



## **DELINEATION WORKPLAN**

### **CHEVRON – LENTINI 12 FEDERAL #019**

**(Leak Date: 11/23/18)**

**RP # 2RP-5108**

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This delineation workplan and remediation proposal addresses the release associated with RP # 2RP-5108.

The following information includes:

1. Appropriate completed and signed C-141 pages.
2. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
3. GPS information for sample points and sample methodology.
4. Depth to groundwater information (i.e., pdf of OSE search results, USGS search results, and/or copy of Chevron groundwater trend map).
5. Watercourse/features map within 1000 feet.
6. BLM Cave Karst map.
7. FEMA National Flood map.
8. Laboratory analysis results summary table and original laboratory analysis reports.
9. 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:***

***Chevron will excavate the spill area as depicted on the following site diagram. The leak area near SP1 and SP3 (GREEN shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP2 (YELLOW shade on diagram) will be excavated to a depth of 1 foot.***

***Bottom confirmation samples will be collected at no greater than 50 ft. intervals. Estimated volume of material to be removed is 170 cubic yards. The remediation will be completed within 90 days of approval.***

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

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

|                |          |
|----------------|----------|
| Incident ID    |          |
| District RP    | 2RP-5108 |
| Facility ID    |          |
| Application ID |          |

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

|   |   |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release?   | <u>&lt;50</u> (ft bgs)  |
| Did this release impact groundwater or surface water?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico  
Oil Conservation Division

|                |          |
|----------------|----------|
| Incident ID    |          |
| District RP    | 2RP-5108 |
| Facility ID    |          |
| Application ID |          |

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

Printed Name: Amy BarnhillTitle: Waste & Water SpecialistSignature: Date: 2-25-19email: ABarnhill@chevron.comTelephone: (432)687-7108**OCD Only**

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

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

State of New Mexico  
Oil Conservation Division

|                |          |
|----------------|----------|
| Incident ID    |          |
| District RP    | 2RP-5108 |
| Facility ID    |          |
| Application ID |          |

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

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

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

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

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

Printed Name: Amy Barnhill Title: Waste & Water Specialist  
 Signature:  Date: 2-25-19  
 email: ABarnhill@chevron.com Telephone: (432) 687-7108

