



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805  
E-MAIL: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

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## **COG – CCAP State Com #002 (09/06/2016)**

### **REMEDIATION PLAN, RP # 2RP-3881**

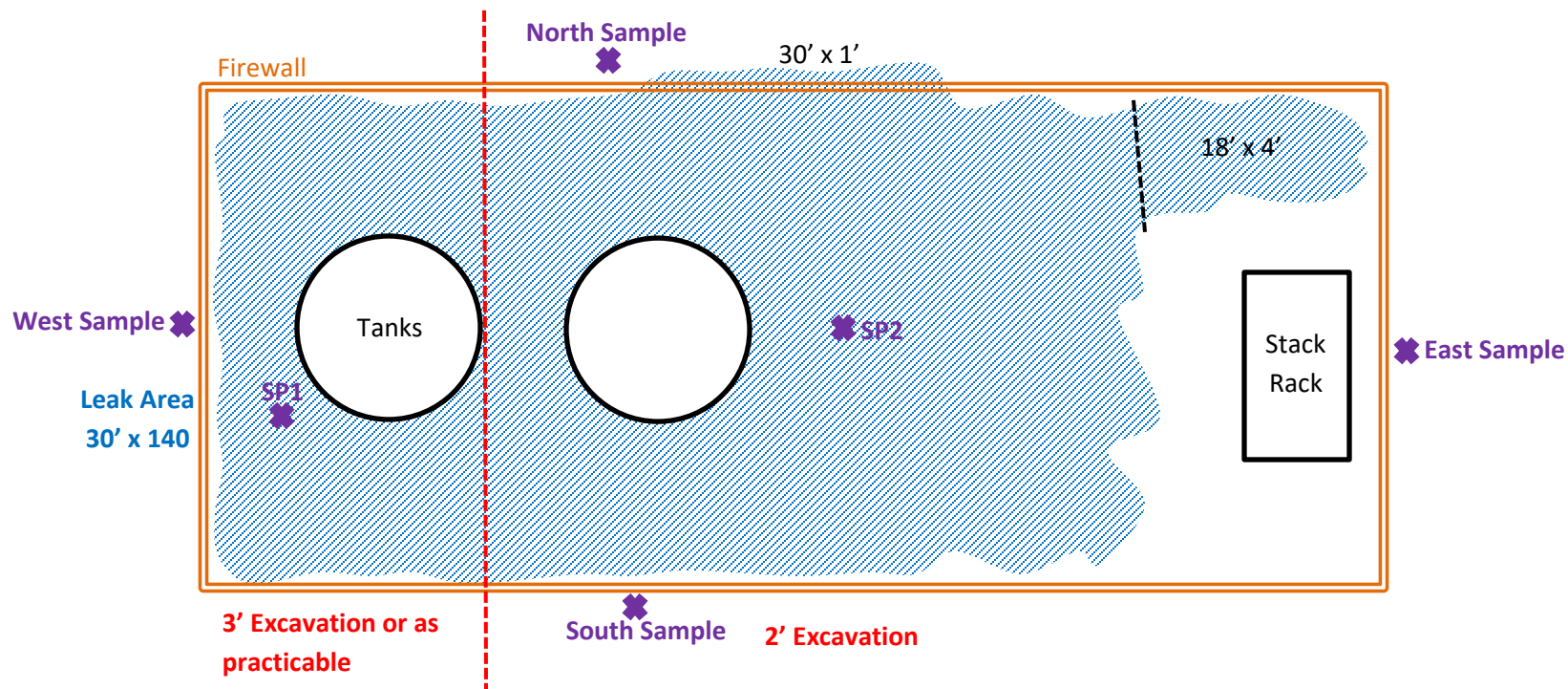
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COG will excavate the spill area as depicted on the following site diagram. In the area of SP1, excavation will be 3 feet or as practicable. The rest of the leak area will be excavated to a depth of 2 feet. The entire site will then be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.



COG  
CCAP State Com #002



U/L O, Section 16, T22S, R27E

Eddy County, NM

N 32.38799° W 104.19135°

API# 30-015-31567

BBC International, Inc.

