



September 22, 2015

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

RECEIVED

By Jamie at 10:16 am, Sep 23, 2015

APPROVED

By Jamie at 10:16 am, Sep 23, 2015

**Re: SL Deep Federal #3
30-025-39441
Sec. 30, T19S-R32E
Lea County, NM**

Stipulation:

1. Confirmation sample at SP1 @ 5 ft to confirm that contaminated material has been removed.

Ms. Kellie Jones,

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 July 14, 2015.

Background

The release was caused by a corroded steel flow line within the bermed area of the separation equipment. The release resulted in 1 barrel of oil and 35 barrels of produced water of which 30 barrels of produced water were recovered. The initial clean up consisted of an excavation of approximately 6" which was hauled to an NMOCD approved disposal facility.

Groundwater

Based on the Chevron Trend Maps, the release area would be classified at a site ranking of **Zero** with depth of groundwater at >500'.

Soil Assessment and Analytical Results

Samples were taken in two areas within the bermed facility and approximate locations are depicted on the attached Site Diagram. S1 was the major pooling area of the release resulting in elevated chloride levels to a depth of 4' with BTEX and TPH resulting as non-detect at a depth of 1'. S2 results indicate chloride levels to be low with BTEX and TPH resulting as non-detect at a depth of 1'. Attached for your consideration is a site diagram, sample summary table, and analytical results.

CORPORATE ADDRESS

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701
PHONE 432.683.7443 | FAX 432.683.7441

LOCAL ADDRESS

Concho West | 2208 Main Street | Artesia, New Mexico 88210
PHONE 575.748.6940 | FAX 575.746.2096

Work Plan

COG Operating LLC proposes that the area labeled as S1 will be excavated to a depth of approximately 5'. No further excavation will be done within the area labeled as S2. Excavation within the impacted area will be handled with respect to the safety and stability of the existing infrastructure and personnel involved during excavation. The area in question is small and excavation poses a potential risk for the long term stability of the towering equipment.

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

Enclosed: Site Diagram and Summary Table
 Laboratory Analysis
 C-141 Initial (copy)