**OCD Only**

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

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

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



# Chevron, Lentini 12 Federal #019

Leak date: 11/23/18  
Eddy County, NM  
API# 30-015-28447  
2RP-5108

- Legend**
- 1 ft Excavation
  - 3 ft Excavation
  - Leak area
  - Sample points





Chevron, Lentini 12 Federal #019

Sample points

SP1, N 32.33324 W-104.04422

SP2, N 32.33316 W-104.04413

SP3, N 32.33302 W-104.04412

NORTH, N 32.33329 W-104.04423

SOUTH, N 32.33295 W-103.04410

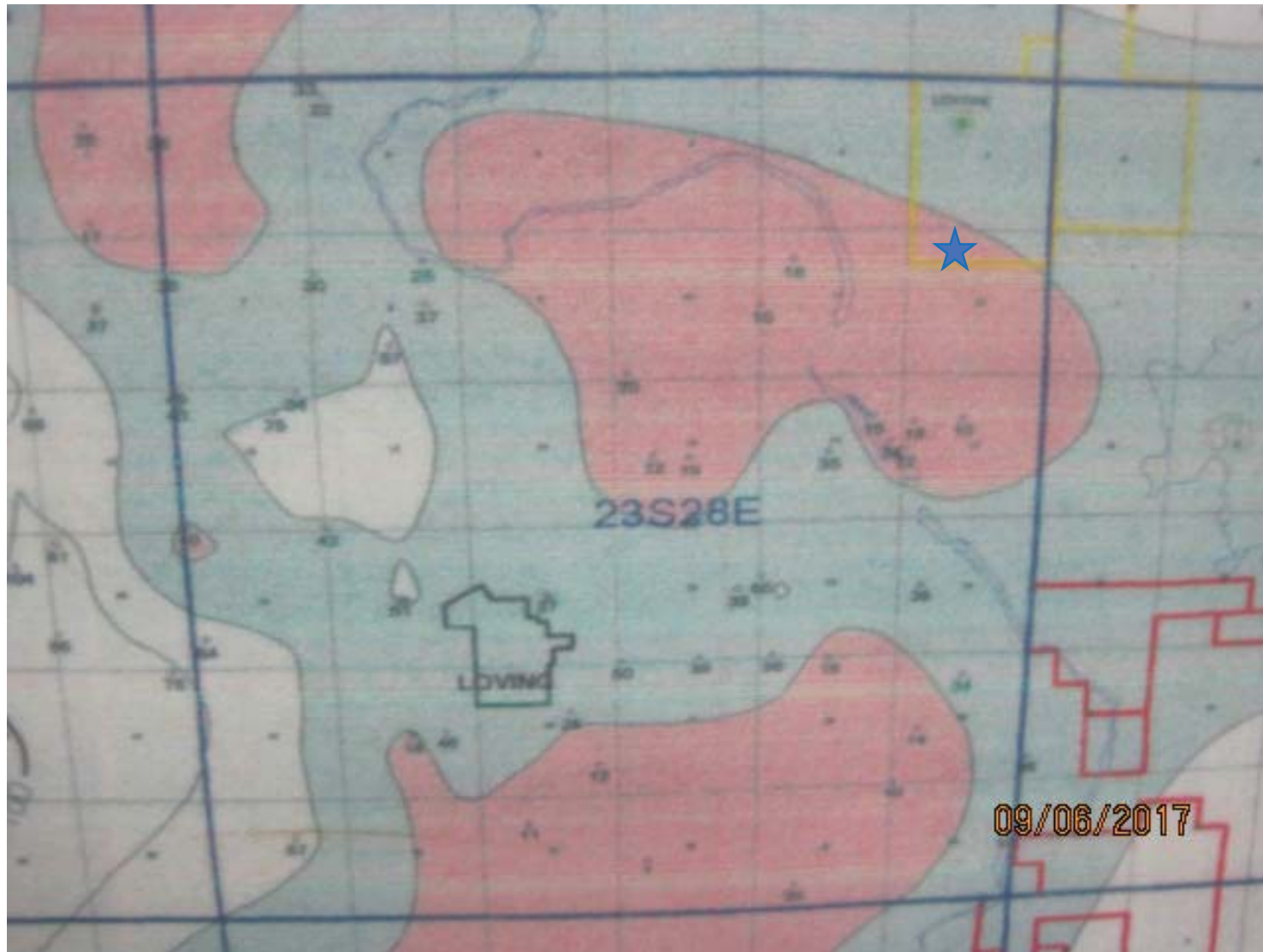
EAST, N 32.33317 W-104.04408

WEST, N 32.33321 W-104.04424

**Chevron, Lentini 12 Federal #019**

**U/L C, Section 12, T23S, R28E**

**Groundwater: <50'**





USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:

Groundwater ▼

Geographic Area:

New Mexico ▼

GO

Click to hideNews Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 321911104035001

Minimum number of levels = 1

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

### USGS 321911104035001 23S.28E.11.311111

Eddy County, New Mexico

Latitude 32°19'11", Longitude 104°03'50" NAD27

Land-surface elevation 2,990 feet above NAVD88

The depth of the well is 95 feet below land surface.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### Output formats

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

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Water-level<br>accuracy | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source of<br>measurem |
|------------|------|---|---|---|---------------------------------|------------------------------|-------------|-------------------------------|--------------------------|----------------------------|
| 1947-02-07 |      | D   | 15.70   |   |                                 | 2                            |             | U                             |                          |                            |

#### Explanation

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

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[Feedback on this web site](#)

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[Data Tips](#)

[Explanation of terms](#)



