



July 28, 2015

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

**Re: Western Hawk State Com #1**  
**30-015-33400**  
**Sec. 3, T25S-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 December 5, 2014.

### **Background**

The release was caused by a stuffing box failure at the wellhead resulting in the release of 35 barrels of oil and 5 barrels of produced water of which 33 barrels of oil and 3 barrels of produced water were recovered. The impacted area was scraped to a depth of 2-4" with all impacted material hauled to an NMOCD approved disposal facility.

### **Groundwater**

Based on the information obtained on the NMOSE website (Sec. 4, T25S-R28E), the release area would be classified at a site ranking of Twenty with depth to groundwater at approximately <50'.

### **Soil Assessment and Analytical Results**

Sample points labeled as S1 and S2 on the attached site diagram depict the approximate sample locations within the release area along with a summary of the analytical results. Sample results show TPH and BTEX to be non-detect for both sample points at a depth of 1'. Chloride results show to be elevated for both sample points to a depth of 3'.

## **Work Plan**

COG Operating LLC proposes the excavation of the following sample areas:

**S1** - Excavate to a depth of 3.5' and haul for disposal.

**S2** - Excavate to a depth of 3.5' and haul for disposal.

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) 748-6940.

Sincerely,



Lupe Carrasco  
Environmental Coordinator

Enclosure(s): Site Diagram  
Analytical Results  
C-141 Initial (Copy)

# Western Hawk State Com #1

November 30, 2014

## Section 3, T25S-R28E

Released: 35 B/O; 5 B/PW  
Recovered: 33 B/O; 3 B/PW

S1	CI-
1'	7860
2'	4080
3'	1760
4'	688
S2	CI-
1'	8130
2'	3200
3'	3440
4'	832



Google earth

© 2015 Google





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

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April 30, 2015

LUPE CARRASCO

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: WESTERN HAWK STATE COM #1

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/qa/lab\\_accred\\_certif.html](http://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  
LUPE CARRASCO  
P. O. BOX 1630  
ARTESIA NM, 88210  
Fax To: NONE

Received: 04/24/2015  
Reported: 04/30/2015  
Project Name: WESTERN HAWK STATE COM #1  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/16/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: S1 - 1' (H501068-01)**
**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	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 (PID) 118 % 61-154

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7860	16.0	04/27/2015	ND	432	108	400	3.77	

**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	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 97.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.1 % 52.1-176

**Sample ID: S1 - 2' (H501068-02)**
**Chloride, SM4500Cl-B**
**mg/kg**
**Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	04/27/2015	ND	432	108	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**COG OPERATING  
LUPE CARRASCO  
P. O. BOX 1630  
ARTESIA NM, 88210  
Fax To: NONEReceived: 04/24/2015  
Reported: 04/30/2015  
Project Name: WESTERN HAWK STATE COM #1  
Project Number: NONE GIVEN  
Project Location: NOT GIVENSampling Date: 04/16/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson**Sample ID: S1 - 3' (H501068-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	04/27/2015	ND	432	108	400	3.77	

**Sample ID: S1 - 4' (H501068-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	04/29/2015	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/24/2015  
Reported: 04/30/2015  
Project Name: WESTERN HAWK STATE COM #1  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/16/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: S2 - 1' (H501068-08)**

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	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 (PID) 116 % 61-154

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8130	16.0	04/27/2015	ND	432	108	400	3.77	

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	04/25/2015	ND	213	107	200	0.243	
DRO >C10-C28	<10.0	10.0	04/25/2015	ND	225	112	200	1.65	

Surrogate: 1-Chlorooctane 100 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.0 % 52.1-176

**Sample ID: S2 - 2' (H501068-09)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	04/27/2015	ND	432	108	400	3.77	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	04/24/2015	Sampling Date:	04/16/2015
Reported:	04/30/2015	Sampling Type:	Soil
Project Name:	WESTERN HAWK STATE COM #1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S2 - 3' (H501068-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	04/27/2015	ND	432	108	400	3.77		

**Sample ID: S2 - 4' (H501068-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	04/29/2015	ND	400	100	400	3.92		

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

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

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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

<b>Company Name:</b> COG Operating LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>			
<b>Project Manager:</b> Lupe Carrasco				<b>P.O. #:</b>							
<b>Address:</b> 2208 West Main				<b>Company:</b> COG Operating LLC							
<b>City:</b> Artesia				<b>Attn:</b> Robert McNeill							
<b>State:</b> NM				<b>Address:</b> 600 W Illinois							
<b>Zip:</b> 88210				<b>City:</b> Midland							
<b>Phone #:</b> (575) 748-6940				<b>State:</b> TX							
<b>Fax #:</b>				<b>Zip:</b> 79701							
<b>Project #:</b>				<b>Phone #:</b> (432) 221-0388							
<b>Project Name:</b> Western Hawk State Com #1				<b>Fax #:</b>							
<b>Project Location:</b>											
<b>Sampler Name:</b> Lupe Carrasco											
<b>FOR LAB USE ONLY</b>											
<b>Lab I.D.</b>				<b>Sample I.D.</b>							
<b>H501008</b>				<b>1</b>							
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**Relinquished By:** *[Signature]* **Date:** 4/12/15 **Received By:** *[Signature]* **Date:** 4/12/15

**Relinquished By:** *[Signature]* **Date:** 4/12/15 **Received By:** *[Signature]* **Date:** 4/12/15

**Delivered By:** (Circle One) **Sample Condition:** Cool ☒ Intact ☐ Yes ☐ No ☐ No **CHECKED BY:** *[Signature]*

**Sampler - UPS - Bus - Other:** **FORM-008 R 2.0**

**REMARKS:** *added 4/128*

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

**Fax Result:** ☐ Yes ☐ No **Add'l Fax #:**

**Run Chloride samples until results fall below 1000 ppm.**



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: Western Hawk State Com #1	Facility Type: Battery	
Surface Owner: State	Mineral Owner:	API No. 30-015-33400

### LOCATION OF RELEASE

Unit Letter N	Section 3	Township 25S	Range 28E	Feet from the	North/South Line	Feet from the	East/West Line	County
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Latitude 32.1528901 Longitude -104.076062808307

### NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: 35 bbls Oil; 5 bbls PW	Volume Recovered: 33 bbls Oil; 3 bbls PW
Source of Release: Wellhead	Date and Hour of Occurrence: 11/30/2014 11:20 am	Date and Hour of Discovery: 11/30/2014 11:20 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher	
By Whom? Amanda Trujillo	Date and Hour: 12/3/2014 3:54 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 a failure in the stuffing box. Vacuum trucks were dispatched to recover any standing fluid and dispose of at an NMOCD approved facility.

Describe Area Affected and Cleanup Action Taken.\*

All fluid stayed on location and impacted an area approximately 36'x14'. 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: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Amanda Trujillo	Approved by Environmental Specialist:		
Title: Senior Environmental Coordinator	Approval Date:	Expiration Date:	
E-mail Address: <a href="mailto:atrujillo@concho.com">atrujillo@concho.com</a>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: December 5, 2014	Phone: 575-748-6940		

\* Attach Additional Sheets If Necessary