



[Sheldon L. Hitchcock]  
[HSE Coordinator]

December 20, 2018

Christina Hernandez  
Oil Conservation Division, District 1  
1625 N. French Dr.  
Hobbs, NM 88240

Ryan Mann  
New Mexico State Land Office  
2827 N. Dal Paso Suite 117  
Hobbs, NM 88240

**Closure Report**  
**Condor State #002H**  
**API#: 30-025-41025**  
**RP#: 1RP-5116**  
**DOR: June 30, 2018**  
**GPS: 32.740326 -103.481736**  
**Unit Letter C, Section 20, Township 18 South, Range 35 East**  
**Lea County, New Mexico**

Ms. Hernandez/Mr. Mann,

COG Operating, LLC (COG) is pleased to submit the following closure report in response to a release that occurred at the Condor State #002H. The release is located in Unit Letter C, Section 20, Township 18 South and Range 35 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.740326 North and -103.481736 West.

## **BACKGROUND**

The release was discovered on June 30, 2018. A C-141 initial report was submitted to the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (NMSLO). The initial C-141 is presented in Appendix III. A steel flowline developed a leak resulting in the release of approximately twenty (20) barrels (bbls) of oil and three (3) bbls of produced water. Vacuum trucks were utilized to recover approximately fifteen (15) bbls of oil and one (1) bbl of produced water. Remediation activities were conducted in accordance with the approved work plan.

December 20, 2018

## GROUNDWATER AND SITE RANKING

According New Mexico Office of the State Engineer groundwater in the project vicinity is approximately one hundred and fifty (150) feet below ground surface (BGS) (Appendix II). No water well or surface water was observed within one-thousand (1,000) feet of the release site. Therefore the site ranking for this release is zero (0) based on the following:

Depth to groundwater	>100-feet
Distance to surface water body	>1000-feet
Wellhead Protection Area	>1000-feet

## REMEDIAL ACTIONS

- The impacted area was excavated to depths from two and one-half (2.5) feet and three (3) feet BGS. See site diagram in Appendix I.
- Confirmation soil samples were taken from the bottom and sidewalls of the excavated area.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- Upon receipt of analytical results confirming that all impacted soil above NMOCD RRAL's was successfully removed the excavation was backfilled and contoured to match the surrounding location.

December 20, 2018

## CLOSURE REQUEST

COG Operating, LLC respectfully requests that the New Mexico Oil Conservation Division and the New Mexico State Land Office grant closure approval for the Condor State #002H incident that occurred on June 30, 2018.

Should you have any questions or concerns please do not hesitate to contact me.

Sincerely,



Sheldon L. Hitchcock  
HSE Coordinator  
[slhitchcock@concho.com](mailto:slhitchcock@concho.com)

Enclosed:

- Appendix I: Site Diagram
- Appendix II: Groundwater Data
- Appendix III: Initial C-141 (Copy)
- Appendix IV: Final C-141
- Appendix V: Work Plan (Copy)
- Appendix VI: Analytical Reports and Chain-of-Custody Forms
- Appendix VII: Photographic Documentation

# APPENDIX I



# Condor State #002H

June 30, 2018



# APPENDIX II



# 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

Average Depth to Water: **150 feet**

Minimum Depth: **150 feet**

Maximum Depth: **150 feet**

Record Count: 1

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 642245

**Northing (Y):** 3623335

**Radius:** 575

\*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.

12/20/18 10:21 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

# APPENDIX III

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>		<b>OIL CONSERVATION DIVISION</b>	
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**

# APPENDIX IV



Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of 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 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Sheldon L. Hitchcock

Title: HSE Coordinator

Signature: 

Date: 12/20/2018

email: slhitchcock@concho.com

Telephone: 575-746-2010

### OCD Only

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

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

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: 

Date: 12/2/2022

Printed Name: Brittany Hall

Title: Environmental Specialist

# APPENDIX V





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

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## **DELINEATION WORKPLAN**

### **COG – CONDOR STATE #002H**

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

### **RP # 1RP-5116**

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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:***

