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## DELINEATION/REMEDATION WORKPLAN

### OXY – CEDAR CANYON 28-4 CTB (Leak Date: 10/30/20)

**Incident ID: NAPP2109549390**

This delineation workplan and remediation proposal addresses the releases associated with Incident ID #NAPP2109549390.

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).
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, SP10, SP12, and SP13 (ORANGE shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP2, SP5, and SP8 (GREEN shade on diagram) will require zero remediation. The leak area near SP3, SP6, and SP14 (BLUE shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP4 (PINK shade on diagram) will be excavated to a depth of 5 feet. The leak area near SP7, SP9, and SP11 (YELLOW shade on diagram) will be excavated to a depth of 4 feet.***

***OXY will collect bottom and sidewall confirmation samples every 200 square feet. The estimated amount of soil to be excavated is 1,921 cubic yards. The remediation will be completed within 90 days of approval.***

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

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

Form C-141

State of New Mexico  
Oil Conservation Division

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Incident ID	NAPP2109549390
District RP	
Facility ID	
Application ID	

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

What is the shallowest depth to groundwater beneath the area affected by the release?	57 (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 <b>not</b> 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

State of New Mexico  
Oil Conservation Division

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Incident ID	NAPP2109549390
District RP	
Facility ID	
Application ID	

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

Printed Name: Wade Dittrich Title: Environmental CoordinatorSignature:  Date: 6-16-21email: wade\_dittrich@oxy.com Telephone: (575) 390-2828**OCD Only**

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

Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2109549390
District RP	
Facility ID	
Application ID	

## Remediation Plan


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

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator  
Signature:  Date: 6-16-21  
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 Cedar Canyon 28-4 CTB

