



## **DELINEATION WORKPLAN**

### **COG – CONDOR STATE #002H**

**(Leak Date: 6/30/18)**

**RP # 1RP-5116**

This delineation workplan and remediation proposal addresses the release associated with RP # 1RP-5116.

The following information includes:

1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
2. GPS information for sample points and sample methodology
3. Depth to groundwater information (i.e., pdf of OSE search results and/or copy of Chevron groundwater trend map).
4. Laboratory analysis results summary table and original laboratory analysis reports
5. A copy of the initial C-141
6. Potentially other pertinent information as necessary for site specific purposes.

***Based on the information included in this package and the NMOCD guidelines, the following remediation is proposed:***

***COG will excavate the spill area as depicted on the following site diagram. The leak area near SP1 (PURPLE shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP2 and SP3 (BLUE shade on diagram) will be excavated to a depth of 2.5 feet.***

***Bottom and sidewall confirmation samples will be collected at no greater than 50 ft. intervals.***

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

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

**APPROVED**





***By Olivia Yu at 8:32 am, Oct 01, 2018***

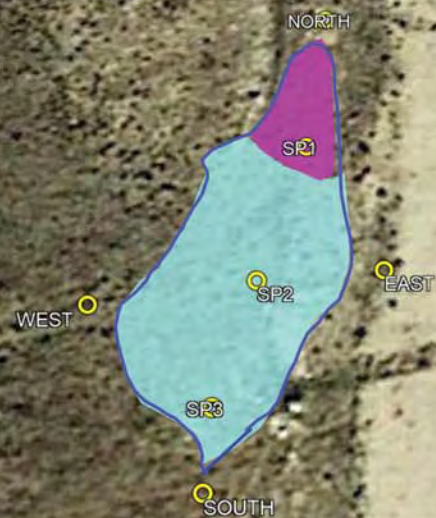
**NMOCD will approve of the delineation as completed for 1RP-5116. See email correspondence regarding conditions for proposed remediation plan.**

# COG, Condor State #002H

Leak date: 06/30/2018  
Lea County, NM  
API# 30-025-41025  
1RP-5116

## Legend

-  2.5 ft Excavation
-  3 ft Excavation
-  Sample points
-  Leak area



Google Earth

© 2018 Google



100 ft





## New Mexico State Land Office

### Revegetation and Noxious Weed Management Plan

### COG – Condor State #002H

#### Revegetation Plan

Disturbed areas associated with the remediation efforts will be reseeded. If after one growing season, the vegetation has not taken hold, seeding may need to be repeated until revegetation is successful, as determined by the State Land Office. The seed will be spread by either using a hand-held broadcaster or tractor-mounted broadcaster and the area will be raked or dragged to cover the seed. If the seed will be broadcast, the pounds per acre will be double over the amount used by drill planting.

The seed mixture will be the appropriate mixture for the specific site and planted in the required amounts of pounds pure live seed (PLS) per acre. Commercially sold seed will be either certified or registered and will not contain primary or secondary noxious weeds.

#### Grasses:

Sideoats grama	Vaughn, El Reno	4.0	F
Blue grama	Lovington, Hachita	3.0	D
Little bluestem	Pastura, Cimmaron	1.5	F
Green sprangletop	VNS, Southern	1.0	D
Plains bristlegrass	VNS, Southern	1.0	D

#### Forbs:

Firewheel ( <i>Gaillardia</i> )	VNS, Southern	1.0	D
---------------------------------	---------------	-----	---

#### Shrubs:

Fourwing saltbush	Marana, Santa Rita	1.0	D
Common winterfat	VNS, Southern	0.5	F

Total PLS/acre    13.0

#### Noxious Weed Management Plan

The site will be visited to assess the establishment of vegetative growth. Personnel performing the site visit will also look for the presence of noxious weeds at the site as indicated on the New Mexico Noxious Weeds List specified on the United States Department of Agriculture website. If a noxious weed is observed at the site, the NMSLO will be contacted to determine the most effective manner to eradicate it.

