



[Dakota Neel]  
[HSE Coordinator]

June 11<sup>th</sup> 2018

Olivia Yu  
Oil Conservation Division  
District 1 – Hobbs  
1625 N. French Dr.  
Hobbs, NM 88240

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

**Re: Closure Report  
Vast State #002H  
API #: 30-025-42942  
RP#: 1RP-4489  
Unit Letter P Section 17, Township 26S, Range 33E  
Lea County, NM**

Ms. Yu/Mr. Mann,

COG Operating, LLC (COG) is pleased to submit for your consideration the following closure report for the Vast State #002H. This closure report is in reference to releases that occurred on October 23, 2016. A work plan was submitted to the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (NMSLO) on March 23, 2017. The work plan was approved by the NMOCD and the NMSLO on April 13, 2017 and April 24, 2017 respectively.

## **BACKGROUND**

The release occurred on October 23, 2016, and released approximately seventy (70) barrels (bbls) of oil due to a 3<sup>rd</sup> party trucking company overrunning their truck. A total of fifteen (15) bbls were recovered from the release. This release remained entirely on the well pad.

June 11, 2018

## REMEDIAL ACTIONS

- The impacted areas of SP1, SP2, and SP4 were excavated to six (6) inches BGS
- The impacted areas surrounding SP3, SP5, and SP6 were excavated to one (1) foot BGS
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- The excavation was backfilled with like material and contoured to match the surrounding location.

Based on the information provided, COG Operating LLC, would like to request closure of the RP number 1RP-4489 associated with this release. Please feel free to contact me with any questions or concerns at (432) 215-2783.

Sincerely,



Dakota Neel  
HSE Coordinator  
[Dneel2@concho.com](mailto:Dneel2@concho.com)

Enclosed:

1. C-141 Initial (Copy)
2. C-141 Final
3. Approved Workplan

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 August 8, 2011

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

### Release Notification and Corrective Action

#### OPERATOR

Initial Report  Final Report

|   |                             |
|---|-----------------------------|
| Name of Company: COG Operating LLC                  | Contact: Robert McNeill     |
| Address: 600 West Illinois Avenue, Midland TX 79701 | Telephone No. 432-683-7443  |
| Facility Name: VAST STATE #002H                     | Facility Type: Tank Battery |

|                      |                |                      |
|----------------------|----------------|----------------------|
| Surface Owner: State | Mineral Owner: | API No. 30-025-42942 |
|----------------------|----------------|----------------------|

#### LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| P           | 17      | 26S      | 33E   | 210'          | South            | 350'          | East           | Lea    |

Latitude 32.03682817 Longitude 103.5868833

#### NATURE OF RELEASE

|  |  |  |
|--|--|--|
| Type of Release: Oil   | Volume of Release: 70bbls                                      | Volume Recovered: 15bbls                       |
| Source of Release: Transport Hauler  | Date and Hour of Occurrence: 10/23/2016 5:00 pm                | Date and Hour of Discovery: 10/23/2016 5:00 pm |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>Kristen Lynch - NMOCD / Amber Groves - SLO |  |
| By Whom? Robert Grubbs Jr.   | Date and Hour: Mon 10/24/2016 3:07 PM                          |  |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.                      |  |

If a Watercourse was Impacted, Describe Fully.\*


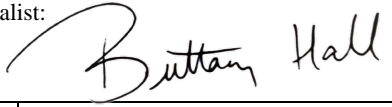
Describe Cause of Problem and Remedial Action Taken.\*

This release was located on the pad. The release was caused by third party loading from the battery and failed to open the vent valve causing the transport to pressure up and blow out the hatch.

Describe Area Affected and Cleanup Action Taken.\*

This release was contained on the pad. This release has been remediated according to the workplan approved by the NMOCD and NMSLO.

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:<br> | <b>OIL CONSERVATION DIVISION</b>   |                                   |
|   | Approved by Environmental Specialist:<br> |                                   |
| Printed Name: Dakota Neel   | Approval Date: 11/18/2022  | Expiration Date:                  |
| Title: HSE Coordinator  | Conditions of Approval:  |                                   |
| E-mail Address: dneel2@concho.com   | none   | Attached <input type="checkbox"/> |
| Date: June 11, 2018 Phone: 575-746-2010   |  |                                   |

\* Attach Additional Sheets If Necessary

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 August 8, 2011

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

### Release Notification and Corrective Action

#### OPERATOR

Initial Report  Final Report

|   |                             |
|---|-----------------------------|
| Name of Company: COG Operating LLC                  | Contact: Robert McNeill     |
| Address: 600 West Illinois Avenue, Midland TX 79701 | Telephone No. 432-683-7443  |
| Facility Name: VAST STATE #002H                     | Facility Type: Tank Battery |

|                      |                |                      |
|----------------------|----------------|----------------------|
| Surface Owner: State | Mineral Owner: | API No. 30-025-42942 |
|----------------------|----------------|----------------------|

#### LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| P           | 17      | 26S      | 33E   | 210'          | South            | 350'          | East           | Lea    |

Latitude 32.03682817 Longitude 103.5868833

#### NATURE OF RELEASE

|  |  |  |
|--|--|--|
| Type of Release: Oil   | Volume of Release: 70bbls                                      | Volume Recovered: 15bbls                       |
| Source of Release: Transport Hauler  | Date and Hour of Occurrence: 10/23/2016 5:00 pm                | Date and Hour of Discovery: 10/23/2016 5:00 pm |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>Kristen Lynch - NMOCD / Amber Groves - SLO |  |
| By Whom? Robert Grubbs Jr.   | Date and Hour: Mon 10/24/2016 3:07 PM                          |  |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.                      |  |

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

This release was located on the pad. The release was caused by third party loading from the battery and failed to open the vent valve causing the transport to pressure up and blow out the hatch.