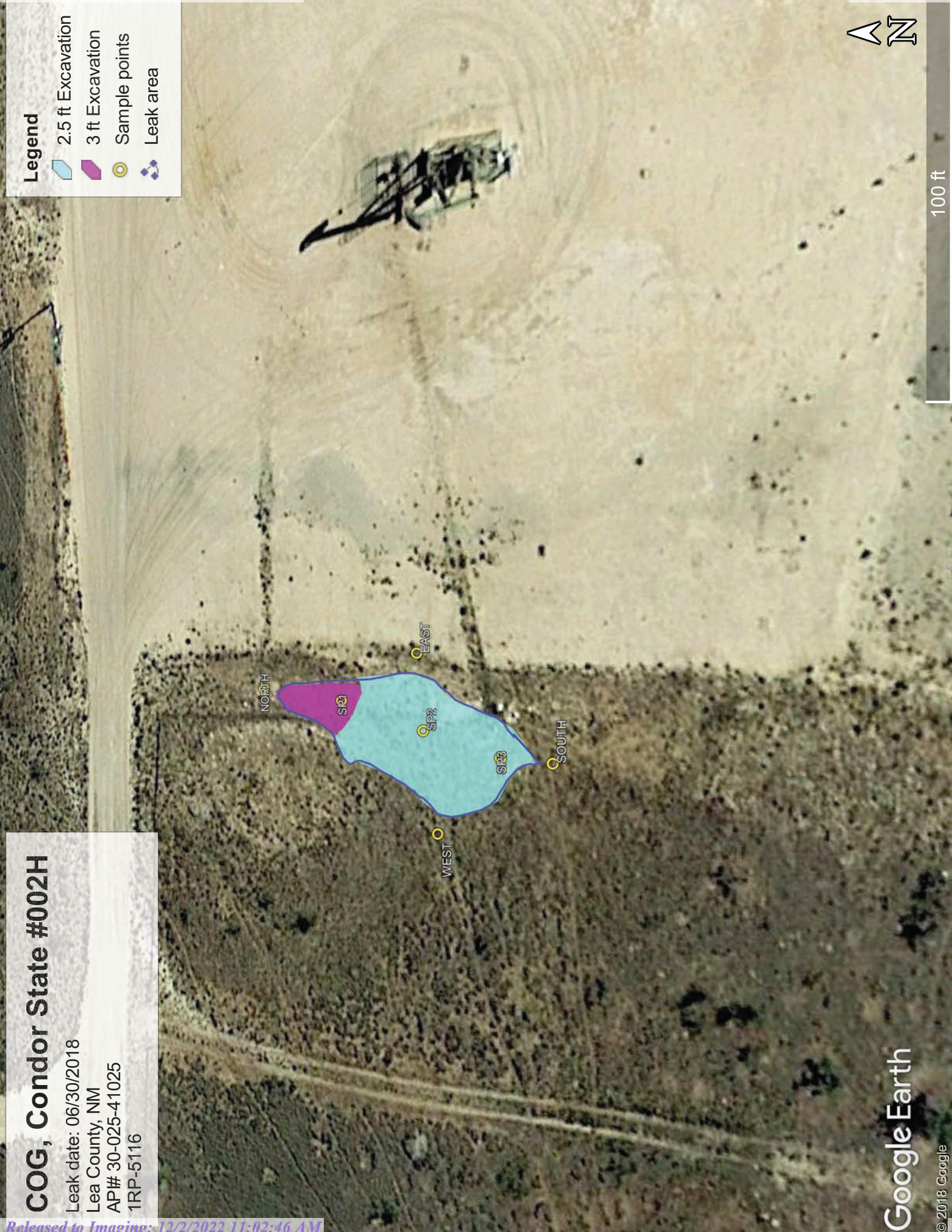
***COG will excavate the spill area as depicted on the following site diagram. The leak area near SP1 (PURPLE shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP2 and SP3 (BLUE shade on diagram) will be excavated to a depth of 2.5 feet.***

***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.





# COG, Condor State #002H

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



WORLD-WIDE ENVIRONMENTAL SPECIALISTS



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805

## 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
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#### 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.