COG, Condor State #002H

Sample points

SP1, N 32.74038 W-103.48170

SP2, N 32.74030 W-103.48172

SP3, N 32.74022 W-103.48175

NORTH, N 32.74047 W-103.48169

SOUTH, N 32.74018 W-103.48175

EAST, N 32.74030 W-103.48165

WEST, N 32.74028 W-103.48182





# 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	POD Sub- Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">L 03171</a>	L	LE		3	3	17	18S	35E		641835	3623734*	572	170	150	20
<a href="#">L 02357</a>	L	LE		2	20	18S	35E			642855	3623137*	641	170	77	93
<a href="#">L 02053</a>	L	LE			20	18S	35E			642464	3622723*	650	175	78	97
<a href="#">L 09742</a>	L	LE		1	4	17	18S	35E		642474	3624312	1003	200		
<a href="#">L 02052</a>	L	LE			17	18S	35E			642438	3624337*	1020	190	72	118
<a href="#">L 05156</a>	L	LE		4	1	17	18S	35E		642224	3624545*	1210	150	90	60
<a href="#">L 07928</a>	L	LE		4	4	1	19	18S	35E	640639	3622915	1660	175		

Average Depth to Water: **93 feet**

Minimum Depth: **72 feet**

Maximum Depth: **150 feet**

Record Count: 7

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 642245

**Northing (Y):** 3623335

**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.



USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:  Geographic Area:

Click to hide News Bulletins

- [Please see news on new formats](#)
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

## Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 324415103281501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

## USGS 324415103281501 18S.35E.20.21434

Lea County, New Mexico

Latitude 32°44'13.3", Longitude 103°28'36.4" NAD83

Land-surface elevation 3,933.00 feet above NGVD29

The depth of the well is 170 feet below land surface.

This well is completed in the High Plains aquifer (N100HGHLN) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

## Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurment
1953-12-09			D 72.19				2		U	
1954-01-11			D 72.25				2		U	
1954-03-02			D 72.26				2		U	
1954-05-05			D 72.26				2		U	
1954-07-13			D 72.21				2		U	
1954-09-14			D 72.22				2		U	
1954-11-09			D 72.25				2		U	
1955-01-06			D 72.23				2		U	
1955-03-19			D 72.20				2		U	
1955-05-28			D 72.26				2		U	
1955-07-15			D 72.25				2		U	
1955-09-22			D 72.21				2		U	
1955-11-28			D 72.21				2		U	
1956-01-05			D 72.18				2		U	
1956-03-14			D 72.18				2		U	
1956-05-09			D 72.22				2		U	
1956-07-26			D 72.21				2		U	
1956-09-06			D 72.21				2		U	



Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measur
1956-11-30		D	72.23			2		U		
1957-01-12		D	72.24			2		U		
1958-01-14		D	72.27			2		U		
1960-01-15		D	72.17			2		U		
1961-01-17		D	72.16			2		U		
1962-01-16		D	72.26			2		U		
1963-02-18		D	72.16			2		U		
1964-02-10		D	72.29			2		U		
1965-02-10		D	72.39			2		U		
1966-02-07		D	72.49			2		U		
1967-01-03		D	72.58			2		U		
1968-01-02		D	72.76			2		U		
1969-01-14		D	73.00			2		U		
1970-01-05		D	73.27			2		U		
1971-01-12		D	73.31			2		U		
1971-01-20		D	73.30			2		U		
1972-01-12		D	73.45			2		U		
1973-01-09		D	73.58			2		U		
1974-01-08		D	73.73			2		U		
1975-01-08		D	73.36			2		U		
1976-01-13		D	73.68			2		U		
1976-02-12		D	73.73			2		U		
1977-01-08		D	73.87			2		U		
1981-01-06		D	75.12			2		U		
1982-01-06		D	75.43			2		U		
1983-01-04		D	75.91			2		U		
1984-01-05		D	76.38			2		U		
1985-01-08		D	76.78			2		U		
1986-01-08		D	77.07			2		U		
1987-01-06		D	77.28			2		U		
1988-01-07		D	77.51			2		U		
1989-01-07		D	77.82			2		U		
1990-01-02		D	77.80			2		U		
1991-01-02		D	78.52			2		U		
1991-03-15		D	78.31			2		U		
1992-01-06	11:18 MST	m	78.57			2		U		
1993-01-04		D	78.99			2		U		
1994-01-08		D	79.55			2		U		
1995-01-03		D	79.91			2		S		
1996-01-12		D	80.47			2		S		
2000-01-03		D	82.79			2		S		
2001-01-03		D	83.30			2		S	USGS	
2002-01-03		D	83.87			2		S	USGS	
2003-01-05		D	84.48			2		S	USGS	
2004-01-08		D	85.17			2		S	USGS	
2005-01-04	10:48 MST	m	85.57			2		S	USGS	
2006-01-09	10:40 MST	m	85.91			2		S	USGS	
2007-12-17	14:25 MST	m	86.5			1	R	S	USGS	
2008-12-16	10:40 MST	m	87.03			2		S	USGS	
2011-12-20	16:00 MST	m	88.37			2		S	USGS	
2013-12-12	09:30 MST	m	98.34			2		S	USGS	
2015-01-07	10:50 MST	m	98.52			2		S	USGS	
2016-01-08	10:48 MST	m	92.38			2		V	USGS	



Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measur

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Water-level accuracy	1	Water level accuracy to nearest tenth of a foot
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Status	R	Site had been pumped recently.
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Method of measurement	V	Calibrated electric-tape measurement.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[News](#)

[Accessibility](#) [Plug-Ins](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title:** Groundwater for New Mexico: Water Levels

**URL:** <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2018-09-04 11:17:14 EDT

0.94 0.47 nadww01



USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:  Geographic Area:

Click to hide News Bulletins

- [Please see news on new formats](#)
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

## Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 324420103281501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

## USGS 324420103281501 18S.35E.20.41111

Lea County, New Mexico

Latitude 32°43'59", Longitude 103°28'46" NAD27

Land-surface elevation 3,937.00 feet above NGVD29

The depth of the well is 175 feet below land surface.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

## Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1953-09-11			D 75.82				2		U	
1953-10-07			D 75.77				2		U	
1953-11-20			D 75.76				2		U	
1954-01-11			D 75.77				2		U	
1954-03-02			D 75.85				2		U	
1954-05-05			D 75.87				2		U	
1954-07-13			D 75.77				2		U	
1954-09-14			D 75.82				2		U	
1954-11-09			D 75.85				2		U	
1955-01-06			D 75.81				2		U	
1955-03-19			D 75.76				2		U	
1955-05-28			D 75.85				2		U	
1955-07-15			D 75.83				2		U	
1955-09-22			D 75.79				2		U	
1955-11-28			D 75.79				2		U	
1956-01-05			D 75.73				2		U	
1956-03-14			D 75.70				2		U	
1956-05-09			D 75.78				2		U	
1956-07-26			D 75.79				2		U	

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measur
1956-09-06		D	75.74			2		U		
1956-11-30		D	75.78			2		U		
1957-01-12		D	75.77			2		U		
1958-01-14		D	75.85			2		U		
1960-01-15		D	75.80			2		U		
1961-01-17		D	75.70			2		U		
1962-01-16		D	75.86			2		U		
1967-09-20		D	76.19			2		U		
1971-01-20		D	76.49			2		U		
1976-02-12		D	76.85			2		U		
1981-03-13		D	77.90			2		U		
1986-04-02		D	79.35			2		U		
1991-03-15		D	79.20			2		U		
1996-01-12		D	82.10			2		S		

## Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[News](#)

[Accessibility](#)

[Plug-Ins](#)

[FOIA](#)

[Privacy](#)

[Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title: Groundwater for New Mexico: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**

Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2018-09-04 11:19:14 EDT

0.75 0.56 nadwv01





Laboratory Analytical Results Summary  
Condor State #002H (6/30/18)

		Sample ID	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 3.5'
Analyte	Method	Date	8/27/18	8/27/18	8/27/18	8/27/18	8/27/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.500	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.193	6.15	0.262	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.946	12.5	0.74	<0.050	<0.050
Total Xylenes	BTEX 8021B		3.12	21.3	1.31	<0.150	<0.150
Total BTEX	BTEX 8021B		4.26	40	2.32	<0.300	<0.300
Chloride	SM4500Cl-B		10000	4480	1040	624	16
GRO	TPH 8015M		178	690	44.2	<10.0	<10.0
DRO	TPH 8015M		21600	17100	1520	757	<10.0
EXT DRO	TPH 8015M		4700	3590	291	163	<10.0

		Sample ID	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 3.5'
Analyte	Method	Date	8/27/18	8/27/18	8/27/18	8/27/18	8/27/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.500	0.076	<0.050	<0.050
Toluene	BTEX 8021B		0.155	17.8	1.59	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.761	32.8	2.44	0.066	<0.050
Total Xylenes	BTEX 8021B		2.29	45.7	3.28	<0.150	<0.150
Total BTEX	BTEX 8021B		3.2	96.4	7.38	<0.300	<0.300
Chloride	SM4500Cl-B		8930	4720	1180	144	32
GRO	TPH 8015M		162	1440	116	<10.0	<10.0
DRO	TPH 8015M		23600	11400	1900	174	<10.0
EXT DRO	TPH 8015M		4680	1990	332	38.5	<10.0

		Sample ID	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 3.5'
Analyte	Method	Date	8/27/18	8/27/18	8/27/18	8/27/18	8/27/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.500	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.065	12.6	0.753	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.239	26.5	1.47	0.052	<0.050
Total Xylenes	BTEX 8021B		0.978	35.9	2.4	<0.150	<0.150
Total BTEX	BTEX 8021B		1.28	75	4.63	<0.300	<0.300
Chloride	SM4500Cl-B		36000	4240	1070	288	32
GRO	TPH 8015M		<100	1010	53.1	<10.0	<10.0
DRO	TPH 8015M		31500	13900	1230	515	<10.0
EXT DRO	TPH 8015M		7490	2660	228	116	<10.0

