



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

APPROVED

COG – BANTER STATE COM #4H

Must provide local native plant information to verify that 3' provides adequate depth for root zone.

REMEDIATION PLAN

COG will excavate the spill area as depicted on the following site diagram. The entire spill area will be excavated to a depth of 3 feet and then a 20 mil plastic liner will be installed. Ten (10) confirmation samples around the perimeter will be taken to ensure the horizontal impact of the spill area is removed. The entire site will be backfilled with clean soil.

The site will then be seeded with the appropriate seed mixture after consultation with the landowner and the SLO has agreed to accept the mixture that the landowner will want since most of the spill is on private land.

In addition, COG is aware of the noxious weed concern of the SLO and recognizes in the event of infestation, COG will eradicate the noxious weeds.

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

June 15, 2016

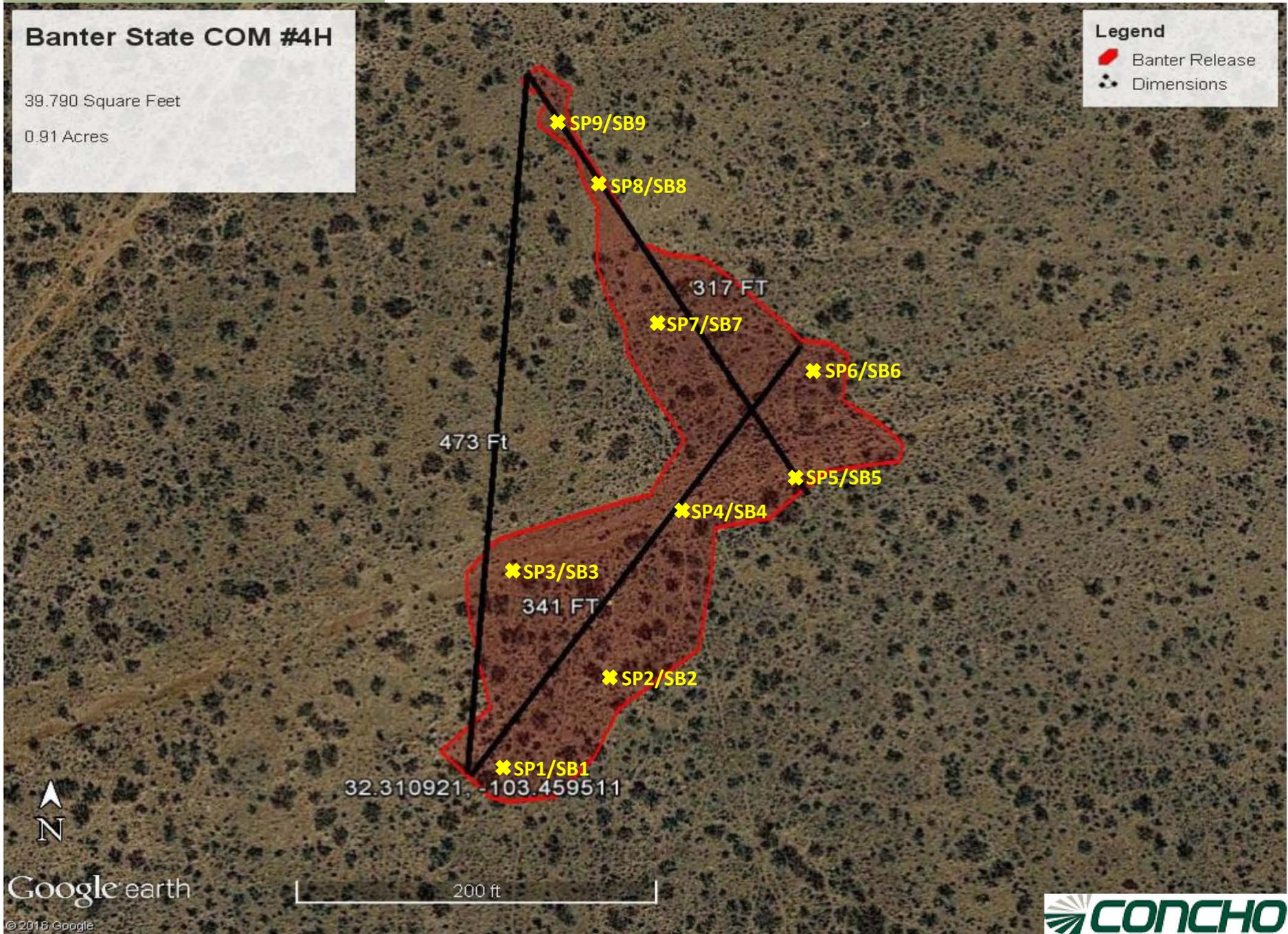
Banter State COM #4H

39,790 Square Feet

0.91 Acres

Legend

-  Banter Release
-  Dimensions



Groundwater Plot

COG Banter State Com #4H

County
Lea

Unit Letter
C

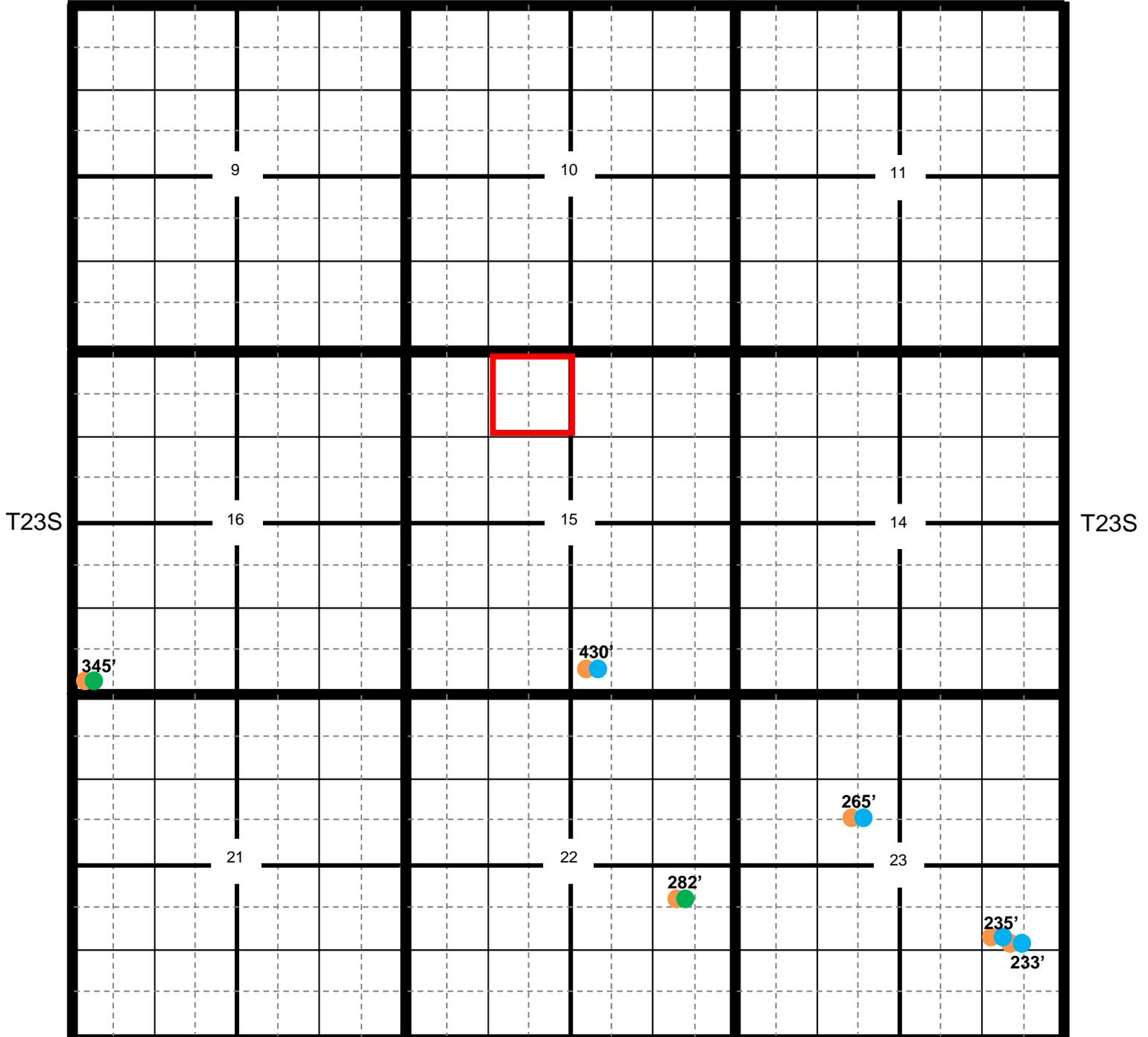
Section
15

Township
23S

Range
34E

Trend Map 300'

