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E-MAIL: cbrunson@bbcinternational.com

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## DELINEATION WORKPLAN

### OXY – SOLOMON STATE COM #1H (Leak Date: 9/24/18)

#### RP # 2RP-5019

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This delineation workplan and remediation proposal addresses the releases associated with RP # 2RP-5019.

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 rules, the following remediation is proposed:***

***OXY will excavate the spill area as depicted on the following site diagram. The leak area near SP1 (PURPLE shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP2 and SP4 (YELLOW shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP3 and SP5 (GREEN shade on diagram) will be excavated to a depth of 5 feet.***

***A confirmation sample at the bottom of SP3 will be taken and analyzed for all four constituents as per the spill rule.***

***Bottom confirmation samples will be collected at no greater than 50 ft. intervals. Estimated volume of material to be removed is 156 cubic yards. The remediation will be completed within 90 days of plan approval.***

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

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

Form C-141

Page 3

State of New Mexico  
Oil Conservation Division

|                |                |
|----------------|----------------|
| Incident ID    | NMAP1829562807 |
| District RP    | 2RP-5019       |
| Facility ID    | MAP1829562550  |
| Application ID | pMAP1829562293 |

## 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?   | 145 (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 type="checkbox"/> Yes <input checked="" 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 not on an exploration, development, production, or storage site?   | <input type="checkbox"/> Yes <input checked="" 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.

Form C-141

Page 4

State of New Mexico  
Oil Conservation Division

|                |                |
|----------------|----------------|
| Incident ID    | NMAP1829582807 |
| District RP    | 2RP-5019       |
| Facility ID    | fMAP1829582550 |
| Application ID | pMAP1829582283 |

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: Wade DittrichTitle: Environmental SpecialistSignature: Date: 11-2-18email: wade\_dittrich@oxy.comTelephone: (575) 390-2828**OCD Only**

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

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

Form C-141

Page 5

State of New Mexico  
Oil Conservation Division

|                |                |
|----------------|----------------|
| Incident ID    | NMAP1828562807 |
| District RP    | 2RP-5019       |
| Facility ID    | MAP1828562550  |
| Application ID | pMAP1828562283 |

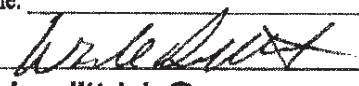
**Remediation Plan****Remediation Plan Checklist:** Each of the following items must be included in the plan.

- ☒ 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: Wade Dittrich Title: Environmental Specialist  
 Signature:  Date: 11-2-18  
 email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

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

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

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



# Oxy, Solomon State Com #1H

Leak date: 9/24/18  
Eddy County, NM  
2RP-5019  
NMAP1829562807

## Legend

- 1 ft Excavation
- 2 ft Excavation
- 5 ft Excavation
- Leak Area (red outline)
- Sample points