Describe Area Affected and Cleanup Action Taken.\*

This release was contained on the pad. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|  |                                       |                  |                                   |
|--|---------------------------------------|------------------|-----------------------------------|
| Signature:   | <b>OIL CONSERVATION DIVISION</b>      |                  |                                   |
| Printed Name: Robert Grubbs Jr.  | Approved by Environmental Specialist: |                  |                                   |
| Title: Senior Environmental Coordinator                                    | Approval Date:                        | Expiration Date: |                                   |
| E-mail Address: <a href="mailto:rgrubbs@concho.com">rgrubbs@concho.com</a> | Conditions of Approval:               |                  | Attached <input type="checkbox"/> |
| Date: October 28, 2016 Phone: 432-683-7443                                 |                                       |                  |                                   |

\* Attach Additional Sheets If Necessary



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

---

## DELINEATION WORKPLAN

### COG – VAST STATE #002H (Leak Date: 10/23/16)

#### RP # 1RP-4489

---

This delineation workplan and remediation proposal addresses the release associated with RP # 1 RP-4489.

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 entire leak area will be excavated to a depth of 6 inches.***

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, Vast State #002H

Leak Date: 10/23/2016  
Lea County, NM  
API# 30-025-42942  
RP# 1RP-4489

## Legend

- 6 Inch Excavation
- East Sample
- Sample Points, Hand Auger
- Leak Point
- Location Pad
- North Sample
- South Sample
- Spill Area
- Tank Battery
- West Sample



Released to Imaging: 11/18/2022 10:14:38 AM

Received by OCD: 11/18/2022 10:13:24 AM

COG, Vast State #002H

Samples, Hand Auger

SP1, GPS point: N 32.03704° W-103.58654°

SP2, GPS point: N 32.03694° W-103.58660°

SP3, GPS point: N 32.03679° W-103.58661°

SP4, GPS point: N 32.03666° W-103.58655°

SP5, GPS point: N 32.03665° W-103.58678°

SP6, GPS point: N 32.03693° W-103.58678°

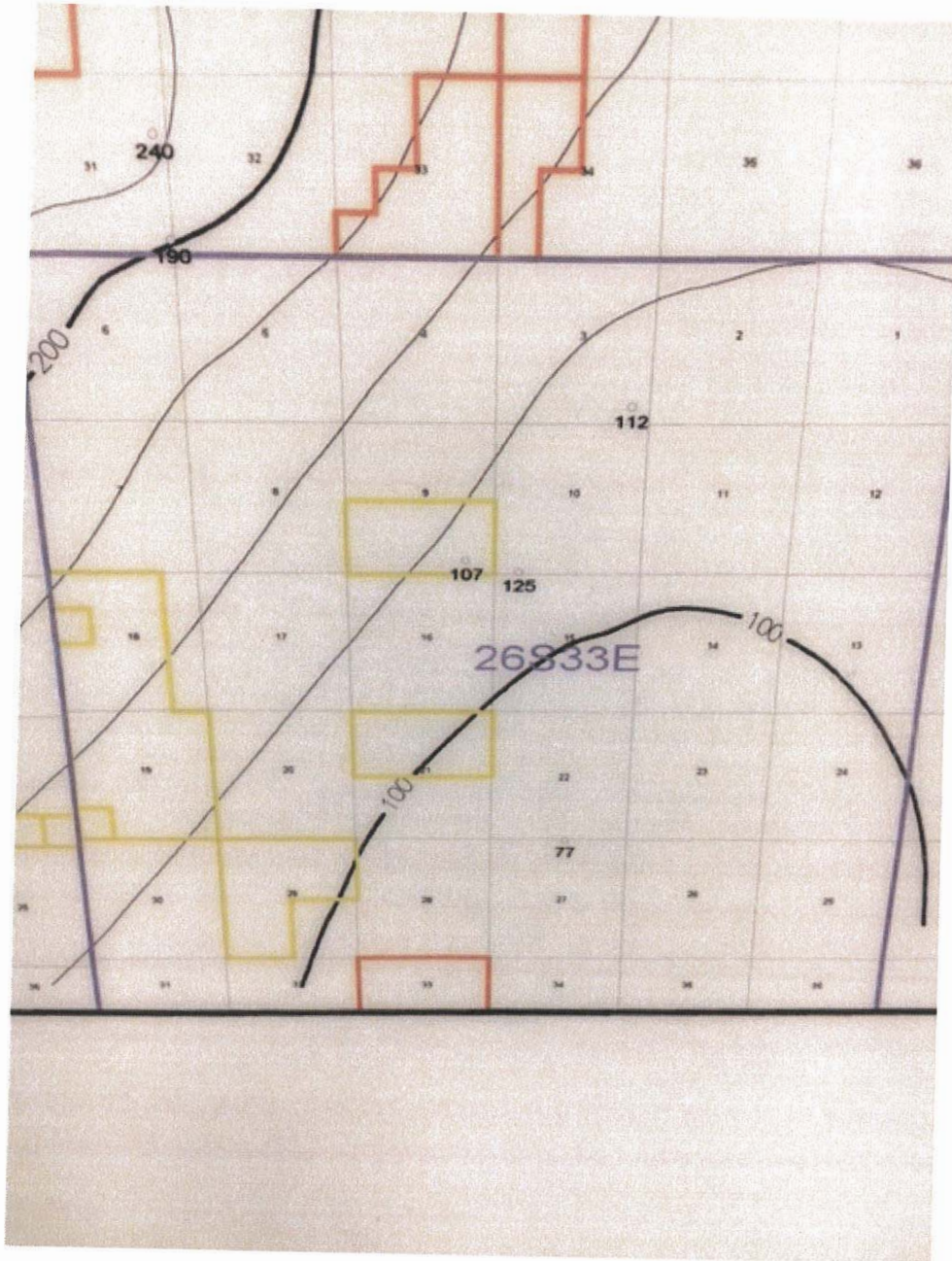
Samples, Hand Auger

North Sample, GPS point: N 32.03712° W-103.58652°

South Sample, GPS point: N 32.03654° W-103.58681°

East Sample, GPS point: N 32.03678° W-103.58649°

West Sample, GPS point: N 32.03692° W-103.58689°







# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number              | Code | POD Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng    | X        | Y | Distance | DepthWell | DepthWater | Water Column |
|-------------------------|------|---------------|--------|------|------|-----|-----|-----|--------|----------|---|----------|-----------|------------|--------------|
| <a href="#">C_02273</a> |      |               | LE     | 1    | 2    | 21  | 26S | 33E | 634549 | 3545134* |   | 1273     | 160       | 120        | 40           |