SL Deep Federal #3

June 30, 2015

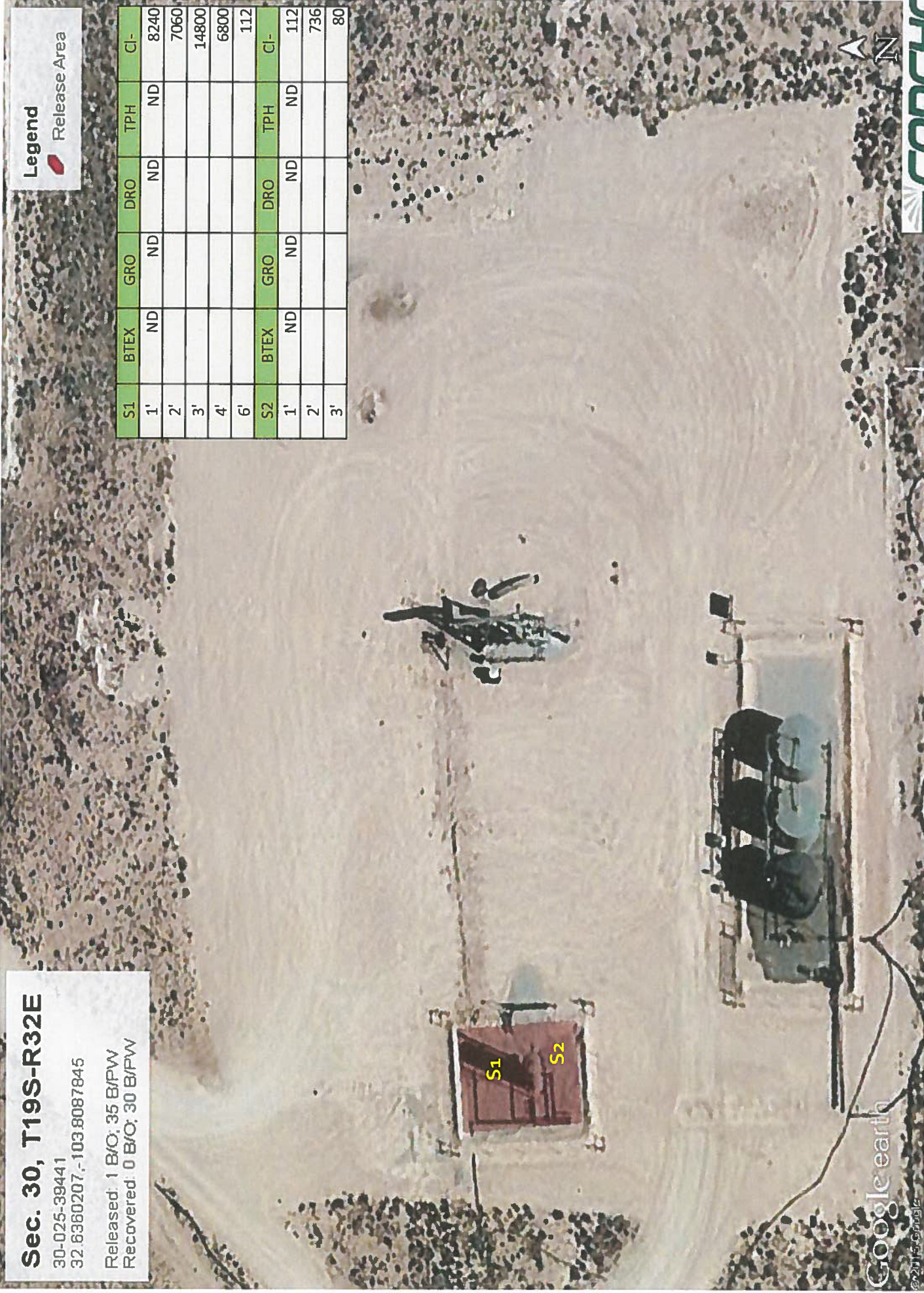
Sec. 30, T19S-R32E

30-025-39441
32.6360207, -103.8087845
Released: 1 B/O; 35 B/PW
Recovered: 0 B/O; 30 B/PW

Legend

Release Area

S1	BTEX	GRO	DRO	TPH	Cl-
1'	ND	ND	ND	ND	8240
2'					7060
3'					14800
4'					6800
6'					112
S2	BTEX	GRO	DRO	TPH	Cl-
1'	ND	ND	ND	ND	112
2'					736
3'					80



Google earth

©2015 Google



July 22, 2015

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

RE: SL DEEP #3

Enclosed are the results of analyses for samples received by the laboratory on 07/15/15 14:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/15/2015
Reported: 07/22/2015
Project Name: SL DEEP #3
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 07/09/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S1-1 (H501811-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2015	ND	1.95	97.6	2.00	1.98	
Toluene*	<0.050	0.050	07/20/2015	ND	1.97	98.6	2.00	2.26	
Ethylbenzene*	<0.050	0.050	07/20/2015	ND	2.08	104	2.00	2.40	
Total Xylenes*	<0.150	0.150	07/20/2015	ND	5.43	90.5	6.00	2.86	
Total BTX	<0.300	0.300	07/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 114 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8240	16.0	07/21/2015	ND	416	104	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	07/17/2015	ND	182	90.8	200	2.44	
DRO >C10-C28	<10.0	10.0	07/17/2015	ND	190	94.8	200	2.41	

Surrogate: 1-Chlorooctane 85.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 89.2 % 52.1-176

Sample ID: S1-2 (H501811-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7060	16.0	07/21/2015	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/15/2015
Reported: 07/22/2015
Project Name: SL DEEP #3
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 07/09/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S1-3 (H501811-03)
Chloride, SM4500CI-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14800	16.0	07/22/2015	ND	416	104	400	0.00	

Sample ID: S2-1 (H501811-04)
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	07/20/2015	ND	1.95	97.6	2.00	1.98	
Toluene*	<0.050	0.050	07/20/2015	ND	1.97	98.6	2.00	2.26	
Ethylbenzene*	<0.050	0.050	07/20/2015	ND	2.08	104	2.00	2.40	
Total Xylenes*	<0.150	0.150	07/20/2015	ND	5.43	90.5	6.00	2.86	
Total BTEX	<0.300	0.300	07/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 117 % 85.6-137

Chloride, SM4500CI-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/21/2015	ND	416	104	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	07/17/2015	ND	182	90.8	200	2.44	
DRO >C10-C28	<10.0	10.0	07/17/2015	ND	190	94.8	200	2.41	

Surrogate: 1-Chlorooctane 78.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.3 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:COG Operating, LLC
LUPE CARRASCO
500 W. ILLINOIS
Midland TX, 79701
Fax To: NoneReceived: 07/15/2015
Reported: 07/22/2015
Project Name: SL DEEP #3
Project Number: NONE GIVEN
Project Location: NOT GIVENSampling Date: 07/09/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia**Sample ID: S2-2 (H501811-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	07/21/2015	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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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, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: COG Operating LLC

Project Manager: Lupe Carrasco

Address: 2208 West Main

City: Artesia

Phone #: (575) 748-6940

Project #:

Project Name: SL Deep #3

Project Location:

Sampler Name: Lupe Carrasco

BILL TO

P.O. #:

