



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

COG (CONCHO) – HOLDER CB FEDERAL #1 BATTERY

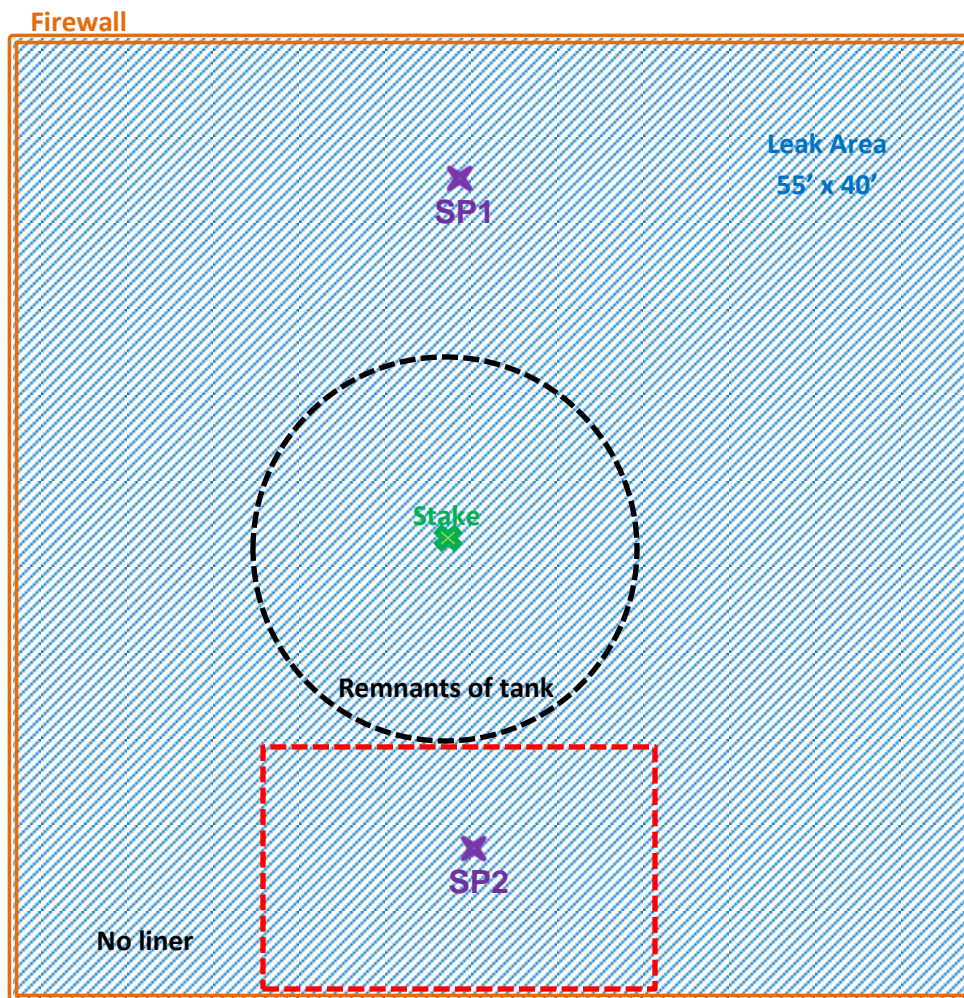
REMEDIATION PLAN

COG will excavate the spill area as depicted on the following site diagram. The entire spill area will be excavated to a depth of 2 feet. In the area of SP2, an additional 2 feet will be excavated and stockpiled then 1 foot of soil will be excavated and disposed of. The stockpiled soil will be placed back into the deeper excavation area and then the entire site will be backfilled with clean soil.

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



Concho
Holder CB Federal #1 Battery



2' Excavation across
entire leak area

Excavate an additional 2' and stockpile the material, then
remove an additional 1' in the hotspot and dispose of the
material. Next, backfill the excavation with the stockpile
material. Finally, backfill the entire site.