ENVIRONMENTAL CONSULTING AND REMEDIATION SERVICES  
HOBBS, NEW MEXICO • WEBSITE: [www.bbcinternational.com](http://www.bbcinternational.com) • HOUSTON, TEXAS

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

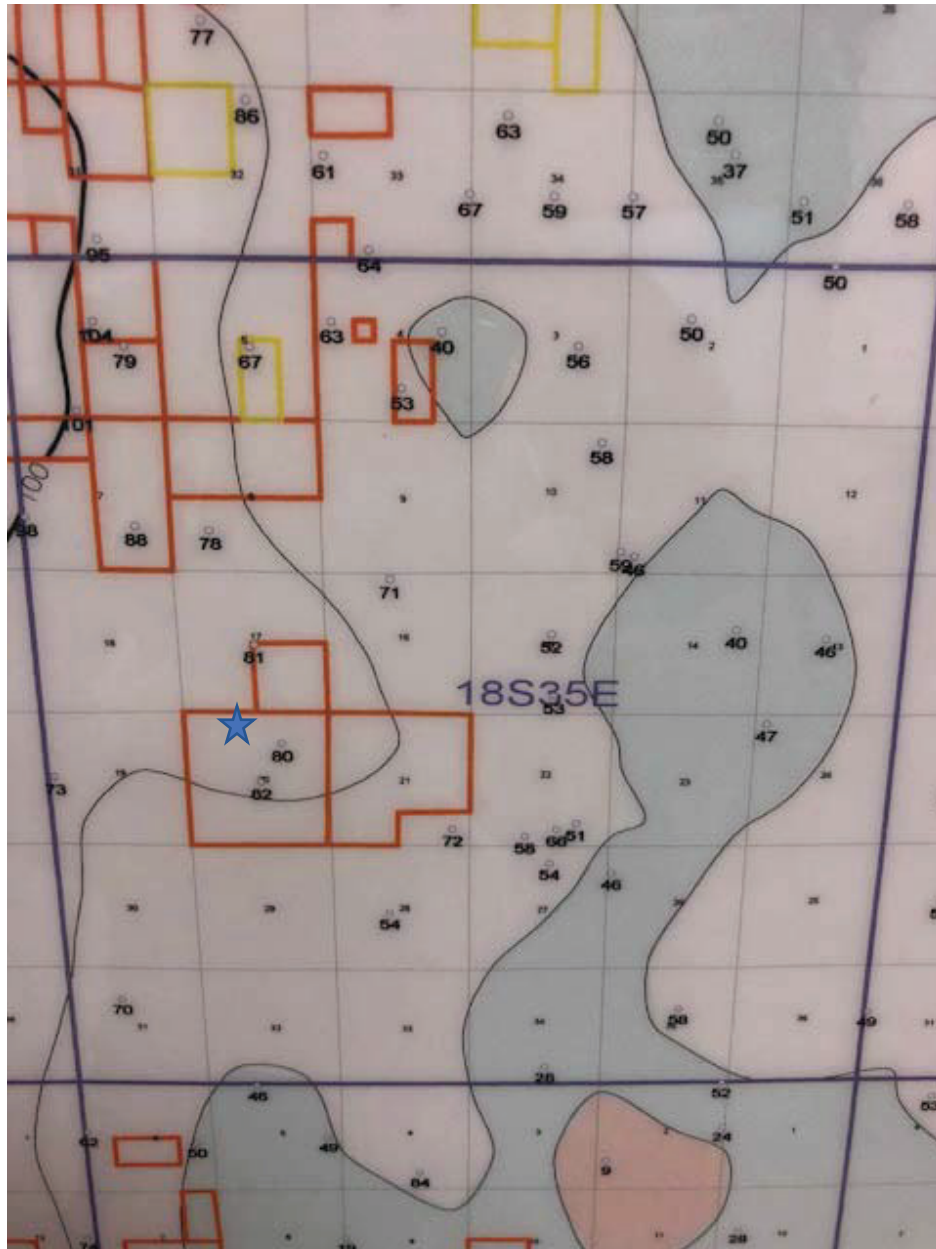
NORTH, N 32.74047 W-103.48169

SOUTH, N 32.74018 W-103.48175

EAST, N 32.74030 W-103.48165

WEST, N 32.74028 W-103.48182

**COG, Condor State #002H**  
**U/L C, Section 20, T18S, R35E**  
**Groundwater: 75'-100'**





# 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.

7/24/18 10:41 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



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## National Water Information System: Web Interface

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Data Category:  Geographic Area:

Click to hide News Bulletins

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- [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 measur
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 measurmen
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 measurment

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.

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**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



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## National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:  Geographic Area:

Click to hide News Bulletins

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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 measurment
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.