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

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

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

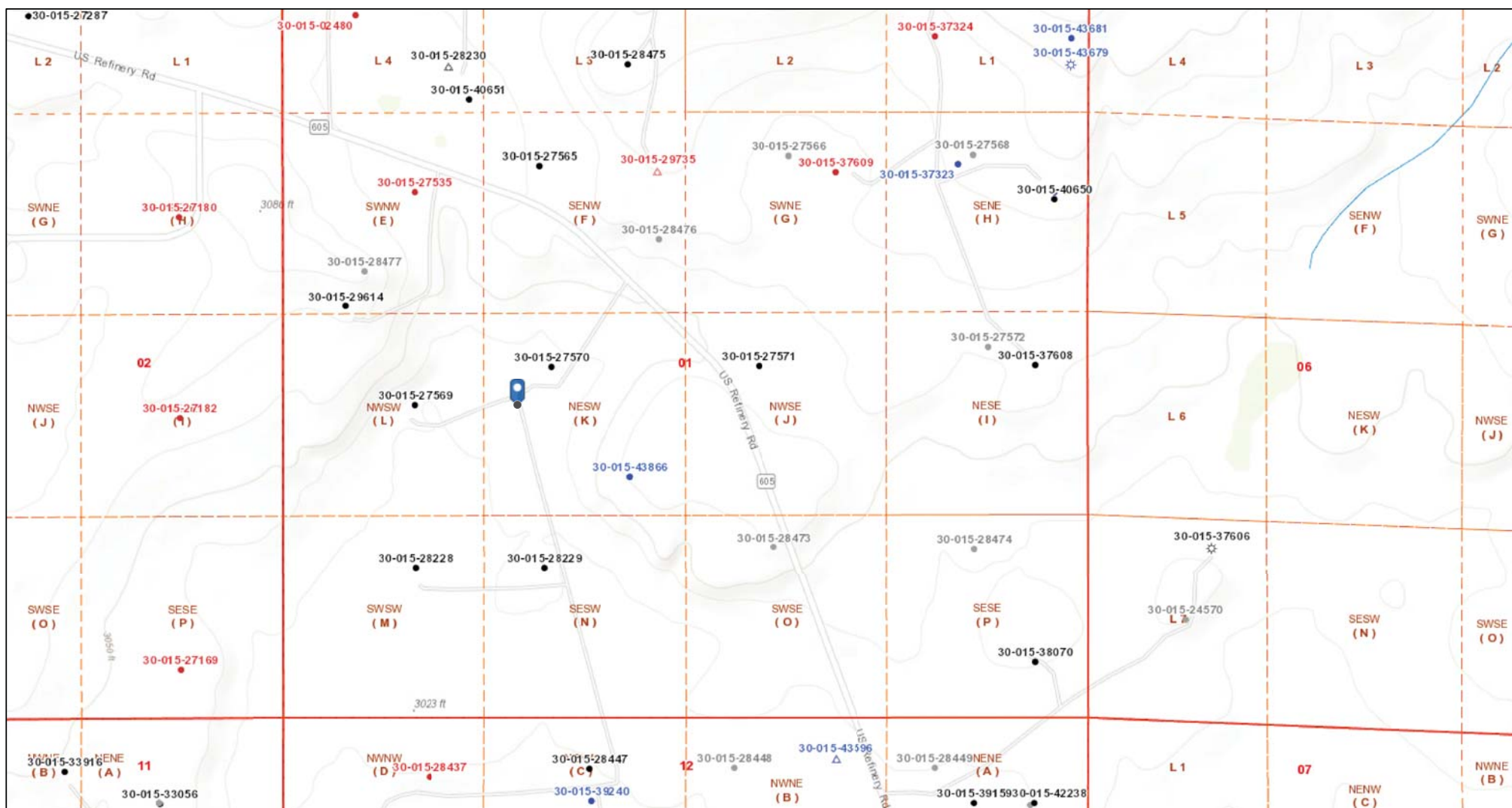


Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2019-02-13 13:48:02 EST

4.55 0.42 nadww01

# Lentini 12 Federal #019



2/13/2019 11:25:00 AM

Well Locations - Small Scale

- Active
- New
- Plugged
- Cancelled
- Temporarily Abandoned

Well Locations - Large Scale

- Miscellaneous
- CO2 Active
- CO2 Cancelled
- CO2 New
- CO2 Plugged
- CO2 Temporarily Abandoned

Gas Active

- Gas, Cancelled, Never Drilled
- Gas, New
- Gas, Plugged
- Gas, Temporarily Abandoned
- Injection, Active

Injection, Cancelled

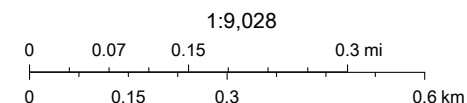
- Injection, New
- Injection, Plugged
- Injection, Temporarily Abandoned
- Oil, Active
- Oil, Cancelled

Oil, New

- Oil, Plugged
- Oil, Temporarily Abandoned
- Salt Water Injection, Active
- Salt Water Injection, Cancelled
- Salt Water Injection, New

Salt Water Injection, Plugged

- Salt Water Injection Temporarily Abandoned
- Water, Active
- Water, Cancelled
- Water, New
- Water, Plugged





Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, OCD, BLM

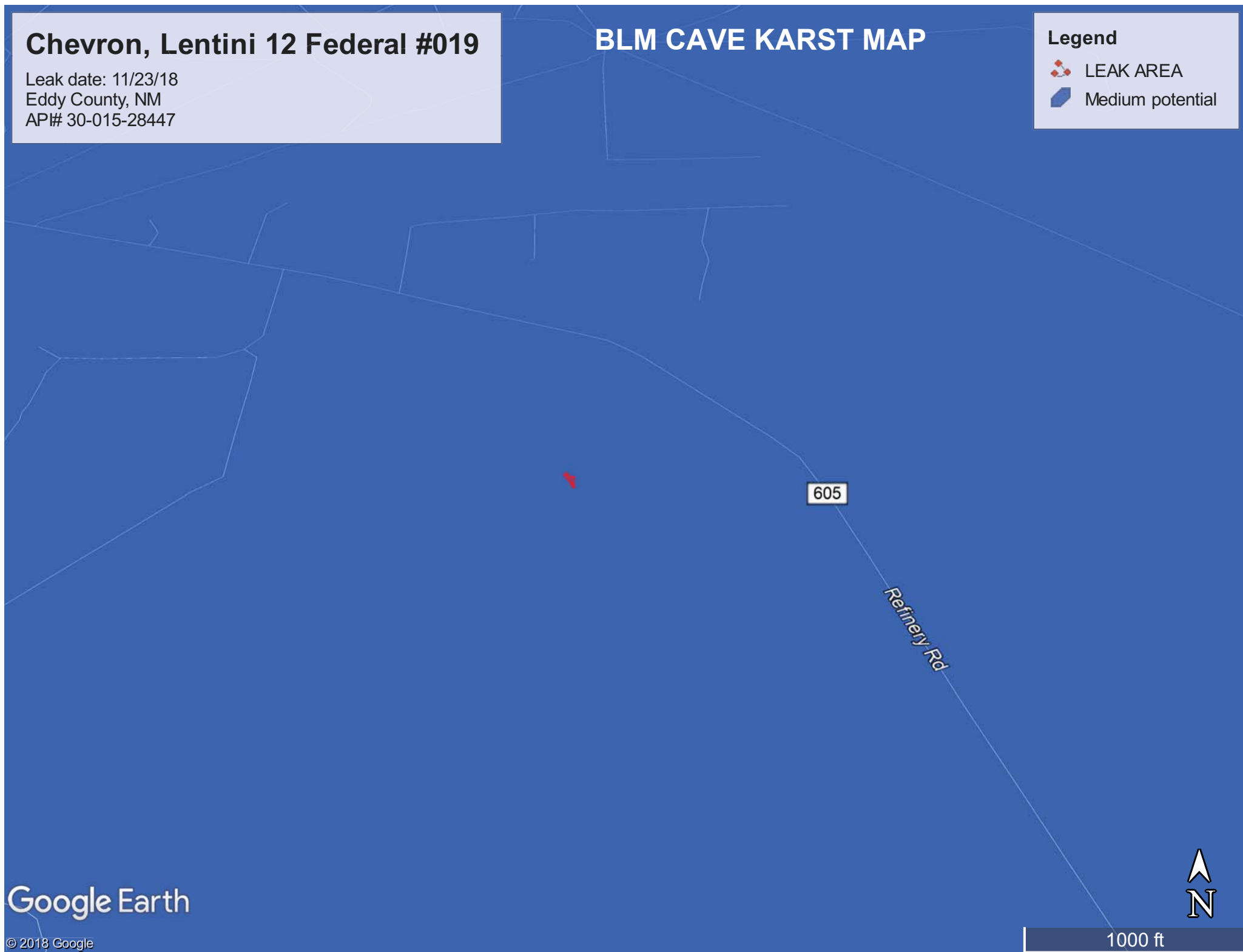
# Chevron, Lentini 12 Federal #019

Leak date: 11/23/18  
Eddy County, NM  
API# 30-015-28447

## BLM CAVE KARST MAP

### Legend

-  LEAK AREA
-  Medium potential



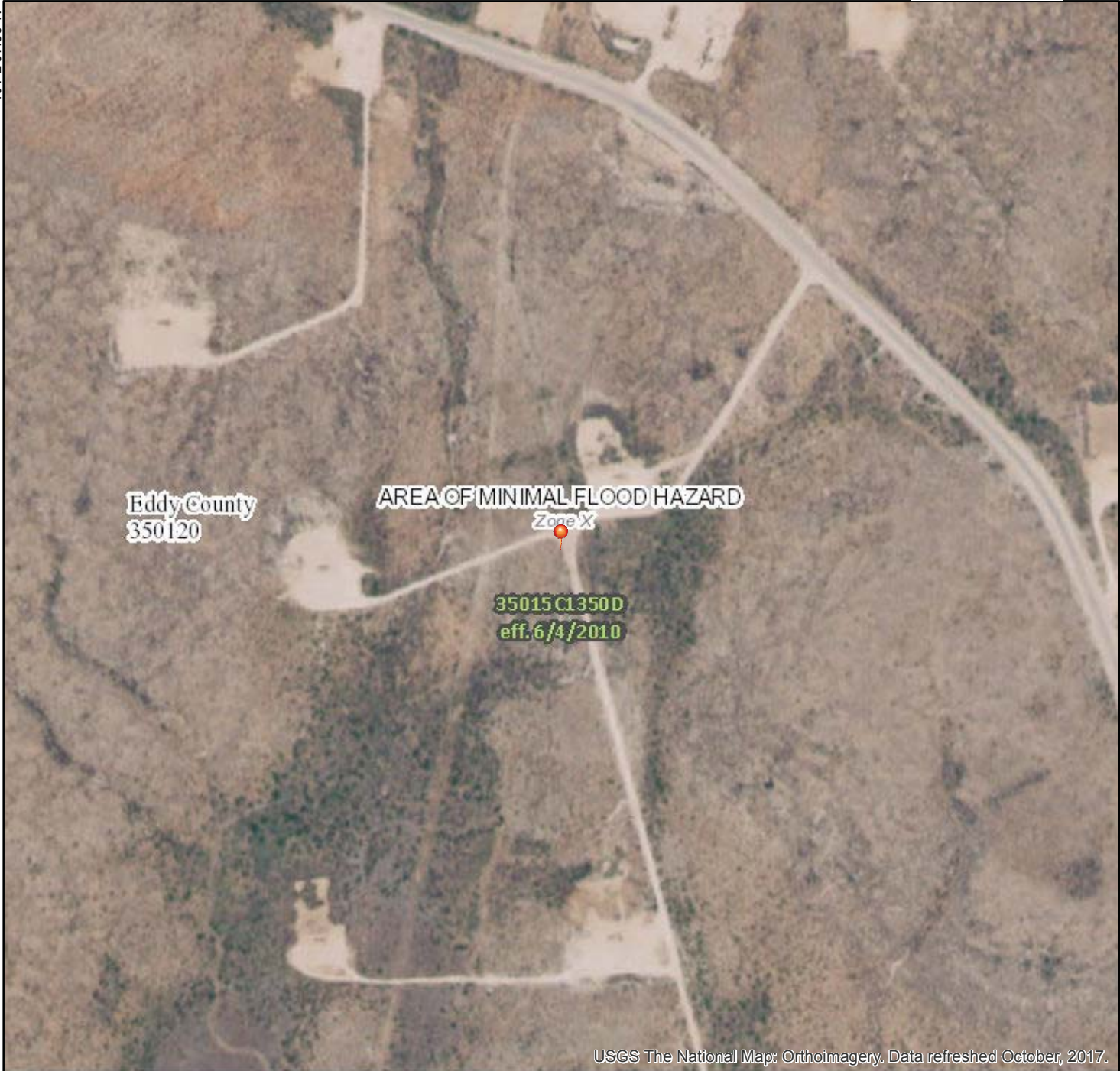
Google Earth

© 2018 Google

# National Flood Hazard Layer FIRMMette



32°20'14.90"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

|                             |  |   |
|-----------------------------|--|---|
| SPECIAL FLOOD HAZARD AREAS  |  | Without Base Flood Elevation (BFE)<br>Zone A, V, A99  |
|                             |  | With BFE or Depth Zone AE, AO, AH, VE, AR   |
|                             |  | Regulatory Floodway   |
| OTHER AREAS OF FLOOD HAZARD |  | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X |
|                             |  | Future Conditions 1% Annual Chance Flood Hazard Zone X  |
|                             |  | Area with Reduced Flood Risk due to Levee. See Notes. Zone X  |
|                             |  | Area with Flood Risk due to Levee Zone D  |
| OTHER AREAS                 |  | NO SCREEN Area of Minimal Flood Hazard Zone X   |
|                             |  | Effective LOMRs   |
|                             |  | Area of Undetermined Flood Hazard Zone D  |
| GENERAL STRUCTURES          |  | Channel, Culvert, or Storm Sewer  |
|                             |  | Levee, Dike, or Floodwall   |
| OTHER FEATURES              |  | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation   |
|                             |  | 17.5  |
|                             |  | Coastal Transect  |
|                             |  | Base Flood Elevation Line (BFE)   |
|                             |  | Limit of Study  |
|                             |  | Jurisdiction Boundary   |
|                             |  | Coastal Transect Baseline   |
| MAP PANELS                  |  | Digital Data Available  |
|                             |  | No Digital Data Available   |
|                             |  | Unmapped  |



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **2/13/2019 at 2:27:02 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Laboratory Analytical Results Summary  
Lentini 12 Federal #19 (11/23/18)

|               |            | Sample ID | SP1 @<br>SURFACE | SP1 @ 1' | SP1 @ 2' | SP1 @ 3' | SP1 @ 3.5' |