Google Earth

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70 ft

Oxy, Solomon State Com #1H

Sample points

SP1, N 32.67857 W-104.05750

SP2, N 32.67868 W-104.05754

SP3, N 32.67864 W-104.05748

SP4, N 32.67870 W-104.05747

SP5, N 32.67859 W-104.05742

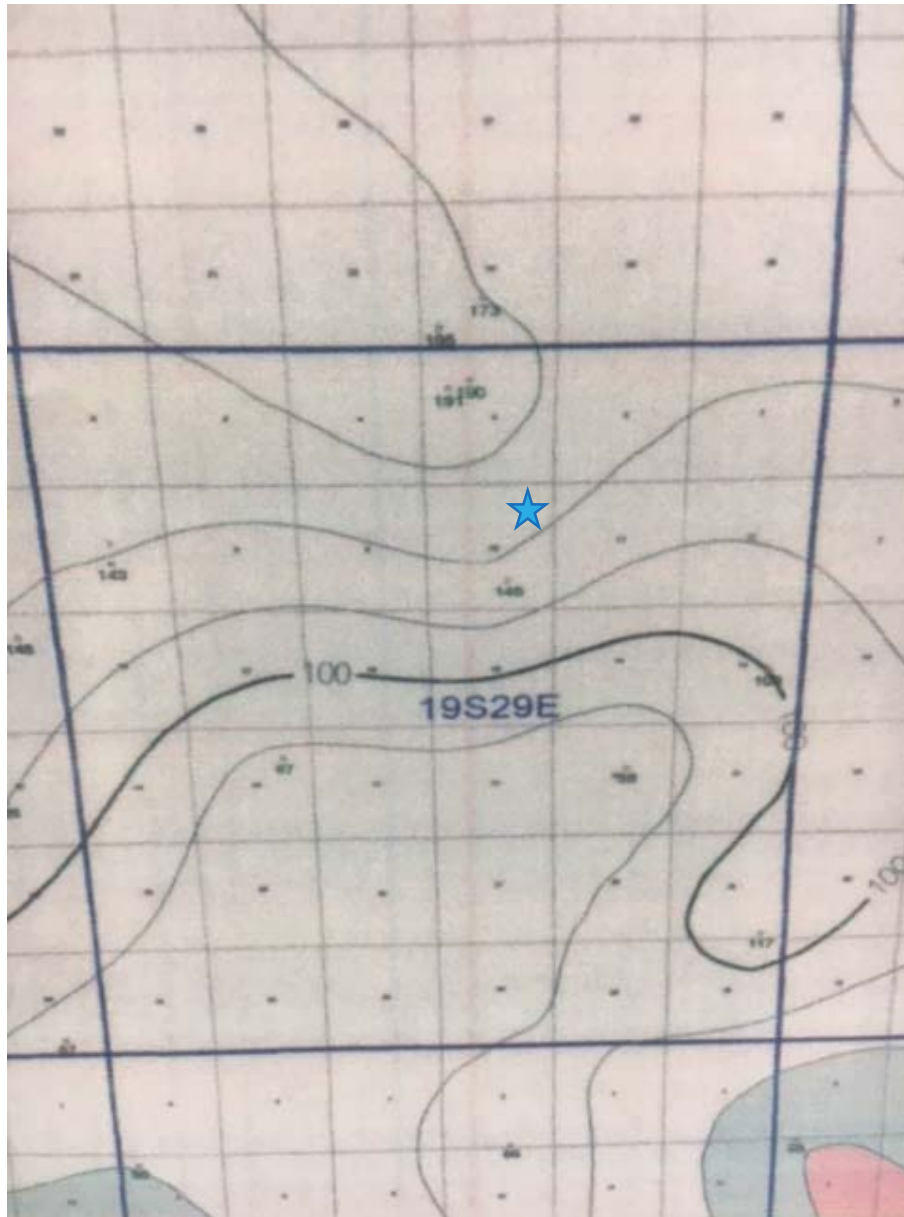
NORTH, N 32.67863 W-104.05752

SOUTH, N 32.67855 W-104.05744

EAST, N 32.67865 W-104.05741

WEST, N 32.67861 W-104.05754

**Oxy, Solomon State Com 1H**  
**U/L A, Section 10, T19S, R29E**  
**Groundwater: 150'**





# New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 588479

**Northing (Y):** 3616274

**Radius:** 900

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





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National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

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Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 324019104033201

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 324019104033201 19S.29E.10.43211

Eddy County, New Mexico  
Latitude 32°40'19", Longitude 104°03'32" NAD27  
Land-surface elevation 3,371 feet above NAVD88  
The depth of the well is 153 feet below land surface.  
This well is completed in the Rustler Formation (312RSLR) 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 |
|------------|------|---|---|---|---------------------------------|------------------------------|-------------|-------------------------------|--------------------------|----------------------------|
| 1965-12-09 |      | D   | 147.59  |   |                                 | 2                            |             |                               | U                        |                            |
| 1968-04-03 |      | D   | 145.99  |   |                                 | 2                            |             |                               | U                        |                            |
| 1971-02-01 |      | D   | 145.84  |   |                                 | 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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**Title: Groundwater for New Mexico: Water Levels**

