

Closure Report

Site Description

Site Name:	CCAP State Com #002
Company:	COG Operating LLC
Legal Description:	U/L O, Section 16, T22S, R27E
County:	Eddy County, NM
GPS Coordinates:	N 32.38799° W 104.19135°

Release Data

Date of Release:	09/06/2016
Type of Release:	Oil and produced water
Source of Release:	Oil tank
Volume of Release:	5 bbls oil, 50 bbls produced water
Volume Recovered:	5 bbls oil, 50 bbls produced water

Remediation Specifications

Remediation Parameters:	In the area of SP1, the 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.	
Remediation Activities:	02/17/2017 to 02/23/2017	
Plan Sent to OCD:	02/07/2017	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	02/09/2017	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation

Initial C-141	Signed 09/08/2016
Final C-141	Signed 04/04/2017
Site Diagram	January 2017
Groundwater Plot	<50'
TOPO Maps	January 2017
Lab Summary	01/13/2017
Lab Analysis	01/13/2017
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

04/07/2016

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:	
Date:	September 8, 2016	Phone:	432-683-7443
		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

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State of New Mexico
Energy Minerals and Natural Resources

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1220 South St. Francis Dr.
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Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland, TX 79701	Telephone No. 432-685-4304
Facility Name: CCAP State Com #002	Facility Type: Tank Battery

Surface Owner: Fee	Mineral Owner:	API No. 30-015-31567
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LOCATION OF RELEASE

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

Latitude N 32.38799° Longitude W 104.19135°

NATURE OF RELEASE

Type of Release: Oil & Produced water	Volume of Release: 5 bbls oil, 50 bbls produced water	Volume Recovered: 5 bbls oil, 50 bbls produced water
Source of Release: Oil Tank	Date and Hour of Occurrence 09/06/2016 @ 12:00 pm	Date and Hour of Discovery 09/06/2016 @ 12:00 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher- NMOCD, Amber Groves- NMSLO	
By Whom? Robert Grubbs Jr.	Date and Hour: 09/07/2016 @ 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 caused by corrosion. Production fluid was moved to another tank. A vacuum truck recovered all free-standing fluids.

Describe Area Affected and Cleanup Action Taken.*

The release occurred within the lined facility. A vacuum truck removed all the free standing fluids. The site was delineated and the results were used to compose a remediation plan. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 02/09/2017.

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.

OIL CONSERVATION DIVISION

Signature: 

Printed Name: Robert Grubbs

Approved by Environmental Specialist:

Title: Senior Environmental Coordinator

Approval Date:

Expiration Date:

E-mail Address: rgrubbs@concho.com

Conditions of Approval:

Attached ☐









Date: 4/4/17 Phone: (432) 683-7443

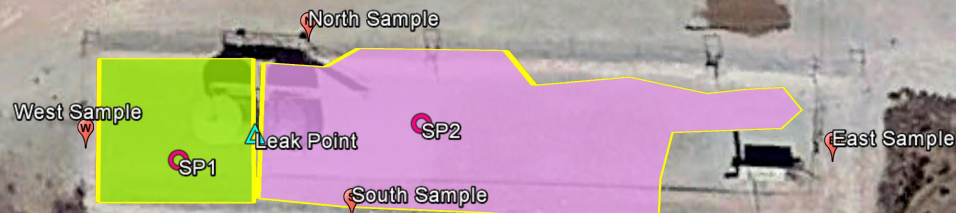
* Attach Additional Sheets If Necessary

COG, CCAP State Com #002

Leak Date: 09/06/2016
Eddy County, NM
API# 30-015-31567
RP# 2RP-3881

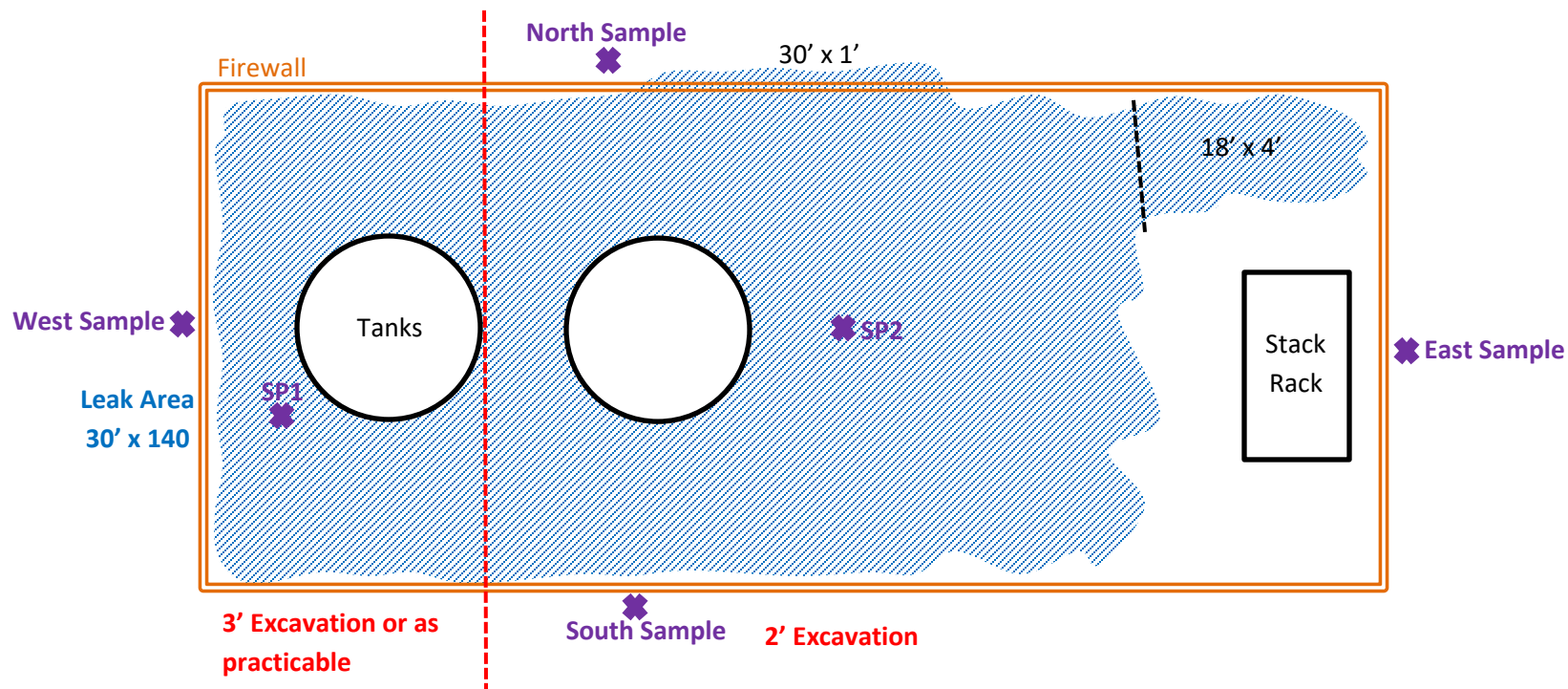
Legend

-  East Sample, Hand Auger
-  Leak Point
-  North Sample, Hand Auger
-  Sample Points, Hand Auger
-  South Sample, Hand Auger
-  Spill Area, 2 ft Excavation
-  Spill Area, 3 ft Excavation as practicable
-  West Sample, Hand Auger