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**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 nadww01



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

Analyte	Method	Sample ID Date	SP1 @ SURFACE		SP1 @ 1'		SP1 @ 2'		SP1 @ 3'		SP1 @ 3.5'	
			mg/kg	8/27/18	mg/kg	8/27/18	mg/kg	8/27/18	mg/kg	8/27/18	mg/kg	8/27/18
Benzene	BTEX 8021B											
Toluene	BTEX 8021B											
Ethylbenzene	BTEX 8021B											
Total Xylenes	BTEX 8021B											
Total BTEX	BTEX 8021B											
Chloride	SM4500C-B											
GRO	TPH 8015M											
DRO	TPH 8015M											
EXT DRO	TPH 8015M											

Analyte	Method	Sample ID Date	SP2 @ SURFACE		SP2 @ 1'		SP2 @ 2'		SP2 @ 3'		SP2 @ 3.5'	
			mg/kg	8/27/18	mg/kg	8/27/18	mg/kg	8/27/18	mg/kg	8/27/18	mg/kg	8/27/18
Benzene	BTEX 8021B											
Toluene	BTEX 8021B											
Ethylbenzene	BTEX 8021B											
Total Xylenes	BTEX 8021B											
Total BTEX	BTEX 8021B											
Chloride	SM4500C-B											
GRO	TPH 8015M											
DRO	TPH 8015M											
EXT DRO	TPH 8015M											

Analyte	Method	Sample ID Date	SP3 @ SURFACE		SP3 @ 1'		SP3 @ 2'		SP3 @ 3'		SP3 @ 3.5'	
			mg/kg	8/27/18	mg/kg	8/27/18	mg/kg	8/27/18	mg/kg	8/27/18	mg/kg	8/27/18
Benzene	BTEX 8021B											
Toluene	BTEX 8021B											
Ethylbenzene	BTEX 8021B											
Total Xylenes	BTEX 8021B											
Total BTEX	BTEX 8021B											
Chloride	SM4500C-B											
GRO	TPH 8015M											
DRO	TPH 8015M											
EXT DRO	TPH 8015M											

Cardinal Analyte	Method	Sample ID Date	North @ SURFACE		East @ SURFACE		West @ SURFACE		South @ SURFACE	
			mg/kg	8/27/18	mg/kg	8/27/18	mg/kg	8/27/18	mg/kg	8/27/18
Benzene	BTEX 8021B									
Toluene	BTEX 8021B									
Ethylbenzene	BTEX 8021B									
Total Xylenes	BTEX 8021B									
Total BTEX	BTEX 8021B									
Chloride	SM4500C-B									
GRO	TPH 8015M									
DRO	TPH 8015M									
EXT DRO	TPH 8015M									



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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,

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





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

**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

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Celey D. Keene, Lab Director/Quality Manager



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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:	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

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Celey D. Keene, Lab Director/Quality Manager



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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:	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

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Celey D. Keene, Lab Director/Quality Manager





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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:	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)**

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	1.84	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 BTX	<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

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Celey D. Keene, Lab Director/Quality Manager



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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:	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, SM4500CI-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

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Celey D. Keene, Lab Director/Quality Manager



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

**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)**

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*	0.155	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 BTEX	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					

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

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Celey D. Keene, Lab Director/Quality Manager



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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:	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

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**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

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Celey D. Keene, Lab Director/Quality Manager



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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:	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

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Celey D. Keene, Lab Director/Quality Manager



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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:	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)**

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) 106 % 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	
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

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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:	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)**

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	1.87	93.4	2.00	0.540	QR-03	
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		
Total Xylenes*	0.978	0.150	08/29/2018	ND	5.69	94.8	6.00	0.554		
Total BTEx	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	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	08/29/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	31500	100	08/29/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	7490	100	08/29/2018	ND					

Surrogate: 1-Chlorooctane 120 % 41-142

Surrogate: 1-Chlorooctadecane 1050 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
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 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						S-06
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

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Celey D. Keene, Lab Director/Quality Manager



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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:	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*	<b>0.753</b>	0.050	08/30/2018	ND	1.92	96.2	2.00	1.10	
Ethylbenzene*	<b>1.47</b>	0.050	08/30/2018	ND	1.97	98.4	2.00	0.201	
Total Xylenes*	<b>2.40</b>	0.150	08/30/2018	ND	5.69	94.8	6.00	0.554	
Total BTEX	<b>4.63</b>	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	<b>1070</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
GRO C6-C10*	<b>53.1</b>	10.0	08/29/2018	ND	220	110	200	0.0996	
DRO >C10-C28*	<b>1230</b>	10.0	08/29/2018	ND	218	109	200	8.26	
EXT DRO >C28-C36	<b>228</b>	10.0	08/29/2018	ND					