Leak Date: 10/30/20  
Eddy County, NM  
Incident ID: nAPP2109549390

Legend

2' Excavation

3' Excavation

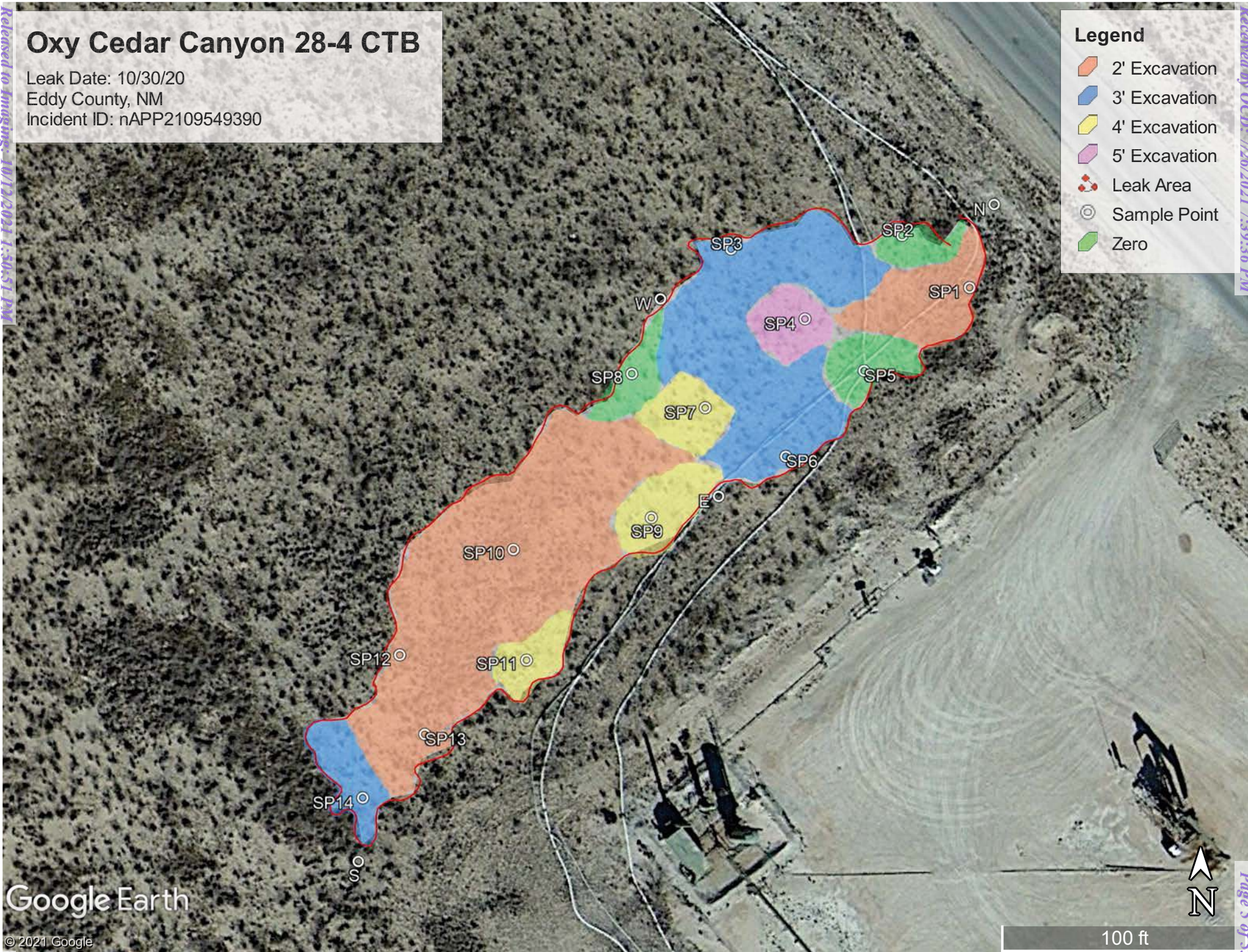
4' Excavation

5' Excavation

Leak Area

Sample Point

Zero



Google Earth

© 2021 Google

100 ft





Oxy – Cedar Canyon 28 4 CTB ( 10-30-20 )

Sample Points:

NORTH – N 32.19739 W 104.00369  
WEST – N 32.19728 W 104.00412  
EAST - N 32.19706 W 104.00405  
SOUTH – N 32.19666 W 104.00453  
SP1 - N 32.19730 W 104.00372  
SP2 - N 32.19730 W 104.00372  
SP3 - N 32.19734 W 104.00403  
SP4 - N 32.19726 W 104.00394  
SP5 - N 32.19720 W 104.00386  
SP6 - N 32.19711 W 104.00396  
SP7 - N 32.19716 W 104.00407  
SP8 - N 32.19720 W 104.00417  
SP9 - N 32.19704 W 104.00414  
SP10 - N 32.19700 W 104.00432  
SP11 - N 32.19688 W 104.00430  
SP12 - N 32.19689 W 104.00447  
SP13 - N 32.19680 W 104.00444  
SP14 - N 32.19673 W 104.00452



USGS Home  
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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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- Explore the **NEW** [USGS National Water Dashboard](#) to access real-time data from over 13,500 stations nationwide.
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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 =

- 321234104002601

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

USGS 321234104002601 24S.29E.20.122

Eddy County, New Mexico  
Latitude 32°12'34", Longitude 104°00'26" NAD27  
Land-surface elevation 2,950 feet above NGVD29

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1974-12-17		D	57.11			2		Z	USGS	
1975-07-14		D	57.55			2		Z	USGS	

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	Z	Other.
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.

Section	Code	Description
Water-level approval status	A	Approved for publication -- Processing and review completed.