Average Depth to Water: **120 feet**  
 Minimum Depth: **120 feet**  
 Maximum Depth: **120 feet**

**Record Count: 1**

**UTM NAD83 Radius Search (in meters):**

**Easting (X):** 633336

**Northing (Y):** 3545523

**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.

2/27/17 3:51 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

**Public Land Survey System (PLSS)**

Q64:  Q16: SE  Q4: SE  Sec: 17  Tws: 26S  Rng: 33E

**State Plane Coordinate System - NAD27**

X:  ft Y:  ft Zone:

**State Plane Coordinate System - NAD83**

X:  ft Y:  ft Zone:

**Degrees/Minutes/Seconds**

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

**UTM - NAD27**

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

**SUBMIT**

**All Conversion Results are displayed as NAD 1983 UTM Zone 13**

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

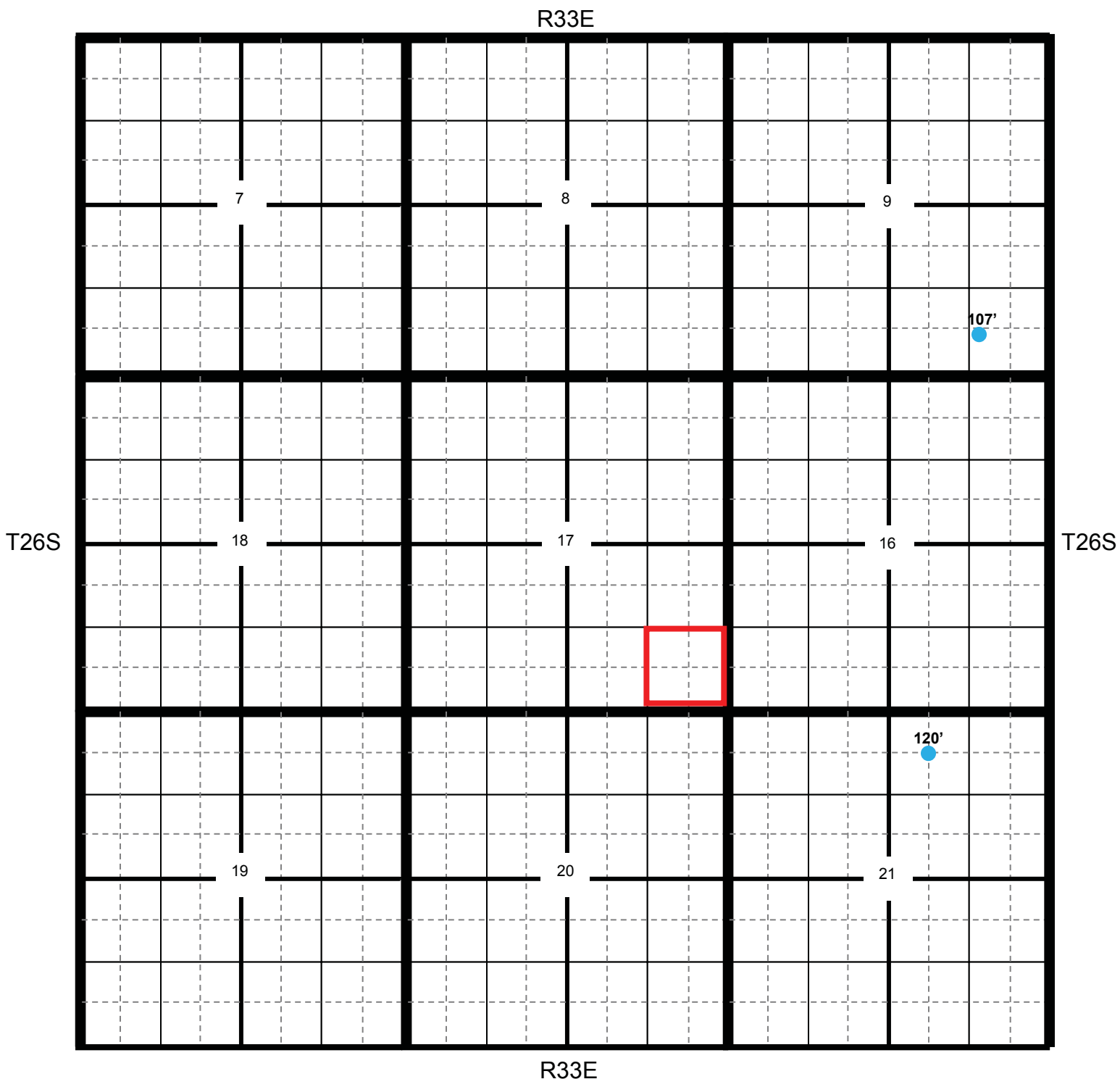
~~ Please keep screen open to copy UTM values for Reports. ~~



# Groundwater Plot COG Vast State #002H

|                      |                         |                      |                        |                     |
|----------------------|-------------------------|----------------------|------------------------|---------------------|
| <b>County</b><br>Lea | <b>Unit Letter</b><br>P | <b>Section</b><br>17 | <b>Township</b><br>26S | <b>Range</b><br>33E |
|----------------------|-------------------------|----------------------|------------------------|---------------------|

Trend Map 125'



\* Location
● OCD
● USGS
● SEO
● All Databases



Section Quarters

COG Vast State #002H

|                      |                         |                      |                        |                     |
|----------------------|-------------------------|----------------------|------------------------|---------------------|
| <b>County</b><br>Lea | <b>Unit Letter</b><br>P | <b>Section</b><br>17 | <b>Township</b><br>26S | <b>Range</b><br>33E |
|----------------------|-------------------------|----------------------|------------------------|---------------------|

Trend Map 125'

1

2

|                            |               |               |               |
|----------------------------|---------------|---------------|---------------|
| NW/NW<br><b>None found</b> | NE/NW         | NW/NE         | NE/NE         |
| Unit Letter D              | Unit Letter C | Unit Letter B | Unit Letter A |
| SW/NW                      | SE/NW         | SW/NE         | SE/NE         |
| Unit Letter E              | Unit Letter F | Unit Letter G | Unit Letter H |
| NW/SW                      | NE/SW         | NW/SE         | NE/SE         |
| Unit Letter L              | Unit Letter K | Unit Letter J | Unit Letter I |
| SW/SW                      | SE/SW         | SW/SE         | SE/SE         |
| Unit Letter M              | Unit Letter N | Unit Letter O | Unit Letter P |