U/L E, Section 17, T17S, R30E

Eddy County, NM

N 32.83824° W 104.00066°

API# 30-015-20708

BBC International, Inc.

Concho
Holder CB Federal #1 Battery

Date: 11/2/15

DRWG by: K. Purvis

NOT TO SCALE

File: Concho 2015



Groundwater Plot

Concho Holder CB Federal #1 Battery

County
Eddy

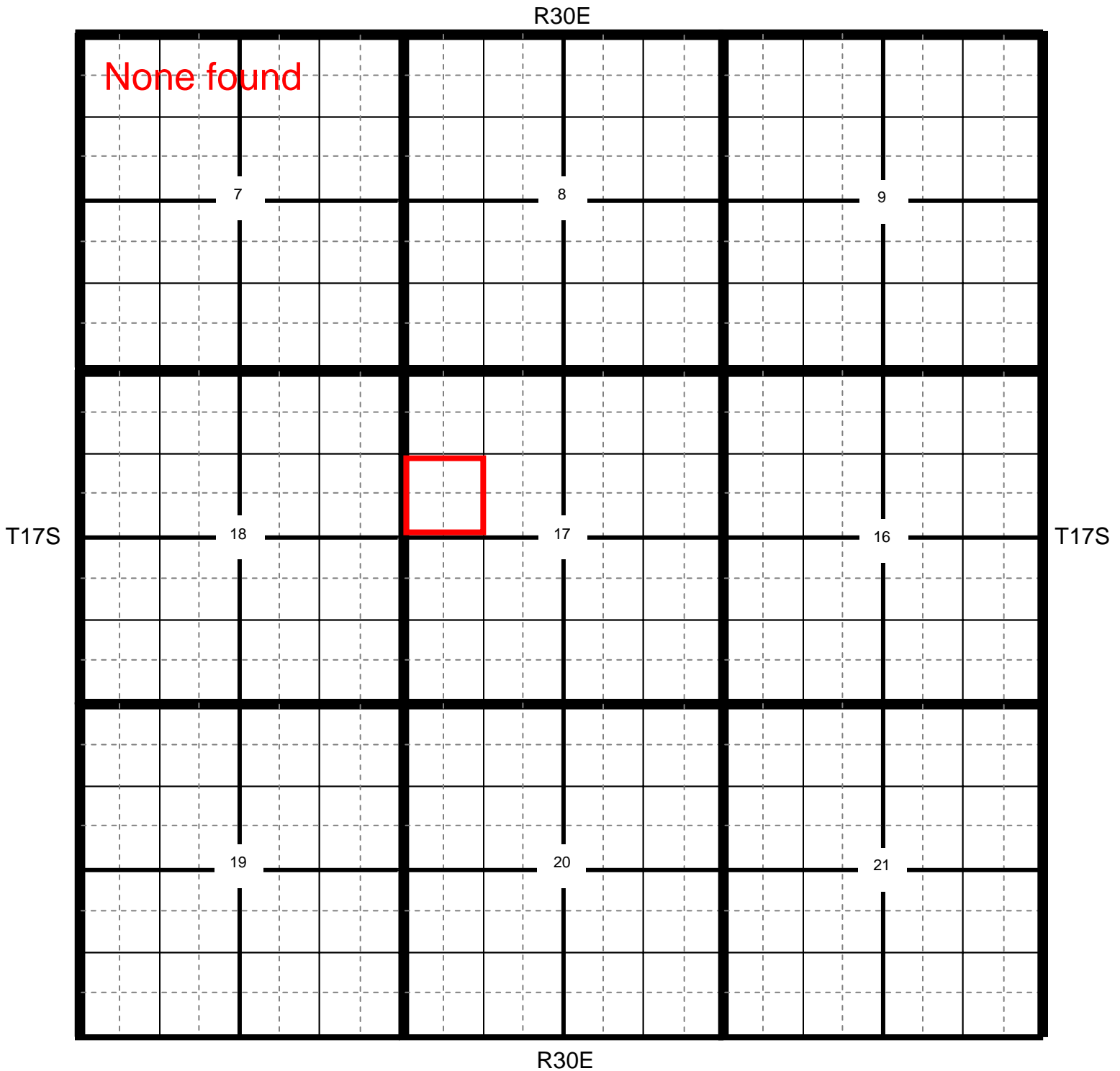
Unit Letter
E

Section
17

Township
T17S

Range
R30E

Trend Map 350'