R34E



R34E

Location

OCD

USGS

SEO

All Databases

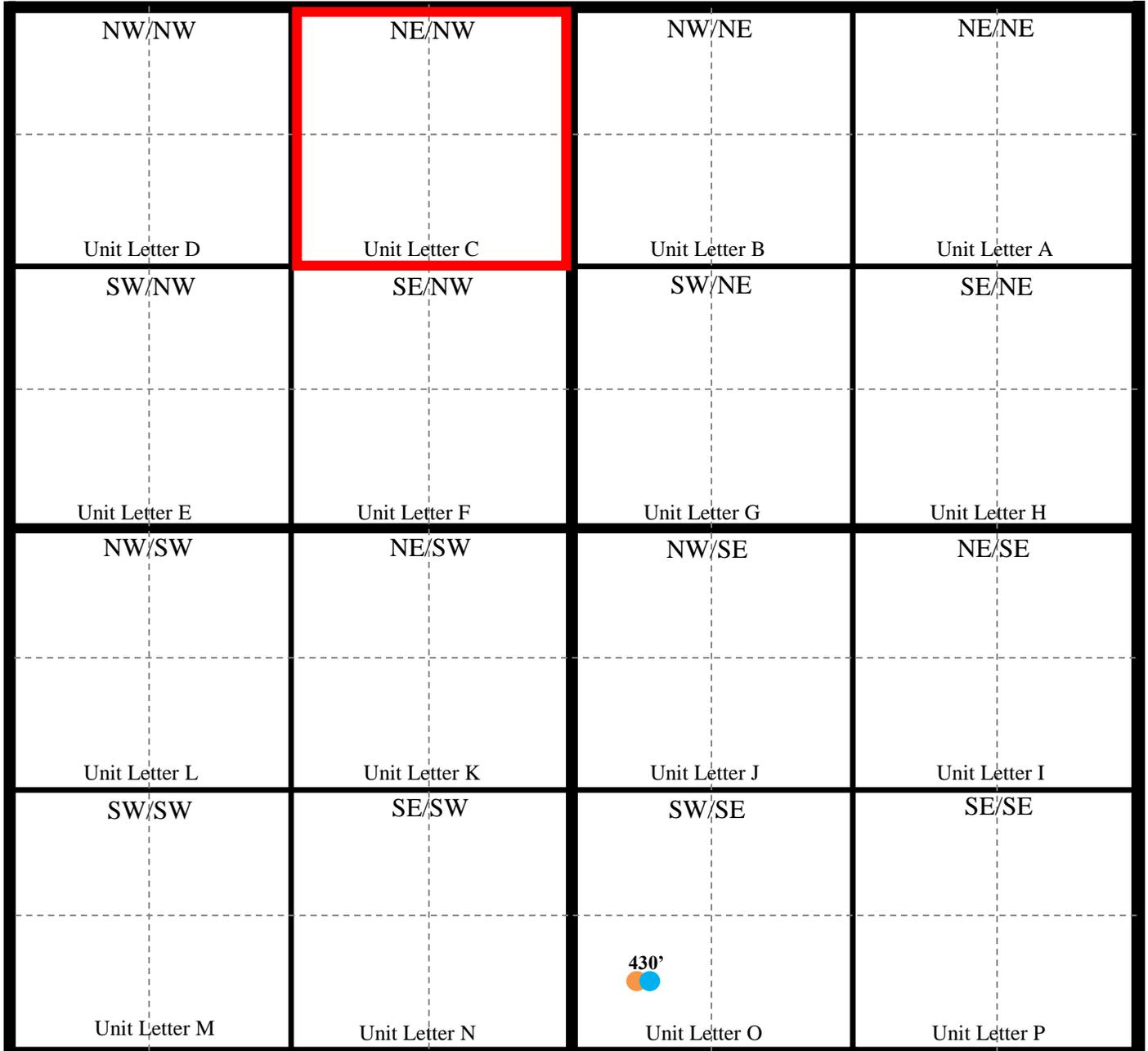
COG Banter State Com #4H

County Unit Letter Section Township Range
 Lea C 15 23S 34E

Trend Map 300'

1

2



3

4

**Laboratory Analytical Results Summary
Banter State Com #4**

Analyte	Method	Sample Date	SP1 @ 1'	SP1 @ 3'
			6/24/16	6/24/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		4480	8800
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		448	<10.0

Analyte	Method	Sample Date	SP5 @ 1'	SP5 @ 3'
			6/27/16	6/27/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		4160	15600
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		18.5	16.1

Analyte	Method	Sample Date	SP9 @ 1'	SP9 @ 3'
			6/27/16	6/27/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		4320	9330
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

Analyte	Method	Sample Date	SP2 @ 1'	SP2 @ 3'
			6/24/16	6/24/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		3440	10100
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		287	<10.0

Analyte	Method	Sample Date	SP6 @ 1'	SP6 @ 3'
			6/27/16	6/27/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		4720	10900
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

Analyte	Method	Sample Date	SP3 @ 1'	SP3 @ 3'
			6/24/16	6/24/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		6160	11100
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

Analyte	Method	Sample Date	SP7 @ 1'	SP7 @ 3'
			6/27/16	6/27/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		4480	7440
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		19.5	<10.0

Analyte	Method	Sample Date	SP4 @ 1'	SP4 @ 3'
			6/24/16	6/27/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		4800	11200
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		183	<10.0

Analyte	Method	Sample Date	SP8 @ 1'	SP8 @ 3'
			6/27/16	6/27/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		4240	8930
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

**Laboratory Analytical Results Summary
Banter State Com #4**

		Sample	SB1 @ 5'	SB1 @ 7'	SB1 @ 9'	SB1 @ 15'	SB1 @ 17'
Analyte	Method	Date	7/6/16	7/6/16	7/6/16	7/6/16	7/6/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		6000	2440	1540	128	80

		Sample	SB2 @ 5'	SB2 @ 9'	SB2 @ 12'	SB2 @ 15'	SB2 @ 17'
Analyte	Method	Date	7/6/16	7/6/16	7/6/16	7/6/16	7/6/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		10500	7330	5200	16	32