|---------------|------------|-----------|------------------|----------|----------|----------|------------|
| Analyte       | Method     | Date      | 2/14/19          | 2/14/19  | 2/14/19  | 2/14/19  | 2/14/19    |
|               |            |           | mg/kg            | mg/kg    | mg/kg    | mg/kg    | mg/kg      |
| Benzene       | BTEX 8021B |           | <0.050           | <0.050   | <0.050   | <0.050   | <0.050     |
| Toluene       | BTEX 8021B |           | <0.050           | <0.050   | <0.050   | <0.050   | <0.050     |
| Ethylbenzene  | BTEX 8021B |           | <0.050           | <0.050   | <0.050   | <0.050   | <0.050     |
| Total Xylenes | BTEX 8021B |           | <0.150           | <0.150   | <0.150   | <0.150   | <0.150     |
| Total BTEX    | BTEX 8021B |           | <0.300           | <0.300   | <0.300   | <0.300   | <0.300     |
| Chloride      | SM4500Cl-B |           | 52800            | 8000     | 608      | 304      | 336        |
| GRO           | TPH 8015M  |           | <10.0            | <10.0    | <10.0    | <10.0    | <10.0      |
| DRO           | TPH 8015M  |           | 22.7             | 54.9     | <10.0    | <10.0    | <10.0      |
| EXT DRO       | TPH 8015M  |           | <10.0            | 18.1     | <10.0    | <10.0    | <10.0      |

|               |            | Sample ID | SP2 @<br>SURFACE | SP2 @ 1' | SP2 @ 2' |
|---------------|------------|-----------|------------------|----------|----------|
| Analyte       | Method     | Date      | 2/14/19          | 2/14/19  | 2/14/19  |
|               |            |           | mg/kg            | mg/kg    | mg/kg    |
| Benzene       | BTEX 8021B |           | <0.050           | <0.050   | <0.050   |
| Toluene       | BTEX 8021B |           | <0.050           | <0.050   | <0.050   |
| Ethylbenzene  | BTEX 8021B |           | <0.050           | <0.050   | <0.050   |
| Total Xylenes | BTEX 8021B |           | <0.150           | <0.150   | <0.150   |
| Total BTEX    | BTEX 8021B |           | <0.300           | <0.300   | <0.300   |
| Chloride      | SM4500Cl-B |           | 52000            | 592      | 288      |
| GRO           | TPH 8015M  |           | <10.0            | <10.0    | <10.0    |
| DRO           | TPH 8015M  |           | 73               | <10.0    | <10.0    |
| EXT DRO       | TPH 8015M  |           | 14.9             | <10.0    | <10.0    |

