



Dakota Neel
Environmental Coordinator

December 4, 2015

Oil Conservation Division
District 1 – Hobbs
1625 N. French Drive
Hobbs, New Mexico 88240

RECEIVED

By JKeyes at 2:56 pm, Dec 08, 2015

**Re: Bevo 11 Federal #4H
30-025-41804
Sec. 11, T22S-R33E
Lea, NM**

APPROVED

By JKeyes at 2:56 pm, Dec 08, 2015

Ensure BLM concurrence/approval.

Ms. Kellie Jones,

COG Operating LLC would like to submit for your consideration the enclosed closure request for the above captioned well. The request is in response to the C-141 Initial report dated August 21, 2015.

Background

This release was caused by a gasket failure on a heater treater resulting in the release of 20 barrels of oil and 30 barrels of produced water of which 15 barrels of oil and 25 barrels of produced water were recovered. This release was mostly contained with the lined containment of the facility, however, overspray misted the pasture north of the location. The area impacted in the pasture was approximately 0.09 acres. Vacuum trucks were dispatched to recover standing fluid from the lined facility as well as the pasture. Microblaze was applied to the impacted area occurring outside of the containment in the pasture. The attached site diagram depicts the approximate area impacted by the release along with the approximate sampling points.

Groundwater

Based on the Chevron-Texaco Trend Maps, the release area would be classified at a site ranking of **Zero** with a depth to groundwater > 100'.

Soil Assessment and Analytical Results

Sample points noted on the attached Site Diagram were chosen based on safe proximity to existing gas lines and release pooling areas. Below is a summary of the attached 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

S1	BTEX	GRO	DRO	TPH	Cl-
Surface	< 0.300	< 10.0	276	276	< 16.0
1'	< 0.300	< 10.0	< 10.0	< 10.0	< 16.0
2'	< 0.300	< 10.0	42.2	42.2	< 16.0
S2	BTEX	GRO	DRO	TPH	Cl-
Surface	< 0.300	< 50.0	191	191	< 16.0
1'	< 0.300	< 10.0	< 10.0	< 10.0	< 16.0
S3	BTEX	GRO	DRO	TPH	Cl-
Surface	< 0.300	< 10.0	17.6	17.6	< 16.0
1'	< 0.300	< 10.0	< 10.0	< 10.0	< 16.0

Work Plan

COG Operating LLC proposes that no excavation be required in the pasture based on the analytical results obtained and lack of any possible impact to ground water at a depth of 375'.

If there are no objections or further stipulations, COG Operating LLC requests closure of the above captioned location. Please feel free to contact me with any questions or concerns at (575) 689-3100.

Sincerely,

Dakota Neel
Environmental Coordinator

Enclosure(s): (1) Site Diagram
(2) C-141 Initial (Copy)
(3) C-141 Final
(4) Analytical Results

December 4, 2015

Bevo 11 Federal #4H

API #30-025-41804

32.4009247, -103.5375214

8-20-2015

Release: 20 bbbls Oil ; 30 bbbls PW

Recovered: 15 bbbls Oil ; 25 bbbls PW



Legend
 Release

Site Ranking: 0
Depth to GW per SEO: 375 ft

S1	BTEX	GRO	DRO	TPH	Cl-
Surface	<0.300	<10.0	276	276	<16.0
1'	<0.300	<10.0	<10.0	<10.0	<16.0
2'	<0.300	<10.0	42.2	42.2	<16.0
S2	BTEX	GRO	DRO	TPH	Cl-
Surface	<0.300	<50.0	191	191	<16.0
1'	<0.300	<10.0	<10.0	<10.0	<16.0
S3	BTEX	GRO	DRO	TPH	Cl-
Surface	<0.300	<10.0	17.6	17.6	<16.0
1'	<0.300	<10.0	<10.0	<10.0	<16.0

Bold values exceed RRALs per NMOCD Guidelines (1993)



200 ft

Google earth



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: Bevo 11 Federal #4H Battery	Facility Type: Battery

Surface Owner: Federal	Mineral Owner:	API No. 30-025-41804
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	11	22S	33E	700'	South	890'	East	Lea

Latitude 32.4009247 Longitude -103.5375214

NATURE OF RELEASE

Type of Release: Oil & Produced Water	Volume of Release: 20 bbls Oil; 30 bbls PW	Volume Recovered: 15 bbls Oil; 25 bbls PW
Source of Release: Gasket Failure	Date and Hour of Occurrence: 8/21/2015 10:50 pm	Date and Hour of Discovery: 8/21/2015 10:50 pm
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: Mon 8/24/2015 6:23 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 gasket failure on a heater treater. Vacuum trucks were dispatched to recover all standing fluid. Microblaze was applied to the area impacted outside the containment.