COG

CCAP State Com #002

Date: 01/04/2017

DRWG by: K. Purvis

NOT TO SCALE

File: COG 2016



# Groundwater Plot

COG CCAP State Com #002

County  
Eddy

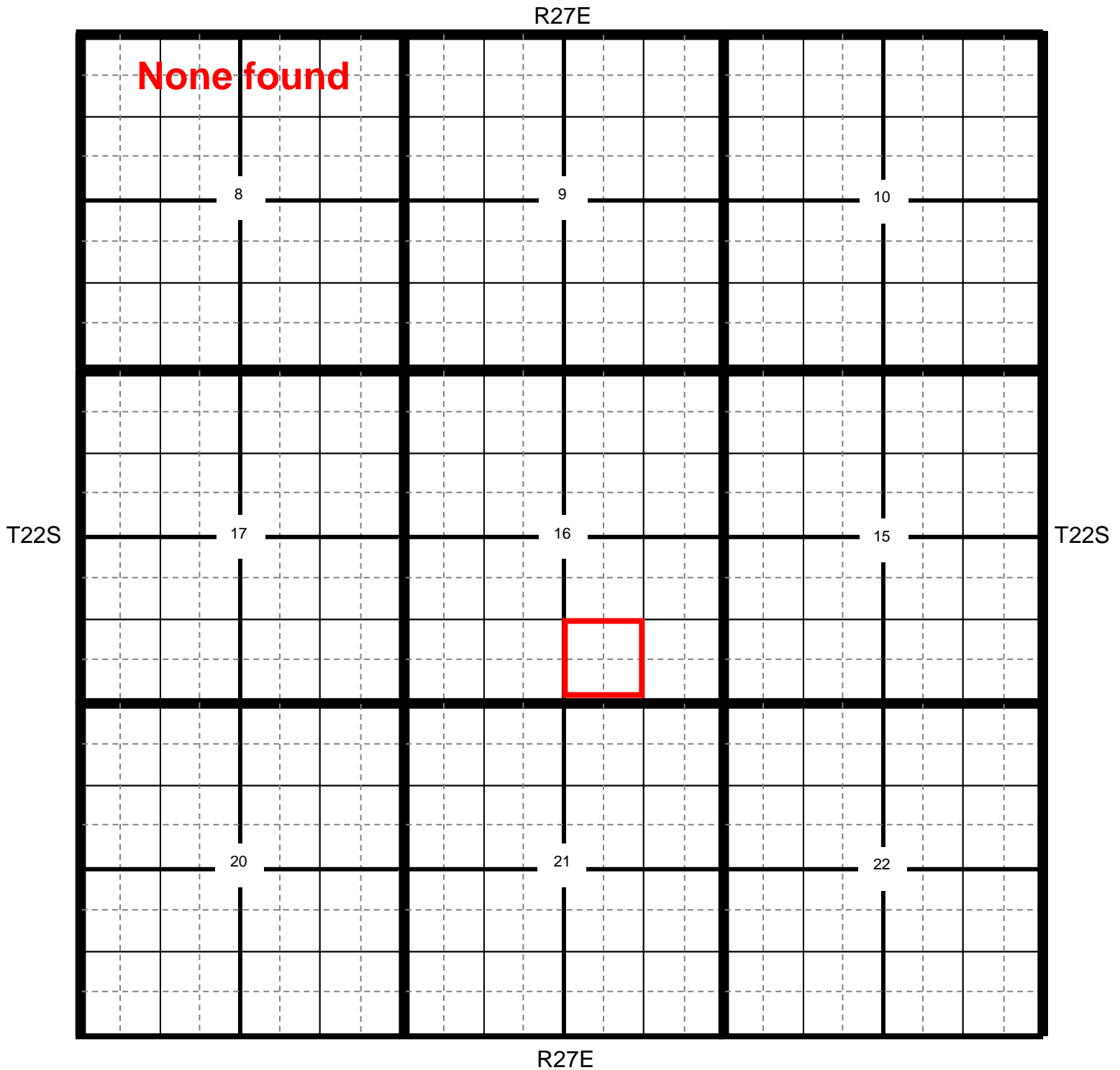
Unit Letter  
O

Section  
16

Township  
22S

Range  
27E

Trend Map <50'