3

4

✳ Location     
 ● OCD     
 ● USGS     
 ● SEO     
 ● All Databases

Laboratory Analytical Results Summary  
Vast State #002H

| Analyte       | Method     | Sample Date | SP1 @ 1' | SP1 @ 2' | SP1 @ 3' |
|---------------|------------|-------------|----------|----------|----------|
|               |            |             | 1/30/17  | 1/30/17  | 1/30/17  |
|               |            |             | mg/Kg    | mg/Kg    | mg/Kg    |
| Benzene       | BTEX 8021B |             | 0.101    | <0.050   | <0.050   |
| Toluene       | BTEX 8021B |             | 4.72     | 0.179    | <0.050   |
| Ethylbenzene  | BTEX 8021B |             | 5.97     | 0.325    | <0.050   |
| Total Xylenes | BTEX 8021B |             | 22.2     | 1.28     | <0.150   |
| Total BTEX    | BTEX 8021B |             | 33       | 1.79     | <0.300   |
| GRO           | TPH 8015M  |             | 234      | 14.9     | <10.0    |
| DRO           | TPH 8015M  |             | 784      | 123      | <10.0    |

| Analyte       | Method     | Sample Date | SP5 @ SURFACE | SP5 @ 1' |
|---------------|------------|-------------|---------------|----------|
|               |            |             | 1/30/17       | 1/30/17  |
|               |            |             | mg/Kg         | mg/Kg    |
| Benzene       | BTEX 8021B |             | <0.200        | <0.050   |
| Toluene       | BTEX 8021B |             | 4.74          | <0.050   |
| Ethylbenzene  | BTEX 8021B |             | 3.9           | <0.050   |
| Total Xylenes | BTEX 8021B |             | 15.1          | <0.150   |
| Total BTEX    | BTEX 8021B |             | 23.7          | <0.300   |
| GRO           | TPH 8015M  |             | 241           | <10.0    |
| DRO           | TPH 8015M  |             | 23400         | 10.5     |

| Analyte       | Method     | Sample Date | SP2 @ 1' | SP2 @ 2' |
|---------------|------------|-------------|----------|----------|
|               |            |             | 1/30/17  | 1/30/17  |
|               |            |             | mg/Kg    | mg/Kg    |
| Benzene       | BTEX 8021B |             | <0.050   | <0.050   |
| Toluene       | BTEX 8021B |             | <0.050   | <0.050   |
| Ethylbenzene  | BTEX 8021B |             | <0.050   | <0.050   |
| Total Xylenes | BTEX 8021B |             | <0.150   | <0.150   |
| Total BTEX    | BTEX 8021B |             | <0.300   | <0.300   |
| GRO           | TPH 8015M  |             | <10.0    | <10.0    |
| DRO           | TPH 8015M  |             | 35.6     | 27.8     |

| Analyte       | Method     | Sample Date | SP6 @ SURFACE | SP6 @ 1' |
|---------------|------------|-------------|---------------|----------|
|               |            |             | 1/30/17       | 1/30/17  |
|               |            |             | mg/Kg         | mg/Kg    |
| Benzene       | BTEX 8021B |             | <0.500        | <0.050   |
| Toluene       | BTEX 8021B |             | 12.3          | <0.050   |
| Ethylbenzene  | BTEX 8021B |             | 16.3          | <0.050   |
| Total Xylenes | BTEX 8021B |             | 66.9          | <0.150   |
| Total BTEX    | BTEX 8021B |             | 95.5          | <0.300   |
| GRO           | TPH 8015M  |             | 698           | <10.0    |
| DRO           | TPH 8015M  |             | 6870          | <10.0    |

| Analyte       | Method     | Sample Date | SP3 @ SURFACE | SP3 @ 1' |
|---------------|------------|-------------|---------------|----------|
|               |            |             | 1/30/17       | 1/30/17  |
|               |            |             | mg/Kg         | mg/Kg    |
| Benzene       | BTEX 8021B |             | <0.050        | <0.050   |
| Toluene       | BTEX 8021B |             | 0.112         | <0.050   |
| Ethylbenzene  | BTEX 8021B |             | 0.212         | <0.050   |
| Total Xylenes | BTEX 8021B |             | 1.32          | <0.150   |
| Total BTEX    | BTEX 8021B |             | 1.65          | <0.300   |
| GRO           | TPH 8015M  |             | <100          | <10.0    |
| DRO           | TPH 8015M  |             | 13700         | <10.0    |

| Analyte       | Method     | Sample Date | NORTH @ SURFACE |
|---------------|------------|-------------|-----------------|
|               |            |             | 1/30/17         |
|               |            |             | mg/Kg           |
| Benzene       | BTEX 8021B |             | <0.050          |
| Toluene       | BTEX 8021B |             | <0.050          |
| Ethylbenzene  | BTEX 8021B |             | <0.050          |
| Total Xylenes | BTEX 8021B |             | <0.150          |
| Total BTEX    | BTEX 8021B |             | <0.300          |
| GRO           | TPH 8015M  |             | <10.0           |
| DRO           | TPH 8015M  |             | <10.0           |

| Analyte    | Method     | Sample Date | WEST @ SURFACE |
|------------|------------|-------------|----------------|
|            |            |             | 1/30/17        |
|            |            |             | mg/Kg          |
| Benzene    | BTEX 8021B |             | <0.050         |
| Toluene    | BTEX 8021B |             | <0.050         |
| Ethylbenz  | BTEX 8021B |             | <0.050         |
| Total Xyle | BTEX 8021B |             | <0.150         |
| Total BTE  | BTEX 8021B |             | <0.300         |
| GRO        | TPH 8015M  |             | <10.0          |
| DRO        | TPH 8015M  |             | <10.0          |