|               |            | Sample ID | SP3 @<br>SURFACE | SP3 @ 1' | SP3 @ 2' | SP3 @ 3' | SP3 @ 3.5' |
|---------------|------------|-----------|------------------|----------|----------|----------|------------|
| Analyte       | Method     | Date      | 2/14/19          | 2/14/19  | 2/14/19  | 2/14/19  | 2/14/19    |
|               |            |           | mg/kg            | mg/kg    | mg/kg    | mg/kg    | mg/kg      |
| Benzene       | BTEX 8021B |           | <0.050           | <0.050   | <0.050   | <0.050   | <0.050     |
| Toluene       | BTEX 8021B |           | <0.050           | <0.050   | <0.050   | <0.050   | <0.050     |
| Ethylbenzene  | BTEX 8021B |           | <0.050           | <0.050   | <0.050   | <0.050   | <0.050     |
| Total Xylenes | BTEX 8021B |           | <0.150           | <0.150   | <0.150   | <0.150   | <0.150     |
| Total BTEX    | BTEX 8021B |           | <0.300           | <0.300   | <0.300   | <0.300   | <0.300     |
| Chloride      | SM4500Cl-B |           | 92000            | 7330     | 2480     | 352      | 256        |
| GRO           | TPH 8015M  |           | <10.0            | <10.0    | <10.0    | <10.0    | <10.0      |
| DRO           | TPH 8015M  |           | 65.9             | 41.9     | <10.0    | <10.0    | <10.0      |
| EXT DRO       | TPH 8015M  |           | 16.7             | <10.0    | <10.0    | <10.0    | <10.0      |

|               |            | Sample ID | NORTH @<br>SURFACE | EAST @<br>SURFACE | WEST @<br>SURFACE | SOUTH @<br>SURFACE |
|---------------|------------|-----------|--------------------|-------------------|-------------------|--------------------|
| Analyte       | Method     | Date      | 2/14/19            | 2/14/19           | 2/14/19           | 2/14/19            |
|               |            |           | mg/kg              | mg/kg             | mg/kg             | mg/kg              |
| Benzene       | BTEX 8021B |           | <0.050             | <0.050            | <0.050            | <0.050             |
| Toluene       | BTEX 8021B |           | <0.050             | <0.050            | <0.050            | <0.050             |
| Ethylbenzene  | BTEX 8021B |           | <0.050             | <0.050            | <0.050            | <0.050             |
| Total Xylenes | BTEX 8021B |           | <0.150             | <0.150            | <0.150            | <0.150             |
| Total BTEX    | BTEX 8021B |           | <0.300             | <0.300            | <0.300            | <0.300             |
| Chloride      | SM4500Cl-B |           | 32                 | 32                | 32                | 32                 |
| GRO           | TPH 8015M  |           | <10.0              | <10.0             | <10.0             | <10.0              |
| DRO           | TPH 8015M  |           | <10.0              | <10.0             | <10.0             | <10.0              |
| EXT DRO       | TPH 8015M  |           | <10.0              | <10.0             | <10.0             | <10.0              |

February 18, 2019

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LENTINI 12 FEDERAL #19

Enclosed are the results of analyses for samples received by the laboratory on 02/15/19 14:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/15/2019  
Reported: 02/18/2019  
Project Name: LENTINI 12 FEDERAL #19  
Project Number: 11-23-18  
Project Location: NONE GIVEN

Sampling Date: 02/14/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SP 1 @ SURFACE (H900622-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |
| Total BTEX     | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 52800  | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 162 | 81.2       | 200           | 4.49  |           |
| DRO >C10-C28*    | 22.7   | 10.0            | 02/16/2019 | ND              | 164 | 82.0       | 200           | 0.823 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 81.5 % 41-142

Surrogate: 1-Chlorooctadecane 81.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: SP 1 @ 1' (H900622-02)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |  |
| Total BTX      | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 8000   | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 162 | 81.2       | 200           | 4.49  |           |
| DRO >C10-C28*    | 54.9   | 10.0            | 02/16/2019 | ND              | 164 | 82.0       | 200           | 0.823 |           |
| EXT DRO >C28-C36 | 18.1   | 10.0            | 02/16/2019 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 81.7 % 41-142

Surrogate: 1-Chlorooctadecane 84.4 % 37.6-147

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Fax To: (575) 397-0397

|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: SP 1 @ 2' (H900622-03)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |  |
| Total BTX      | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 608    | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 79.7 % 41-142

Surrogate: 1-Chlorooctadecane 77.4 % 37.6-147

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|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: SP 1 @ 3' (H900622-04)**

| 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           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |
| Total BTEX     | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 304    | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 77.8 % 41-142

Surrogate: 1-Chlorooctadecane 78.2 % 37.6-147

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|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: SP 1 @ 3.5' (H900622-05)**

| 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           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |  |
| Total BTEx     | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 336    | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.9 % 41-142

Surrogate: 1-Chlorooctadecane 82.9 % 37.6-147

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|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: SP 2 @ SURFACE (H900622-06)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |  |
| Total BTX      | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 52000  | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | 73.0   | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | 14.9   | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 77.2 % 41-142

Surrogate: 1-Chlorooctadecane 83.4 % 37.6-147

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|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: SP 2 @ 1' (H900622-07)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |  |
| Total BTX      | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 592    | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 75.0 % 41-142

Surrogate: 1-Chlorooctadecane 75.1 % 37.6-147

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|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: SP 2 @ 2' (H900622-08)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |  |
| Total BTEx     | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 288    | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.7 % 41-142

Surrogate: 1-Chlorooctadecane 75.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: SP 3 @ SURFACE (H900622-09)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |  |
| Total BTX      | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 92000  | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | 65.9   | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | 16.7   | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.0 % 41-142