★ Location

● OCD

● USGS

● SEO

● All Databases

## COG CCAP State Com #002

**County**  
 Eddy
 **Unit Letter**  
 O
 **Section**  
 16
 **Township**  
 22S
 **Range**  
 27E

Trend Map <50'

1

2

NW/NW <b>None found</b>	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

**Laboratory Analytical Results Summary  
CCAP State Com #002**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	1/13/17	1/13/17	1/13/17
			mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<b>0.374</b>	<b>0.224</b>	<b>0.053</b>
<b>Toluene</b>	BTEX 8021B		<b>3.02</b>	<b>2.59</b>	<b>0.6</b>
<b>Ethylbenzene</b>	BTEX 8021B		<b>1.31</b>	<b>1.07</b>	<b>0.241</b>
<b>Total Xylenes</b>	BTEX 8021B		<b>4.16</b>	<b>3.89</b>	<b>1.17</b>
<b>Total BTEX</b>	BTEX 8021B		<b>8.86</b>	<b>7.77</b>	<b>2.06</b>
<b>Chloride</b>	SM4500Cl-B		<b>64</b>	<b>32</b>	<b>96</b>
<b>GRO</b>	TPH 8015M		<b>66.2</b>	<b>46.3</b>	<b>&lt;10.0</b>
<b>DRO</b>	TPH 8015M		<b>717</b>	<b>697</b>	<b>125</b>

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	1/13/17	1/13/17	1/13/17
			mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<b>0.238</b>	<b>0.195</b>	<b>&lt;0.050</b>
<b>Toluene</b>	BTEX 8021B		<b>2.32</b>	<b>2.14</b>	<b>0.334</b>
<b>Ethylbenzene</b>	BTEX 8021B		<b>0.934</b>	<b>0.778</b>	<b>0.136</b>
<b>Total Xylenes</b>	BTEX 8021B		<b>3.39</b>	<b>2.76</b>	<b>0.731</b>
<b>Total BTEX</b>	BTEX 8021B		<b>6.88</b>	<b>5.87</b>	<b>1.2</b>
<b>Chloride</b>	SM4500Cl-B		<b>64</b>	<b>32</b>	<b>96</b>
<b>GRO</b>	TPH 8015M		<b>61.6</b>	<b>47.3</b>	<b>&lt;10.0</b>
<b>DRO</b>	TPH 8015M		<b>799</b>	<b>641</b>	<b>80.5</b>

		Sample	NORTH SAMPLE
Analyte	Method	Date	1/13/17
			mg/Kg
<b>Benzene</b>	BTEX 8021B		<b>0.072</b>
<b>Toluene</b>	BTEX 8021B		<b>0.56</b>
<b>Ethylbenz</b>	BTEX 8021B		<b>0.141</b>
<b>Total Xyle</b>	BTEX 8021B		<b>0.747</b>
<b>Total BTE</b>	BTEX 8021B		<b>1.52</b>
<b>Chloride</b>	SM4500Cl-B		<b>208</b>
<b>GRO</b>	TPH 8015M		<b>&lt;10.0</b>
<b>DRO</b>	TPH 8015M		<b>&lt;10.0</b>

		Sample	EAST SAMPLE
Analyte	Method	Date	1/13/17
			mg/Kg
<b>Benzene</b>	BTEX 8021B		<b>&lt;0.050</b>
<b>Toluene</b>	BTEX 8021B		<b>0.247</b>
<b>Ethylbenz</b>	BTEX 8021B		<b>0.07</b>
<b>Total Xyle</b>	BTEX 8021B		<b>0.436</b>
<b>Total BTE</b>	BTEX 8021B		<b>0.753</b>
<b>Chloride</b>	SM4500Cl-B		<b>192</b>
<b>GRO</b>	TPH 8015M		<b>&lt;10.0</b>
<b>DRO</b>	TPH 8015M		<b>&lt;10.0</b>

		Sample	SOUTH SAMPLE
Analyte	Method	Date	1/13/17
			mg/Kg
<b>Benzene</b>	BTEX 8021B		<b>&lt;0.050</b>
<b>Toluene</b>	BTEX 8021B		<b>0.323</b>
<b>Ethylbenz</b>	BTEX 8021B		<b>0.101</b>
<b>Total Xyle</b>	BTEX 8021B		<b>0.567</b>
<b>Total BTE</b>	BTEX 8021B		<b>0.991</b>
<b>Chloride</b>	SM4500Cl-B		<b>240</b>
<b>GRO</b>	TPH 8015M		<b>&lt;10.0</b>
<b>DRO</b>	TPH 8015M		<b>&lt;10.0</b>