Cardinal		Sample ID	North @ SURFACE	East @ SURFACE	West @ SURFACE	South @ SURFACE
Analyte	Method	Date	8/27/18	8/27/18	8/27/18	8/27/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		16	16	16	32
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

August 31, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CONDOR STATE #002H

Enclosed are the results of analyses for samples received by the laboratory on 08/28/18 12:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



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:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 1 @ SURFACE (H802414-01)**

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	08/29/2018	ND	1.84	92.1	2.00	0.587	
<b>Toluene*</b>	<b>0.193</b>	0.050	08/29/2018	ND	1.79	89.4	2.00	0.728	
<b>Ethylbenzene*</b>	<b>0.946</b>	0.050	08/29/2018	ND	1.81	90.7	2.00	1.15	
<b>Total Xylenes*</b>	<b>3.12</b>	0.150	08/29/2018	ND	5.50	91.6	6.00	0.960	
<b>Total BTX</b>	<b>4.26</b>	0.300	08/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>10000</b>	16.0	08/30/2018	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>178</b>	50.0	08/29/2018	ND	220	110	200	0.0996		
<b>DRO &gt;C10-C28*</b>	<b>21600</b>	50.0	08/29/2018	ND	218	109	200	8.26		QM-07
<b>EXT DRO &gt;C28-C36</b>	<b>4700</b>	50.0	08/29/2018	ND						

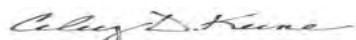
Surrogate: 1-Chlorooctane 140 % 41-142

Surrogate: 1-Chlorooctadecane 864 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 1 @ 1' (H802414-02)**

BTEx 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	08/30/2018	ND	1.84	92.1	2.00	0.587		
Toluene*	6.15	0.500	08/30/2018	ND	1.79	89.4	2.00	0.728		
Ethylbenzene*	12.5	0.500	08/30/2018	ND	1.81	90.7	2.00	1.15		
Total Xylenes*	21.3	1.50	08/30/2018	ND	5.50	91.6	6.00	0.960		
Total BTEX	40.0	3.00	08/30/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	08/30/2018	ND	448	112	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
				S-06					

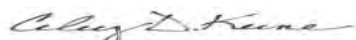
Surrogate: 1-Chlorooctane 178 % 41-142

Surrogate: 1-Chlorooctadecane 501 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 1 @ 2' (H802414-03)**

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	08/30/2018	ND	1.84	92.1	2.00	0.587	
Toluene*	0.262	0.050	08/30/2018	ND	1.79	89.4	2.00	0.728	
Ethylbenzene*	0.740	0.050	08/30/2018	ND	1.81	90.7	2.00	1.15	
Total Xylenes*	1.31	0.150	08/30/2018	ND	5.50	91.6	6.00	0.960	
Total BTEx	2.32	0.300	08/30/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	08/30/2018	ND	448	112	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	44.2	10.0	08/29/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	1520	10.0	08/29/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	291	10.0	08/29/2018	ND					

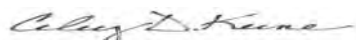
Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 169 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 1 @ 3' (H802414-04)**

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	08/30/2018	ND	1.84	92.1	2.00	0.587		
Toluene*	<0.050	0.050	08/30/2018	ND	1.79	89.4	2.00	0.728		
Ethylbenzene*	<0.050	0.050	08/30/2018	ND	1.81	90.7	2.00	1.15		
Total Xylenes*	<0.150	0.150	08/30/2018	ND	5.50	91.6	6.00	0.960		
Total BTEX	<0.300	0.300	08/30/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	08/30/2018	ND	448	112	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	08/29/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	757	10.0	08/29/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	163	10.0	08/29/2018	ND					

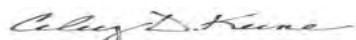
Surrogate: 1-Chlorooctane 96.7 % 41-142

Surrogate: 1-Chlorooctadecane 134 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 1 @ 3.5' (H802414-05)**

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	08/29/2018	ND	1.84	92.1	2.00	0.587		
Toluene*	<0.050	0.050	08/29/2018	ND	1.79	89.4	2.00	0.728		
Ethylbenzene*	<0.050	0.050	08/29/2018	ND	1.81	90.7	2.00	1.15		
Total Xylenes*	<0.150	0.150	08/29/2018	ND	5.50	91.6	6.00	0.960		
Total BTX	<0.300	0.300	08/29/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/30/2018	ND	448	112	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	08/29/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	<10.0	10.0	08/29/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	08/29/2018	ND					