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

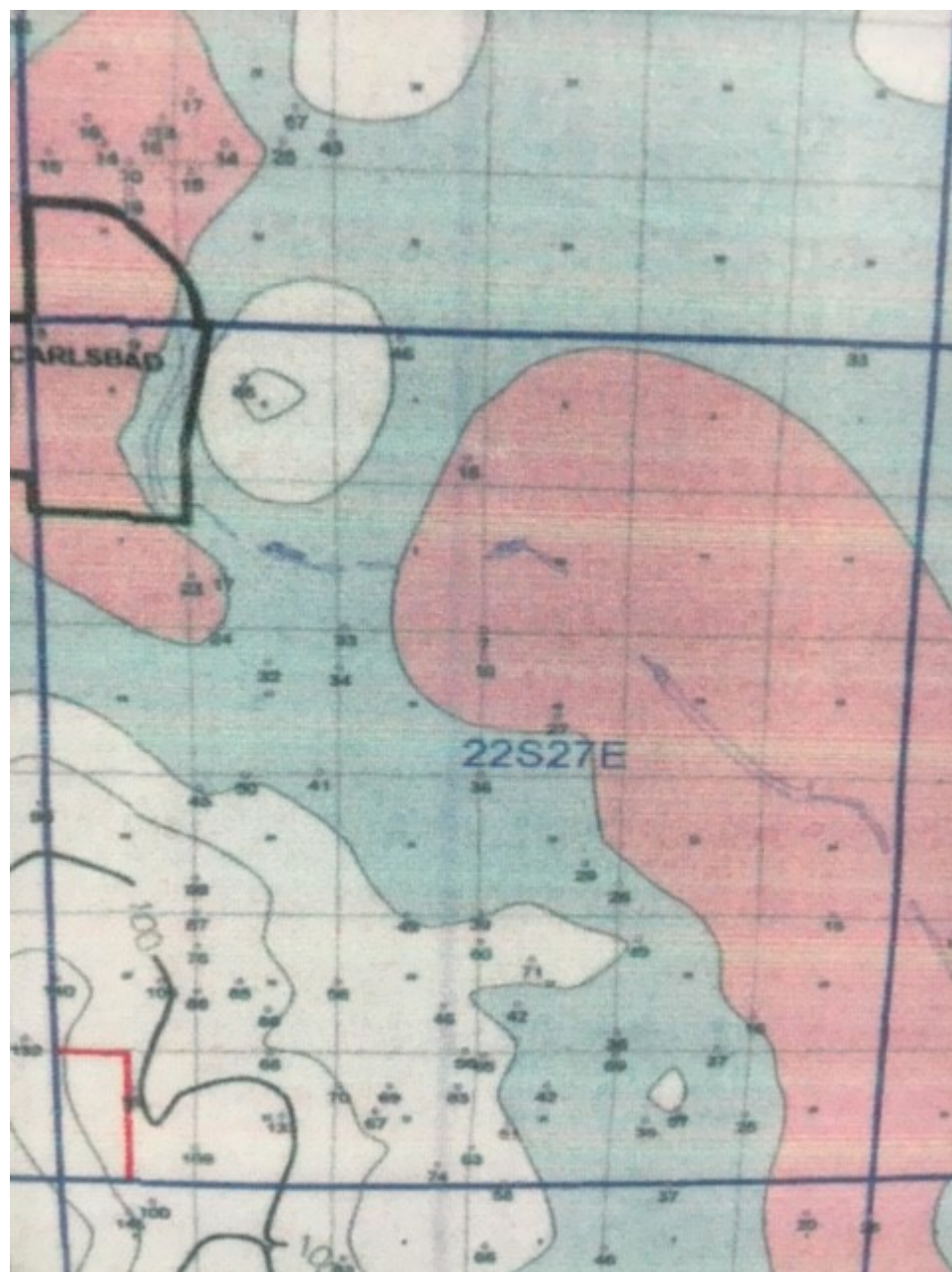
CCAP State Com #002

Date: 01/04/2017

DRWG by: K. Purvis

NOT TO SCALE

File: COG 2016





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_01010		C	ED	4	3	16	22S	27E	575519	3583617*	<input type="checkbox"/>	405	150		
C_03480 POD1		C	ED	3	2	3	16	22S	27E	575466	3583961	<input type="checkbox"/>	570	74	41 33
C_00760		C	ED				16	22S	27E	575717	3584215*	<input type="checkbox"/>	628	72	44 28
C_00747			ED	3	3	2	21	22S	27E	575828	3582709*	<input type="checkbox"/>	918	148	85 63
C_00747 CLW198561	O		ED	3	3	2	21	22S	27E	575828	3582709*	<input type="checkbox"/>	918	148	
C_01110		C	ED	3	1	3	16	22S	27E	575011	3583917*	<input type="checkbox"/>	959	97	
C_01407			ED	3	3	1	16	22S	27E	575009	3584324*	<input type="checkbox"/>	1153	86	
C_01853		C	ED		1	2	16	22S	27E	575918	3584841*	<input type="checkbox"/>	1219	55	42 13
C_02259		C	ED		2	4	21	22S	27E	576335	3582410*	<input type="checkbox"/>	1279	60	45 15
C_02558		C	ED		2	4	21	22S	27E	576335	3582410*	<input type="checkbox"/>	1279	55	36 19
C_00403		C	ED		2	1	16	22S	27E	575513	3584836*	<input type="checkbox"/>	1281	106	34 72
C_00701		C	ED		2	1	16	22S	27E	575513	3584836*	<input type="checkbox"/>	1281	65	34 31
C_01560		C	ED		2	1	16	22S	27E	575513	3584836*	<input type="checkbox"/>	1281	80	37 43
C_01861		C	ED		2	1	16	22S	27E	575513	3584836*	<input type="checkbox"/>	1281	60	
C_00102		CUB	ED	1	3	1	16	22S	27E	575009	3584524*	<input type="checkbox"/>	1284	164	70 94
C_01545		C	ED	1	3	1	16	22S	27E	575009	3584524*	<input type="checkbox"/>	1284	90	
C_00016		CUB	ED	3	3	1	21	22S	27E	575018	3582698	<input type="checkbox"/>	1294	167	
C_00016 CLW202898	O		ED	3	3	1	21	22S	27E	575018	3582698*	<input type="checkbox"/>	1294	209	
C_00357		C	ED	4	4	2	17	22S	27E	574804	3584318*	<input type="checkbox"/>	1318	170	50 120
C_01097		C	ED	1	1	2	16	22S	27E	575817	3584940*	<input type="checkbox"/>	1322	155	38 117
C_02961		C	ED	3	1	4	21	22S	27E	575830	3582303*	<input type="checkbox"/>	1322	150	70 80
C_00576		CUB	ED	3	1	1	15	22S	27E	576628	3584749*	<input type="checkbox"/>	1328	119	184 -65
C_00693		C	ED	2	2	1	16	22S	27E	575612	3584935*	<input type="checkbox"/>	1349	70	34 36
C_00613		C	ED	4	2	4	21	22S	27E	576434	3582309*	<input type="checkbox"/>	1408	100	60 40