Surrogate: 1-Chlorooctadecane 80.8 % 37.6-147

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

|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: SP 3 @ 1' (H900622-10)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |  |
| Total BTX      | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 7330   | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | 41.9   | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.5 % 41-142

Surrogate: 1-Chlorooctadecane 79.8 % 37.6-147

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

Received: 02/15/2019  
Reported: 02/18/2019  
Project Name: LENTINI 12 FEDERAL #19  
Project Number: 11-23-18  
Project Location: NONE GIVEN

Sampling Date: 02/14/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SP 3 @ 2' (H900622-11)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |
| Total BTX      | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2480   | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.6 % 41-142

Surrogate: 1-Chlorooctadecane 79.2 % 37.6-147

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Fax To: (575) 397-0397

|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: SP 3 @ 3' (H900622-12)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |  |
| Total BTX      | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 352    | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 77.2 % 41-142

Surrogate: 1-Chlorooctadecane 79.9 % 37.6-147

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Fax To: (575) 397-0397

|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: SP 3 @ 3.5' (H900622-13)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |  |
| Total BTX      | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 256    | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 80.3 % 41-142

Surrogate: 1-Chlorooctadecane 79.9 % 37.6-147

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|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: NORTH @ SURFACE (H900622-14)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |  |
| Total BTX      | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.2 % 41-142

Surrogate: 1-Chlorooctadecane 77.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: EAST @ SURFACE (H900622-15)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |
| Total BTX      | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 02/16/2019 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 70.7 % 41-142

Surrogate: 1-Chlorooctadecane 73.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: WEST @ SURFACE (H900622-16)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |  |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |  |
| Total BTX      | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 02/16/2019 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| 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            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 79.5 % 41-142

Surrogate: 1-Chlorooctadecane 78.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

|                   |                        |                     |                |
|-------------------|------------------------|---------------------|----------------|
| Received:         | 02/15/2019             | Sampling Date:      | 02/14/2019     |
| Reported:         | 02/18/2019             | Sampling Type:      | Soil           |
| Project Name:     | LENTINI 12 FEDERAL #19 | Sampling Condition: | Cool & Intact  |
| Project Number:   | 11-23-18               | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN             |                     |                |

**Sample ID: SOUTH @ SURFACE (H900622-17)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: ms |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.96 | 97.8       | 2.00          | 1.25 |           |
| Toluene*       | <0.050 | 0.050           | 02/16/2019 | ND              | 1.85 | 92.3       | 2.00          | 1.59 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 02/16/2019 | ND              | 1.78 | 88.8       | 2.00          | 1.59 |           |
| Total Xylenes* | <0.150 | 0.150           | 02/16/2019 | ND              | 5.32 | 88.7       | 6.00          | 1.80 |           |
| Total BTX      | <0.300 | 0.300           | 02/16/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 02/16/2019 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| 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            | 02/16/2019 | ND              | 180 | 90.2       | 200           | 5.68 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 02/16/2019 | ND              | 190 | 95.2       | 200           | 6.45 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 02/16/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 77.0 % 41-142

Surrogate: 1-Chlorooctadecane 75.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

|       |   |
|-------|---|
| QR-03 | The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.  |
| ND    | Analyte NOT DETECTED at or above the reporting limit  |
| RPD   | Relative Percent Difference   |
| **    | Samples not received at proper temperature of 6°C or below.   |
| ***   | Insufficient time to reach temperature.   |
| -     | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report                          |

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Celey D. Keene, Lab Director/Quality Manager





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**(505) 393-2326 FAX (505) 393-2476**