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

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

Page Last Modified: 2018-10-16 11:26:55 EDT



46.19 0.43 nadww01

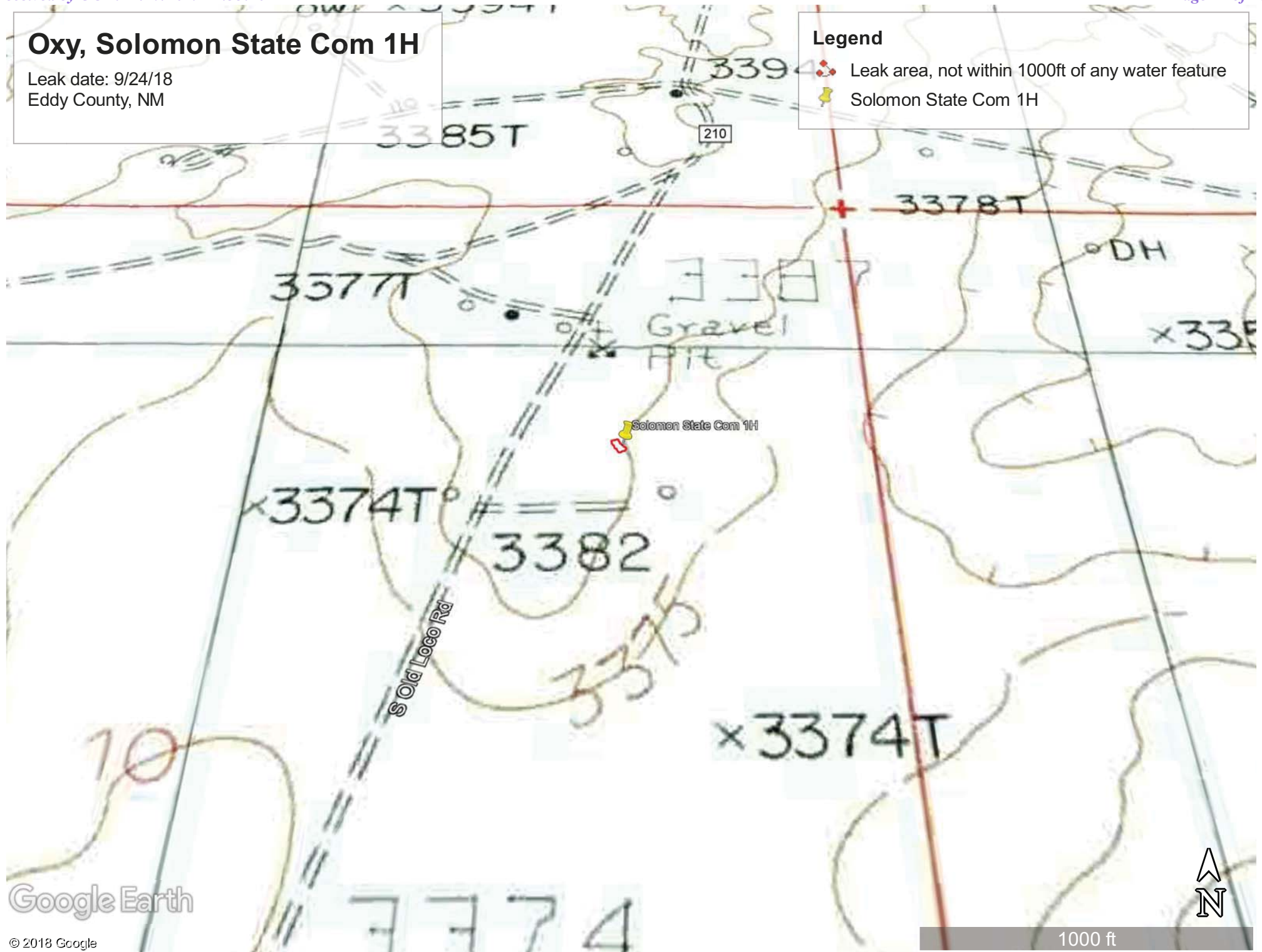


## Oxy, Solomon State Com 1H

Leak date: 9/24/18  
Eddy County, NM

### Legend

-  Leak area, not within 1000ft of any water feature
-  Solomon State Com 1H







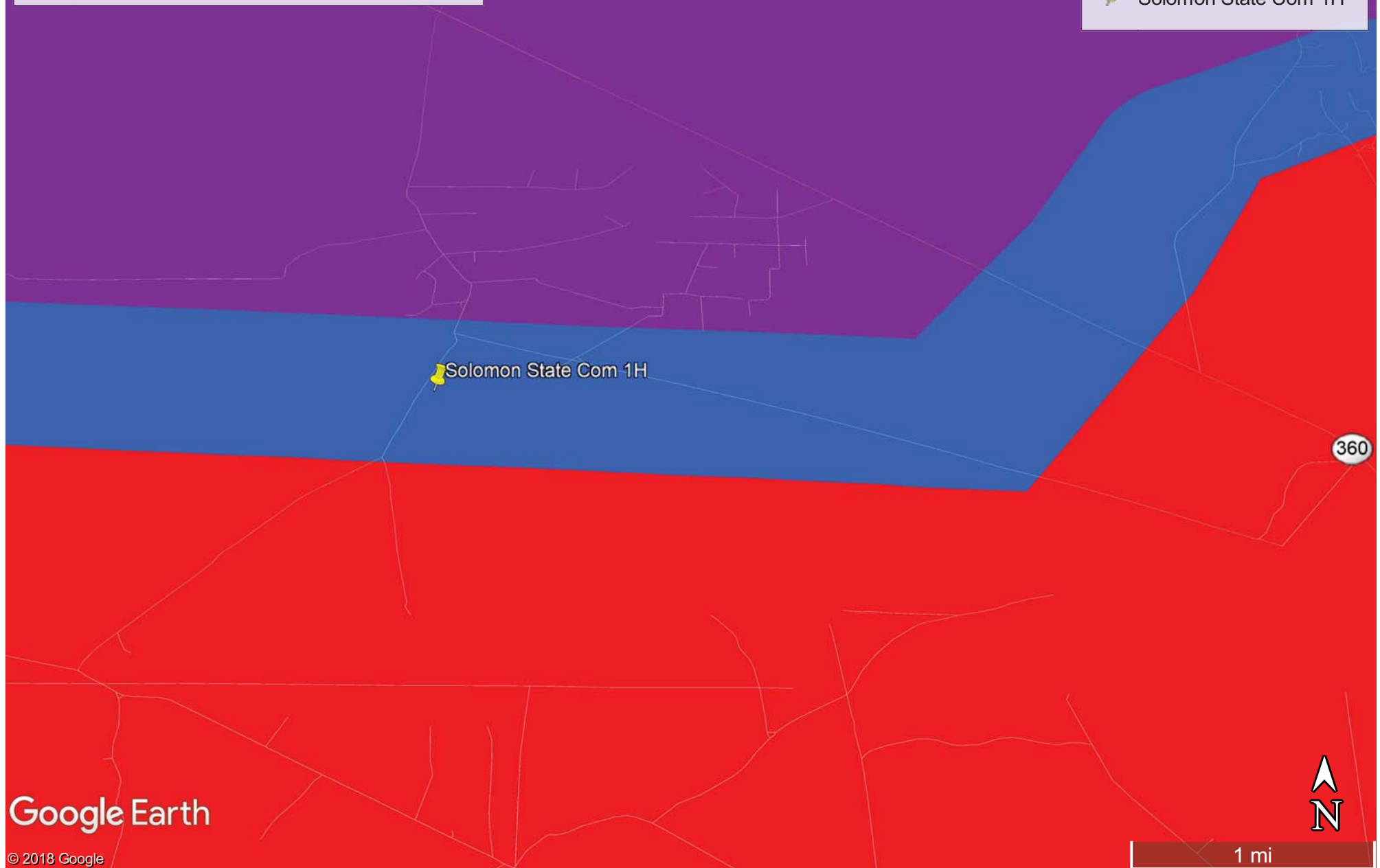
# Oxy, Solomon State Com 1H

Leak date: 9/24/18  
Eddy County, NM  
2RP-5019  
NMAP1829562807

## BLM CAVE KARST MAP

### Legend

-  High potential
-  Low potential
-  Medium potential
-  Solomon State Com 1H



Google Earth

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1 mi



## National Flood Hazard Layer FIRMette



32°40'58.28"N

104°3'45.40"W



USGS The National Map: Orthoimagery. Data refreshed October 2017.

0 250 500 1,000 1,500 2,000 Feet

1:6,000

32°40'28.00"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                 |  | 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              |  | Cross Sections with 1% Annual Chance Water Surface Elevation  |
|                             |  | Coastal Transect  |
|                             |  | Base Flood Elevation Line (BFE)   |
|                             |  | Limit of Study  |
|                             |  | Jurisdiction Boundary   |
|                             |  | Coastal Transect Baseline   |
|                             |  | Profile 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 **10/16/2018 at 11:30:02 AM** 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  
Solomon State Com #1H (9/24/18)

|               |            | Sample ID | SP1 @<br>SURFACE | SP1 @ 1' | SP1 @ 2' | SP1 @ 3' |
|---------------|------------|-----------|------------------|----------|----------|----------|
| Analyte       | Method     | Date      | 10/18/18         | 10/18/18 | 10/18/18 | 10/18/18 |
|               |            |           | mg/kg            | mg/kg    | mg/kg    | mg/kg    |
| Benzene       | BTEX 8021B |           | <0.050           | <0.050   | n/a      | n/a      |
| Toluene       | BTEX 8021B |           | <0.050           | <0.050   | n/a      | n/a      |
| Ethylbenzene  | BTEX 8021B |           | <0.050           | <0.050   | n/a      | n/a      |
| Total Xylenes | BTEX 8021B |           | <0.150           | <0.150   | n/a      | n/a      |
| Total BTEX    | BTEX 8021B |           | <0.300           | <0.300   | n/a      | n/a      |
| Chloride      | SM4500Cl-B |           | 80               | 640      | 80       | 80       |
| GRO           | TPH 8015M  |           | <10.0            | <10.0    | n/a      | n/a      |
| DRO           | TPH 8015M  |           | <10.0            | <10.0    | n/a      | n/a      |
| EXT DRO       | TPH 8015M  |           | <10.0            | <10.0    | n/a      | n/a      |