C_00273		C	ED	1	2	1	16	22S	27E	575412	3584935*	<input type="checkbox"/>	1409	100	
C_00267		C	ED	3	1	1	16	22S	27E	575007	3584730*	<input type="checkbox"/>	1438	54	42 12
C_02242		CUB	ED	1	1	4	15	22S	27E	577186	3584336	<input type="checkbox"/>	1450	150	22 128
C_02512		C	ED		1	3	22	22S	27E	576740	3582415*	<input type="checkbox"/>	1456	68	38 30
C_02512 POD2		C	ED		1	3	22	22S	27E	576740	3582415*	<input type="checkbox"/>	1456	142	57 85
C_00614		C	ED	3	1	3	22	22S	27E	576639	3582314*	<input type="checkbox"/>	1490	95	60 35

C_00480		C	ED	3	4	2	17	22S	27E	574604	3584318*	<input type="text"/>	1492	200		
C_00576.S		CUB	ED	2	4	1	15	22S	27E	577235	3584550	<input type="text"/>	1606	172	48	124
C_00021.A		CUB	ED	4	4	4	09	22S	27E	576421	3585150*	<input type="text"/>	1606	196	40	156
C_00021.CLW193276	O		ED	4	4	4	09	22S	27E	576421	3585150*	<input type="text"/>	1606	100		
C_02374		C	ED		3	4	09	22S	27E	575916	3585247*	<input type="text"/>	1625	54	15	39
C_02379		C	ED		3	4	09	22S	27E	575916	3585247*	<input type="text"/>	1625	55	20	35
C_03029		C	ED		3	4	09	22S	27E	575916	3585247*	<input type="text"/>	1625	45	18	27
C_01504		C	ED	4	3	2	17	22S	27E	574399	3584313*	<input type="text"/>	1674	65	45	20
C_00092		CUB	ED	4	3	3	09	22S	27E	575205	3585137*	<input type="text"/>	1676	70	40	30
C_00092.CLW193601	O		ED	4	3	3	09	22S	27E	575205	3585137*	<input type="text"/>	1676	90	40	50
C_00092.CLW193956	O		ED	4	3	3	09	22S	27E	575205	3585137*	<input type="text"/>	1676	90	40	50
C_00092.CLW193966	O		ED	4	3	3	09	22S	27E	575205	3585137*	<input type="text"/>	1676	90	40	50
C_00700		CUB	ED	3	3	2	15	22S	27E	577441	3584355*	<input type="text"/>	1684	132		

Average Depth to Water:47 feet

Minimum Depth:15 feet

Maximum Depth:184 feet

Record Count: 43

UTMNAD83 Radius Search (in meters):

Easting (X): 575924

Northing (Y): 3583622

Radius: 1700

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

4/7/17 10:57 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Public Land Survey System (PLSS)

Q64:Q16: SWQ4: SESec: 16Tws: 22SRng: 27E

State Plane Coordinate System - NAD27

X:ftY:ftZone:

State Plane Coordinate System - NAD83

X:ftY:ftZone:

Degrees/Minutes/Seconds

Longitude (X):Degrees: °Minutes: 'Seconds: "

Latitude (Y):Degrees: °Minutes: 'Seconds: "

UTM - NAD27

Easting (X):mtrs Northing (Y):mtrs Zone:

SUBMIT

All Conversion Results are displayed as NAD 1983 UTM Zone 13

Easting (X):575924.0mtrsNorthing (Y):3583622.0mtrs

~~ Please keep screen open to copy UTM values for Reports. ~~



Groundwater Plot

COG CCAP State Com #002

County
Eddy

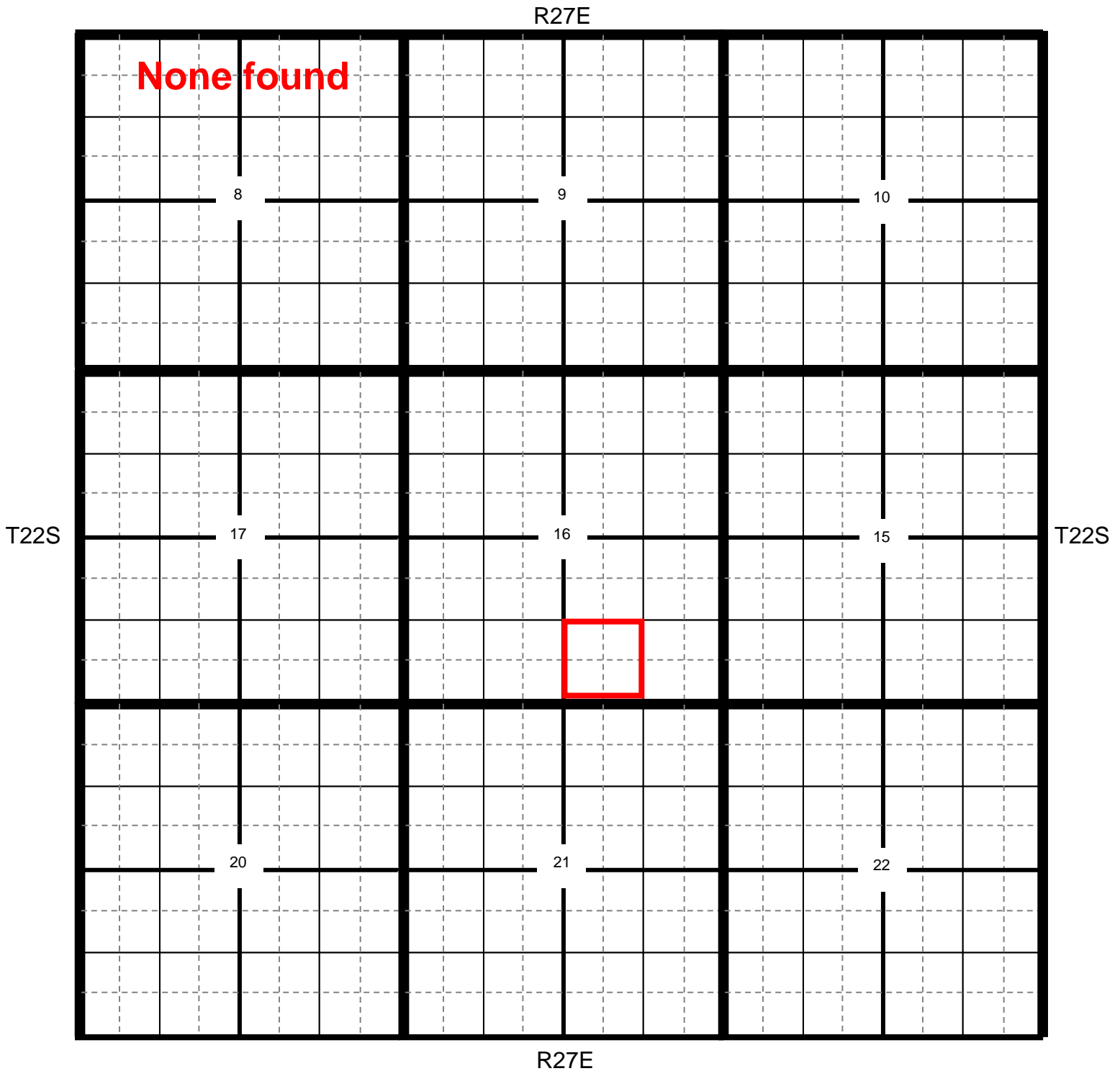
Unit Letter
O

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 None found	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