📍 Location

● OCD

● USGS

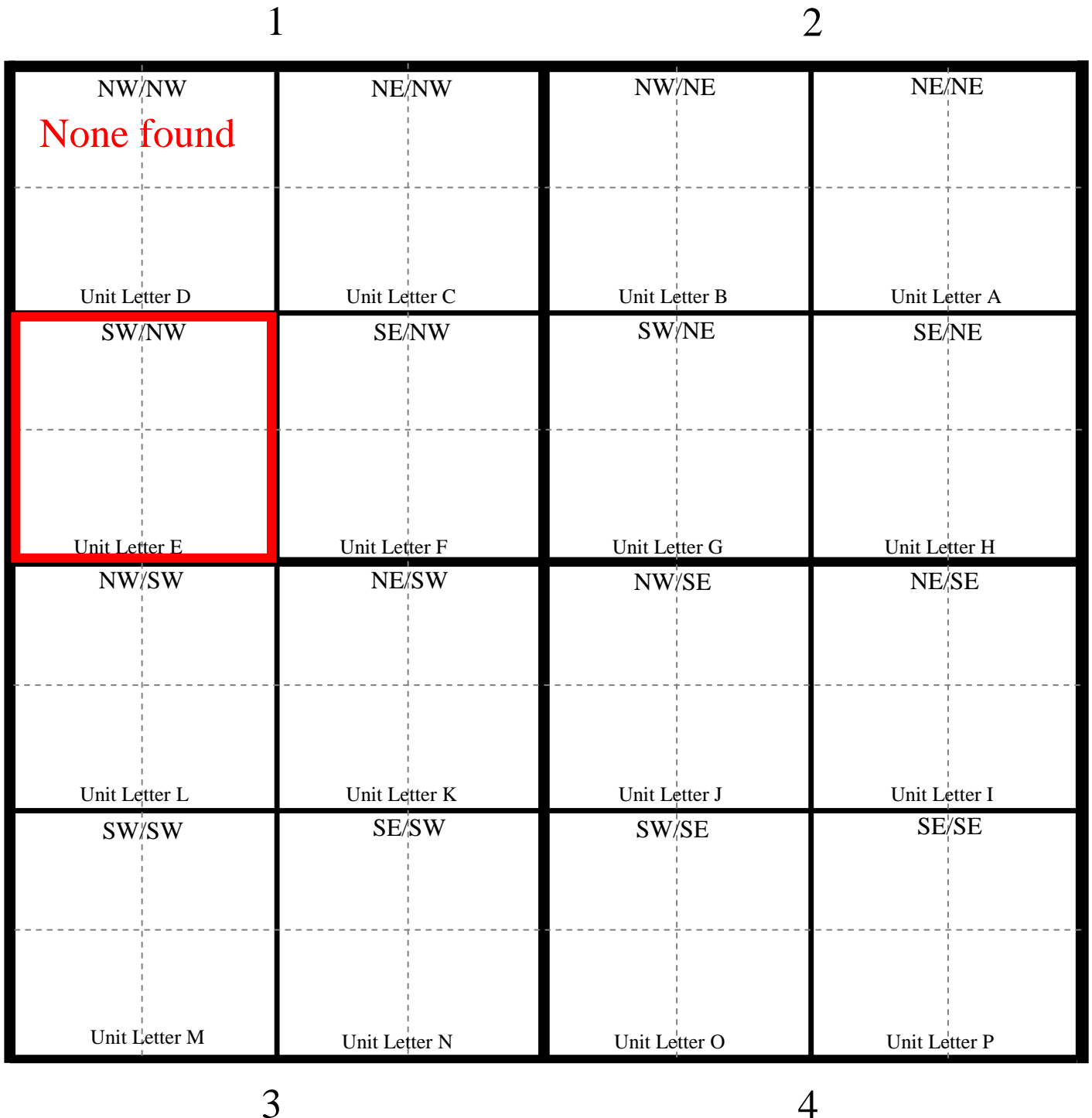
● SEO

● All Databases

Concho Holder CB Federal #1 Battery

County Eddy	Unit Letter E	Section 17	Township 17S	Range 30E
-----------------------	-------------------------	----------------------	------------------------	---------------------

Trend Map 350'



**Laboratory Analytical Results Summary
Holder CB Federal #1 Battery**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'
Analyte	Method	Date	11/6/15	11/6/15	11/6/15	11/6/15	11/6/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	0.648	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		2.87	18.9	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		4.96	25	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		9.13	41.2	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		16.9	85.7	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		2600	128	48	704	96
GRO	TPH 8015M		176	728	<10.0	<10.0	<10.0
DRO	TPH 8015M		1090	3050	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 5'	SP2 @ 7'
Analyte	Method	Date	11/6/15	11/6/15	11/6/15	11/6/15	11/6/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	7.31	<0.050
Toluene	BTEX 8021B		0.15	9.72	<0.050	112	<0.050
Ethylbenzene	BTEX 8021B		0.486	15.3	<0.050	94.6	<0.050
Total Xylenes	BTEX 8021B		1.15	25.7	<0.150	138	<0.150
Total BTEX	BTEX 8021B		1.79	50.7	<0.300	352	<0.300
Chloride	SM4500Cl-B		1150	112	64	2200	112
GRO	TPH 8015M		79.4	653	<10.0	2530	<10.0
DRO	TPH 8015M		774	3000	<10.0	7890	<10.0