Describe Area Affected and Cleanup Action Taken.*

This release was mostly contained with the lined containment of the facility. A spray misted the pasture. 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: 12/08/2015	Expiration Date: ///
E-mail Address: atrujillo@concho.com	Conditions of Approval: Ensure BLM concurrence/approval	Attached <input type="checkbox"/> IRP3856
Date: 9/4/2015 Phone: 575-748-6940		

* Attach Additional Sheets If Necessary

nJXK1525928160
pJXK1525928271

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: Bevo 11 Federal #4H Battery	Facility Type: Battery
Surface Owner: Federal	Mineral Owner:
API No. 30-025-41804	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
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Latitude 32.4009247 Longitude -103.5375214

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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: Mon 8/24/2015 6:23 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

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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:	
Date: 12/4/2015 Phone: 575-748-6940	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary



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

November 09, 2015

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: BEVO 11 FEDERAL #4H

Enclosed are the results of analyses for samples received by the laboratory on 11/04/15 12:40.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized initial 'C'.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 COG OPERATING
 DAKOTA NEEL
 P. O. BOX 1630
 ARTESIA NM, 88210
 Fax To: NONE

Received:	11/04/2015	Sampling Date:	11/04/2015
Reported:	11/09/2015	Sampling Type:	Soil
Project Name:	BEVO 11 FEDERAL #4H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: S1- SURFACE (H502919-01)

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	11/06/2015	ND	2.01	101	2.00	1.02	
Toluene*	<0.050	0.050	11/06/2015	ND	2.24	112	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/06/2015	ND	2.05	103	2.00	1.93	
Total Xylenes*	<0.150	0.150	11/06/2015	ND	6.52	109	6.00	1.81	
Total BTEX	<0.300	0.300	11/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.1% 73 6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2015	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	11/05/2015	ND	207	103	200	0.927	
DRO >C10-C28	276	10.0	11/05/2015	ND	211	105	200	0.0565	

Surrogate: 1-Chlorooctane 91.7% 35-147

Surrogate: 1-Chlorooctadecane 103% 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 COG OPERATING
 DAKOTA NEEL
 P. O. BOX 1630
 ARTESIA NM, 88210
 Fax To: NONE

Received:	11/04/2015	Sampling Date:	11/04/2015
Reported:	11/09/2015	Sampling Type:	Soil
Project Name:	BEVO 11 FEDERAL #4H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: S1- 1' (H502919-02)

BTEX 80218		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/06/2015	ND	2.01	101	2.00	1.02		
Toluene*	<0.050	0.050	11/06/2015	ND	2.24	112	2.00	1.50		
Ethylbenzene*	<0.050	0.050	11/06/2015	ND	2.05	103	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/06/2015	ND	6.52	109	6.00	1.81		
Total BTEX	<0.300	0.300	11/06/2015	ND						

Surrogate 4-Bromofluorobenzene (PIE) 99.3 % 73 6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/05/2015	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	11/05/2015	ND	207	103	200	0.927		
DRO >C10-C28	<10.0	10.0	11/05/2015	ND	211	105	200	0.0565		

Surrogate 1-Chlorooctane 91.3 % 35-147

Surrogate 1-Chlorooctadecane 102 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 COG OPERATING
 DAKOTA NEEL
 P. O. BOX 1630
 ARTESIA NM, 88210
 Fax To: NONE

 Received: 11/04/2015
 Reported: 11/09/2015
 Project Name: BEVO 11 FEDERAL #4H
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/04/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Judy Garcia

Sample ID: S1- 2' (H502919-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2015	ND	2.01	101	2.00	1.02	
Toluene*	<0.050	0.050	11/06/2015	ND	2.24	112	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/06/2015	ND	2.05	103	2.00	1.93	
Total Xylenes*	<0.150	0.150	11/06/2015	ND	6.52	109	6.00	1.81	
Total BTEX	<0.300	0.300	11/06/2015	ND					

Surrogate 4-Bromofluorobenzene (PIC) 101 % 73 6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2015	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	11/05/2015	ND	207	103	200	0.927	
DRO >C10-C28	42.2	10.0	11/05/2015	ND	211	105	200	0.0565	

Surrogate 1-Chlorooctane 93.9 % 35-147

Surrogate 1-Chlorooctadecane 105 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 COG OPERATING
 DAKOTA NEEL
 P. O. BOX 1630
 ARTESIA NM, 88210
 Fax To: NONE

 Received: 11/04/2015
 Reported: 11/09/2015
 Project Name: BEVO 11 FEDERAL #4H
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/04/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Judy Garcia

Sample ID: S2- SURFACE (H502919-04)

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	11/06/2015	ND	2.01	101	2.00	1.02		
Toluene*	<0.050	0.050	11/06/2015	ND	2.24	112	2.00	1.50		
Ethylbenzene*	<0.050	0.050	11/06/2015	ND	2.05	103	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/06/2015	ND	6.52	109	6.00	1.81		
Total BTEX	<0.300	0.300	11/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 73 6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/05/2015	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	11/05/2015	ND	207	103	200	0.927		
DRO >C10-C28	191	10.0	11/05/2015	ND	211	105	200	0.0565		