|               |            | Sample ID | SP2 @<br>SURFACE | SP2 @ 1' | SP2 @ 2' | SP2 @ 3' |
|---------------|------------|-----------|------------------|----------|----------|----------|
| Analyte       | Method     | Date      | 10/18/18         | 10/18/18 | 10/18/18 | 10/18/18 |
|               |            |           | mg/kg            | mg/kg    | mg/kg    | mg/kg    |
| Benzene       | BTEX 8021B |           | <0.050           | <0.050   | n/a      | n/a      |
| Toluene       | BTEX 8021B |           | <0.050           | <0.050   | n/a      | n/a      |
| Ethylbenzene  | BTEX 8021B |           | <0.050           | <0.050   | n/a      | n/a      |
| Total Xylenes | BTEX 8021B |           | <0.150           | <0.150   | n/a      | n/a      |
| Total BTEX    | BTEX 8021B |           | <0.300           | <0.300   | n/a      | n/a      |
| Chloride      | SM4500Cl-B |           | 64               | 768      | 112      | <16.0    |
| GRO           | TPH 8015M  |           | <10.0            | <10.0    | n/a      | n/a      |
| DRO           | TPH 8015M  |           | <10.0            | 12.1     | n/a      | n/a      |
| EXT DRO       | TPH 8015M  |           | <10.0            | <10.0    | n/a      | n/a      |

|               |            | Sample ID | SP3 @<br>SURFACE | SP3 @ 1' | SP3 @ 2' | SP3 @ 3' | SP3 @ 4' | SP3 @ 5' | SP3 @ 6' | SP3 @ 7' | SP3 @ 8' |
|---------------|------------|-----------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Analyte       | Method     | Date      | 10/18/18         | 10/18/18 | 10/19/18 | 10/19/18 | 10/19/18 | 10/19/18 | 10/19/18 | 10/19/18 | 10/19/18 |
|               |            |           | mg/kg            | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    |
| Benzene       | BTEX 8021B |           | <0.050           | <0.050   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
| Toluene       | BTEX 8021B |           | <0.050           | <0.050   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
| Ethylbenzene  | BTEX 8021B |           | <0.050           | <0.050   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
| Total Xylenes | BTEX 8021B |           | <0.150           | <0.150   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
| Total BTEX    | BTEX 8021B |           | <0.300           | <0.300   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
| Chloride      | SM4500Cl-B |           | 576              | 208      | 208      | 176      | 624      | 704      | 576      | 272      | 240      |
| GRO           | TPH 8015M  |           | <10.0            | <10.0    | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
| DRO           | TPH 8015M  |           | <10.0            | 68.6     | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
| EXT DRO       | TPH 8015M  |           | <10.0            | <10.0    | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |

|               |            | Sample ID | SP4 @<br>SURFACE | SP4 @ 1' | SP4 @ 2' | SP4 @ 3' | SP4 @ 4' | SP4 @ 5' |
|---------------|------------|-----------|------------------|----------|----------|----------|----------|----------|
| Analyte       | Method     | Date      | 10/19/18         | 10/19/18 | 10/19/18 | 10/19/18 | 10/19/18 | 10/19/18 |
|               |            |           | mg/kg            | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    |
| Benzene       | BTEX 8021B |           | <0.050           | <0.050   | <0.050   | <0.050   | n/a      | n/a      |
| Toluene       | BTEX 8021B |           | <0.050           | <0.050   | 0.128    | <0.050   | n/a      | n/a      |
| Ethylbenzene  | BTEX 8021B |           | <0.050           | <0.050   | <0.050   | <0.050   | n/a      | n/a      |
| Total Xylenes | BTEX 8021B |           | <0.150           | <0.150   | <0.150   | <0.150   | n/a      | n/a      |
| Total BTEX    | BTEX 8021B |           | <0.300           | <0.300   | <0.300   | <0.300   | n/a      | n/a      |
| Chloride      | SM4500Cl-B |           | 80               | 96       | 192      | 112      | 240      | 256      |
| GRO           | TPH 8015M  |           | <10.0            | 26.2     | 96.3     | <10.0    | n/a      | n/a      |
| DRO           | TPH 8015M  |           | <10.0            | 186      | 220      | <10.0    | n/a      | n/a      |
| EXT DRO       | TPH 8015M  |           | <10.0            | <10.0    | <10.0    | <10.0    | n/a      | n/a      |

Laboratory Analytical Results Summary  
Solomon State Com #1H (9/24/18)

|               |            | Sample ID | SP5 @<br>SURFACE | SP5 @ 1' | SP5 @ 2' | SP5 @ 3' | SP5 @ 4' | SP5 @ 5' | SP5 @ 6' | SP5 @ 7' |
|---------------|------------|-----------|------------------|----------|----------|----------|----------|----------|----------|----------|
| Analyte       | Method     | Date      | 10/19/18         | 10/19/18 | 10/19/18 | 10/19/18 | 10/19/18 | 10/19/18 | 10/19/18 | 10/19/18 |
|               |            |           | mg/kg            | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    |
| Benzene       | BTEX 8021B |           | <0.050           | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | n/a      | n/a      |
| Toluene       | BTEX 8021B |           | <0.050           | <0.050   | 0.57     | 0.443    | <0.050   | <0.050   | n/a      | n/a      |
| Ethylbenzene  | BTEX 8021B |           | <0.050           | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | n/a      | n/a      |
| Total Xylenes | BTEX 8021B |           | <0.150           | <0.150   | <0.150   | <0.150   | <0.150   | <0.150   | n/a      | n/a      |
| Total BTEX    | BTEX 8021B |           | <0.300           | <0.300   | 0.57     | 0.443    | <0.300   | <0.300   | n/a      | n/a      |
| Chloride      | SM4500Cl-B |           | 80               | 224      | 80       | 64       | 48       | 32       | 16       | 16       |
| GRO           | TPH 8015M  |           | <10.0            | <10.0    | 205      | 180      | 26.6     | <10.0    | n/a      | n/a      |
| DRO           | TPH 8015M  |           | <10.0            | 22.2     | 449      | 488      | 233      | 33.3     | n/a      | n/a      |
| EXT DRO       | TPH 8015M  |           | <10.0            | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | n/a      | n/a      |