		Sample	WEST SAMPLE
Analyte	Method	Date	1/13/17
			mg/Kg
<b>Benzene</b>	BTEX 8021B		<b>&lt;0.050</b>
<b>Toluene</b>	BTEX 8021B		<b>0.391</b>
<b>Ethylbenz</b>	BTEX 8021B		<b>0.089</b>
<b>Total Xyle</b>	BTEX 8021B		<b>0.491</b>
<b>Total BTE</b>	BTEX 8021B		<b>0.97</b>
<b>Chloride</b>	SM4500Cl-B		<b>240</b>
<b>GRO</b>	TPH 8015M		<b>&lt;10.0</b>
<b>DRO</b>	TPH 8015M		<b>&lt;10.0</b>



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

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January 23, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CCAP STATE COM #2

Enclosed are the results of analyses for samples received by the laboratory on 01/18/17 8:30.

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

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

 Received: 01/18/2017  
 Reported: 01/23/2017  
 Project Name: CCAP STATE COM #2  
 Project Number: NONE GIVEN  
 Project Location: COG

 Sampling Date: 01/13/2017  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1' (H700112-01)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.374</b>	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
<b>Toluene*</b>	<b>3.02</b>	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
<b>Ethylbenzene*</b>	<b>1.31</b>	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
<b>Total Xylenes*</b>	<b>4.16</b>	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
<b>Total BTX</b>	<b>8.86</b>	0.300	01/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	01/18/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>66.2</b>	10.0	01/18/2017	ND	207	103	200	8.30	
<b>DRO &gt;C10-C28</b>	<b>717</b>	10.0	01/18/2017	ND	209	104	200	5.39	

Surrogate: 1-Chlorooctane 107 % 35-147

Surrogate: 1-Chlorooctadecane 98.1 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 01/18/2017  
Reported: 01/23/2017  
Project Name: CCAP STATE COM #2  
Project Number: NONE GIVEN  
Project Location: COG

Sampling Date: 01/13/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 2' (H700112-02)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.224	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	QM-07
Toluene*	2.59	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
Ethylbenzene*	1.07	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
Total Xylenes*	3.89	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
Total BTX	7.77	0.300	01/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/18/2017	ND	432	108	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	46.3	10.0	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	697	10.0	01/18/2017	ND	209	104	200	5.39	

Surrogate: 1-Chlorooctane 85.4 % 35-147

Surrogate: 1-Chlorooctadecane 91.5 % 28-171

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\*=Accredited Analyte

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Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 01/18/2017  
Reported: 01/23/2017  
Project Name: CCAP STATE COM #2  
Project Number: NONE GIVEN  
Project Location: COG

Sampling Date: 01/13/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 3' (H700112-03)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.053</b>	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	
<b>Toluene*</b>	<b>0.600</b>	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
<b>Ethylbenzene*</b>	<b>0.241</b>	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
<b>Total Xylenes*</b>	<b>1.17</b>	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
<b>Total BTEX</b>	<b>2.06</b>	0.300	01/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	01/18/2017	ND	432	108	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	01/18/2017	ND	207	103	200	8.30	
<b>DRO &gt;C10-C28</b>	<b>125</b>	10.0	01/18/2017	ND	209	104	200	5.39	

Surrogate: 1-Chlorooctane 87.0 % 35-147

Surrogate: 1-Chlorooctadecane 82.7 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 01/18/2017  
Reported: 01/23/2017  
Project Name: CCAP STATE COM #2  
Project Number: NONE GIVEN  
Project Location: COG

Sampling Date: 01/13/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1' (H700112-04)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.238	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	
Toluene*	2.32	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
Ethylbenzene*	0.934	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
Total Xylenes*	3.39	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
Total BTEX	6.88	0.300	01/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/18/2017	ND	432	108	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	61.6	10.0	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	799	10.0	01/18/2017	ND	209	104	200	5.39	

Surrogate: 1-Chlorooctane 102 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