| Analyte       | Method     | Sample Date | SP4 @ 1' | SP4 @ 2' |
|---------------|------------|-------------|----------|----------|
|               |            |             | 1/30/17  | 1/30/17  |
|               |            |             | mg/Kg    | mg/Kg    |
| Benzene       | BTEX 8021B |             | <0.200   | <0.050   |
| Toluene       | BTEX 8021B |             | 7.98     | <0.050   |
| Ethylbenzene  | BTEX 8021B |             | 9.26     | <0.050   |
| Total Xylenes | BTEX 8021B |             | 37.1     | <0.150   |
| Total BTEX    | BTEX 8021B |             | 54.3     | <0.300   |
| GRO           | TPH 8015M  |             | 298      | <10.0    |
| DRO           | TPH 8015M  |             | 1260     | <10.0    |

| Analyte       | Method     | Sample Date | EAST @ SURFACE |
|---------------|------------|-------------|----------------|
|               |            |             | 1/30/17        |
|               |            |             | mg/Kg          |
| Benzene       | BTEX 8021B |             | <0.050         |
| Toluene       | BTEX 8021B |             | <0.050         |
| Ethylbenzene  | BTEX 8021B |             | <0.050         |
| Total Xylenes | BTEX 8021B |             | <0.150         |
| Total BTEX    | BTEX 8021B |             | <0.300         |
| GRO           | TPH 8015M  |             | <10.0          |
| DRO           | TPH 8015M  |             | <10.0          |

| Analyte    | Method     | Sample Date | SOUTH @ SURFACE |
|------------|------------|-------------|-----------------|
|            |            |             | 1/30/17         |
|            |            |             | mg/Kg           |
| Benzene    | BTEX 8021B |             | <0.050          |
| Toluene    | BTEX 8021B |             | <0.050          |
| Ethylbenz  | BTEX 8021B |             | <0.050          |
| Total Xyle | BTEX 8021B |             | <0.150          |
| Total BTE  | BTEX 8021B |             | <0.300          |
| GRO        | TPH 8015M  |             | <10.0           |
| DRO        | TPH 8015M  |             | <10.0           |



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

---

February 09, 2017

Cliff Brunson  
BBC International, Inc.  
P.O. Box 805  
Hobbs, NM 88241

RE: VAST STATE #002H

Enclosed are the results of analyses for samples received by the laboratory on 02/02/17 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](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".

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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SP1 @ 1' (H700256-01)**

| BTEX 8021B            |              | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte               | Result       | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Benzene*</b>       | <b>0.101</b> | 0.100           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 1.86 |           |
| <b>Toluene*</b>       | <b>4.72</b>  | 0.100           | 02/04/2017 | ND              | 2.15 | 107        | 2.00          | 1.48 |           |
| <b>Ethylbenzene*</b>  | <b>5.97</b>  | 0.100           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 1.77 |           |
| <b>Total Xylenes*</b> | <b>22.2</b>  | 0.300           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 1.96 |           |
| <b>Total BTEX</b>     | <b>33.0</b>  | 0.600           | 02/04/2017 | ND              |      |            |               |      |           |

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

| 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>234</b> | 10.0            | 02/03/2017 | ND              | 171 | 85.3       | 200           | 0.147 |           |
| <b>DRO &gt;C10-C28</b> | <b>784</b> | 10.0            | 02/03/2017 | ND              | 173 | 86.6       | 200           | 5.47  |           |

Surrogate: 1-Chlorooctane 105 % 35-147

Surrogate: 1-Chlorooctadecane 110 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SP1 @ 2' (H700256-02)**

| 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           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 1.86 |           |
| <b>Toluene*</b>       | <b>0.179</b> | 0.050           | 02/04/2017 | ND              | 2.15 | 107        | 2.00          | 1.48 |           |
| <b>Ethylbenzene*</b>  | <b>0.325</b> | 0.050           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 1.77 |           |
| <b>Total Xylenes*</b> | <b>1.28</b>  | 0.150           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 1.96 |           |
| <b>Total BTEX</b>     | <b>1.79</b>  | 0.300           | 02/04/2017 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

| 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>14.9</b> | 10.0            | 02/03/2017 | ND              | 171 | 85.3       | 200           | 0.147 |           |
| <b>DRO &gt;C10-C28</b> | <b>123</b>  | 10.0            | 02/03/2017 | ND              | 173 | 86.6       | 200           | 5.47  |           |

Surrogate: 1-Chlorooctane 81.4 % 35-147

Surrogate: 1-Chlorooctadecane 96.4 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager





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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SP1 @ 3' (H700256-03)**

| 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           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 1.86 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.15 | 107        | 2.00          | 1.48 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 1.77 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 1.96 |           |  |
| Total BTEX     | <0.300 | 0.300           | 02/04/2017 | ND              |      |            |               |      |           |  |

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

| 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            | 02/03/2017 | ND              | 171 | 85.3       | 200           | 0.147 |           |  |
| DRO >C10-C28 | <10.0  | 10.0            | 02/03/2017 | ND              | 173 | 86.6       | 200           | 5.47  |           |  |

Surrogate: 1-Chlorooctane 85.6 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SP2 @ 1' (H700256-04)**

| 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           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 1.86 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.15 | 107        | 2.00          | 1.48 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 1.77 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 1.96 |           |  |
| Total BTEX     | <0.300 | 0.300           | 02/04/2017 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

| 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            | 02/03/2017 | ND              | 171 | 85.3       | 200           | 0.147 |           |  |
| <b>DRO &gt;C10-C28</b> | <b>35.6</b> | 10.0            | 02/03/2017 | ND              | 173 | 86.6       | 200           | 5.47  |           |  |

Surrogate: 1-Chlorooctane 72.6 % 35-147

Surrogate: 1-Chlorooctadecane 89.4 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SP2 @ 2' (H700256-05)**

| 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           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 1.86 |           |
| Toluene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.15 | 107        | 2.00          | 1.48 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 1.77 |           |
| Total Xylenes* | <0.150 | 0.150           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 1.96 |           |
| Total BTEX     | <0.300 | 0.300           | 02/04/2017 | ND              |      |            |               |      |           |

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

| 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            | 02/03/2017 | ND              | 171 | 85.3       | 200           | 0.147 |           |
| <b>DRO &gt;C10-C28</b> | <b>27.8</b> | 10.0            | 02/03/2017 | ND              | 173 | 86.6       | 200           | 5.47  |           |