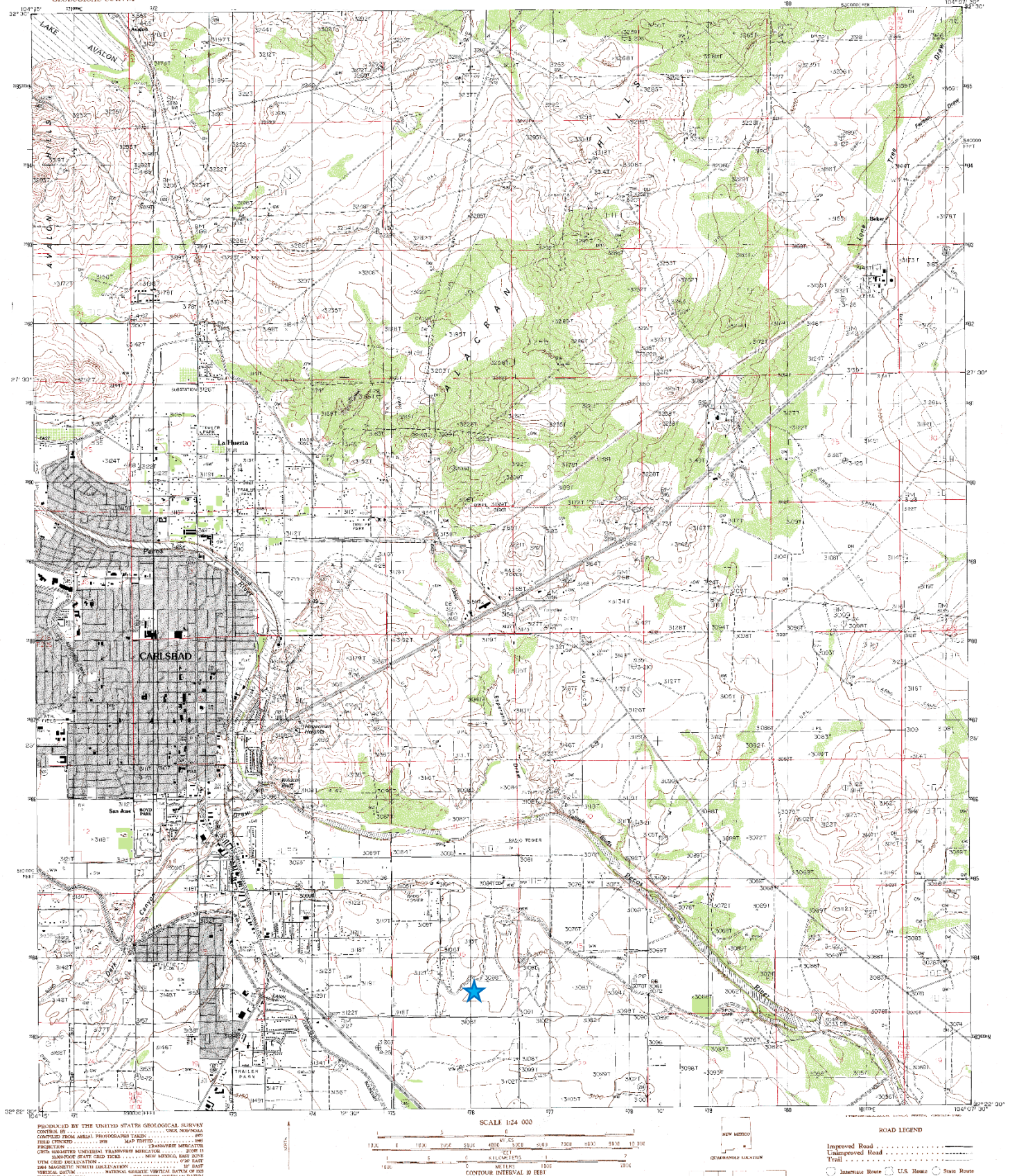
3

4

CCAP State Com #002

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CARLSBAD EAST QUADRANGLE
NEW MEXICO-EDDY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY	
CONTROL BY.....	USGS NOS/MOLA
DATA FROM AERIAL PHOTOGRAPH.....	1977
FILED AT.....	1978
PROJECTION.....	TRANSVERSE MERCATOR
GRID HORIZONTAL UNIVERSAL TRANSVERSE MERCATOR.....	ZONE 13
3,000-FOOT STATE GRID TICS.....	NEW MEXICO, EAST ZONE
UTM GRID DECLINATION.....	0°26' EAST
1984 MAGNETIC NORTH DECLINATION.....	10° EAST
VERTICAL DATUM.....	NATIONAL GEODESIC VERTICAL DATUM OF 1988