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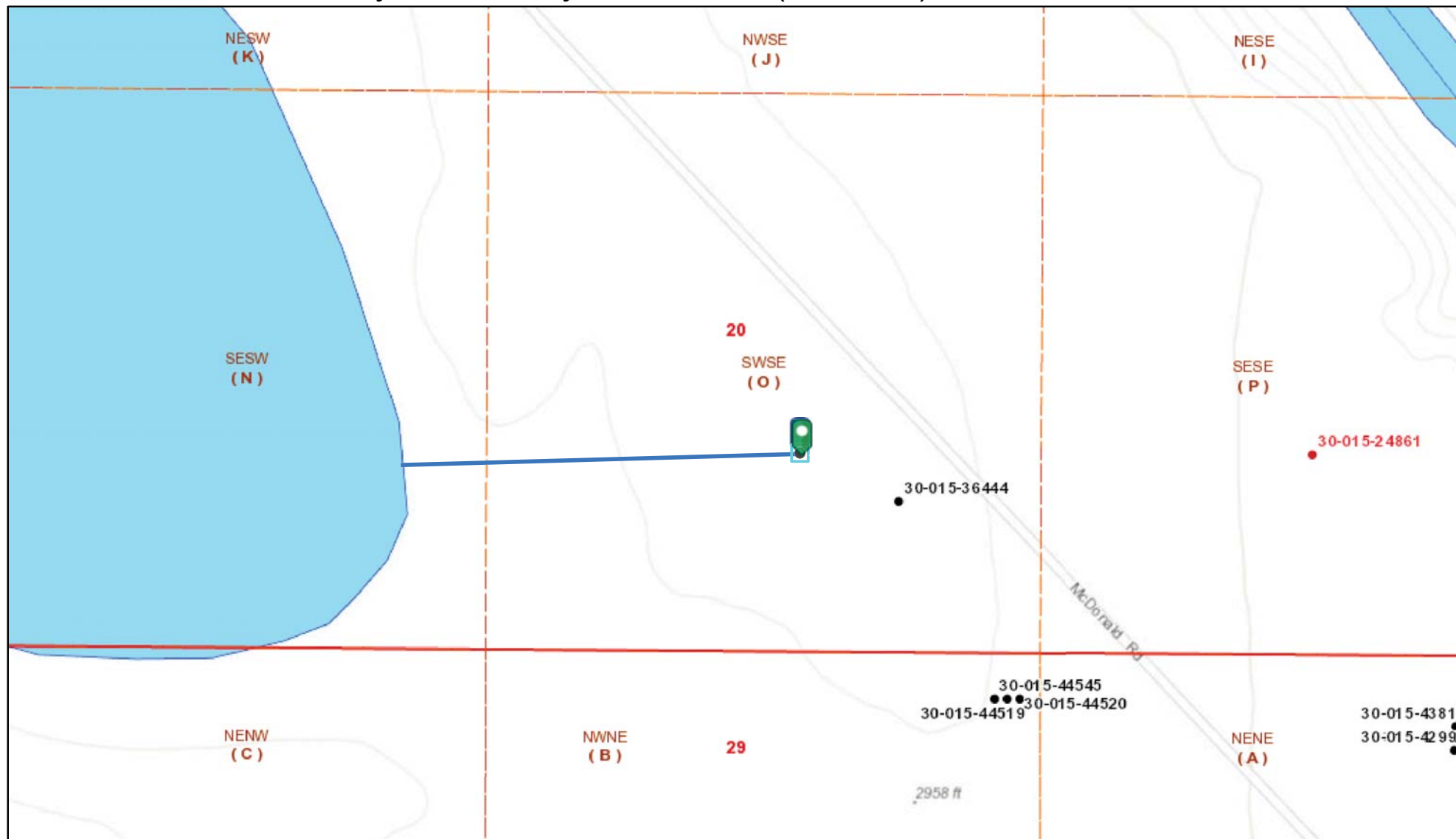
[Accessibility](#)   [FOIA](#)   [Privacy](#)   [Policies and Notices](#)  
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)  
**Title:** Groundwater for New Mexico: Water Levels  
**URL:** <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)  
Page Last Modified: 2020-12-21 13:22:39 EST  
0.63 0.27 nadww01

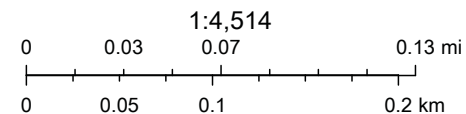


## Oxy Cedar Canyon 28 4 CTB (10-30-20) 960 ft to h2o



12/10/2020, 10:55:59 AM

Wells - Large Scale	✱ CO2, Cancelled	✱ Gas, Active	✱ Gas, Temporarily Abandoned	✱ Injection, Plugged
✱ undefined	✱ CO2, New	✱ Gas, Cancelled	✱ Injection, Active	
✱ Miscellaneous	✱ CO2, Plugged	✱ Gas, New	✱ Injection, Cancelled	
✱ CO2, Active	✱ CO2, Temporarily Abandoned	✱ Gas, Plugged	✱ Injection, New	



Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., OCD, Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA, BLM