November 13, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HOLDER CB FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 11/09/15 9:08.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	11/09/2015	Sampling Date:	11/06/2015
Reported:	11/13/2015	Sampling Type:	Soil
Project Name:	HOLDER CB FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ 1' (H502957-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/11/2015	ND	2.03	102	2.00	2.29	
Toluene*	2.87	0.100	11/11/2015	ND	2.24	112	2.00	3.59	
Ethylbenzene*	4.96	0.100	11/11/2015	ND	2.07	103	2.00	4.73	
Total Xylenes*	9.13	0.300	11/11/2015	ND	6.52	109	6.00	4.56	
Total BTX	16.9	0.600	11/11/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	2600	16.0	11/11/2015	ND	384	96.0	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	176	10.0	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	1090	10.0	11/10/2015	ND	176	87.9	200	7.82	

Surrogate: 1-Chlorooctane 105 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	11/09/2015	Sampling Date:	11/06/2015
Reported:	11/13/2015	Sampling Type:	Soil
Project Name:	HOLDER CB FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ 2' (H502957-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.648	0.500	11/11/2015	ND	2.03	102	2.00	2.29	
Toluene*	18.9	0.500	11/11/2015	ND	2.24	112	2.00	3.59	
Ethylbenzene*	25.0	0.500	11/11/2015	ND	2.07	103	2.00	4.73	
Total Xylenes*	41.2	1.50	11/11/2015	ND	6.52	109	6.00	4.56	
Total BTX	85.7	3.00	11/11/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/11/2015	ND	384	96.0	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	728	50.0	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	3050	50.0	11/10/2015	ND	176	87.9	200	7.82	