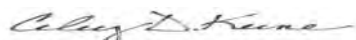
Surrogate: 1-Chlorooctane 87.7 % 41-142

Surrogate: 1-Chlorooctadecane 90.9 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 2 @ SURFACE (H802414-06)**

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	08/29/2018	ND	1.84	92.1	2.00	0.587	
Toluene*	0.155	0.050	08/29/2018	ND	1.79	89.4	2.00	0.728	
Ethylbenzene*	0.761	0.050	08/29/2018	ND	1.81	90.7	2.00	1.15	
Total Xylenes*	2.29	0.150	08/29/2018	ND	5.50	91.6	6.00	0.960	
Total BTX	3.20	0.300	08/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8930	16.0	08/30/2018	ND	416	104	400	7.41	QM-07
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*	162	50.0	08/29/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	23600	50.0	08/29/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	4680	50.0	08/29/2018	ND					

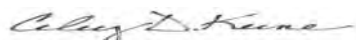
Surrogate: 1-Chlorooctane 137 % 41-142

Surrogate: 1-Chlorooctadecane 733 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 2 @ 1' (H802414-07)**

BTEx 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	08/30/2018	ND	1.84	92.1	2.00	0.587	
Toluene*	17.8	0.500	08/30/2018	ND	1.79	89.4	2.00	0.728	
Ethylbenzene*	32.8	0.500	08/30/2018	ND	1.81	90.7	2.00	1.15	
Total Xylenes*	45.7	1.50	08/30/2018	ND	5.50	91.6	6.00	0.960	
Total BTEX	96.4	3.00	08/30/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4720	16.0	08/30/2018	ND	416	104	400	7.41		
TPH 8015M		mg/kg		Analyzed By: MS						S-06

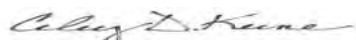
Surrogate: 1-Chlorooctane 222 % 41-142

Surrogate: 1-Chlorooctadecane 277 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 2 @ 2' (H802414-08)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.076</b>	0.050	08/30/2018	ND	1.84	92.1	2.00	0.587	
<b>Toluene*</b>	<b>1.59</b>	0.050	08/30/2018	ND	1.79	89.4	2.00	0.728	
<b>Ethylbenzene*</b>	<b>2.44</b>	0.050	08/30/2018	ND	1.81	90.7	2.00	1.15	
<b>Total Xylenes*</b>	<b>3.28</b>	0.150	08/30/2018	ND	5.50	91.6	6.00	0.960	
<b>Total BTX</b>	<b>7.38</b>	0.300	08/30/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1180</b>	16.0	08/30/2018	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>116</b>	10.0	08/29/2018	ND	220	110	200	0.0996	
<b>DRO &gt;C10-C28*</b>	<b>1900</b>	10.0	08/29/2018	ND	218	109	200	8.26	
<b>EXT DRO &gt;C28-C36</b>	<b>332</b>	10.0	08/29/2018	ND					

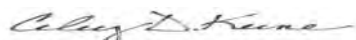
Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 129 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 2 @ 3' (H802414-09)**

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	08/30/2018	ND	1.84	92.1	2.00	0.587	
Toluene*	<0.050	0.050	08/30/2018	ND	1.79	89.4	2.00	0.728	
Ethylbenzene*	0.066	0.050	08/30/2018	ND	1.81	90.7	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/30/2018	ND	5.50	91.6	6.00	0.960	
Total BTEX	<0.300	0.300	08/30/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/30/2018	ND	416	104	400	7.41	

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	08/29/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	174	10.0	08/29/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	38.5	10.0	08/29/2018	ND					

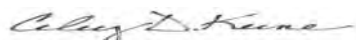
Surrogate: 1-Chlorooctane 100 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 2 @ 3.5' (H802414-10)**

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	08/29/2018	ND	1.84	92.1	2.00	0.587	
Toluene*	<0.050	0.050	08/29/2018	ND	1.79	89.4	2.00	0.728	
Ethylbenzene*	<0.050	0.050	08/29/2018	ND	1.81	90.7	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/29/2018	ND	5.50	91.6	6.00	0.960	
Total BTEX	<0.300	0.300	08/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2018	ND	416	104	400	7.41		

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	08/29/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	<10.0	10.0	08/29/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	08/29/2018	ND					


Surrogate: 1-Chlorooctane 95.2 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 3 @ SURFACE (H802414-11)**