		Sample	SB3 @ 5'	SB3 @ 9'	SB3 @ 15'	SB3 @ 20'	SB3 @ 25'	SB3 @ 30'	SB3 @ 33'	SB3 @ 35'
Analyte	Method	Date	7/6/16	7/6/16	7/6/16	7/6/16	7/6/16	7/6/16	7/6/16	7/6/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		13200	8260	6480	7330	6930	384	352	320

		Sample	SB4 @ 5'	SB4 @ 7'	SB4 @ 9'	SB4 @ 12'	SB4 @ 15'	SB4 @ 17'
Analyte	Method	Date	7/6/16	7/6/16	7/6/16	7/6/16	7/6/16	7/6/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		9730	8530	8260	432	192	160

		Sample	SB5 @ 5'	SB5 @ 9'	SB5 @ 15'	SB5 @ 20'	SB5 @ 25'	SB5 @ 30'	SB5 @ 35'	SB5 @ 40'	SB5 @ 45'	SB5 @ 47'
Analyte	Method	Date	7/7/16	7/7/16	7/7/16	7/7/16	7/7/16	7/7/16	7/7/16	7/7/16	7/7/16	7/7/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		8800	8530	3840	1800	2880	3680	1440	1800	96	<16.0

		Sample	SB6 @ 5'	SB6 @ 9'	SB6 @ 15'	SB6 @ 20'	SB6 @ 25'	SB6 @ 30'	SB6 @ 33'
Analyte	Method	Date	7/7/16	7/7/16	7/7/16	7/7/16	7/7/16	7/7/16	7/7/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		8260	12000	8400	5360	1180	<16.0	<16.0

		Sample	SB7 @ 5'	SB7 @ 7'	SB7 @ 9'	SB7 @ 12'
Analyte	Method	Date	7/7/16	7/7/16	7/7/16	7/7/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		9460	7060	336	304

		Sample	SB8 @ 5'	SB8 @ 9'	SB8 @ 12'	SB8 @ 15'
Analyte	Method	Date	7/7/16	7/7/16	7/7/16	7/7/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		3280	5280	176	96

		Sample	SB9 @ 5'	SB9 @ 7'	SB9 @ 9'
Analyte	Method	Date	7/7/16	7/7/16	7/7/16
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		704	80	32



July 06, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BANTER STATE #4

Enclosed are the results of analyses for samples received by the laboratory on 06/28/16 14:14.

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.

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.

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:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP1 @ 1' (H601435-01)

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	06/29/2016	ND	1.86	93.0	2.00	2.42	
Toluene*	<0.050	0.050	06/29/2016	ND	1.76	87.8	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/29/2016	ND	1.67	83.4	2.00	2.81	
Total Xylenes*	<0.150	0.150	06/29/2016	ND	5.12	85.3	6.00	2.70	
Total BTEX	<0.300	0.300	06/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	4480	16.0	07/01/2016	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	06/29/2016	ND	199	99.7	200	1.23	
DRO >C10-C28	448	10.0	06/29/2016	ND	205	103	200	4.39	

Surrogate: 1-Chlorooctane 92.8 % 35-147
Surrogate: 1-Chlorooctadecane 93.9 % 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:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP1 @ 3' (H601435-02)

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	06/29/2016	ND	1.86	93.0	2.00	2.42		
Toluene*	<0.050	0.050	06/29/2016	ND	1.76	87.8	2.00	2.50		
Ethylbenzene*	<0.050	0.050	06/29/2016	ND	1.67	83.4	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/29/2016	ND	5.12	85.3	6.00	2.70		
Total BTEX	<0.300	0.300	06/29/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	8800	16.0	07/01/2016	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	06/29/2016	ND	199	99.7	200	1.23		
DRO >C10-C28	<10.0	10.0	06/29/2016	ND	205	103	200	4.39		

Surrogate: 1-Chlorooctane 82.9 % 35-147

Surrogate: 1-Chlorooctadecane 88.5 % 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:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP2 @ 1' (H601435-03)

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	06/29/2016	ND	1.86	93.0	2.00	2.42	
Toluene*	<0.050	0.050	06/29/2016	ND	1.76	87.8	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/29/2016	ND	1.67	83.4	2.00	2.81	
Total Xylenes*	<0.150	0.150	06/29/2016	ND	5.12	85.3	6.00	2.70	
Total BTEX	<0.300	0.300	06/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 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	3440	16.0	07/01/2016	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	06/29/2016	ND	199	99.7	200	1.23	
DRO >C10-C28	287	10.0	06/29/2016	ND	205	103	200	4.39	

Surrogate: 1-Chlorooctane 86.9 % 35-147

Surrogate: 1-Chlorooctadecane 83.9 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP2 @ 3' (H601435-04)