Surrogate: 1-Chlorooctane 82.3 % 35-147

Surrogate: 1-Chlorooctadecane 99.3 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SP3 @ SURFACE (H700256-06)**

| 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           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 1.86 |           |
| <b>Toluene*</b>       | <b>0.112</b> | 0.050           | 02/04/2017 | ND              | 2.15 | 107        | 2.00          | 1.48 |           |
| <b>Ethylbenzene*</b>  | <b>0.212</b> | 0.050           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 1.77 |           |
| <b>Total Xylenes*</b> | <b>1.32</b>  | 0.150           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 1.96 |           |
| <b>Total BTEX</b>     | <b>1.65</b>  | 0.300           | 02/04/2017 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 73.6-140

| 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             | 02/04/2017 | ND              | 172 | 85.8       | 200           | 3.77 |           |      |
| <b>DRO &gt;C10-C28</b> | <b>13700</b> | 100             | 02/04/2017 | ND              | 177 | 88.7       | 200           | 6.70 | QM-07     |      |

Surrogate: 1-Chlorooctane 94.9 % 35-147

Surrogate: 1-Chlorooctadecane 234 % 28-171

Cardinal Laboratories

\* = Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SP3 @ 1' (H700256-07)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 1.86 |           |
| Toluene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.15 | 107        | 2.00          | 1.48 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 1.77 |           |
| Total Xylenes* | <0.150 | 0.150           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 1.96 |           |
| Total BTEX     | <0.300 | 0.300           | 02/04/2017 | ND              |      |            |               |      |           |

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

| 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            | 02/03/2017 | ND              | 172 | 85.8       | 200           | 3.77 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 02/03/2017 | ND              | 177 | 88.7       | 200           | 6.70 |           |

Surrogate: 1-Chlorooctane 80.9 % 35-147

Surrogate: 1-Chlorooctadecane 86.2 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SP4 @ 1' (H700256-08)**

| BTEX 8021B            |             | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte               | Result      | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*              | <0.200      | 0.200           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 1.86 |           |
| <b>Toluene*</b>       | <b>7.98</b> | 0.200           | 02/04/2017 | ND              | 2.15 | 107        | 2.00          | 1.48 |           |
| <b>Ethylbenzene*</b>  | <b>9.26</b> | 0.200           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 1.77 |           |
| <b>Total Xylenes*</b> | <b>37.1</b> | 0.600           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 1.96 |           |
| <b>Total BTEX</b>     | <b>54.3</b> | 1.20            | 02/04/2017 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 126 % 73.6-140

| 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>298</b>  | 10.0            | 02/03/2017 | ND              | 172 | 85.8       | 200           | 3.77 |           |
| <b>DRO &gt;C10-C28</b> | <b>1260</b> | 10.0            | 02/03/2017 | ND              | 177 | 88.7       | 200           | 6.70 |           |

Surrogate: 1-Chlorooctane 106 % 35-147

Surrogate: 1-Chlorooctadecane 133 % 28-171

Cardinal Laboratories

\* = Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SP4 @ 2' (H700256-09)**

| 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           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 1.86 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.15 | 107        | 2.00          | 1.48 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 1.77 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 1.96 |           |  |
| Total BTEX     | <0.300 | 0.300           | 02/04/2017 | ND              |      |            |               |      |           |  |

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

| 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            | 02/03/2017 | ND              | 172 | 85.8       | 200           | 3.77 |           |  |
| DRO >C10-C28 | <10.0  | 10.0            | 02/03/2017 | ND              | 177 | 88.7       | 200           | 6.70 |           |  |

Surrogate: 1-Chlorooctane 76.0 % 35-147

Surrogate: 1-Chlorooctadecane 77.8 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SP5 @ SURFACE (H700256-10)**

| BTEX 8021B            |             | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte               | Result      | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*              | <0.200      | 0.200           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 1.86 |           |
| <b>Toluene*</b>       | <b>4.74</b> | 0.200           | 02/04/2017 | ND              | 2.15 | 107        | 2.00          | 1.48 |           |
| <b>Ethylbenzene*</b>  | <b>3.90</b> | 0.200           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 1.77 |           |
| <b>Total Xylenes*</b> | <b>15.1</b> | 0.600           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 1.96 |           |
| <b>Total BTEX</b>     | <b>23.7</b> | 1.20            | 02/04/2017 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 73.6-140

| 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>241</b>   | 50.0            | 02/03/2017 | ND              | 172 | 85.8       | 200           | 3.77 |           |      |
| <b>DRO &gt;C10-C28</b> | <b>23400</b> | 50.0            | 02/03/2017 | ND              | 177 | 88.7       | 200           | 6.70 |           |      |

Surrogate: 1-Chlorooctane 134 % 35-147

Surrogate: 1-Chlorooctadecane 1900 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager





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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SP5 @ 1' (H700256-11)**

| 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           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 1.86 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.15 | 107        | 2.00          | 1.48 | QM-07     |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 1.77 | QM-07     |  |
| Total Xylenes* | <0.150 | 0.150           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 1.96 | QM-07     |  |
| Total BTEX     | <0.300 | 0.300           | 02/04/2017 | ND              |      |            |               |      |           |  |

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

| 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            | 02/03/2017 | ND              | 172 | 85.8       | 200           | 3.77 |           |  |
| <b>DRO &gt;C10-C28</b> | <b>10.5</b> | 10.0            | 02/03/2017 | ND              | 177 | 88.7       | 200           | 6.70 |           |  |

Surrogate: 1-Chlorooctane 92.1 % 35-147

Surrogate: 1-Chlorooctadecane 89.6 % 28-171

Cardinal Laboratories

\* = Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SP6 @ SURFACE (H700256-12)**

| 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           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 0.345 |           |
| <b>Toluene*</b>       | <b>12.3</b> | 0.500           | 02/04/2017 | ND              | 2.16 | 108        | 2.00          | 0.631 |           |
| <b>Ethylbenzene*</b>  | <b>16.3</b> | 0.500           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 0.194 |           |
| <b>Total Xylenes*</b> | <b>66.9</b> | 1.50            | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 0.335 |           |
| <b>Total BTEX</b>     | <b>95.5</b> | 3.00            | 02/04/2017 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 120 % 73.6-140

| TPH 8015M              |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           | S-04 |
|------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte                | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |      |
| <b>GRO C6-C10</b>      | <b>698</b>  | 10.0            | 02/03/2017 | ND              | 172 | 85.8       | 200           | 3.77 |           |      |
| <b>DRO &gt;C10-C28</b> | <b>6870</b> | 10.0            | 02/03/2017 | ND              | 177 | 88.7       | 200           | 6.70 |           |      |