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	08/29/2018	ND	1.87	93.4	2.00	0.540	
Toluene*	0.065	0.050	08/29/2018	ND	1.92	96.2	2.00	1.10	
Ethylbenzene*	0.239	0.050	08/29/2018	ND	1.97	98.4	2.00	0.201	QR-03
Total Xylenes*	0.978	0.150	08/29/2018	ND	5.69	94.8	6.00	0.554	
Total BTX	1.28	0.300	08/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	36000	16.0	08/30/2018	ND	416	104	400	7.41	
TPH 8015M		mg/kg		Analyzed By: MS					
				S-06					

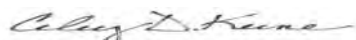
Surrogate: 1-Chlorooctane 120 % 41-142

Surrogate: 1-Chlorooctadecane 1050 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 3 @ 1' (H802414-12)**

BTEx 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	08/30/2018	ND	1.87	93.4	2.00	0.540	
Toluene*	12.6	0.500	08/30/2018	ND	1.92	96.2	2.00	1.10	
Ethylbenzene*	26.5	0.500	08/30/2018	ND	1.97	98.4	2.00	0.201	
Total Xylenes*	35.9	1.50	08/30/2018	ND	5.69	94.8	6.00	0.554	
Total BTEX	75.0	3.00	08/30/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	08/30/2018	ND	416	104	400	7.41	
TPH 8015M		mg/kg		Analyzed By: MS					

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1010	50.0	08/29/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	13900	50.0	08/29/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	2660	50.0	08/29/2018	ND					

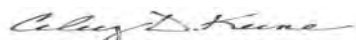
Surrogate: 1-Chlorooctane 196 % 41-142

Surrogate: 1-Chlorooctadecane 379 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 3 @ 2' (H802414-13)**

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	08/30/2018	ND	1.87	93.4	2.00	0.540	
Toluene*	0.753	0.050	08/30/2018	ND	1.92	96.2	2.00	1.10	
Ethylbenzene*	1.47	0.050	08/30/2018	ND	1.97	98.4	2.00	0.201	
Total Xylenes*	2.40	0.150	08/30/2018	ND	5.69	94.8	6.00	0.554	
Total BTEx	4.63	0.300	08/30/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	08/30/2018	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	53.1	10.0	08/29/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	1230	10.0	08/29/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	228	10.0	08/29/2018	ND					

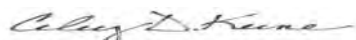
Surrogate: 1-Chlorooctane 88.0 % 41-142

Surrogate: 1-Chlorooctadecane 133 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SP 3 @ 3' (H802414-14)**

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	08/30/2018	ND	1.87	93.4	2.00	0.540	
Toluene*	<0.050	0.050	08/30/2018	ND	1.92	96.2	2.00	1.10	
Ethylbenzene*	0.052	0.050	08/30/2018	ND	1.97	98.4	2.00	0.201	
Total Xylenes*	<0.150	0.150	08/30/2018	ND	5.69	94.8	6.00	0.554	
Total BTX	<0.300	0.300	08/30/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/30/2018	ND	416	104	400	7.41	

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	08/29/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	515	10.0	08/29/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	116	10.0	08/29/2018	ND					


Surrogate: 1-Chlorooctane 80.1 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 08/28/2018  
Reported: 08/31/2018  
Project Name: CONDOR STATE #002H  
Project Number: ( 6/30/18 )  
Project Location: COG - LEA CO NM

Sampling Date: 08/27/2018  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SP 3 @ 3.5' (H802414-15)**

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	08/29/2018	ND	1.87	93.4	2.00	0.540	
Toluene*	<0.050	0.050	08/29/2018	ND	1.92	96.2	2.00	1.10	
Ethylbenzene*	<0.050	0.050	08/29/2018	ND	1.97	98.4	2.00	0.201	
Total Xylenes*	<0.150	0.150	08/29/2018	ND	5.69	94.8	6.00	0.554	
Total BTX	<0.300	0.300	08/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2018	ND	416	104	400	7.41		

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	08/30/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	<10.0	10.0	08/30/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	08/30/2018	ND					

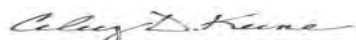
Surrogate: 1-Chlorooctane 86.2 % 41-142

Surrogate: 1-Chlorooctadecane 96.0 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: NORTH @ SURFACE (H802414-16)**

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	08/29/2018	ND	1.87	93.4	2.00	0.540		
Toluene*	<0.050	0.050	08/29/2018	ND	1.92	96.2	2.00	1.10		
Ethylbenzene*	<0.050	0.050	08/29/2018	ND	1.97	98.4	2.00	0.201		
Total Xylenes*	<0.150	0.150	08/29/2018	ND	5.69	94.8	6.00	0.554		
Total BTX	<0.300	0.300	08/29/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/30/2018	ND	416	104	400	7.41	