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	06/30/2016	ND	1.86	93.0	2.00	2.42	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.8	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.67	83.4	2.00	2.81	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.12	85.3	6.00	2.70	
Total BTEX	<0.300	0.300	06/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	10100	16.0	07/01/2016	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	06/29/2016	ND	199	99.7	200	1.23	
DRO >C10-C28	<10.0	10.0	06/29/2016	ND	205	103	200	4.39	

Surrogate: 1-Chlorooctane 93.5 % 35-147

Surrogate: 1-Chlorooctadecane 92.8 % 28-171

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Received:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP3 @ 1' (H601435-05)

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	06/30/2016	ND	1.86	93.0	2.00	2.42	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.8	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.67	83.4	2.00	2.81	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.12	85.3	6.00	2.70	
Total BTEX	<0.300	0.300	06/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	6160	16.0	07/01/2016	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	06/29/2016	ND	199	99.7	200	1.23	
DRO >C10-C28	<10.0	10.0	06/29/2016	ND	205	103	200	4.39	

Surrogate: 1-Chlorooctane 82.5 % 35-147

Surrogate: 1-Chlorooctadecane 79.1 % 28-171

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Analytical Results For:

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

Received:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP3 @ 3' (H601435-06)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	11100	16.0	07/01/2016	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	06/30/2016	ND	199	99.7	200	1.23	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	205	103	200	4.39	

Surrogate: 1-Chlorooctane 86.2 % 35-147

Surrogate: 1-Chlorooctadecane 82.3 % 28-171

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP4 @ 1' (H601435-07)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	4800	16.0	07/01/2016	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	06/30/2016	ND	199	99.7	200	1.23	
DRO >C10-C28	183	10.0	06/30/2016	ND	205	103	200	4.39	

Surrogate: 1-Chlorooctane 80.7 % 35-147

Surrogate: 1-Chlorooctadecane 83.4 % 28-171

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Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP4 @ 3' (H601435-08)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	11200	16.0	07/01/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787	

Surrogate: 1-Chlorooctane 85.5 % 35-147

Surrogate: 1-Chlorooctadecane 85.6 % 28-171

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Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP5 @ 1' (H601435-09)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	4160	16.0	07/01/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	18.5	10.0	06/30/2016	ND	187	93.3	200	0.787	

Surrogate: 1-Chlorooctane 78.3 % 35-147

Surrogate: 1-Chlorooctadecane 79.5 % 28-171

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Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP5 @ 3' (H601435-10)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 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	15600	16.0	07/01/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	16.1	10.0	06/30/2016	ND	187	93.3	200	0.787	

Surrogate: 1-Chlorooctane 80.1 % 35-147

Surrogate: 1-Chlorooctadecane 81.8 % 28-171

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Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP6 @ 1' (H601435-11)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	4720	16.0	07/01/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787	

Surrogate: 1-Chlorooctane 75.4 % 35-147

Surrogate: 1-Chlorooctadecane 73.7 % 28-171

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Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP6 @ 3' (H601435-12)

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	07/05/2016	ND	1.86	93.2	2.00	1.86		
Toluene*	<0.050	0.050	07/05/2016	ND	1.76	87.9	2.00	2.23		
Ethylbenzene*	<0.050	0.050	07/05/2016	ND	1.65	82.6	2.00	3.01		
Total Xylenes*	<0.150	0.150	07/05/2016	ND	5.08	84.7	6.00	2.73		
Total BTEX	<0.300	0.300	07/05/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	10900	16.0	07/01/2016	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	06/30/2016	ND	198	98.9	200	0.992		
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787		

Surrogate: 1-Chlorooctane 78.3 % 35-147

Surrogate: 1-Chlorooctadecane 80.8 % 28-171

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 Fax To: (575) 397-0397

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP7 @ 1' (H601435-13)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	4480	16.0	07/01/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	19.5	10.0	06/30/2016	ND	187	93.3	200	0.787	

Surrogate: 1-Chlorooctane 81.6 % 35-147

Surrogate: 1-Chlorooctadecane 83.2 % 28-171

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Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP7 @ 3' (H601435-14)

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	06/30/2016	ND	1.86	93.2	2.00	1.86		
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23		
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01		
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73		
Total BTEX	<0.300	0.300	06/30/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	7440	16.0	07/05/2016	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	06/30/2016	ND	198	98.9	200	0.992		
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787		

Surrogate: 1-Chlorooctane 81.1 % 35-147

Surrogate: 1-Chlorooctadecane 81.8 % 28-171

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* = 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:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP8 @ 1' (H601435-15)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	4240	16.0	07/05/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787	

Surrogate: 1-Chlorooctane 75.1 % 35-147

Surrogate: 1-Chlorooctadecane 79.9 % 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:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP8 @ 3' (H601435-16)

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	06/30/2016	ND	1.86	93.2	2.00	1.86		
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23		
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01		
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73		
Total BTEX	<0.300	0.300	06/30/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	8930	16.0	07/05/2016	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	06/30/2016	ND	198	98.9	200	0.992		
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787		

Surrogate: 1-Chlorooctane 86.0 % 35-147

Surrogate: 1-Chlorooctadecane 89.7 % 28-171

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Analytical Results For:

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

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP9 @ 1' (H601435-17)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 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	4320	16.0	07/05/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787	

Surrogate: 1-Chlorooctane 73.4 % 35-147

Surrogate: 1-Chlorooctadecane 88.3 % 28-171

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Analytical Results For:

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

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP9 @ 3' (H601435-18)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	9330	16.0	07/05/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787	

Surrogate: 1-Chlorooctane 82.6 % 35-147
Surrogate: 1-Chlorooctadecane 85.0 % 28-171

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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



Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Company Name: BBC International, Inc. **BILL TO** ANALYSIS REQUEST

Project Manager: Cliff Brunson P.O. #:

Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Company:

Phone #: 575-397-6388 Fax #: 575-397-0397 Attn: Address:

Project #: Project Owner: Barber State Con #11 City: State: Zip:

Project Name: Barber State Con #11 State: Zip:

Project Location: Jeff Omelas Phone #: Fax #:

FOR LAB USE ONLY

Lab I.D. Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS

MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER:

PRESERV: ACID/BASE, ICE / COOL, OTHER:

DATE TIME TP4 BTEX CL

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Relinquished By: [Signature] Date: Received By: [Signature] Date:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:



July 20, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BANTER STATE COM #4 H

Enclosed are the results of analyses for samples received by the laboratory on 07/11/16 10:25.

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.

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.

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:	07/11/2016	Sampling Date:	07/06/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 1 @ 5' (H601542-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	07/15/2016	ND	400	100	400	3.92	

Sample ID: SB 1 @ 7' (H601542-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	07/15/2016	ND	400	100	400	3.92	

Sample ID: SB 1 @ 9' (H601542-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	07/15/2016	ND	400	100	400	3.92	

Sample ID: SB 1 @ 15' (H601542-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/15/2016	ND	400	100	400	3.92	

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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	07/11/2016	Sampling Date:	07/06/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 1 @ 17' (H601542-05)

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	07/15/2016	ND	432	108	400	3.77	QM-07

Sample ID: SB 2 @ 5' (H601542-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10500	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 2 @ 9' (H601542-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7330	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 2 @ 12' (H601542-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 2 @ 15' (H601542-09)

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	07/15/2016	ND	432	108	400	3.77	

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Analytical Results For:

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

Received:	07/11/2016	Sampling Date:	07/06/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 2 @ 17' (H601542-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 5' (H601542-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13200	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 9' (H601542-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8260	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 15' (H601542-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 20' (H601542-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7330	16.0	07/15/2016	ND	432	108	400	3.77	

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

Received:	07/11/2016	Sampling Date:	07/06/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 3 @ 25' (H601542-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 30' (H601542-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 33' (H601542-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 35' (H601542-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 4 @ 5' (H601542-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9730	16.0	07/15/2016	ND	432	108	400	3.77	

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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:	07/11/2016	Sampling Date:	07/06/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 4 @ 7' (H601542-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8530	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 4 @ 9' (H601542-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8260	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 4 @ 12' (H601542-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 4 @ 15' (H601542-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 4 @ 17' (H601542-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/15/2016	ND	432	108	400	3.77	

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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:	07/11/2016	Sampling Date:	07/07/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 5 @ 5' (H601542-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	07/15/2016	ND	432	108	400	0.00	QM-07

Sample ID: SB 5 @ 9' (H601542-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8530	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 15' (H601542-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 20' (H601542-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 25' (H601542-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	07/15/2016	ND	432	108	400	0.00	

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Analytical Results For:

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

Received:	07/11/2016	Sampling Date:	07/07/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 5 @ 30' (H601542-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 35' (H601542-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 40' (H601542-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 45' (H601542-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 47' (H601542-34)

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	07/15/2016	ND	432	108	400	0.00	

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Analytical Results For:

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Received:	07/11/2016	Sampling Date:	07/07/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 6 @ 5' (H601542-35)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8260	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 6 @ 9' (H601542-36)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 6 @ 15' (H601542-37)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 6 @ 20' (H601542-38)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 6 @ 25' (H601542-39)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	07/15/2016	ND	432	108	400	0.00	

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Analytical Results For:

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Received:	07/11/2016	Sampling Date:	07/07/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 6 @ 30' (H601542-40)

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	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 6 @ 33' (H601542-41)

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	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 7 @ 5' (H601542-42)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9460	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 7 @ 7' (H601542-43)

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	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 7 @ 9' (H601542-44)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/15/2016	ND	432	108	400	0.00	

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Analytical Results For:

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

Received:	07/11/2016	Sampling Date:	07/07/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 7 @ 12' (H601542-45)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/15/2016	ND	400	100	400	0.00	

Sample ID: SB 8 @ 5' (H601542-46)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	07/15/2016	ND	400	100	400	0.00	

Sample ID: SB 8 @ 9' (H601542-47)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	07/15/2016	ND	400	100	400	0.00	

Sample ID: SB 8 @ 12' (H601542-48)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/15/2016	ND	400	100	400	0.00	

Sample ID: SB 8 @ 15' (H601542-49)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/15/2016	ND	400	100	400	0.00	

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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:	07/11/2016	Sampling Date:	07/07/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 9 @ 5' (H601542-50)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	07/15/2016	ND	400	100	400	0.00	

Sample ID: SB 9 @ 7' (H601542-51)

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	07/15/2016	ND	400	100	400	0.00	

Sample ID: SB 9 @ 9' (H601542-52)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/15/2016	ND	400	100	400	0.00	

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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





ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1076

Company Name: BBC International, Inc.