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Fax To: (575) 397-0397

Received: 01/18/2017  
Reported: 01/23/2017  
Project Name: CCAP STATE COM #2  
Project Number: NONE GIVEN  
Project Location: COG

Sampling Date: 01/13/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 2' (H700112-05)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.195</b>	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	
<b>Toluene*</b>	<b>2.14</b>	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
<b>Ethylbenzene*</b>	<b>0.778</b>	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
<b>Total Xylenes*</b>	<b>2.76</b>	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
<b>Total BTX</b>	<b>5.87</b>	0.300	01/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	01/18/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>47.3</b>	10.0	01/18/2017	ND	207	103	200	8.30	
<b>DRO &gt;C10-C28</b>	<b>641</b>	10.0	01/18/2017	ND	209	104	200	5.39	

Surrogate: 1-Chlorooctane 97.9 % 35-147

Surrogate: 1-Chlorooctadecane 95.0 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

 Received: 01/18/2017  
 Reported: 01/23/2017  
 Project Name: CCAP STATE COM #2  
 Project Number: NONE GIVEN  
 Project Location: COG

 Sampling Date: 01/13/2017  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 3' (H700112-06)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	
Toluene*	0.334	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
Ethylbenzene*	0.136	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
Total Xylenes*	0.731	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
Total BTX	1.20	0.300	01/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/18/2017	ND	432	108	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	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	80.5	10.0	01/18/2017	ND	209	104	200	5.39	

Surrogate: 1-Chlorooctane 73.8 % 35-147

Surrogate: 1-Chlorooctadecane 68.7 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 01/18/2017  
Reported: 01/23/2017  
Project Name: CCAP STATE COM #2  
Project Number: NONE GIVEN  
Project Location: COG

Sampling Date: 01/13/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: NORTH SAMPLE (H700112-07)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.072	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	
Toluene*	0.560	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
Ethylbenzene*	0.141	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
Total Xylenes*	0.747	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
Total BTX	1.52	0.300	01/19/2017	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	01/18/2017	ND	432	108	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	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	<10.0	10.0	01/18/2017	ND	209	104	200	5.39	

Surrogate: 1-Chlorooctane 76.5 % 35-147

Surrogate: 1-Chlorooctadecane 88.0 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 01/18/2017  
Reported: 01/23/2017  
Project Name: CCAP STATE COM #2  
Project Number: NONE GIVEN  
Project Location: COG

Sampling Date: 01/13/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: EAST SAMPLE (H700112-08)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	
Toluene*	0.247	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
Ethylbenzene*	0.070	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
Total Xylenes*	0.436	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
Total BTX	0.753	0.300	01/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/18/2017	ND	432	108	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	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	<10.0	10.0	01/18/2017	ND	209	104	200	5.39	

Surrogate: 1-Chlorooctane 85.7 % 35-147

Surrogate: 1-Chlorooctadecane 93.2 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 01/18/2017  
Reported: 01/23/2017  
Project Name: CCAP STATE COM #2  
Project Number: NONE GIVEN  
Project Location: COG

Sampling Date: 01/13/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SOUTH SAMPLE (H700112-09)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	
Toluene*	0.323	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
Ethylbenzene*	0.101	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
Total Xylenes*	0.567	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
Total BTX	0.991	0.300	01/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	01/18/2017	ND	432	108	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	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	<10.0	10.0	01/18/2017	ND	209	104	200	5.39	

Surrogate: 1-Chlorooctane 77.9 % 35-147

Surrogate: 1-Chlorooctadecane 84.4 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 01/18/2017  
Reported: 01/23/2017  
Project Name: CCAP STATE COM #2  
Project Number: NONE GIVEN  
Project Location: COG

Sampling Date: 01/13/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: WEST SAMPLE (H700112-10)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	
Toluene*	0.391	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
Ethylbenzene*	0.089	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
Total Xylenes*	0.491	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
Total BTX	0.970	0.300	01/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/18/2017	ND	432	108	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	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	<10.0	10.0	01/18/2017	ND	209	104	200	5.39	

Surrogate: 1-Chlorooctane 81.7 % 35-147

Surrogate: 1-Chlorooctadecane 79.0 % 28-171

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Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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



**ORDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> BBC International, Inc.				<b>P.O. #:</b>							
<b>Project Manager:</b> Cliff Brunson				<b>BILL TO</b>							
<b>Address:</b> P.O. Box 805				<b>ANALYSIS REQUEST</b>							
<b>City:</b> Hobbs				<b>State:</b> NM <b>Zip:</b> 88241							
<b>Phone #:</b> 575-397-6388				<b>Fax #:</b>							
<b>Project #:</b>				<b>Attn:</b>							
<b>Project Owner:</b> COG				<b>Address:</b>							
<b>Project Location:</b> CCAP STATE COM #2				<b>City:</b>							
<b>Sample Name:</b> ROGER HERNANDEZ				<b>State:</b> <b>Zip:</b>							
<b>FOR LAB USE ONLY</b>				<b>Phone #:</b>							
				<b>Fax #:</b>							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	TPH	BTEX	CHLORIDE
A7DDBI2	SP1 @ 1'	G	1	GROUNDWATER			1/3/17	1020	V	V	V
	@ 2'	G	1	WASTEWATER			1/3/17	1050	V	V	V
	@ 3'	G	1	SOIL			1/3/17	1110	V	V	V
	SP2 @ 1'	C	1	OIL			1/3/17	1150	V	V	V
		C	1	SLUDGE			1/3/17	115	V	V	V
	NORTH SAMPLE	C	1	OTHER :			1/3/17	140	V	V	V
	EAST SAMPLE	C	1	ACID/BASE:			1/3/17	200	V	V	V
	SOUTH SAMPLE	C	1	ICE / COOL			1/3/17	210	V	V	V
	WEST SAMPLE	C	1	OTHER :			1/3/17	730	V	V	V
		C	1				1/3/17	245	V	V	V

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<b>Relinquished By:</b> Roger Hernandez		<b>Date:</b> 01/17/17	<b>Received By:</b>
<b>Time:</b> 2:30	<b>Date:</b>	<b>Signature:</b> [Handwritten]	<b>Initials:</b>
<b>Delivered By: (Circle One)</b>		<b>Checked BY:</b>	
<b>Sampler - UPS - Bus - Other:</b> #75	-4.22	<input type="checkbox"/> Cool	<input checked="" type="checkbox"/> Intact
		<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input type="checkbox"/> No	<input type="checkbox"/> Yes
		<input type="checkbox"/> No	<input type="checkbox"/> No
<b>REMARKS:</b>		<b>PHONE RESULT:</b> <input type="checkbox"/> YES <input type="checkbox"/> NO <b>Add'l Phone #:</b>	
		<b>FAX RESULT:</b> <input type="checkbox"/> YES <input type="checkbox"/> NO <b>Add'l Fax #:</b>	



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

Form C-141  
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.

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.	432-683-7443
Facility Name:	CCAP STATE COM #002	Facility Type:	Tank Battery
Surface Owner:	State	Mineral Owner:	API No. 30-015-31567

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	16	22S	27E	990'	South	1488'	East	Eddy

Latitude 32.3880157 Longitude 104.1911011

NATURE OF RELEASE

Type of Release:	Oil & Produced Water	Volume of Release:	5bbls of Oil & 50bbls of Produced Water	Volume Recovered:	5bbls of Oil & 50bbls of Produced Water
Source of Release:	Oil Tank	Date and Hour of Occurrence:	09-06-2016 12:00	Date and Hour of Discovery:	09-06-2016 12:00
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mr. Bratcher - NMOCD / Ms. Groves - SLO		
By Whom?	Robert Grubbs Jr	Date and Hour:	Wed 9/7/2016 9:30 AM		
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.\*

The release was caused by a hole in the middle of the oil tank due to corrosion. Move production fluid to a different tank.

Describe Area Affected and Cleanup Action Taken.\*

This release occurred within a lined facility. Vacuum trucks were dispatched to remove all freestanding fluids. Concho will have the spill site inspected for 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:	Robert Grubbs Jr.	Approved by Environmental Specialist:	
Title:	Senior Environmental Coordinator	Approval Date:	Expiration Date:
E-mail Address:	rgubbs@concho.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date:	September 8, 2016	Phone:	432-683-7443

\* Attach Additional Sheets If Necessary