Surrogate: 1-Chlorooctane 135 % 35-147

Surrogate: 1-Chlorooctadecane 127 % 28-171

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

Received:	11/09/2015	Sampling Date:	11/06/2015
Reported:	11/13/2015	Sampling Type:	Soil
Project Name:	HOLDER CB FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ 3' (H502957-03)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2015	ND	2.03	102	2.00	2.29		
Toluene*	<0.050	0.050	11/11/2015	ND	2.24	112	2.00	3.59		
Ethylbenzene*	<0.050	0.050	11/11/2015	ND	2.07	103	2.00	4.73		
Total Xylenes*	<0.150	0.150	11/11/2015	ND	6.52	109	6.00	4.56		
Total BTX	<0.300	0.300	11/11/2015	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/11/2015	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	<10.0	10.0	11/10/2015	ND	176	87.9	200	7.82	

Surrogate: 1-Chlorooctane 86.1 % 35-147

Surrogate: 1-Chlorooctadecane 91.3 % 28-171

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Received:	11/09/2015	Sampling Date:	11/06/2015
Reported:	11/13/2015	Sampling Type:	Soil
Project Name:	HOLDER CB FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ 5' (H502957-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2015	ND	2.03	102	2.00	2.29		
Toluene*	<0.050	0.050	11/11/2015	ND	2.24	112	2.00	3.59		
Ethylbenzene*	<0.050	0.050	11/11/2015	ND	2.07	103	2.00	4.73		
Total Xylenes*	<0.150	0.150	11/11/2015	ND	6.52	109	6.00	4.56		
Total BTEx	<0.300	0.300	11/11/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	11/11/2015	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	<10.0	10.0	11/10/2015	ND	176	87.9	200	7.82	

Surrogate: 1-Chlorooctane 77.7 % 35-147

Surrogate: 1-Chlorooctadecane 83.5 % 28-171

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

Received:	11/09/2015	Sampling Date:	11/06/2015
Reported:	11/13/2015	Sampling Type:	Soil
Project Name:	HOLDER CB FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 1 @ 7' (H502957-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/11/2015	ND	2.03	102	2.00	2.29	
Toluene*	<0.050	0.050	11/11/2015	ND	2.24	112	2.00	3.59	
Ethylbenzene*	<0.050	0.050	11/11/2015	ND	2.07	103	2.00	4.73	
Total Xylenes*	<0.150	0.150	11/11/2015	ND	6.52	109	6.00	4.56	
Total BTX	<0.300	0.300	11/11/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.6-140

Chloride, SM4500CI-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	11/11/2015	ND	384	96.0	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	<10.0	10.0	11/10/2015	ND	176	87.9	200	7.82	

Surrogate: 1-Chlorooctane 89.8 % 35-147

Surrogate: 1-Chlorooctadecane 96.2 % 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:	11/09/2015	Sampling Date:	11/06/2015
Reported:	11/13/2015	Sampling Type:	Soil
Project Name:	HOLDER CB FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 @ 1' (H502957-06)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/11/2015	ND	2.03	102	2.00	2.29	
Toluene*	0.150	0.050	11/11/2015	ND	2.24	112	2.00	3.59	
Ethylbenzene*	0.486	0.050	11/11/2015	ND	2.07	103	2.00	4.73	
Total Xylenes*	1.15	0.150	11/11/2015	ND	6.52	109	6.00	4.56	
Total BTX	1.79	0.300	11/11/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	11/11/2015	ND	384	96.0	400	8.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	79.4	10.0	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	774	10.0	11/10/2015	ND	176	87.9	200	7.82	

Surrogate: 1-Chlorooctane 97.2 % 35-147

Surrogate: 1-Chlorooctadecane 99.0 % 28-171

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

Received:	11/09/2015	Sampling Date:	11/06/2015
Reported:	11/13/2015	Sampling Type:	Soil
Project Name:	HOLDER CB FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 @ 2' (H502957-07)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/11/2015	ND	2.03	102	2.00	2.29	
Toluene*	9.72	0.500	11/11/2015	ND	2.24	112	2.00	3.59	
Ethylbenzene*	15.3	0.500	11/11/2015	ND	2.07	103	2.00	4.73	
Total Xylenes*	25.7	1.50	11/11/2015	ND	6.52	109	6.00	4.56	
Total BTX	50.7	3.00	11/11/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/11/2015	ND	384	96.0	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	653	50.0	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	3000	50.0	11/10/2015	ND	176	87.9	200	7.82	