Surrogate: 1-Chlorooctane 162 % 35-147

Surrogate: 1-Chlorooctadecane 206 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SP6 @ 1' (H700256-13)**

| 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           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 0.345 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.16 | 108        | 2.00          | 0.631 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 0.194 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 0.335 |           |  |
| Total BTEX     | <0.300 | 0.300           | 02/04/2017 | ND              |      |            |               |       |           |  |

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

| 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            | 02/03/2017 | ND              | 172 | 85.8       | 200           | 3.77 |           |  |
| DRO >C10-C28 | <10.0  | 10.0            | 02/03/2017 | ND              | 177 | 88.7       | 200           | 6.70 |           |  |

Surrogate: 1-Chlorooctane 96.1 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: NORTH SAMPLE @ SURFACE (H700256-14)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 0.345 |           |
| Toluene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.16 | 108        | 2.00          | 0.631 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 0.194 |           |
| Total Xylenes* | <0.150 | 0.150           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 0.335 |           |
| Total BTEX     | <0.300 | 0.300           | 02/04/2017 | ND              |      |            |               |       |           |

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

| 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            | 02/03/2017 | ND              | 172 | 85.8       | 200           | 3.77 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 02/03/2017 | ND              | 177 | 88.7       | 200           | 6.70 |           |

Surrogate: 1-Chlorooctane 80.7 % 35-147

Surrogate: 1-Chlorooctadecane 84.3 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: EAST SAMPLE @ SURFACE (H700256-15)**

| 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           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 0.345 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.16 | 108        | 2.00          | 0.631 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 0.194 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 0.335 |           |  |
| Total BTEX     | <0.300 | 0.300           | 02/04/2017 | ND              |      |            |               |       |           |  |

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

| 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            | 02/03/2017 | ND              | 172 | 85.8       | 200           | 3.77 |           |  |
| DRO >C10-C28 | <10.0  | 10.0            | 02/03/2017 | ND              | 177 | 88.7       | 200           | 6.70 |           |  |

Surrogate: 1-Chlorooctane 76.2 % 35-147

Surrogate: 1-Chlorooctadecane 70.1 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: WEST SAMPLE @ SURFACE (H700256-16)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 0.345 |           |
| Toluene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.16 | 108        | 2.00          | 0.631 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 0.194 |           |
| Total Xylenes* | <0.150 | 0.150           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 0.335 |           |
| Total BTEX     | <0.300 | 0.300           | 02/04/2017 | ND              |      |            |               |       |           |

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

| 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            | 02/03/2017 | ND              | 172 | 85.8       | 200           | 3.77 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 02/03/2017 | ND              | 177 | 88.7       | 200           | 6.70 |           |

Surrogate: 1-Chlorooctane 68.6 % 35-147

Surrogate: 1-Chlorooctadecane 76.8 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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:         | 02/02/2017       | Sampling Date:      | 01/30/2017      |
| Reported:         | 02/09/2017       | Sampling Type:      | Soil            |
| Project Name:     | VAST STATE #002H | Sampling Condition: | Cool & Intact   |
| Project Number:   | NONE GIVEN       | Sample Received By: | Brittany Feller |
| Project Location: | LEA COUNTY, NM   |                     |                 |

**Sample ID: SOUTH SAMPLE @ SURFACE (H700256-17)**

| 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           | 02/04/2017 | ND              | 2.19 | 110        | 2.00          | 0.345 |           |
| Toluene*       | <0.050 | 0.050           | 02/04/2017 | ND              | 2.16 | 108        | 2.00          | 0.631 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 02/04/2017 | ND              | 2.17 | 108        | 2.00          | 0.194 |           |
| Total Xylenes* | <0.150 | 0.150           | 02/04/2017 | ND              | 6.13 | 102        | 6.00          | 0.335 |           |
| Total BTEX     | <0.300 | 0.300           | 02/04/2017 | ND              |      |            |               |       |           |

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

| 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            | 02/03/2017 | ND              | 172 | 85.8       | 200           | 3.77 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 02/03/2017 | ND              | 177 | 88.7       | 200           | 6.70 |           |

Surrogate: 1-Chlorooctane 80.8 % 35-147

Surrogate: 1-Chlorooctadecane 81.5 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

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.
- 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

Cardinal Laboratories

\*=Accredited Analyte

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

*Celey D. Keene*

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**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs  
 State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: VAST STATE #002H Project Owner: COG  
 Project Location: LEA COUNTY, NM  
 Sampler Name: KELLY LIMAS  
 P.O. #: Company: COG  
 Attn: Robert Gumbbs  
 Address: City: State: Zip:  
 Phone #: Fax #:

| Lab I.D. | Sample I.D.   | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX      |            |      |     |        |         | DATE     | TIME | TPH | BTEX |
|----------|---------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|----------|------|-----|------|
|          |               |                   |              | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : |          |      |     |      |
| 01       | SP1 @ 1'      |                   | 1            |             |            |      |     |        | 1/30/17 | 9:15 AM  | ✓    | ✓   |      |
| 02       | SP1 @ 2'      |                   | 1            |             |            |      |     |        | 1/30/17 | 9:35 AM  | ✓    | ✓   |      |
| 03       | SP1 @ 3'      |                   | 1            |             |            |      |     |        | 1/30/17 | 9:55 AM  | ✓    | ✓   |      |
| 04       | SP2 @ 1'      |                   | 1            |             |            |      |     |        | 1/30/17 | 10:26 AM | ✓    | ✓   |      |
| 05       | SP2 @ 2'      |                   | 1            |             |            |      |     |        | 1/30/17 | 10:42 AM | ✓    | ✓   |      |
| 06       | SP3 @ SURFACE |                   | 1            |             |            |      |     |        | 1/30/17 | 11:08 AM | ✓    | ✓   |      |
| 07       | SP3 @ 1'      |                   | 1            |             |            |      |     |        | 1/30/17 | 11:28 AM | ✓    | ✓   |      |
| 08       | SP4 @ 1'      |                   | 1            |             |            |      |     |        | 1/30/17 | 12:34 PM | ✓    | ✓   |      |
| 09       | SP4 @ 2'      |                   | 1            |             |            |      |     |        | 1/30/17 | 1:18 PM  | ✓    | ✓   |      |
| 10       | SP5 @ SURFACE |                   | 1            |             |            |      |     |        | 1/30/17 | 1:32 PM  | ✓    | ✓   |      |

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether stated in contract or not, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of analytical services rendered by Cardinal, regardless of whether such claim is made within any of the above stated timeframes or otherwise.

