude 32.078409	673186	2 Longitud	e -104.1162487	10771				
				NAT	URE	OF RELI	EASE					
Type of Relea				1112	CILL	Volume of		Vol	lume Rec	covered:		
Produced Wa						100 bbls			bbls			
Source of Re Poly Flowline	2					4/16/2015		I .	te and Ho 6/2015 1:	our of Disc 2:00 am	covery	•
Was Immedia	ite Notice G		Yes	No 🗌 Not Re	quired	If YES, To Mike Bratc	Whom? her - NMOCD					
By Whom?	Amanda T					Date and H	our: 4/17/2015 2:	19 pm				
Was a Watero	course Reac		10				lume Impacting tl		rse.			
		Ш	_									
If a Watercou	rse was Imp	pacted, Descr	ibe Fully.*									
D '1 . C	CD II	1.0	11 1 4	m. t								
Describe Cau This release				i Taken.* maged after heav	v eauinn	nent ran over	the line Vacuum	trucks were	dispatch	ed to reco	wer all	standing
fluid and disp	ose of at an	NMOCD app	proved fac	ility.	, equipii	ioni iun o ion	the inte. vacaum	tracks were	dispaten	ed to reco	vei ali	standing
Describe Area	Affected a	nd Cleanup A	Action Tak	en *								
Describe Area Affected and Cleanup Action Taken.*												
The affected area was the pasture to the north of the lease road. 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.												
release and w	e will preser	nt a remediati	on work p	lan to the NMOC	D for ap	proval prior t	o any significant	remediation	work.			
I hereby certif	fy that the ir	nformation gi	ven above	is true and compl	ete to the	e best of my l	nowledge and ur	derstand tha	t pursua	nt to NMO	OCD rı	ules and
regulations al	l operators a	are required to	report an	d/or file certain re e of a C-141 repo	elease no	tifications and	d perform correct	ive actions for	or release	es which i	may en	idanger
should their o	perations ha	ive failed to a	dequately	investigate and re	mediate	contaminatio	n that pose a thre	at to ground	water, si	e the opera	ator of ter hij	man health
or the environ	ment. In ac	ldition, NMO	CD accept	ance of a C-141 r	eport do	es not relieve	the operator of re	esponsibility	for com	pliance w	ith any	other
federal, state,	or local law	s and/or regu	lations.									
	1	- Ze	0	6			OIL CONS	SERVATI	ION D	<u>IVISIO</u>	N	
Signature:	5-6	1	y.e.									
Duinted Mana	. A 1. 7	C ****			A	approved by I	Environmental Sp	ecialist:				
Printed Name	. Amanda	rujiilo	_		-				_			
Title: Senior I	Environmen	tal Coordinat	or		A	approval Date): 	Expira	ation Dat	te:		
E-mail Addres	ss: <u>atrujillo@</u>	@concho.com	1		c	Conditions of	Approval:			Attached		
Date: May	7, 2015	Phor	ne: 575-74	8-6940							_	