|   |  |               |  |                                 |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
|---|--|---------------|--|---------------------------------|--|--|--|--|--|--|--|------|--|----------------|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: BBC International, Inc.   |  |               |  | <b>BILL TO</b>                  |  |  |  | <b>ANALYSIS REQUEST</b>  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| Project Manager: Cliff Brunson  |  |               |  | P.O. #:                         |  |  |  | <div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH E&amp;H</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C1</div> </div> |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| Address: P.O. Box 805   |  |               |  | Company: <i>BBC</i>             |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| City: Hobbs State: NM Zip: 88241  |  |               |  | Attn:                           |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| Phone #: 575-397-6388 Fax #: 575-397-0397   |  |               |  | Address:                        |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| Project #: Project Owner:   |  |               |  | City:                           |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| Project Name: Lentini 12 Federal #19 - 11-23-18   |  |               |  | State: Zip:                     |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| Project Location:   |  |               |  | Phone #:                        |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| Sampler Name: Jeff Ornelas  |  |               |  | Fax #:                          |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| FOR LAB USE ONLY  |  |               |  |                                 |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| Lab I.D.  |  | Sample I.D.   |  | (G)RAB OR (C)COMP. # CONTAINERS |  | MATRIX   |  | PRESERV.   |  | SAMPLING   |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
|   |  |               |  |                                 |  | GROUNDWATER  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
|   |  |               |  |                                 |  | WASTEWATER   |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
|   |  |               |  |                                 |  | SOIL   |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
|   |  |               |  |                                 |  | OIL  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
|   |  |               |  |                                 |  | SLUDGE   |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
|   |  |               |  |                                 |  | OTHER:   |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
|   |  |               |  |                                 |  | ACID/BASE:   |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
|   |  |               |  |                                 |  | ICE / COOL   |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
|   |  |               |  |                                 |  | OTHER:   |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
|   |  |               |  |                                 |  |  |  |  |  | DATE   |  | TIME |  |                |  |  |  |  |  |  |  |  |  |  |  |
| <i>H900622</i>  |  |               |  | <i>1</i>                        |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| <i>1</i>  |  | SP1 @ SURFACE |  | <i>1</i>                        |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| <i>2</i>  |  | SP1 @ 1'      |  |                                 |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| <i>3</i>  |  | SP1 @ 2'      |  |                                 |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| <i>4</i>  |  | SP1 @ 3'      |  |                                 |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| <i>5</i>  |  | SP1 @ 3.5'    |  |                                 |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| <i>6</i>  |  | SP2 @ SURFACE |  |                                 |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| <i>7</i>  |  | SP2 @ 1'      |  |                                 |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| <i>8</i>  |  | SP2 @ 2'      |  |                                 |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| <i>9</i>  |  | SP3 @ SURFACE |  |                                 |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| <i>10</i>   |  | SP3 @ 1'      |  |                                 |  |  |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
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| Relinquished By:  |  |               |  | Date: <i>2-15-19</i>            |  | Received By:   |  |  |  | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No         |  |      |  | Add'l Phone #: |  |  |  |  |  |  |  |  |  |  |  |
| <i>Jeff Ornelas</i>   |  |               |  | Time: <i>10:00</i>              |  |  |  |  |  | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No           |  |      |  | Add'l Fax #:   |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished By:  |  |               |  | Date: <i>2-15-19</i>            |  | Received By:   |  |  |  | <b>REMARKS:</b><br><div style="font-size: 2em; font-weight: bold;">RUSH!</div> |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| <i>Carla B</i>  |  |               |  | Time: <i>14:30</i>              |  | <i>Tamara Roldan</i>   |  |  |  |  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| Delivered By: (Circle One)  |  |               |  |                                 |  | Sample Condition   |  |  |  | CHECKED BY:  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
| Sampler - UPS - Bus - Other: <i>-5.62 #97</i>   |  |               |  |                                 |  | Cool Intact  |  |  |  | (Initials)   |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |
|   |  |               |  |                                 |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No |  |  |  | <i>TO</i>  |  |      |  |                |  |  |  |  |  |  |  |  |  |  |  |

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



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**(505) 393-2326 FAX (505) 393-2476**

|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|---|--|-------------|--|--------------------------------|--|--------|--|--|--|----------|--|----------|--|--------|--|--------|--|------------|--|------------|--|--------|--|------|--|------|--|--|--|--|--|
| Company Name: BBC International, Inc.           |  |             |  | <b>BILL TO</b>                 |  |        |  | <b>ANALYSIS REQUEST</b>  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
| Project Manager: Cliff Brunson                  |  |             |  | P.O. #:                        |  |        |  | <div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEx</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Ext</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C1</div> </div> |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
| Address: P.O. Box 805                           |  |             |  | Company: <i>BBC</i>            |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
| City: Hobbs State: NM Zip: 88241                |  |             |  | Attn:                          |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
| Phone #: 575-397-6388 Fax #: 575-397-0397       |  |             |  | Address:                       |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
| Project #: Project Owner:                       |  |             |  | City:                          |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
| Project Name: Lentini 12 Federal #19 - 11-23-18 |  |             |  | State: Zip:                    |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
| Project Location:                               |  |             |  | Phone #:                       |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
| Sampler Name: Jeff Ornelas                      |  |             |  | Fax #:                         |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
| FOR LAB USE ONLY                                |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
| Lab I.D.  |  | Sample I.D. |  | (G)RAB OR (C)OMP. # CONTAINERS |  | MATRIX |  |  |  | PRESERV. |  | SAMPLING |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  | GROUNDWATER                    |  |        |  | WASTEWATER   |  | SOIL     |  | OIL      |  | SLUDGE |  | OTHER: |  | ACID/BASE: |  | ICE / COOL |  | OTHER: |  | DATE |  | TIME |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |
|   |  |             |  |                                |  |        |  |  |  |          |  |          |  |        |  |        |  |            |  |            |  |        |  |      |  |      |  |  |  |  |  |

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

|                              |  |   |                |               |  |                |
|------------------------------|--|---|----------------|---------------|--|----------------|
| Relinquished By:             |  | Date:   | Received By:   | Phone Result: | <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| Jeff Ornelas                 |  | 2-15-19   |                | Fax Result:   | <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #:   |
|                              |  | Time:   |                | REMARKS:      |  |                |
|                              |  | 10:00   |                | RUSH!         |  |                |
| Relinquished By:             |  | Date:   | Received By:   |               |  |                |
| Cory Z                       |  | 2-15-19   | Jamara Oldaker |               |  |                |
|                              |  | Time:   |                |               |  |                |
|                              |  | 14:30   |                |               |  |                |
| Delivered By: (Circle One)   |  | Sample Condition  |                | CHECKED BY:   |  |                |
|                              |  | Cool Intact   |                | (Initials)    |  |                |
| Sampler - UPS - Bus - Other: |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                | TO:           |  |                |
| -5.6c #97                    |  | <input type="checkbox"/> No <input type="checkbox"/> No             |                |               |  |                |

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