New Mexico Oil Conservation Division


NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division


# Oxy Cedar Canyon 28 4 CTB

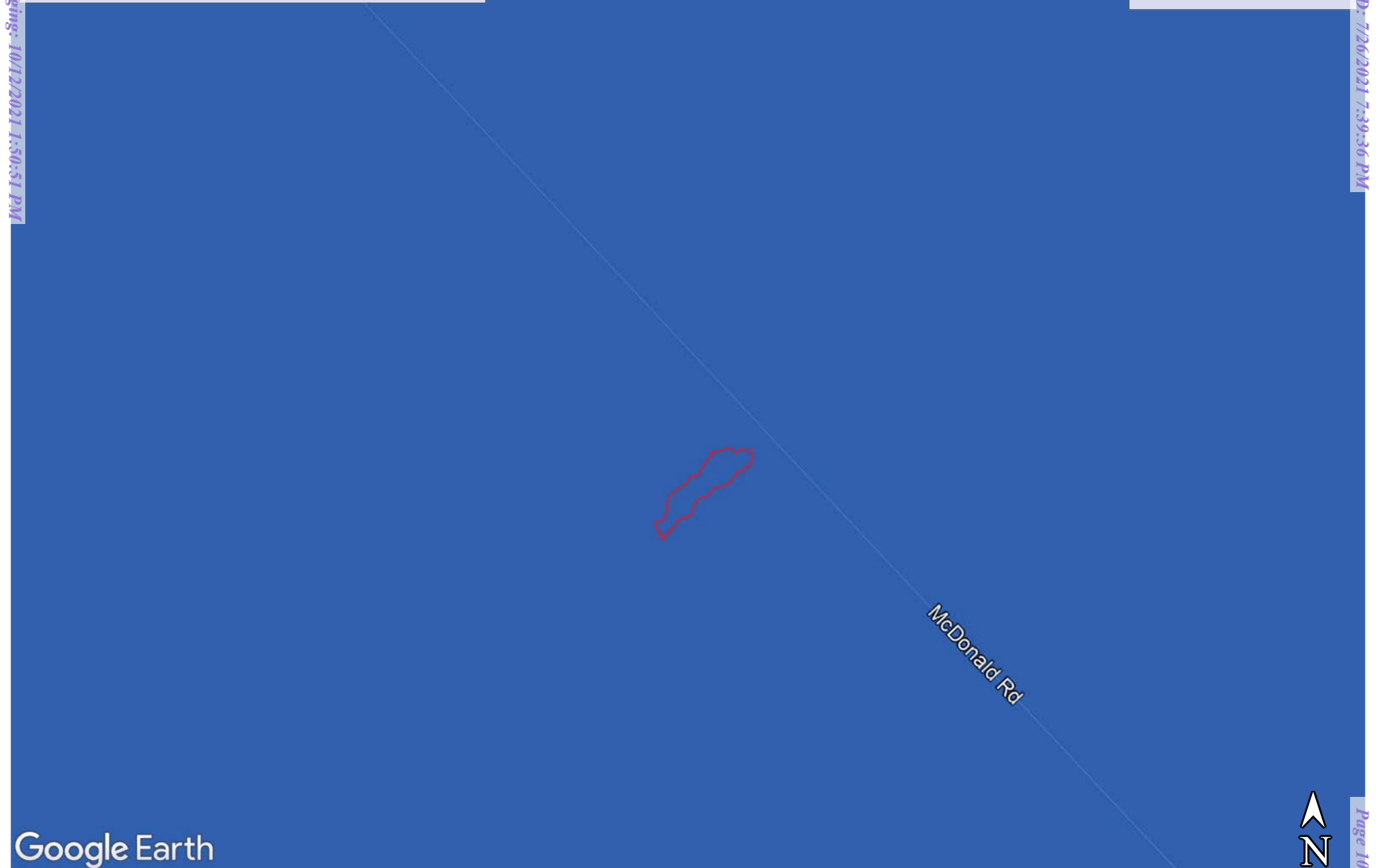
Leak Date: 10-30-20  
Eddy County, NM

## BLM CAVE KARST MAP

Legend

 Leak Area

 Medium Potential

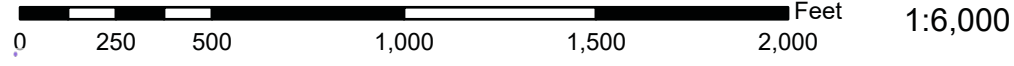


Google Earth

# National Flood Hazard Layer FIRMette



4°0'34"W 32°12'5"N



USGS The National Map: Orthoimagery. Data refreshed October, 2020.

103°59'56"W 32°11'34"N

## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) 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
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		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
		Hydrographic Feature
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 12/21/2020 at 1:30 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 10/12/2021 1:50:51 PM

Received by OCD: 7/26/2021 7:39:36 PM

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Laboratory Analytical Results Summary  
Oxy, Cedar Canyon 28-4 CTB 10-30-20

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	3/9/21	3/9/21	3/9/21	3/9/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		32.0	<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

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	3/9/21	3/9/21	3/9/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		6930	13500	<16.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	3/9/21	3/9/21	3/9/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		<16.0	48.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	3/9/21	3/9/21	3/9/21	3/16/21	3/16/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		8660	4930	3760	528	512
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a



Laboratory Analytical Results Summary  
Oxy, Cedar Canyon 28-4 CTB 10-30-20

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'	SP4 @ 6'	SP4 @ 7'
Analyte	Method	Date	3/9/21	3/9/21	3/9/21	3/16/21	3/16/21	6/4/20	6/4/20	6/4/20
			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
Toluene	BTEX 8021B		<0.050	<0.050	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
Total Xylenes	BTEX 8021B		<0.150	<0.150	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
Chloride	SM4500Cl-B		18200	11600	9600	560	704	160	80	80
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	N/A	N/A	N/A
DRO	TPH 8015M		178	21.5	n/a	n/a	n/a	N/A	N/A	N/A
EXT DRO	TPH 8015M		57.2	<10.0	n/a	n/a	n/a	N/A	N/A	N/A