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	08/30/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	<10.0	10.0	08/30/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	08/30/2018	ND					

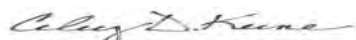
Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 08/28/2018  
Reported: 08/31/2018  
Project Name: CONDOR STATE #002H  
Project Number: ( 6/30/18 )  
Project Location: COG - LEA CO NM

Sampling Date: 08/27/2018  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: EAST @ SURFACE (H802414-17)**

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	08/29/2018	ND	1.87	93.4	2.00	0.540	
Toluene*	<0.050	0.050	08/29/2018	ND	1.92	96.2	2.00	1.10	
Ethylbenzene*	<0.050	0.050	08/29/2018	ND	1.97	98.4	2.00	0.201	
Total Xylenes*	<0.150	0.150	08/29/2018	ND	5.69	94.8	6.00	0.554	
Total BTX	<0.300	0.300	08/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/30/2018	ND	416	104	400	7.41	

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	08/30/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	<10.0	10.0	08/30/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	08/30/2018	ND					

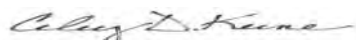
Surrogate: 1-Chlorooctane 89.7 % 41-142

Surrogate: 1-Chlorooctadecane 91.6 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: WEST @ SURFACE (H802414-18)**

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	08/29/2018	ND	1.87	93.4	2.00	0.540	
Toluene*	<0.050	0.050	08/29/2018	ND	1.92	96.2	2.00	1.10	
Ethylbenzene*	<0.050	0.050	08/29/2018	ND	1.97	98.4	2.00	0.201	
Total Xylenes*	<0.150	0.150	08/29/2018	ND	5.69	94.8	6.00	0.554	
Total BTX	<0.300	0.300	08/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/30/2018	ND	416	104	400	7.41	

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	08/30/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	<10.0	10.0	08/30/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	08/30/2018	ND					

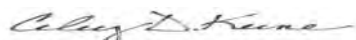
Surrogate: 1-Chlorooctane 91.0 % 41-142

Surrogate: 1-Chlorooctadecane 89.1 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	08/28/2018	Sampling Date:	08/27/2018
Reported:	08/31/2018	Sampling Type:	Soil
Project Name:	CONDOR STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	( 6/30/18 )	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

**Sample ID: SOUTH @ SURFACE (H802414-19)**

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	08/29/2018	ND	1.87	93.4	2.00	0.540	
Toluene*	<0.050	0.050	08/29/2018	ND	1.92	96.2	2.00	1.10	
Ethylbenzene*	<0.050	0.050	08/29/2018	ND	1.97	98.4	2.00	0.201	
Total Xylenes*	<0.150	0.150	08/29/2018	ND	5.69	94.8	6.00	0.554	
Total BTX	<0.300	0.300	08/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/30/2018	ND	416	104	400	7.41		

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	08/30/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	<10.0	10.0	08/30/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	08/30/2018	ND					


Surrogate: 1-Chlorooctane 85.3 % 41-142

Surrogate: 1-Chlorooctadecane 85.4 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte


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



Celey D. Keene, Lab Director/Quality Manager

### 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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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



---

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**

1082

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TAP EXT</div> </div>											
Address: P.O. Box 805				Company: COG															
City: Hobbs State: NM Zip: 88241				Attn: Haswell															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:															
Project #: Project Owner: COG				City:															
Project Name: Condor State #002H (6/30/18)				State: Zip:															
Project Location: Lea County, NM				Phone #:															
Sampler Name: Jeff Ornelas				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME					
H802414																			
1	SP1 @ SURFACE	G	1			✓					✓		8/27/18	8:47 AM	✓	✓	✓		
2	SP1 @ 1'	G	1			✓					✓		8/27/18	9:15 AM	✓	✓	✓		
3	SP1 @ 2'	G	1			✓					✓		8/27/18	9:49 AM	✓	✓	✓		
4	SP1 @ 3'	G	1			✓					✓		8/27/18	10:33 AM	✓	✓	✓		
5	SP1 @ 3.5'	G	1			✓					✓		8/27/18	10:48 AM	✓	✓	✓		
6	SP2 @ SURFACE	G	1			✓					✓		8/27/18	10:49 AM	✓	✓	✓		
7	SP2 @ 1'	G	1			✓					✓		8/27/18	10:58 AM	✓	✓	✓		
8	SP2 @ 2'	G	1			✓					✓		8/27/18	11:19 AM	✓	✓	✓		
9	SP2 @ 3'	G	1			✓					✓		8/27/18	11:38 AM	✓	✓	✓		
10	SP2 @ 3.5'	G	1			✓					✓		8/27/18	12:11 PM	✓	✓	✓		

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: Jeff Ornelas	Date: 8/27/18	Received By: [Signature]	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 5:30pm		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: [Signature]	Date: 8-28-18	Received By: Januara Oldakyl	REMARKS:	
	Time: 12:50			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: 5.72 #97	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) TO.		