|               |            | Sample ID | NORTH @<br>SURFACE | EAST @<br>SURFACE | WEST @<br>SURFACE | SOUTH @<br>SURFACE |
|---------------|------------|-----------|--------------------|-------------------|-------------------|--------------------|
| Analyte       | Method     | Date      | 10/19/18           | 10/19/18          | 10/19/18          | 10/19/18           |
|               |            |           | mg/kg              | mg/kg             | mg/kg             | mg/kg              |
| Benzene       | BTEX 8021B |           | <0.050             | <0.050            | <0.050            | <0.050             |
| Toluene       | BTEX 8021B |           | <0.050             | <0.050            | <0.050            | <0.050             |
| Ethylbenzene  | BTEX 8021B |           | <0.050             | <0.050            | <0.050            | <0.050             |
| Total Xylenes | BTEX 8021B |           | <0.150             | <0.150            | <0.150            | <0.150             |
| Total BTEX    | BTEX 8021B |           | <0.300             | <0.300            | <0.300            | <0.300             |
| Chloride      | SM4500Cl-B |           | 16                 | <16.0             | <16.0             | <16.0              |
| 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              |



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

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October 26, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SOLOMON STATE COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/22/18 15:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/18/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 1 @ SURFACE (H803031-01)**

| 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           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |  |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |  |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.8-142

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 80.0   | 16.0            | 10/25/2018 | 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            | 10/23/2018 | ND              | 201 | 100        | 200           | 0.602 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/23/2018 | ND              | 193 | 96.7       | 200           | 0.656 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/23/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 89.7 % 41-142

Surrogate: 1-Chlorooctadecane 86.9 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/18/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 1 @ 1' (H803031-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |  |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |  |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.8-142

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 640    | 16.0            | 10/25/2018 | 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            | 10/23/2018 | ND              | 201 | 100        | 200           | 0.602 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/23/2018 | ND              | 193 | 96.7       | 200           | 0.656 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/23/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 88.2 % 41-142

Surrogate: 1-Chlorooctadecane 88.2 % 37.6-147

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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/18/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 1 @ 2' (H803031-03)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 0.00 |           |

**Sample ID: SP 1 @ 3' (H803031-04)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 0.00 |           |

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/18/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 2 @ SURFACE (H803031-05)**

| 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           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |  |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |  |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.8-142

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 64.0   | 16.0            | 10/25/2018 | 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            | 10/23/2018 | ND              | 201 | 100        | 200           | 0.602 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/23/2018 | ND              | 193 | 96.7       | 200           | 0.656 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/23/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 91.0 % 41-142

Surrogate: 1-Chlorooctadecane 88.6 % 37.6-147

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**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/18/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 2 @ 1' (H803031-06)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.8-142

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>768</b> | 16.0            | 10/25/2018 | 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            | 10/23/2018 | ND              | 201 | 100        | 200           | 0.602 |           |
| <b>DRO &gt;C10-C28*</b> | <b>12.1</b> | 10.0            | 10/23/2018 | ND              | 193 | 96.7       | 200           | 0.656 |           |
| EXT DRO >C28-C36        | <10.0       | 10.0            | 10/23/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 87.9 % 41-142

Surrogate: 1-Chlorooctadecane 86.8 % 37.6-147

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**Analytical Results For:**

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/18/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 2 @ 2' (H803031-07)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 0.00 |           |

**Sample ID: SP 2 @ 3' (H803031-08)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 0.00 |           |  |

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**Analytical Results For:**

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/18/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 3 @ SURFACE (H803031-09)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |  |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |  |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.8-142

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 576    | 16.0            | 10/25/2018 | 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            | 10/23/2018 | ND              | 201 | 100        | 200           | 0.602 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/23/2018 | ND              | 193 | 96.7       | 200           | 0.656 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/23/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 95.3 % 41-142

Surrogate: 1-Chlorooctadecane 94.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/18/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 3 @ 1' (H803031-10)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |  |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |  |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.8-142

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 208    | 16.0            | 10/25/2018 | 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            | 10/24/2018 | ND              | 208 | 104        | 200           | 0.472 |           |
| DRO >C10-C28*    | 68.6   | 10.0            | 10/24/2018 | ND              | 202 | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/24/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 94.3 % 41-142

Surrogate: 1-Chlorooctadecane 87.0 % 37.6-147

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**Analytical Results For:**

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 3 @ 2' (H803031-11)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 208    | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 0.00 |           |  |

**Sample ID: SP 3 @ 3' (H803031-12)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 176    | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 0.00 |           |  |

**Sample ID: SP 3 @ 4' (H803031-13)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 624    | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 0.00 |           |  |

**Sample ID: SP 3 @ 5' (H803031-14)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 704    | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 0.00 |           |  |

**Sample ID: SP 3 @ 6' (H803031-15)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 576    | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 0.00 |           |  |

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 3 @ 7' (H803031-16)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 272    | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 0.00 |           |

**Sample ID: SP 3 @ 8' (H803031-17)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 240    | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 0.00 |           |

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 4 @ SURFACE (H803031-18)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |  |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |  |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.8-142

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 10/25/2018 | 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            | 10/24/2018 | ND              | 208 | 104        | 200           | 0.472 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/24/2018 | ND              | 202 | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/24/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 84.2 % 41-142

Surrogate: 1-Chlorooctadecane 78.8 % 37.6-147

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**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 4 @ 1' (H803031-19)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |  |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |  |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |  |

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

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | 26.2   | 10.0            | 10/24/2018 | ND              | 208 | 104        | 200           | 0.472 |           |
| DRO >C10-C28*    | 186    | 10.0            | 10/24/2018 | ND              | 202 | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/24/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 88.2 % 41-142

Surrogate: 1-Chlorooctadecane 82.6 % 37.6-147

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 4 @ 2' (H803031-20)**

| BTEX 8021B      |              | mg/kg           |            | Analyzed By: MS |      |            |               | S-04 |           |
|-----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte         | Result       | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*        | <0.050       | 0.050           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |
| <b>Toluene*</b> | <b>0.128</b> | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |
| Ethylbenzene*   | <0.050       | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |
| Total Xylenes*  | <0.150       | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |
| Total BTEX      | <0.300       | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 182 % 69.8-142