		Sample ID	SP5 @ Surface	SP5 @ 1'
Analyte	Method	Date	3/9/21	3/9/21
			mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		32.0	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'
Analyte	Method	Date	3/10/21	3/10/21	3/16/21	3/16/21	3/16/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A	N/A
Toluene	BTEX 8021B		<0.050	<0.050	N/A	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A	N/A	N/A
Chloride	SM4500Cl-B		22000	6400	4040	32	560
GRO	TPH 8015M		<10.0	<10.0	N/A	N/A	N/A
DRO	TPH 8015M		471	16.3	N/A	N/A	N/A
EXT DRO	TPH 8015M		200	<10.0	N/A	N/A	N/A

		Sample ID	SP7 @ Surface	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'	SP7 @ 5'	SP7 @ 6'
Analyte	Method	Date	3/10/21	3/10/21	3/16/21	3/16/21	6/4/21	6/4/21	6/4/21
			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	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	N/A	N/A	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A	N/A	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A	N/A	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A	N/A	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		32800	9000	208	752	160.0	64.0	80.0
GRO	TPH 8015M		<10.0	<10.0	N/A	N/A	<10.0	<10.0	<10.0
DRO	TPH 8015M		284	17.0	N/A	N/A	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		130	<10.0	N/A	N/A	<10.0	<10.0	<10.0

Laboratory Analytical Results Summary  
Oxy, Cedar Canyon 28-4 CTB 10-30-20

		Sample ID	SP8 @ Surface	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'
Analyte	Method	Date	3/16/21	3/16/21	3/16/21	3/16/21
			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		16	80	32	448
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	SP9 @ Surface	SP9 @ 1'	SP9 @ 2'	SP9 @ 3'	SP9 @ 4'	SP9 @ 5'
Analyte	Method	Date	3/16/21	3/16/21	3/16/21	3/16/21	6/4/21	6/4/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	N/A	N/A	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A	N/A	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A	N/A	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A	N/A	<0.300	<0.300
Chloride	SM4500Cl-B		56800	6640	752	704	176.0	96.0
GRO	TPH 8015M		<10.0	<10.0	N/A	N/A	<10.0	<10.0
DRO	TPH 8015M		40	<10.0	N/A	N/A	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	N/A	N/A	<10.0	<10.0

		Sample ID	SP10 @ Surface	SP10 @ 1'	SP10 @ 2'	SP10 @ 3'
Analyte	Method	Date	3/16/21	3/16/21	3/16/21	3/16/21
			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		11000	1890	176	160
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	SP11 @ Surface	SP11 @ 1'	SP11 @ 2'	SP11 @ 3'	SP11 @ 4'	SP11 @ 5'
Analyte	Method	Date	3/16/21	3/16/21	3/16/21	3/16/21	6/4/21	6/4/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	N/A	N/A	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A	N/A	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A	N/A	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A	N/A	<0.300	<0.300
Chloride	SM4500Cl-B		13800	576	128	656	192.0	64.0
GRO	TPH 8015M		<10.0	<10.0	N/A	N/A	<10.0	<10.0
DRO	TPH 8015M		26.6	<10.0	N/A	N/A	<10.0	<10.0
EXT DRO	TPH 8015M		12.6	<10.0	N/A	N/A	<10.0	<10.0

Laboratory Analytical Results Summary  
Oxy, Cedar Canyon 28-4 CTB 10-30-20

		Sample ID	SP12 @ Surface	SP12 @ 1'	SP12 @ 2'	SP12 @ 3'
Analyte	Method	Date	3/16/21	3/16/21	3/16/21	3/16/21
			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		6260	752	192	65
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	SP13 @ Surface	SP13 @ 1'	SP13 @ 2'	SP13 @ 3'
Analyte	Method	Date	3/16/21	3/16/21	3/16/21	3/16/21
			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		18200	1040	544	512
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	SP14 @ Surface	SP14 @ 1'	SP14 @ 2'	SP14 @ 3'	SP14 @ 4'	SP14 @ 5'	SP14 @ 6'
Analyte	Method	Date	3/16/21	3/16/21	3/16/21	3/16/21	6/4/21	6/4/21	6/4/21
			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	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	N/A	N/A	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A	N/A	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A	N/A	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A	N/A	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		17400	1860	2160	624	368.0	80.0	64.0
GRO	TPH 8015M		<10.0	<10.0	N/A	N/A	<10.0	<10.0	<10.0
DRO	TPH 8015M		47	<10.0	N/A	N/A	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		18.2	<10.0	N/A	N/A	<10.0	<10.0	<10.0