BILL TO

ANALYSIS REQUEST

Project Manager: Cliff Brunson

P.O. #:

Address: P.O. Box 805

Company: C.O.G

City: Hobbs

State: NM Zip: 88241

Attn:

Phone #: 575-397-6388

Fax #: 575-397-0397

Address:

Project #:

Project Owner: C.O.G

City:

Project Name:

BAUTER STATE CON # 4H

State:

Zip:

Project Location:

Phone #:

Sampler Name:

JEFF ORNELAS

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

HW01542

SBI @ 5'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

CHLORIDE

1	SBI @ 5'	✓	✓	✓	✓	✓	✓	✓	✓	7.6.16	1230	✓							
2	@ 7'	✓	✓	✓	✓	✓	✓	✓	✓	7.6.16	1237	✓							
3	@ 9'	✓	✓	✓	✓	✓	✓	✓	✓	7.6.16	1249	✓							
4	@ 15'	✓	✓	✓	✓	✓	✓	✓	✓	7.6.16	119	✓							
5	@ 17'	✓	✓	✓	✓	✓	✓	✓	✓	7.6.16	126	✓							
6	SBI @ 3'	✓	✓	✓	✓	✓	✓	✓	✓	7.6.16	130	✓							
7	@ 9'	✓	✓	✓	✓	✓	✓	✓	✓	7.6.16	150	✓							
8	@ 12'	✓	✓	✓	✓	✓	✓	✓	✓	7.6.16	155	✓							
9	@ 15'	✓	✓	✓	✓	✓	✓	✓	✓	7.6.16	200	✓							
10	@ 17'	✓	✓	✓	✓	✓	✓	✓	✓	7.6.16	205	✓							

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Relinquished By:

Date: 7-16

Received By:

Phone Result: Yes No

Fax Result: Yes No

REMARKS:

Relinquished By:

Date: 7-16

Received By:

Phone Result: Yes No

Fax Result: Yes No

REMARKS:

Relinquished By:

Date: 7-16

Received By:

Phone Result: Yes No

Fax Result: Yes No

REMARKS:

Relinquished By:

Date: 7-16

Received By:

Phone Result: Yes No

Fax Result: Yes No

REMARKS:

Delivered By: (Circle One)

Date: 7-16

Received By:

Phone Result: Yes No

Fax Result: Yes No

REMARKS:

Sampler - UPS - Bus - Other:

Date: 7-16

Received By:

Phone Result: Yes No

Fax Result: Yes No

REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#75



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2016

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:	
Project Manager: Cliff Brunson		Company: C.O.G	
Address: P.O. Box 805		Attn:	
City: Hobbs		Address:	
Phone #: 575-397-6388		City:	
State: NM Zip: 88241		State:	
Fax #: 575-397-0397		Zip:	
Project #: Project Owner: C.O.G		Project Name: BAUTER STATE Can # 414	
Project Location:		Project Location:	
Sampler Name: JEFF DANIELS		Fax #:	
FOR LAB USE ONLY		PRESERV	
Lab I.D.		SAMPLING	
Sample I.D.		DATE	
H0015412		TIME	
11 SB3 @ 5'		210	
12 @ 15'		226	
13 @ 20'		247	
14 @ 25'		307	
15 @ 30'		315	
16 @ 33'		325	
17 @ 35'		333	
18 SB4 @ 5'		339	
19		345	
20		357	
(G)RAB OR (C)OMP.		Chloride	
# CONTAINERS			
GROUNDWATER			
WASTEWATER			
SOIL			
OIL			
SLUDGE			
OTHER :			
ACID/BASE:			
ICE / COOL			
OTHER :			
DATE			
TIME			
210			
226			
247			
307			
315			
325			
333			
339			
345			
357			

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 7/16	Received By:	Date: 7/16
Time: 3:00pm		Time: 3:00pm	
Relinquished By: [Signature]		Received By: [Signature]	
Delivered By: (Circle One)	UPS	Sample Condition	Intact
Sampler - UPS - Bus - Other:	2.9g	Cool	Yes
		Intact	Yes
		No	No
		Checked By: [Signature]	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #75



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: CGE
 Project Name: Barber #9H
 Project Location:
 Sampler Name:
 FOR LAB USE ONLY