Surrogate: 1-Chlorooctane 88.0 % 41-142

Surrogate: 1-Chlorooctadecane 133 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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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:	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

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**Analytical Results For:**

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 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 @ 3.5' (H802414-15)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTEx	<0.300	0.300	08/29/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	
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

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**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, SM4500CI-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

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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: 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)**

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	1.87	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 BTEx	<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

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Celey D. Keene, Lab Director/Quality Manager





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

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTEx	<0.300	0.300	08/29/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	
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

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Celey D. Keene, Lab Director/Quality Manager



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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:	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)**

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	1.87	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 BTEx	<0.300	0.300	08/29/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	
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

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Celey D. Keene, Lab Director/Quality Manager

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### 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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

**CARDINAL LABORATORIES**

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

BILL TO										ANALYSIS REQUEST										
<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88241 <b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397 <b>Project #:</b> <b>Project Owner:</b> <b>Project Name:</b> Condor State #002H (6/30/18) <b>Project Location:</b> Lea County, NM <b>Sampler Name:</b> Jeff Ornelas										<b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>										
Lab I.D.	Sample I.D.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING	DATE	TIME	BTEX	TPH EXT							
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE													OTHER:
H802414	1 SP1 @ SURFACE	1								8/27/18	8:47 AM	✓	✓							
	2 SP1 @ 1'	1								8/27/18	9:15 AM	✓	✓							
	3 SP1 @ 2'	1								8/27/18	9:49 AM	✓	✓							
	4 SP1 @ 3'	1								8/27/18	10:33 AM	✓	✓							
	5 SP1 @ 3.5'	1								8/27/18	10:48 AM	✓	✓							
	6 SP2 @ SURFACE	1								8/27/18	10:49 AM	✓	✓							
	7 SP2 @ 1'	1								8/27/18	10:58 AM	✓	✓							
	8 SP2 @ 2'	1								8/27/18	11:19 AM	✓	✓							
	9 SP2 @ 3'	1								8/27/18	11:38 AM	✓	✓							
	10 SP2 @ 3.5'	1								8/27/18	12:11 PM	✓	✓							

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Relinquished By:	Received By:	Date: 8/27/18	Time: 3:30pm
Relinquished By:	Received By:	Date: 8-28-18	Time: 12:50

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
5-78 #497		rp.

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



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## CARDINAL LABORATORIES

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

BILL TO										ANALYSIS REQUEST									
Company Name: BBC International, Inc.										P.O. #:									
Project Manager: Cliff Brunson										Company: <i>OG</i>									
Address: P.O. Box 805										Attn: <i>Hobbs</i>									
City: Hobbs										State: NM Zip: 88241									
Phone #: 575-397-6388										Fax #: 575-397-0397									
Project #:										Project Owner: <i>OG</i>									
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.																			
H80244																			
11 SP3 @ SURFACE										DATE 8/27/18 TIME 12:12 PM									
12 SP3 @ 1'										DATE 8/27/18 TIME 1:11 PM									
13 SP3 @ 2'										DATE 8/27/18 TIME 1:39 PM									
14 SP3 @ 3'										DATE 8/27/18 TIME 2:15 PM									
15 SP3 @ 3.5'										DATE 8/27/18 TIME 2:49 PM									
16 NORTH @ SURFACE										DATE 8/27/18 TIME 3:15 PM									
17 EAST @ SURFACE										DATE 8/27/18 TIME 3:22 PM									
18 WEST @ SURFACE										DATE 8/27/18 TIME 3:33 PM									
19 SOUTH @ SURFACE										DATE 8/27/18 TIME 3:41 PM									

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Relinquished By: <i>Jeff Ornelas</i>	Date: 8/27/18	Time: 3:30 PM	Received By: <i>[Signature]</i>	Date: 8-28-18	Time: 12:50
Relinquished By: <i>[Signature]</i>	Date: 8-28-18	Time: 12:50	Received By: <i>[Signature]</i>	Date: 8-28-18	Time: 12:50
Delivered By: (Circle One)					
Sampler - UPS - Bus - Other:	5.7c #97				