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June 09, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON 28 - 4 CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/07/21 16:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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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: 06/07/2021  
 Reported: 06/09/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 06/04/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 4 @ 5' (H211454-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/08/2021	ND	416	104	400	3.77	

**Sample ID: SP 4 @ 6' (H211454-02)**

Chloride, SM4500CI-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	06/08/2021	ND	416	104	400	3.77	

**Sample ID: SP 4 @ 7' (H211454-03)**

Chloride, SM4500CI-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	06/08/2021	ND	416	104	400	3.77	

**Sample ID: SP 7 @ 4' (H211454-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/08/2021	ND	416	104	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2021  
 Reported: 06/09/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 06/04/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 7 @ 5' (H211454-05)**

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	06/08/2021	ND	416	104	400	3.77		

**Sample ID: SP 7 @ 6' (H211454-06)**

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	06/08/2021	ND	416	104	400	3.77		

**Sample ID: SP 9 @ 4' (H211454-07)**

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	06/08/2021	ND	416	104	400	3.77		

**Sample ID: SP 9 @ 5' (H211454-08)**

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	06/08/2021	ND	416	104	400	3.77	

**Sample ID: SP 11 @ 4' (H211454-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/08/2021	ND	416	104	400	3.77	

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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:	06/07/2021	Sampling Date:	06/04/2021
Reported:	06/09/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 - 4 CTB	Sampling Condition:	Cool & Intact
Project Number:	( 10-30-20 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY COUNTY, NM		

**Sample ID: SP 11 @ 5' (H211454-10)**

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	06/08/2021	ND	416	104	400	3.77	

**Sample ID: SP 14 @ 4' (H211454-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	06/08/2021	ND	416	104	400	3.77	

**Sample ID: SP 14 @ 5' (H211454-12)**

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	06/08/2021	ND	416	104	400	3.77		

**Sample ID: SP 14 @ 6' (H211454-13)**

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	06/08/2021	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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

---

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL LABORATORIES**

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
<b>Project Manager:</b> Cliff Brunson				<b>P.O. #:</b>																	
<b>Address:</b> P.O. Box 805				<b>Company:</b> OXY																	
<b>City:</b> Hobbs				<b>Attn:</b> WADE																	
<b>Phone #:</b> 575-397-6388				<b>Fax #:</b> 575-397-0397																	
<b>Project #:</b>				<b>Project Owner:</b> Oxy																	
<b>Project Name:</b> Cedar Canyon 28.4 (10-30-20)				<b>City:</b>																	
<b>Project Location:</b>				<b>State:</b>																	
<b>Sample Name:</b> SIMON RENDON				<b>Phone #:</b>																	
<b>Fax #:</b>																					
<small>FOR LAB USE ONLY</small>																					
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP</b>		<b># CONTAINERS</b>		<b>MATRIX</b>		<b>PRESERV</b>		<b>SAMPLING</b>									
H211454		SP4 @ 5'		1		1		GROUNDWATER													
1		SP4 @ 6'		2		1		WASTEWATER													
2		SP4 @ 7'		3		1		SOIL													
3		SP7 @ 4'		4		1		OIL													
4		SP7 @ 5'		5		1		SLUDGE													
5		SP7 @ 6'		6		1		OTHER :													
6		SP9 @ 4'		7		1		ACID/BASE:													
7		SP9 @ 5'		8		1		ICE / COOL													
8		SP11 @ 4'		9		1		OTHER :													
9		SP11 @ 5'		10		1															
10				11		1															
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				142		1															
				143		1															
				144		1															
				145		1															
				146		1															



## ORDINAL LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

---

March 24, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON 28 - 4 CTB

Enclosed are the results of analyses for samples received by the laboratory on 03/18/21 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/18/2021	Sampling Date:	03/16/2021
Reported:	03/24/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 - 4 CTB	Sampling Condition:	Cool & Intact
Project Number:	( 10-30-20 )	Sample Received By:	Jodi Henson
Project Location:	OXY -EDDY COUNTY, NM		

**Sample ID: SP 3 @ 3' (H210698-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	03/22/2021	ND	400	100	400	0.00	

**Sample ID: SP 3 @ 4' (H210698-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/22/2021	ND	400	100	400	0.00	

**Sample ID: SP 4 @ 3' (H210698-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	03/22/2021	ND	400	100	400	0.00	

**Sample ID: SP 4 @ 4' (H210698-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	03/22/2021	ND	400	100	400	0.00	

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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: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 6 @ 2' (H210698-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4040	16.0	03/22/2021	ND	400	100	400	0.00	