Surrogate: 1-Chlorooctane 136 % 35-147

Surrogate: 1-Chlorooctadecane 132 % 28-171

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*=Accredited Analyte

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

Received:	11/09/2015	Sampling Date:	11/06/2015
Reported:	11/13/2015	Sampling Type:	Soil
Project Name:	HOLDER CB FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 @ 3' (H502957-08)

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	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	<0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEx	<0.300	0.300	11/12/2015	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/11/2015	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	<10.0	10.0	11/10/2015	ND	176	87.9	200	7.82	

Surrogate: 1-Chlorooctane 89.7 % 35-147

Surrogate: 1-Chlorooctadecane 96.8 % 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:	11/09/2015	Sampling Date:	11/06/2015
Reported:	11/13/2015	Sampling Type:	Soil
Project Name:	HOLDER CB FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 @ 5' (H502957-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	7.31	2.00	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	112	2.00	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	94.6	2.00	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	138	6.00	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	352	12.0	11/12/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	2200	16.0	11/11/2015	ND	384	96.0	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2530	100	11/10/2015	ND	184	92.2	200	4.70		
DRO >C10-C28	7890	100	11/10/2015	ND	176	87.9	200	7.82		

Surrogate: 1-Chlorooctane 141 % 35-147

Surrogate: 1-Chlorooctadecane 191 % 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:	11/09/2015	Sampling Date:	11/06/2015
Reported:	11/13/2015	Sampling Type:	Soil
Project Name:	HOLDER CB FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS, NM		

Sample ID: SP 2 @ 7' (H502957-10)

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	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	<0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEx	<0.300	0.300	11/12/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/11/2015	ND	384	96.0	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	<10.0	10.0	11/10/2015	ND	176	87.9	200	7.82	

Surrogate: 1-Chlorooctane 87.0 % 35-147

Surrogate: 1-Chlorooctadecane 93.9 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

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

NM OIL CONSERVATION
ARTESIA DISTRICT

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NOV 13 2015 Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: COG Operating LLC <i>224/137</i>	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: Holder CB Federal #1 Battery	Facility Type: Battery
Surface Owner: Federal	Mineral Owner: API No. 30-015-20708

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	17	17S	30E	1980	North	660	West	Eddy

Latitude: 32.836441 Longitude: -104.0006332

NATURE OF RELEASE

Type of Release: Crude Oil/Produced Water	Volume of Release: 2 B/O; 8 B/PW	Volume Recovered: 1 B/O; 5 B/PW
Source of Release: Lightning Strike	Date and Hour of Occurrence: 10-7-2015 7:00 PM	Date and Hour of Discovery: 10-7-2015
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher	
By Whom? Lupe Carrasco	Date and Hour: 10-8-2015 3:55 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The release was due to a lightning strike resulting in the release of fluid. Once the fire was extinguished, vacuum trucks were dispatched to recover the standing fluid.

Describe Area Affected and Cleanup Action Taken.*

The release remained within the bermed facility. 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: <i>A. Trujillo</i>	OIL CONSERVATION DIVISION	
Printed Name: Amanda Trujillo Davis	Approved by Environmental Specialist <i>[Signature]</i>	
Title: Senior Environmental Coordinator	Approval Date: 11/16/15	Expiration Date: N/A
E-mail Address: atrujillo@concho.com	Conditions of Approval:	
Date: October 21, 2015 Phone: 575-748-6940	Remediation per O.C.D. Rules & Guidelines <input type="checkbox"/> Attached	

* Attach Additional Sheets If Necessary

SUBMIT REMEDIATION PROPOSAL NO
LATER THAN: 12/17/15

2RP-8400