Sample Condition: Cool ☒ Yes ☐ No Intact ☒ Yes ☐ No

CHECKED BY: (Initials) *JO*

REMARKS:

† 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>		<b>OIL CONSERVATION DIVISION</b>	
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**



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: Cliff P. Brunson for COGTitle: PresidentSignature: Cliff P. BrunsonDate: 9/5/18email: cbrunson@bbcinternational.comTelephone: 575-397-6388**OCD Only**

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

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

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

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

# APPENDIX VI



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

---

November 15, 2018

SHELDON HITCHCOCK

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: CONDOR STATE #2H

Enclosed are the results of analyses for samples received by the laboratory on 11/13/18 12:40.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

COG OPERATING  
SHELDON HITCHCOCK  
P. O. BOX 1630  
ARTESIA NM, 88210  
Fax To: NONE

Received: 11/13/2018  
Reported: 11/15/2018  
Project Name: CONDOR STATE #2H  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/13/2018  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SP 1 - BOTTOM (H803294-01)**

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	11/14/2018	ND	2.55	128	2.00	0.219	
Toluene*	<0.050	0.050	11/14/2018	ND	2.58	129	2.00	0.195	
Ethylbenzene*	<0.050	0.050	11/14/2018	ND	2.50	125	2.00	1.66	
Total Xylenes*	<0.150	0.150	11/14/2018	ND	7.40	123	6.00	1.76	
Total BTX	<0.300	0.300	11/14/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	11/15/2018	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	11/14/2018	ND	210	105	200	0.0153	
DRO >C10-C28*	412	10.0	11/14/2018	ND	224	112	200	7.38	
EXT DRO >C28-C36	76.4	10.0	11/14/2018	ND					

Surrogate: 1-Chlorooctane 97.9 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

COG OPERATING  
SHELDON HITCHCOCK  
P. O. BOX 1630  
ARTESIA NM, 88210  
Fax To: NONE

Received: 11/13/2018  
Reported: 11/15/2018  
Project Name: CONDOR STATE #2H  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/13/2018  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SP 2 - BOTTOM (H803294-02)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2018	ND	2.55	128	2.00	0.219	
Toluene*	<0.050	0.050	11/14/2018	ND	2.58	129	2.00	0.195	
Ethylbenzene*	<0.050	0.050	11/14/2018	ND	2.50	125	2.00	1.66	
Total Xylenes*	<0.150	0.150	11/14/2018	ND	7.40	123	6.00	1.76	
Total BTX	<0.300	0.300	11/14/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	11/15/2018	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	11/14/2018	ND	210	105	200	0.0153	
DRO >C10-C28*	28.7	10.0	11/14/2018	ND	224	112	200	7.38	
EXT DRO >C28-C36	10.2	10.0	11/14/2018	ND					

Surrogate: 1-Chlorooctane 99.4 % 41-142

Surrogate: 1-Chlorooctadecane 97.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

COG OPERATING  
SHELDON HITCHCOCK  
P. O. BOX 1630  
ARTESIA NM, 88210  
Fax To: NONE

Received: 11/13/2018  
Reported: 11/15/2018  
Project Name: CONDOR STATE #2H  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/13/2018  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SP 3 - BOTTOM (H803294-03)**

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	11/14/2018	ND	2.55	128	2.00	0.219	
Toluene*	<0.050	0.050	11/14/2018	ND	2.58	129	2.00	0.195	
Ethylbenzene*	0.073	0.050	11/14/2018	ND	2.50	125	2.00	1.66	
Total Xylenes*	0.194	0.150	11/14/2018	ND	7.40	123	6.00	1.76	
Total BTEX	<0.300	0.300	11/14/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	11/15/2018	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	11/14/2018	ND	210	105	200	0.0153	
DRO >C10-C28*	616	10.0	11/14/2018	ND	224	112	200	7.38	
EXT DRO >C28-C36	84.2	10.0	11/14/2018	ND					

Surrogate: 1-Chlorooctane 96.0 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