**Sample ID: SP 6 @ 3' (H210698-06)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/22/2021	ND	400	100	400	0.00	

**Sample ID: SP 6 @ 4' (H210698-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	03/22/2021	ND	400	100	400	0.00	

**Sample ID: SP 7 @ 2' (H210698-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/22/2021	ND	400	100	400	0.00	

**Sample ID: SP 7 @ 3' (H210698-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	03/22/2021	ND	400	100	400	0.00	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 8 @ SURFACE (H210698-10)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2021	ND	2.12	106	2.00	1.27	
Toluene*	<0.050	0.050	03/19/2021	ND	2.15	108	2.00	1.48	
Ethylbenzene*	<0.050	0.050	03/19/2021	ND	2.09	104	2.00	1.33	
Total Xylenes*	<0.150	0.150	03/19/2021	ND	6.39	107	6.00	1.37	
Total BTX	<0.300	0.300	03/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/22/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2021	ND	204	102	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/23/2021	ND	199	99.3	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/23/2021	ND					

Surrogate: 1-Chlorooctane 72.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.8 % 42.2-156

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 8 @ 1' (H210698-11)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2021	ND	2.12	106	2.00	1.27	
Toluene*	<0.050	0.050	03/19/2021	ND	2.15	108	2.00	1.48	
Ethylbenzene*	<0.050	0.050	03/19/2021	ND	2.09	104	2.00	1.33	
Total Xylenes*	<0.150	0.150	03/19/2021	ND	6.39	107	6.00	1.37	
Total BTX	<0.300	0.300	03/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/22/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2021	ND	204	102	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/23/2021	ND	199	99.3	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/23/2021	ND					

Surrogate: 1-Chlorooctane 68.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.4 % 42.2-156

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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:	03/18/2021	Sampling Date:	03/16/2021
Reported:	03/24/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 - 4 CTB	Sampling Condition:	Cool & Intact
Project Number:	( 10-30-20 )	Sample Received By:	Jodi Henson
Project Location:	OXY -EDDY COUNTY, NM		

**Sample ID: SP 8 @ 2' (H210698-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/22/2021	ND	400	100	400	0.00		

**Sample ID: SP 8 @ 3' (H210698-13)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/22/2021	ND	400	100	400	0.00	

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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: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 9 @ SURFACE (H210698-14)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2021	ND	2.12	106	2.00	1.27	
Toluene*	<0.050	0.050	03/19/2021	ND	2.15	108	2.00	1.48	
Ethylbenzene*	<0.050	0.050	03/19/2021	ND	2.09	104	2.00	1.33	
Total Xylenes*	<0.150	0.150	03/19/2021	ND	6.39	107	6.00	1.37	
Total BTX	<0.300	0.300	03/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	56800	16.0	03/22/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2021	ND	204	102	200	5.64	
DRO >C10-C28*	40.0	10.0	03/23/2021	ND	199	99.3	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/23/2021	ND					

Surrogate: 1-Chlorooctane 78.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.8 % 42.2-156

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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: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 9 @ 1' (H210698-15)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2021	ND	2.12	106	2.00	1.27	
Toluene*	<0.050	0.050	03/19/2021	ND	2.15	108	2.00	1.48	
Ethylbenzene*	<0.050	0.050	03/19/2021	ND	2.09	104	2.00	1.33	
Total Xylenes*	<0.150	0.150	03/19/2021	ND	6.39	107	6.00	1.37	
Total BTX	<0.300	0.300	03/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6640	16.0	03/22/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2021	ND	204	102	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/23/2021	ND	199	99.3	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/23/2021	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.5 % 42.2-156

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	03/18/2021	Sampling Date:	03/16/2021
Reported:	03/24/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 - 4 CTB	Sampling Condition:	Cool & Intact
Project Number:	( 10-30-20 )	Sample Received By:	Jodi Henson
Project Location:	OXY -EDDY COUNTY, NM		

**Sample ID: SP 9 @ 2' (H210698-16)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	03/22/2021	ND	400	100	400	0.00		

**Sample ID: SP 9 @ 3' (H210698-17)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	03/22/2021	ND	400	100	400	0.00	

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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: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 10 @ SURFACE (H210698-18)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2021	ND	2.12	106	2.00	1.27	
Toluene*	<0.050	0.050	03/19/2021	ND	2.15	108	2.00	1.48	
Ethylbenzene*	<0.050	0.050	03/19/2021	ND	2.09	104	2.00	1.33	
Total Xylenes*	<0.150	0.150	03/19/2021	ND	6.39	107	6.00	1.37	
Total BTX	<0.300	0.300	03/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11000	16.0	03/22/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2021	ND	204	102	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/23/2021	ND	199	99.3	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	03/23/2021	ND					