Company: COG Operating LLC

Attn: Robert McNeill

Address: 600 W Illinois

City: Midland

State: TX Zip: 79701

Phone #: (432) 221-0388

Fax #:

ANALYSIS REQUEST

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	BTEX	TPH	Chloride										
#501811													7/9/15		X	X	X	Cl- added 7/21									
	S1-1												7/9/15		X	X	X										
	S1-2												7/9/15		X	X	X										
	S1-3												7/9/15		X	X	H										
	S2-1												7/9/15		X	X	X										
	S2-2												7/9/15		X	X	X										
	S2-3												7/9/15				H										

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Relinquished By: *[Signature]* Date: 7/15/15 Received By: *[Signature]*

Relinquished By: *[Signature]* Date: 7/15/15 Received By: *[Signature]*

Delivered By: (Circle One)

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

Sample Condition

Coor Intact
☒ Yes ☐ No

CHECKED BY: *[Signature]*

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: *gcarrasco@concho.com*
atrujillo@concho.com Run chlorides until samples fall below 1000ppm

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

August 24, 2015

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

RE: SL DEEP #3

Enclosed are the results of analyses for samples received by the laboratory on 08/19/15 14:19.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/19/2015
Reported: 08/24/2015
Project Name: SL DEEP #3
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/18/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S1-4' (H502162-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	08/20/2015	ND	432	108	400	7.69	

Sample ID: S1-6' (H502162-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/20/2015	ND	432	108	400	7.69	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Cardinal Laboratories*=**Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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August 24, 2015

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

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Sincerely,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:COG Operating, LLC
LUPE CARRASCO
500 W. ILLINOIS
Midland TX, 79701
Fax To: NoneReceived: 08/19/2015
Reported: 08/24/2015
Project Name: SL DEEP #3
Project Number: NONE GIVEN
Project Location: NOT GIVENSampling Date: 08/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia**Sample ID: S2-3' (H502163-01)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/20/2015	ND	432	108	400	7.69	

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Celey D. Keene, Lab Director/Quality Manager

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Separate Report

Company Name: COG Operating LLC

Project Manager: Lupe Carrasco

Address: 2208 West Main

City: Artesia

Phone #: (575) 748-6940

Project #:

Project Name: SL Deep #3

Project Location:

Sampler Name: Lupe Carrasco

BILL TO

P.O. #:

Company: COG Operating LLC

Attn: Robert McNeill

Address: 600 W Illinois

City: Midland

State: TX Zip: 79701

Phone #: (432) 221-0368

Fax #:

ANALYSIS REQUEST

Lab I.D.

Sample I.D.

HS02143
3.3
S2-3'
S2-4'
S2-6'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE

ICE / COOL

OTHER:

DATE

TIME

8/14/15
8/14/15
8/14/15

BTEX

TPH

Chloride

X
X
X

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Relinquished By:

Date:

Received By:

Time:

Relinquished By:

Date: 8/15/15

Received By:

Delivered By: (Circle One)

Type: 17.19

Sample Condition

Cool Intact

Yes

Checked By:

(Initials)

Sampler - UPS - Bus - Other:

FORM-006 R 2.0

4.48

Yes

No

Yes

No

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: gcairascoc@concho.com
atrujillo@concho.com
FALL BELOW 1000 PPM
PLEASE RUN CHLORIDES UNTIL THEY

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 August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill	
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077	
Facility Name: SL Deep Federal #3	Facility Type: Battery	
Surface Owner: Federal	Mineral Owner:	API No. 30-025-39441

LOCATION OF RELEASE

Unit Letter C	Section 30	Township 19S	Range 32E	Feet from the 990	North/South Line North	Feet from the 1650	East/West Line West	County Lea
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Latitude 32.6360207 Longitude -103.8087845

NATURE OF RELEASE

Type of Release: Oil and Water	Volume of Release: 1 bbl Oil ; 35 bbl PW	Volume Recovered: 0 bbl Oil ; 30 bbl PW
Source of Release: Flowline	Date and Hour of Occurrence: 6/30/2015 8:30 am	Date and Hour of Discovery: 6/30/2015 8:30 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Kellie Jones – NMOCD / Jim Amos – BLM	
By Whom? Amanda Trujillo	Date and Hour: Wed 7/1/2015 5:29 PM	
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 the corrosion of a steel flowline within the battery area. Vacuum trucks were dispatched to recover all standing fluid.		
Describe Area Affected and Cleanup Action Taken.* This release occurred within the bermed area among the separation equipment. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Amanda Trujillo	Approved by Environmental Specialist:	
Title: Senior Environmental Coordinator	Approval Date:	Expiration Date:
E-mail Address: atrujillo@concho.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: July 14, 2015 Phone: 575-748-6940		

* Attach Additional Sheets If Necessary