COG OPERATING  
SHELDON HITCHCOCK  
P. O. BOX 1630  
ARTESIA NM, 88210  
Fax To: NONE

Received: 11/13/2018  
Reported: 11/15/2018  
Project Name: CONDOR STATE #2H  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/13/2018  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: NORTH (H803294-04)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2018	ND	2.55	128	2.00	0.219		
Toluene*	<0.050	0.050	11/14/2018	ND	2.58	129	2.00	0.195		
Ethylbenzene*	<0.050	0.050	11/14/2018	ND	2.50	125	2.00	1.66		
Total Xylenes*	<0.150	0.150	11/14/2018	ND	7.40	123	6.00	1.76		
Total BTEx	<0.300	0.300	11/14/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	11/15/2018	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	11/14/2018	ND	210	105	200	0.0153	
DRO >C10-C28*	46.0	10.0	11/14/2018	ND	224	112	200	7.38	
EXT DRO >C28-C36	15.3	10.0	11/14/2018	ND					

Surrogate: 1-Chlorooctane 94.0 % 41-142

Surrogate: 1-Chlorooctadecane 95.0 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

COG OPERATING  
SHELDON HITCHCOCK  
P. O. BOX 1630  
ARTESIA NM, 88210  
Fax To: NONE

Received: 11/13/2018  
Reported: 11/15/2018  
Project Name: CONDOR STATE #2H  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/13/2018  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SOUTH (H803294-05)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2018	ND	1.82	90.8	2.00	1.37		
Toluene*	<0.050	0.050	11/14/2018	ND	2.01	101	2.00	4.62		
Ethylbenzene*	<0.050	0.050	11/14/2018	ND	2.10	105	2.00	4.65		
Total Xylenes*	<0.150	0.150	11/14/2018	ND	6.39	107	6.00	4.19		
Total BTEX	<0.300	0.300	11/14/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

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	11/15/2018	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	11/14/2018	ND	210	105	200	0.0153	
DRO >C10-C28*	<10.0	10.0	11/14/2018	ND	224	112	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	11/14/2018	ND					

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 96.6 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

COG OPERATING  
SHELDON HITCHCOCK  
P. O. BOX 1630  
ARTESIA NM, 88210  
Fax To: NONE

Received: 11/13/2018  
Reported: 11/15/2018  
Project Name: CONDOR STATE #2H  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/13/2018  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: EAST (H803294-06)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2018	ND	1.82	90.8	2.00	1.37		
Toluene*	<0.050	0.050	11/14/2018	ND	2.01	101	2.00	4.62		
Ethylbenzene*	<0.050	0.050	11/14/2018	ND	2.10	105	2.00	4.65		
Total Xylenes*	<0.150	0.150	11/14/2018	ND	6.39	107	6.00	4.19		
Total BTEX	<0.300	0.300	11/14/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	11/15/2018	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	11/14/2018	ND	210	105	200	0.0153	
DRO >C10-C28*	15.5	10.0	11/14/2018	ND	224	112	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	11/14/2018	ND					

Surrogate: 1-Chlorooctane 88.8 % 41-142

Surrogate: 1-Chlorooctadecane 89.5 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

COG OPERATING  
SHELDON HITCHCOCK  
P. O. BOX 1630  
ARTESIA NM, 88210  
Fax To: NONE

Received: 11/13/2018  
Reported: 11/15/2018  
Project Name: CONDOR STATE #2H  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/13/2018  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: WEST (H803294-07)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2018	ND	1.82	90.8	2.00	1.37	
Toluene*	<0.050	0.050	11/14/2018	ND	2.01	101	2.00	4.62	
Ethylbenzene*	<0.050	0.050	11/14/2018	ND	2.10	105	2.00	4.65	
Total Xylenes*	<0.150	0.150	11/14/2018	ND	6.39	107	6.00	4.19	
Total BTX	<0.300	0.300	11/14/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	11/15/2018	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	11/14/2018	ND	188	94.1	200	4.48	
DRO >C10-C28*	53.2	10.0	11/14/2018	ND	196	98.2	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	11/14/2018	ND					

Surrogate: 1-Chlorooctane 89.9 % 41-142

Surrogate: 1-Chlorooctadecane 97.0 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