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>192</b> | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 3.92 |           |

| TPH 8015M               |             | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte                 | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| <b>GRO C6-C10*</b>      | <b>96.3</b> | 10.0            | 10/24/2018 | ND              | 208 | 104        | 200           | 0.472 |           |
| <b>DRO &gt;C10-C28*</b> | <b>220</b>  | 10.0            | 10/24/2018 | ND              | 202 | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36        | <10.0       | 10.0            | 10/24/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 91.3 % 37.6-147

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 4 @ 3' (H803031-21)**

| 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           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |  |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |  |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.8-142

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 112    | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 3.92 |           |  |

| 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            | 10/24/2018 | ND              | 208 | 104        | 200           | 0.472 |           |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/24/2018 | ND              | 202 | 101        | 200           | 1.73  |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/24/2018 | ND              |     |            |               |       |           |  |

Surrogate: 1-Chlorooctane 88.8 % 41-142

Surrogate: 1-Chlorooctadecane 83.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 4 @ 4' (H803031-22)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 240    | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 3.92 |           |  |

**Sample ID: SP 4 @ 5' (H803031-23)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 256    | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 3.92 |           |  |

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 5 @ SURFACE (H803031-24)**

| 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           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |  |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |  |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.8-142

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 3.92 |           |

| 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            | 10/24/2018 | ND              | 208 | 104        | 200           | 0.472 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/24/2018 | ND              | 202 | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/24/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 84.2 % 41-142

Surrogate: 1-Chlorooctadecane 80.9 % 37.6-147

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 5 @ 1' (H803031-25)**

| 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           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |  |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |  |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.8-142

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 224    | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 3.92 |           |

| 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            | 10/24/2018 | ND              | 208 | 104        | 200           | 0.472 |           |
| DRO >C10-C28*    | 22.2   | 10.0            | 10/24/2018 | ND              | 202 | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/24/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 88.9 % 41-142

Surrogate: 1-Chlorooctadecane 86.6 % 37.6-147

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 5 @ 2' (H803031-26)**

| BTEX 8021B        |              | mg/kg           | Analyzed By: MS |              |      |            |               | S-04 |           |
|-------------------|--------------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte           | Result       | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*          | <0.050       | 0.050           | 10/24/2018      | ND           | 2.00 | 99.8       | 2.00          | 1.59 |           |
| <b>Toluene*</b>   | <b>0.570</b> | 0.050           | 10/24/2018      | ND           | 1.92 | 96.0       | 2.00          | 2.18 |           |
| Ethylbenzene*     | <0.050       | 0.050           | 10/24/2018      | ND           | 1.94 | 96.8       | 2.00          | 1.44 |           |
| Total Xylenes*    | <0.150       | 0.150           | 10/24/2018      | ND           | 5.67 | 94.5       | 6.00          | 1.26 |           |
| <b>Total BTEX</b> | <b>0.570</b> | 0.300           | 10/24/2018      | ND           |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 153 % 69.8-142

| Chloride, SM4500Cl-B    |             | mg/kg           | Analyzed By: AC |              |     |            |               |       |           |
|-------------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte                 | Result      | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| <b>Chloride</b>         | <b>80.0</b> | 16.0            | 10/25/2018      | ND           | 416 | 104        | 400           | 3.92  |           |
| TPH 8015M               |             | mg/kg           | Analyzed By: MS |              |     |            |               |       |           |
| Analyte                 | Result      | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| <b>GRO C6-C10*</b>      | <b>205</b>  | 10.0            | 10/24/2018      | ND           | 208 | 104        | 200           | 0.472 |           |
| <b>DRO &gt;C10-C28*</b> | <b>449</b>  | 10.0            | 10/24/2018      | ND           | 202 | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36        | <10.0       | 10.0            | 10/24/2018      | ND           |     |            |               |       |           |

Surrogate: 1-Chlorooctane 118 % 41-142

Surrogate: 1-Chlorooctadecane 86.8 % 37.6-147

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**Analytical Results For:**

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 Cliff Brunson  
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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 5 @ 3' (H803031-27)**

| BTEX 8021B        |              | mg/kg           | Analyzed By: MS |              |      |            |               | S-04 |           |
|-------------------|--------------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte           | Result       | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*          | <0.050       | 0.050           | 10/24/2018      | ND           | 2.00 | 99.8       | 2.00          | 1.59 |           |
| <b>Toluene*</b>   | <b>0.443</b> | 0.050           | 10/24/2018      | ND           | 1.92 | 96.0       | 2.00          | 2.18 |           |
| Ethylbenzene*     | <0.050       | 0.050           | 10/24/2018      | ND           | 1.94 | 96.8       | 2.00          | 1.44 |           |
| Total Xylenes*    | <0.150       | 0.150           | 10/24/2018      | ND           | 5.67 | 94.5       | 6.00          | 1.26 |           |
| <b>Total BTEX</b> | <b>0.443</b> | 0.300           | 10/24/2018      | ND           |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 153 % 69.8-142

| Chloride, SM4500Cl-B    |             | mg/kg           | Analyzed By: AC |              |     |            |               |       |           |
|-------------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte                 | Result      | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| <b>Chloride</b>         | <b>64.0</b> | 16.0            | 10/25/2018      | ND           | 416 | 104        | 400           | 3.92  |           |
| TPH 8015M               |             | mg/kg           | Analyzed By: MS |              |     |            |               |       |           |
| Analyte                 | Result      | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| <b>GRO C6-C10*</b>      | <b>180</b>  | 10.0            | 10/24/2018      | ND           | 208 | 104        | 200           | 0.472 |           |
| <b>DRO &gt;C10-C28*</b> | <b>488</b>  | 10.0            | 10/24/2018      | ND           | 202 | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36        | <10.0       | 10.0            | 10/24/2018      | ND           |     |            |               |       |           |