PROVISIONAL MAP
Produced from original
manuscript drawings. Infor-
mation shown as of date of
field check. 3

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80215
OR RESTON, VIRGINIA 22092

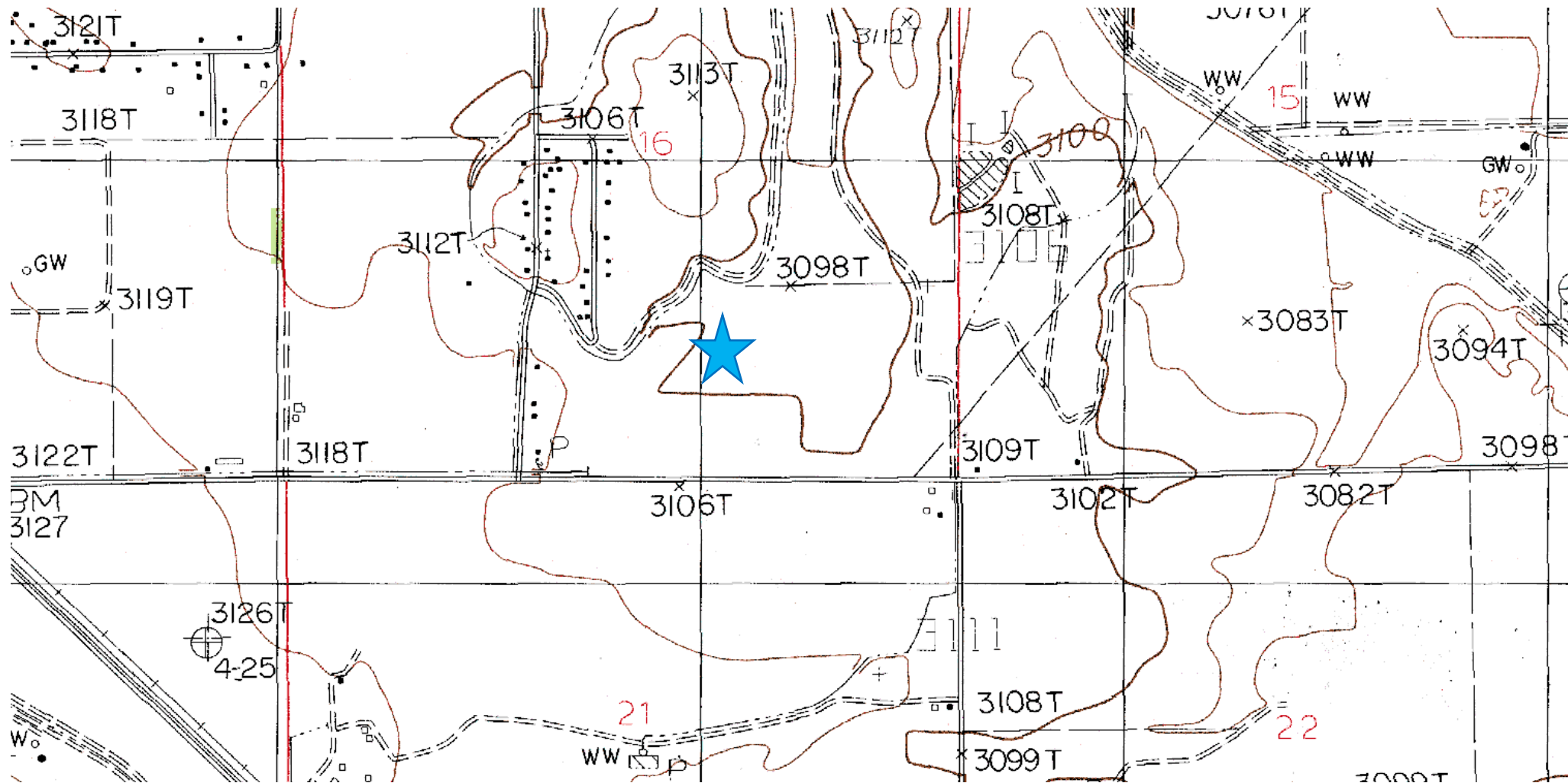
1	2	3	1 Take McStiffen South
			2 Angel Grove
4		5	3 Hanks Camp 10
			4 Corbett West
			5 Indian Plate
6	7	8	6 Gibson Case
			7 Ole
			8 Loving