---

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---

### Notes and Definitions

BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

<b>Company Name:</b> Concho Resources			<b>BILL TO</b>															
<b>Project Manager:</b> Sheldon Hitchcock			P.O. #:															
<b>Address:</b> 2407 Pecos Avenue			<b>Company:</b> COG															
<b>City:</b> Artesia	<b>State:</b> NM	<b>zip:</b> 88210	<b>Attn:</b> Robert McNeill															
<b>Phone #:</b> 575-703-6475	<b>Fax #:</b>		<b>Address:</b>															
<b>Project #:</b>	<b>Project Owner:</b> Concho		<b>City:</b>															
<b>Project Name:</b>	CONCHO STATE AZ H		<b>State:</b>	<b>Zip:</b>														
<b>Project Location:</b>			<b>Phone #:</b>															
<b>Sample Name:</b>			<b>Fax #:</b>															
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	X	TPH - EXTENDED	SCORINGS								
H803894	SP1 - BTM					11-13-18	9:00 AM	x										
	SP2 - MTM						9:05 AM	x										
	SP3 BTM						9:10 AM	x										
	NORTH						9:15 AM	x										
	SOUTH						9:30 AM	x										
	EAST						9:35 AM	x										
	WEST						9:40 AM	x										
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.																		
<b>Relinquished By:</b>	Date:	Received By:																
Dickson	11-13-18	[Signature]																
<b>Time:</b>	12:40																	
<b>Date:</b>																		
<b>Time:</b>																		
<b>Delivered By:</b> (Circle One)			<b>Sample Condition</b>			<b>CHECKED BY:</b>												
<b>Sampler - UPS - Bus - Other:</b>			<b>Cool</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Intact</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Initials)													
A.C.E #97					T.G.													
			<b>REMARKS:</b>															
			<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Add'l Phone #:</b>														
			<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Add'l Fax #:</b>														





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

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November 29, 2018

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: CONDOR STATE #2H

Enclosed are the results of analyses for samples received by the laboratory on 11/21/18 7:30.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

COG OPERATING  
 DAKOTA NEEL  
 P. O. BOX 1630  
 ARTESIA NM, 88210  
 Fax To: NONE

Received: 11/21/2018  
 Reported: 11/29/2018  
 Project Name: CONDOR STATE #2H  
 Project Number: NONE GIVEN  
 Project Location: BUCKEYE AREA

Sampling Date: 11/20/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: BOTTOM CONDOR STATE 002H (H803418-01)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/27/2018	ND	2.07	104	2.00	6.57		
Toluene*	<0.050	0.050	11/27/2018	ND	2.04	102	2.00	6.45		
Ethylbenzene*	<0.050	0.050	11/27/2018	ND	1.97	98.4	2.00	5.48		
Total Xylenes*	<0.150	0.150	11/27/2018	ND	5.79	96.5	6.00	5.61		
Total BTEX	<0.300	0.300	11/27/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/28/2018	ND	400	100	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	11/27/2018	ND	210	105	200	4.32	
DRO >C10-C28*	23.8	10.0	11/27/2018	ND	215	107	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	11/27/2018	ND					

Surrogate: 1-Chlorooctane 91.2 % 41-142

Surrogate: 1-Chlorooctadecane 97.5 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

COG OPERATING  
 DAKOTA NEEL  
 P. O. BOX 1630  
 ARTESIA NM, 88210  
 Fax To: NONE

Received: 11/21/2018  
 Reported: 11/29/2018  
 Project Name: CONDOR STATE #2H  
 Project Number: NONE GIVEN  
 Project Location: BUCKEYE AREA

Sampling Date: 11/20/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: NORTH WALL CONDOR STATE 002H (H803418-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/27/2018	ND	2.07	104	2.00	6.57		
Toluene*	<0.050	0.050	11/27/2018	ND	2.04	102	2.00	6.45		
Ethylbenzene*	<0.050	0.050	11/27/2018	ND	1.97	98.4	2.00	5.48		
Total Xylenes*	<0.150	0.150	11/27/2018	ND	5.79	96.5	6.00	5.61		
Total BTEX	<0.300	0.300	11/27/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	11/28/2018	ND	400	100	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	11/27/2018	ND	210	105	200	4.32	
DRO >C10-C28*	154	10.0	11/27/2018	ND	215	107	200	4.73	
EXT DRO >C28-C36	29.0	10.0	11/27/2018	ND					

Surrogate: 1-Chlorooctane 87.6 % 41-142

Surrogate: 1-Chlorooctadecane 99.9 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



# APPENDIX VII



132.740203 -103.481916









**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 163351

**CONDITIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 163351
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

**CONDITIONS**

Created By	Condition	Condition Date
bhall	Remediated area must comply with 19.15.29.13 NMAC upon plugging and abandonment.	12/2/2022