Surrogate: 1-Chlorooctane 124 % 41-142

Surrogate: 1-Chlorooctadecane 91.6 % 37.6-147

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 5 @ 4' (H803031-28)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               | S-04 |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 154 % 69.8-142

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | 26.6   | 10.0            | 10/24/2018 | ND              | 208 | 104        | 200           | 0.472 |           |
| DRO >C10-C28*    | 233    | 10.0            | 10/24/2018 | ND              | 202 | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/24/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 98.1 % 41-142

Surrogate: 1-Chlorooctadecane 91.8 % 37.6-147

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 5 @ 5' (H803031-29)**

| 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           | 10/24/2018 | ND              | 2.00 | 99.8       | 2.00          | 1.59 |           |  |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND              | 1.92 | 96.0       | 2.00          | 2.18 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND              | 1.94 | 96.8       | 2.00          | 1.44 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND              | 5.67 | 94.5       | 6.00          | 1.26 |           |  |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.8-142

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 3.92 |           |  |

| 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            | 10/24/2018 | ND              | 208 | 104        | 200           | 0.472 |           |
| DRO >C10-C28*    | 33.3   | 10.0            | 10/24/2018 | ND              | 202 | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/24/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 86.5 % 41-142

Surrogate: 1-Chlorooctadecane 80.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SP 5 @ 6' (H803031-30)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: SP 5 @ 7' (H803031-31)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 10/25/2018 | ND              | 416 | 104        | 400           | 3.92 |           |

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: NORTH @ SURFACE (H803031-32)**

| 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           | 10/24/2018 | ND           | 1.92            | 96.1       | 2.00          | 0.0867  |           |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND           | 1.82            | 91.1       | 2.00          | 0.499   |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND           | 1.81            | 90.7       | 2.00          | 0.346   |           |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND           | 5.45            | 90.9       | 6.00          | 0.00717 |           |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND           |                 |            |               |         |           |

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 69.8-142

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AC |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 10/25/2018 | ND           | 416             | 104        | 400           | 3.92 |           |

| 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            | 10/24/2018 | ND           | 208             | 104        | 200           | 0.472 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/24/2018 | ND           | 202             | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/24/2018 | ND           |                 |            |               |       |           |

Surrogate: 1-Chlorooctane 93.4 % 41-142

Surrogate: 1-Chlorooctadecane 85.5 % 37.6-147

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: EAST @ SURFACE (H803031-33)**

| 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           | 10/24/2018 | ND           | 1.81            | 90.4       | 2.00          | 0.255 |           |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND           | 1.72            | 86.0       | 2.00          | 0.574 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND           | 1.72            | 86.2       | 2.00          | 0.926 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND           | 5.17            | 86.2       | 6.00          | 1.60  |           |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND           |                 |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 69.8-142

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AC |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 10/25/2018 | ND           | 416             | 104        | 400           | 3.92 |           |

| 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            | 10/24/2018 | ND           | 208             | 104        | 200           | 0.472 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/24/2018 | ND           | 202             | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/24/2018 | ND           |                 |            |               |       |           |

Surrogate: 1-Chlorooctane 95.6 % 41-142

Surrogate: 1-Chlorooctadecane 87.4 % 37.6-147

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: WEST @ SURFACE (H803031-34)**

| 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           | 10/24/2018 | ND           | 1.81            | 90.4       | 2.00          | 0.255 |           |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND           | 1.72            | 86.0       | 2.00          | 0.574 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND           | 1.72            | 86.2       | 2.00          | 0.926 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND           | 5.17            | 86.2       | 6.00          | 1.60  |           |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND           |                 |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 69.8-142

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AC |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 10/25/2018 | ND           | 416             | 104        | 400           | 3.92 |           |

| 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            | 10/24/2018 | ND           | 208             | 104        | 200           | 0.472 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/24/2018 | ND           | 202             | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/24/2018 | ND           |                 |            |               |       |           |

Surrogate: 1-Chlorooctane 95.6 % 41-142

Surrogate: 1-Chlorooctadecane 87.8 % 37.6-147

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**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 10/22/2018            | Sampling Date:      | 10/19/2018     |
| Reported:         | 10/26/2018            | Sampling Type:      | Soil           |
| Project Name:     | SOLOMON STATE COM #1H | Sampling Condition: | Cool & Intact  |
| Project Number:   | ( 9/24/18 )           | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - EDDY CO NM      |                     |                |

**Sample ID: SOUTH @ SURFACE (H803031-35)**

| 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           | 10/24/2018 | ND           | 1.81            | 90.4       | 2.00          | 0.255 |           |
| Toluene*       | <0.050 | 0.050           | 10/24/2018 | ND           | 1.72            | 86.0       | 2.00          | 0.574 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/24/2018 | ND           | 1.72            | 86.2       | 2.00          | 0.926 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/24/2018 | ND           | 5.17            | 86.2       | 6.00          | 1.60  |           |
| Total BTEX     | <0.300 | 0.300           | 10/24/2018 | ND           |                 |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 69.8-142

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AC |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 10/25/2018 | ND           | 416             | 104        | 400           | 3.92 |           |

| 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            | 10/24/2018 | ND           | 208             | 104        | 200           | 0.472 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/24/2018 | ND           | 202             | 101        | 200           | 1.73  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/24/2018 | ND           |                 |            |               |       |           |

Surrogate: 1-Chlorooctane 95.3 % 41-142

Surrogate: 1-Chlorooctadecane 89.7 % 37.6-147

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### Notes and Definitions

|       |  |
|-------|--|
| S-04  | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.   |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.                               |
| ND    | Analyte NOT DETECTED at or above the reporting limit   |
| RPD   | Relative Percent Difference  |
| **    | Samples not received at proper temperature of 6°C or below.  |
| ***   | Insufficient time to reach temperature.  |
| -     | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

---

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A handwritten signature in black ink that reads "Caley D. Keene".