CARLSBAD EAST, NEW MEXICO
PROVISIONAL EDITION 1985

32B4-D2/TF-024

COG

CCAP State Com #002



**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
Benzene	BTEX 8021B		0.374	0.224	0.053
Toluene	BTEX 8021B		3.02	2.59	0.6
Ethylbenzene	BTEX 8021B		1.31	1.07	0.241
Total Xylenes	BTEX 8021B		4.16	3.89	1.17
Total BTEX	BTEX 8021B		8.86	7.77	2.06
Chloride	SM4500Cl-B		64	32	96
GRO	TPH 8015M		66.2	46.3	<10.0
DRO	TPH 8015M		717	697	125

		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
Benzene	BTEX 8021B		0.238	0.195	<0.050
Toluene	BTEX 8021B		2.32	2.14	0.334
Ethylbenzene	BTEX 8021B		0.934	0.778	0.136
Total Xylenes	BTEX 8021B		3.39	2.76	0.731
Total BTEX	BTEX 8021B		6.88	5.87	1.2
Chloride	SM4500Cl-B		64	32	96
GRO	TPH 8015M		61.6	47.3	<10.0
DRO	TPH 8015M		799	641	80.5

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

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

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

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



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

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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
Benzene*	0.374	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	3.02	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	1.31	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	4.16	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTX	8.86	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
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	66.2	10.0	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	717	10.0	01/18/2017	ND	209	104	200	5.39	

Surrogate: 1-Chlorooctane 107 % 35-147

Surrogate: 1-Chlorooctadecane 98.1 % 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: 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, SM4500CI-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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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)

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

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	125	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

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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)

BTX 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 BTX	6.88	0.300	01/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	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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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
Benzene*	0.195	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	
Toluene*	2.14	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
Ethylbenzene*	0.778	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
Total Xylenes*	2.76	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
Total BTX	5.87	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
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	47.3	10.0	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	641	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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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

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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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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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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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Received:	01/18/2017	Sampling Date:	01/13/2017
Reported:	01/23/2017	Sampling Type:	Soil
Project Name:	CCAP STATE COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

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

Company Name: BBC International, Inc. Project Manager: Cliff Brunson				BILL TO			
Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #:				P.O. #: Company: Attn: Address: City: State: Zip:			
State: NM Zip: 88241 Fax #: 575-397-0397 Project Owner: COG				State: Zip: Phone #: Fax #:			
Project Name: CCAP STATE COM #2 Project Location:				Sample Name: ROGER HERNANDEZ			
FOR LAB USE ONLY				FOR LAB USE ONLY			
Lab I.D. H70012		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS	
				GROUNDWATER		MATRIX	
				WASTEWATER		PRESERV	
				SOIL		SAMPLING	
				OIL			
				SLUDGE			
				OTHER :			
				ACID/BASE:			
				ICE / COOL			
				OTHER :			
				DATE		TIME	
				1/3/17 1020		TPH	
				1/3/17 1050		BTEX	
				1/3/17 1110		CHLORIDE	
				1/3/17 1150			
				1/3/17 115			
				1/3/17 140			
				1/3/17 200			
				1/3/17 210			
				1/3/17 730			
				1/3/17 24			

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Relinquished By: <i>Over Hernandez</i>		Date: 01/17/17		Received By: <i>John Henderson</i>	
Relinquished By:		Date:		Received By:	
Delivered By: (Circle One)		Time:		Sample Condition	
Sampler - UPS - Bus - Other: #75 -4.22		Time:		Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/>	
Cardinal cannot accept verbal changes. Please fax written changes to 505.203.6172		CHECKED BY: <i>[Signature]</i>		REMARKS:	

From: Bratcher, Mike, EMNRD
To: [Cliff Brunson](#)
Cc: [Weaver, Crystal, EMNRD](#); [Robert Grubbs](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#); agroves@doe.state.nm.us
Subject: RE: COG - CCAP State Com #002 (2RP-3881) - Remediation Plan
Date: Thursday, February 9, 2017 11:31:09 AM

RE: COG * CCAP St Com 2 * 2RP-3881 * DOR: 9/6/16

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise once remedial activities have been scheduled.

ATTN ROBERT GRUBBS: The C-141 submitted for this release indicated it was in a lined battery.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher
NMOCD District 2
811 S. First St.
Artesia NM 88210
575-748-1283 Ext 108
mike.bratcher@state.nm.us

From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Tuesday, February 7, 2017 2:32 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Robert Grubbs <RGrubbs@concho.com>; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>
Subject: COG - CCAP State Com #002 (2RP-3881) - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the COG CCAP State Com #002 release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply via e-mail with your concurrence on this plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
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