† 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**

282

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																	
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CI</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH EXT</div> </div>																	
Address: P.O. Box 805				Company: COG																					
City: Hobbs State: NM Zip: 88241				Attn: Haskell																					
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																					
Project #: Project Owner: COG				City:																					
Project Name: Condor State #002H (6/30/18)				State: Zip:																					
Project Location: Lea County, NM				Phone #:																					
Sampler Name: Jeff Ornelas				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING																
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
H802414																									
11	SP3 @ SURFACE	G	1			✓					✓		8/27/18	12:12 PM	✓	✓	✓								
12	SP3 @ 1'	G	1			✓					✓		8/27/18	1:11 PM	✓	✓	✓								
13	SP3 @ 2'	G	1			✓					✓		8/27/18	1:39 PM	✓	✓	✓								
14	SP3 @ 3'	G	1			✓					✓		8/27/18	2:15 PM	✓	✓	✓								
15	SP3 @ 3.5'	G	1			✓					✓		8/27/18	2:49 PM	✓	✓	✓								
16	NORTH @ SURFACE	G	1			✓					✓		8/27/18	3:15 PM	✓	✓	✓								
17	EAST @ SURFACE	G	1			✓					✓		8/27/18	3:22 PM	✓	✓	✓								
18	WEST @ SURFACE	G	1			✓					✓		8/27/18	3:33 PM	✓	✓	✓								
19	SOUTH @ SURFACE	G	1			✓					✓		8/27/18	3:41 PM	✓	✓	✓								

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: 8/27/18 Time: 3:30pm	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date: 8-28-18 Time: 12:50	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 5.7c #97			REMARKS:	
Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) T-		

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



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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised April 3, 2017

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: <b>COG Operating, LLC (OGRID# 229137)</b>	Contact: <b>Robert McNeill</b>	
Address: <b>600 West Illinois Avenue, Midland TX 79701</b>	Telephone No.: <b>432-683-7443</b>	
Facility Name: <b>Condor State #002H</b>	Facility Type: <b>Flowline</b>	
Surface Owner: State	Mineral Owner: State	API No.: 30-025-41025

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	20	18S	35E	60	North	2180	West	Lea

Latitude: 32.7403831 Longitude: -103.4811935 NAD83

### NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: 20bbls Oil & 3bbls PW	Volume Recovered: 15bbls Oil & 1bbl PW
Source of Release: Flowline	Date and Hour of Occurrence: 6/30/2018	Date and Hour of Discovery: 6/30/2018 9:00am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Olivia Yu-NMOCD Ryan Mann-NMSLO	
By Whom? Sheldon Hitchcock	Date and Hour: 6/30/2018 9:16am	
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.*		

**RECEIVED**  
**By Olivia Yu at 12:43 pm, Jul 05, 2018**

Describe Cause of Problem and Remedial Action Taken.\*  
A steel flowline from the well developed a leak resulting in the loss of approximately 20bbls Oil & 3bbls PW. The flowline will be repaired.

Describe Area Affected and Cleanup Action Taken.\*

The fluid from the release impacted the pasture adjacent to location. COG will have the area evaluated and will submit a remediation work plan for approval prior to conducting any significant remediation activities.

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>Sheldon Hitchcock</i>		OIL CONSERVATION DIVISION	
Printed Name: Sheldon L. Hitchcock		Approved by Environmental Specialist: <i>[Signature]</i>	
Title: HSE Coordinator		Approval Date: <b>7/5/2018</b>	Expiration Date:
E-mail Address: slhitchcock@concho.com		Conditions of Approval:	Attached <input checked="" type="checkbox"/>
Date: 7/3/2018 Phone: 575-746-2010		<b>see attached directive</b>	

\* Attach Additional Sheets If Necessary

1RP-5116

nOY1818647322

pOY1818648968

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 7/3/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 1RP-5116 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

*The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]*

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 1 office in Hobbs on or before 8/5/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

**Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.**

**Jim Griswold**

OCD Environmental Bureau Chief  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505  
505-476-3465  
jim.griswold@state.nm.us

Incident ID	
District RP	
Facility ID	
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: Cliff P. Brunson Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_