Surrogate: 1-Chlorooctane 92.6 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 COG OPERATING
 DAKOTA NEEL
 P. O. BOX 1630
 ARTESIA NM, 88210
 Fax To: NONE

 Received: 11/04/2015
 Reported: 11/09/2015
 Project Name: BEVO 11 FEDERAL #4H
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/04/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Judy Garcia

Sample ID: S2- 1' (H502919-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/06/2015	ND	2.01	101	2.00	1.02		
Toluene*	<0.050	0.050	11/06/2015	ND	2.24	112	2.00	1.50		
Ethylbenzene*	<0.050	0.050	11/06/2015	ND	2.05	103	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/06/2015	ND	6.52	109	6.00	1.81		
Total BTEX	<0.300	0.300	11/06/2015	ND						

Surrogate 4-Bromofluorobenzene (PIE) 101 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/05/2015	ND	416	104	400	0.00		

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Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
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DRO >C10-C28	<10.0	10.0	11/05/2015	ND	211	105	200	0.0565		

Surrogate 1-Chlorooctane 90.0 % 35-147

Surrogate 1-Chlorooctadecane 103 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 COG OPERATING
 DAKOTA NEEL
 P. O. BOX 1630
 ARTESIA NM, 88210
 Fax To: NONE

 Received: 11/04/2015
 Reported: 11/09/2015
 Project Name: BEVO 11 FEDERAL #4H
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/04/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Judy Garcia

Sample ID: S3- SURFACE (H502919-06)

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	11/06/2015	ND	2.01	101	2.00	1.02	
Toluene*	<0.050	0.050	11/06/2015	ND	2.24	112	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/06/2015	ND	2.05	103	2.00	1.93	
Total Xylenes*	<0.150	0.150	11/06/2015	ND	6.52	109	6.00	1.81	
Total BTEX	<0.300	0.300	11/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/05/2015	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	11/05/2015	ND	207	103	200	0.927	
DRO >C10-C28	17.6	10.0	11/05/2015	ND	211	105	200	0.0565	

Surrogate: 1-Chlorooctane 80.4 % 35-147

Surrogate: 1-Chlorooctadecane 89.1 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 COG OPERATING
 DAKOTA NEEL
 P. O. BOX 1630
 ARTESIA NM, 88210
 Fax To: NONE

 Received: 11/04/2015
 Reported: 11/09/2015
 Project Name: BEVO 11 FEDERAL #4H
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/04/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Judy Garcia

Sample ID: S3- 1' (H502919-07)

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	11/06/2015	ND	2.01	101	2.00	1.02		
Toluene*	<0.050	0.050	11/06/2015	ND	2.24	112	2.00	1.50		
Ethylbenzene*	<0.050	0.050	11/06/2015	ND	2.05	103	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/06/2015	ND	6.52	109	6.00	1.81		
Total BTEX	<0.300	0.300	11/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/05/2015	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	11/05/2015	ND	207	103	200	0.927		
DRO >C10-C28	<10.0	10.0	11/05/2015	ND	211	105	200	0.0565		

Surrogate: 1-Chlorooctane 90.8 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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* = Accredited Analyte

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Caley 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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: COG Operating LLC

Project Manager: Dakota Neel

Address: 2208 West Main

City: Artesia

Phone #: (575) 748-6930

Project #:

Project Name: Bevo 11 Federal #4H

Project Location:

Sampler Name: Dakota Neel

P.O. #:

Company: COG Operating LLC

Attn: Robert McNeill

Address: 600 W Illinois

City: Midland

State: TX Zip: 79701

Phone #: (432) 221-0388

Fax #:

FOR LAB USE ONLY

Lab I.D. *H50249*

Sample I.D.

- S1- Surface
- S1- 1'
- S1- 2'
- S2- Surface
- S2- 1'
- S3- Surface
- S3- 1'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE

ICE / COOL

OTHER :

MATRIX

PRESERV

SAMPLING

DATE

TIME

BTEX

TPH

Chloride

11/4/15
11/4/15
11/4/15
11/4/15
11/4/15
11/4/15
11/4/15

X *X* *X*
X *X* *X*

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Relinquished By: *DANOTA NEEL*

Received By: *Judy Garcia*

Relinquished By:

Received By:

Date:

Date:

Delivered By: (Circle One)

Sample Condition

CHECKED BY: *JG*

Sampler - UPS - Bus - Other *#54*

3.8c

Cool Intact Yes No

Checked BY: *JG*

Phone Result: Yes No

Add'l Phone #:

Fax Result: Yes No

Add'l Fax #:

REMARKS: *dneel2@concho.com qcarrasco@concho.com*

FORM 0000 11-20

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