---

Caley D. Keene, Lab Director/Quality Manager

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST


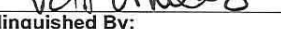

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|  |  |                |   |  |                |
|--|--|----------------|---|--|----------------|
| Relinquished By:  |  | Date: 10/19/18 | Received By:  | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
|  |  | Time: 5:30pm   |   | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No   | Add'l Fax #:   |
| Relinquished By:  |  | Date: 10-22-18 | Received By:  | REMARKS:   |                |
| Delivered By: (Circle One)   |  | Time: 15:50    | Sample Condition  | CHECKED BY: (Initials)   |                |
| Sampler - UPS - Bus - Other: -3.4°C #97  |  |                | Cool Intact   |  |                |
|  |  |                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                               | T.O.   |                |
|  |  |                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                               |  |                |

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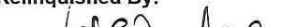


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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

30x4

[illegible]

**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 #: |
|  |  | Time:   |   | Fax Result:   | <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #:   |
| Relinquished By:  |  | Date:   | Received By:  | REMARKS:      |  |                |
|  |  | Time:   |  |               |  |                |
| Delivered By: (Circle One)  |  | Sample Condition  |   | CHECKED BY:   |  |                |
| Sampler - UPS - Bus - Other:  |  | Cool Intact   |   | (Initials)    |  |                |
| - 3.4c #97  |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |   | TO.           |  |                |

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



**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

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

4084

|   |                 |                   |              |                       |            |                                     |          |   |          |                                     |            |        |          |         |                                     |                                     |                                     |  |  |
|---|-----------------|-------------------|--------------|-----------------------|------------|-------------------------------------|----------|---|----------|-------------------------------------|------------|--------|----------|---------|-------------------------------------|-------------------------------------|-------------------------------------|--|--|
| Company Name: BBC International, Inc.         |                 |                   |              | <b>BILL TO</b>        |            |                                     |          | <b>ANALYSIS REQUEST</b>   |          |                                     |            |        |          |         |                                     |                                     |                                     |  |  |
| Project Manager: Cliff Brunson                |                 |                   |              | P.O. #:               |            |                                     |          | <div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CI</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH EXT</div> </div> |          |                                     |            |        |          |         |                                     |                                     |                                     |  |  |
| Address: P.O. Box 805                         |                 |                   |              | Company: <i>Oxy</i>   |            |                                     |          |   |          |                                     |            |        |          |         |                                     |                                     |                                     |  |  |
| City: Hobbs State: NM Zip: 88241              |                 |                   |              | Attn: <i>D. Smith</i> |            |                                     |          |   |          |                                     |            |        |          |         |                                     |                                     |                                     |  |  |
| Phone #: 575-397-6388 Fax #: 575-397-0397     |                 |                   |              | Address:              |            |                                     |          |   |          |                                     |            |        |          |         |                                     |                                     |                                     |  |  |
| Project #: Project Owner: Oxy                 |                 |                   |              | City:                 |            |                                     |          |   |          |                                     |            |        |          |         |                                     |                                     |                                     |  |  |
| Project Name: Solomon State Com #1H (9/24/18) |                 |                   |              | State: Zip:           |            |                                     |          |   |          |                                     |            |        |          |         |                                     |                                     |                                     |  |  |
| Project Location: Eddy County, NM             |                 |                   |              | Phone #:              |            |                                     |          |   |          |                                     |            |        |          |         |                                     |                                     |                                     |  |  |
| Sampler Name: Jeff Ornelas                    |                 |                   |              | Fax #:                |            |                                     |          |   |          |                                     |            |        |          |         |                                     |                                     |                                     |  |  |
| FOR LAB USE ONLY                              |                 |                   |              |                       |            |                                     |          |   |          |                                     |            |        |          |         |                                     |                                     |                                     |  |  |
| Lab I.D.                                      | Sample I.D.     | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX                |            |                                     | PRESERV. |   | SAMPLING |                                     |            |        |          |         |                                     |                                     |                                     |  |  |
|   |                 |                   |              | GROUNDWATER           | WASTEWATER | SOIL                                | OIL      | SLUDGE  | OTHER:   | ACID/BASE:                          | ICE / COOL | OTHER: | DATE     | TIME    |                                     |                                     |                                     |  |  |
| <i>H803031</i>                                |                 |                   |              |                       |            |                                     |          |   |          |                                     |            |        |          |         |                                     |                                     |                                     |  |  |
| <i>31</i>                                     | SP5 @ 7'        | <i>G</i>          | <i>1</i>     |                       |            | <input checked="" type="checkbox"/> |          |   |          | <input checked="" type="checkbox"/> |            |        | 10/19/18 | 2:33 PM | <input checked="" type="checkbox"/> |                                     |                                     |  |  |
| <i>32</i>                                     | NORTH @ SURFACE |                   |              |                       |            |                                     |          |   |          |                                     |            |        | 10/19/18 | 2:45 PM | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |  |  |
| <i>33</i>                                     | EAST @ SURFACE  |                   |              |                       |            |                                     |          |   |          |                                     |            |        | 10/19/18 | 2:55 PM | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |  |  |
| <i>34</i>                                     | WEST @ SURFACE  |                   |              |                       |            |                                     |          |   |          |                                     |            |        | 10/19/18 | 3:01 PM | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |  |  |
| <i>35</i>                                     | SOUTH @ SURFACE |                   |              |                       |            |                                     |          |   |          |                                     |            |        | 10/19/18 | 3:15 PM | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |  |  |
| <i>KAD</i><br><i>10/20/18</i>                 |                 |                   |              |                       |            |                                     |          |   |          |                                     |            |        |          |         |                                     |                                     |                                     |  |  |

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|                              |   |                      |   |
|------------------------------|---|----------------------|---|
| Relinquished By:             | Date: <i>10/19/18</i>   | Received By:         | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: |
| <i>Jeff Ornelas</i>          | Time: <i>5:31</i>   |                      | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:     |
| Relinquished By:             | Date: <i>10-22-18</i>   | Received By:         | REMARKS:  |
| <i>Jeff Ornelas</i>          | Time: <i>15:50</i>  | <i>Amara Oldaker</i> |   |
| Delivered By: (Circle One)   | Sample Condition  | CHECKED BY:          |   |
| Sampler - UPS - Bus - Other: | Cool Intact   | (Initials)           |   |
| <i>- 3.4° #97</i>            | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <i>JO</i>            |   |

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