Relinquished By: *[Signature]* Received By: *[Signature]*  
 Date: 1/30/17  
 Time: 9:00pm  
 Delivered By: (Circle One) *[Signature]* Received By: *[Signature]*  
 Date: 1/30/17  
 Time: 9:00pm  
 Sampler - UPS - Bus - Other: -2.5°  
 Sample Condition:  Cool  Intact  
 Yes  No  
 CHECKED BY: *[Signature]*  
 REMARKS:



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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: *COE*  
 Project Name: VAST STATE #002H  
 Project Location: LEA COUNTY, NM  
 Sampler Name: KELLY LIMAS  
 P.O. #: Company: *COE*  
 Attn: *Grubbs*  
 Address: City: State: Zip:  
 Phone #: Fax #:

| Lab I.D.        | Sample I.D.            | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX      |            |      |     |        |         | PRESERV | SAMPLING | DATE    | TIME | TPH | BTEX |
|-----------------|------------------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|---------|----------|---------|------|-----|------|
|                 |                        |                   |              | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : |         |          |         |      |     |      |
| <i>H100256-</i> |                        |                   |              |             |            |      |     |        |         |         |          |         |      |     |      |
| 11              | SP5 @ 1'               |                   | 1            |             |            |      |     |        |         |         | 1/30/17  | 2:18 PM | ✓    | ✓   |      |
| 12              | SP6 @ SURFACE          |                   | 1            |             |            |      |     |        |         |         | 1/30/17  | 2:36 PM | ✓    | ✓   |      |
| 13              | SP6 @ 1'               |                   | 1            |             |            |      |     |        |         |         | 1/30/17  | 2:49 PM | ✓    | ✓   |      |
| 14              | NORTH SAMPLE @ SURFACE |                   | 1            |             |            |      |     |        |         |         | 1/30/17  | 3:10 PM | ✓    | ✓   |      |
| 15              | EAST SAMPLE @ SURFACE  |                   | 1            |             |            |      |     |        |         |         | 1/30/17  | 3:28 PM | ✓    | ✓   |      |
| 16              | WEST SAMPLE @ SURFACE  |                   | 1            |             |            |      |     |        |         |         | 1/30/17  | 3:35 PM | ✓    | ✓   |      |
| 17              | SOUTH SAMPLE @ SURFACE |                   | 1            |             |            |      |     |        |         |         | 1/30/17  | 4:00 PM | ✓    | ✓   |      |

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *Kelly Limas* Date: *1/30/17* Time: *5:30pm*  
 Received By: *Brittney Felm*  
 Delivered By: (Circle One) *UPS* - Bus - Other: *-2.50*  
 Sample Condition: Cool  Intact   
 Checked By: *BF*  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS:

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

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

State of New Mexico  
Energy Minerals and Natural Resources

Form C-141  
Revised August 8, 2011

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

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

### Release Notification and Corrective Action

#### OPERATOR

Initial Report     Final Report

|                  |  |                |                      |
|------------------|--|----------------|----------------------|
| Name of Company: | COG Operating LLC                          | Contact:       | Robert McNeill       |
| Address:         | 600 West Illinois Avenue, Midland TX 79701 | Telephone No.  | 432-683-7443         |
| Facility Name:   | VAST STATE #002H                           | Facility Type: | Tank Battery         |
| Surface Owner:   | State                                      | Mineral Owner: | API No. 30-025-42942 |

#### LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| P           | 17      | 26S      | 33E   | 210'          | South            | 350'          | East           | Lea    |

Latitude 32.03682817    Longitude 103.5868833

#### NATURE OF RELEASE

|                             |   |   |  |                             |                    |
|-----------------------------|---|---|--|-----------------------------|--------------------|
| Type of Release:            | Oil   | Volume of Release:                        | 70bbls                                     | Volume Recovered:           | 15bbls             |
| Source of Release:          | Transport Hauler  | Date and Hour of Occurrence:              | 10/23/2016 5:00 pm                         | Date and Hour of Discovery: | 10/23/2016 5:00 pm |
| Was Immediate Notice Given? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?                          | Kristen Lynch - NMOCD / Amber Groves - SLO |                             |                    |
| By Whom?                    | Robert Grubbs Jr.   | Date and Hour:                            | Mon 10/24/2016 3:07 PM                     |                             |                    |
| Was a Watercourse Reached?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                       | If YES, Volume Impacting the Watercourse. |  |                             |                    |

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*  
This release was located on the pad. The release was caused by third party loading from the battery and failed to open the vent valve causing the transport to pressure up and blow out the hatch.

Describe Area Affected and Cleanup Action Taken.\*  
This release was contained on the pad. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|                 |                                  |                                       |                                   |
|-----------------|----------------------------------|---------------------------------------|-----------------------------------|
| Signature:      | <b>OIL CONSERVATION DIVISION</b> |                                       |                                   |
| Printed Name:   | Robert Grubbs Jr.                | Approved by Environmental Specialist: |                                   |
| Title:          | Senior Environmental Coordinator | Approval Date:                        | Expiration Date:                  |
| E-mail Address: | rgrubbs@concho.com               | Conditions of Approval:               |                                   |
| Date:           | October 28, 2016                 | Phone:                                | 432-683-7443                      |
|                 |                                  |                                       | Attached <input type="checkbox"/> |

\* Attach Additional Sheets If Necessary

**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 160034

**CONDITIONS**

|   |  |
|---|--|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137   |
|   | Action Number:<br>160034   |
|   | Action Type:<br>[IM-SD] Incident File Support Doc (ENV) (IM-BNF) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| bhall      | None      | 11/18/2022     |