P.O. #: Company:
 Attn: Address:
 City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :									
H061542	SB5 @ 35-	G 1	1							7.7.16	8:53							
	32 @ 40-	G 1	1							7.7.16	9:02							
	33 @ 45-	G 1	1							7.7.16	9:11							
	34 @ 47-	G 1	1							7.7.16	9:25							
	SB6 @ 5-	G 1	1							7.7.16	9:39							
	35 @ 9-	G 1	1							7.7.16	10:00							
	36 @ 15-	G 1	1							7.7.16	10:15							
	37 @ 20-	G 1	1							7.7.16	10:25							
	38 @ 25-	G 1	1							7.7.16	10:33							
	39 @ 30-	G 1	1							7.7.16	10:40							

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Relinquished By: [Signature] Date: 7/16/16 Type: 5:00pm
 Received By: [Signature] Date: 7/16/16 Time: 10:35 AM
 Delivered By: (Circle One) [Signature] 2:40
 Sampler - UPS - Bus - Other: [Signature] #75

Sample Condition: Cool Yes No, Intact Yes No
 CHECKED BY: [Signature]
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

59

Company Name: BBC International, Inc.		P.O. #:		BILL TO		ANALYSIS REQUEST					
Project Manager: Cliff Brunson		Company: C.O.G									
Address: P.O. Box 805		Attn:									
City: Hobbs		Address:									
Phone #: 575-397-6388		City:									
Project #:		State:									
Project Name: BAUTER State Con # 4H		Zip:									
Project Location:		Phone #:									
Sampler Name:		Fax #:									
FOR LAB USE ONLY		PRESERV.		SAMPLING							
Lab I.D. H100154Z		MATRIX		DATE		TIME					
Sample I.D.		PRESERV.		DATE		TIME					
41 SBV @ 33-		(G)RAB OR (C)OMP.		9/2/16		10:50		✓			
42 SB7 @ 5-		# CONTAINERS		9/9/16		10:57		✓			
43 @ 7-		GROUNDWATER		9/9/16		11:05		✓			
44 @ 9-		WASTEWATER		9/9/16		11:11		✓			
45 @ 12-		SOIL		9/9/16		11:19		✓			
SB8 @ 5-		OIL		9/9/16		11:21		✓			
@ 9-		SLUDGE		9/9/16		11:40		✓			
@ 12-		OTHER :		9/9/16		11:45		✓			
@ 15-		ACID/BASE:		9/9/16		11:53		✓			
SB9 @ 5-		ICE / COOL		9/9/16		12:01		✓			
		OTHER :									

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Relinquished By: _____ Date: 9/17/16 Time: 2:00 PM

Received By: _____ Date: 9/17/16 Time: 2:00 PM

Relinquished By: _____ Date: 9/17/16 Time: 2:00 PM

Received By: _____ Date: 9/17/16 Time: 2:00 PM

Delivered By: (Circle One) UPS Bus Other: _____

Sample Condition: Cool Intact Yes No

CHECKED BY: _____ (Initials)

REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#75



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
Project Manager: Cliff Brunson
Address: P.O. Box 805
City: Hobbs
Phone #: 575-397-6388
Project #:

State: NM zip: 88241
Fax #: 575-397-0397
Project Owner: C.O.G

Project Name: BAUTER STAB Cem #4H
Project Location:

Sampler Name:
FOR LAB USE ONLY

P.O. #:
Company: C.O.G
Attn:
Address:
City:
State:
Zip:

Phone #:
Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H001592	SB9Q@7-	G	1							7-7-16	1212	Chloride
51	@9-	G	1							7-7-16	1215	
52												

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 the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *[Signature]* Date: 7/7/16 Time: 5:00pm
 Received By: *[Signature]* Date: 7/7/16 Time: 2:00pm
 Delivered By: (Circle One) UPS Bus Other: *2:00*
 Sample Condition: Intact Cool Yes No
 CHECKED BY: *[Signature]*
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #75

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:	BANTER STATE COM #004H	Facility Type:	Flowline
Surface Owner:	State	Mineral Owner:	API No. 30-025-42519

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	13	23S	34E	190	North	660	West	Lea
Latitude 32.3113641579966					Longitude 103.430114430204			

NATURE OF RELEASE

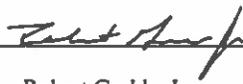
Type of Release:	Produced Water	Volume of Release:	3900bbbls of Produced Water	Volume Recovered:	Obbbls of Produced Water
Source of Release:	4" Polyline	Date and Hour of Occurrence:	06-14-2016 3:00pm	Date and Hour of Discovery:	06-14-2016 3:00pm
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Robert Grubbs Jr	Date and Hour: 06-15-2016 4:29pm			
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.*
A bad section of 4" polyline, replaced with a new section of polyline.

Describe Area Affected and Cleanup Action Taken.*
This release occurred on a 4" polyline in 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:	Robert Grubbs Jr.	Approved by Environmental Specialist:	
Title:	Senior Environmental Coordinator	Approval Date:	Expiration Date:
E-mail Address:	rgrubbs@concho.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date:	06-22-2016		

* Attach Additional Sheets If Necessary