Surrogate: 1-Chlorooctane 71.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.3 % 42.2-156

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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: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 10 @ 1' (H210698-19)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2021	ND	2.12	106	2.00	1.27	
Toluene*	<0.050	0.050	03/19/2021	ND	2.15	108	2.00	1.48	
Ethylbenzene*	<0.050	0.050	03/19/2021	ND	2.09	104	2.00	1.33	
Total Xylenes*	<0.150	0.150	03/19/2021	ND	6.39	107	6.00	1.37	
Total BTX	<0.300	0.300	03/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1890	16.0	03/22/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2021	ND	213	106	200	6.53	
DRO >C10-C28*	<10.0	10.0	03/19/2021	ND	205	102	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	03/19/2021	ND					

Surrogate: 1-Chlorooctane 73.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 69.4 % 42.2-156

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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:	03/18/2021	Sampling Date:	03/17/2021
Reported:	03/24/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 - 4 CTB	Sampling Condition:	Cool & Intact
Project Number:	( 10-30-20 )	Sample Received By:	Jodi Henson
Project Location:	OXY -EDDY COUNTY, NM		

**Sample ID: SP 10 @ 2' (H210698-20)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/22/2021	ND	400	100	400	0.00	

**Sample ID: SP 10 @ 3' (H210698-21)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/22/2021	ND	400	100	400	0.00	

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

Received: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 11 @ SURFACE (H210698-22)**

BTX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2021	ND	2.12	106	2.00	1.27		
Toluene*	<0.050	0.050	03/19/2021	ND	2.15	108	2.00	1.48		
Ethylbenzene*	<0.050	0.050	03/19/2021	ND	2.09	104	2.00	1.33		
Total Xylenes*	<0.150	0.150	03/19/2021	ND	6.39	107	6.00	1.37		
Total BTX	<0.300	0.300	03/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13800	16.0	03/22/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2021	ND	213	106	200	6.53	
DRO >C10-C28*	26.6	10.0	03/19/2021	ND	205	102	200	6.32	
EXT DRO >C28-C36	12.6	10.0	03/19/2021	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.3 % 42.2-156

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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: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 11 @ 1' (H210698-23)**

BTX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2021	ND	2.12	106	2.00	1.27		
Toluene*	<0.050	0.050	03/19/2021	ND	2.15	108	2.00	1.48		
Ethylbenzene*	<0.050	0.050	03/19/2021	ND	2.09	104	2.00	1.33		
Total Xylenes*	<0.150	0.150	03/19/2021	ND	6.39	107	6.00	1.37		
Total BTX	<0.300	0.300	03/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/22/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2021	ND	213	106	200	6.53	
DRO >C10-C28*	<10.0	10.0	03/19/2021	ND	205	102	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	03/19/2021	ND					

Surrogate: 1-Chlorooctane 76.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.3 % 42.2-156

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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:	03/18/2021	Sampling Date:	03/17/2021
Reported:	03/24/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 - 4 CTB	Sampling Condition:	Cool & Intact
Project Number:	( 10-30-20 )	Sample Received By:	Jodi Henson
Project Location:	OXY -EDDY COUNTY, NM		

**Sample ID: SP 11 @ 2' (H210698-24)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/22/2021	ND	400	100	400	0.00	

**Sample ID: SP 11 @ 3' (H210698-25)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	03/22/2021	ND	400	100	400	0.00	

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**Analytical Results For:**

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

Received: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 12 @ SURFACE (H210698-26)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/23/2021	ND	1.97	98.3	2.00	15.3		
Toluene*	<0.050	0.050	03/23/2021	ND	2.01	101	2.00	15.3		
Ethylbenzene*	<0.050	0.050	03/23/2021	ND	1.94	97.1	2.00	16.9		
Total Xylenes*	<0.150	0.150	03/23/2021	ND	6.01	100	6.00	17.1		
Total BTEX	<0.300	0.300	03/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6260	16.0	03/22/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2021	ND	213	106	200	6.53	
DRO >C10-C28*	<10.0	10.0	03/19/2021	ND	205	102	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	03/19/2021	ND					

Surrogate: 1-Chlorooctane 75.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.2 % 42.2-156

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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: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 12 @ 1' (H210698-27)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/23/2021	ND	1.97	98.3	2.00	15.3		
Toluene*	<0.050	0.050	03/23/2021	ND	2.01	101	2.00	15.3		
Ethylbenzene*	<0.050	0.050	03/23/2021	ND	1.94	97.1	2.00	16.9		
Total Xylenes*	<0.150	0.150	03/23/2021	ND	6.01	100	6.00	17.1		
Total BTX	<0.300	0.300	03/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	03/22/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2021	ND	213	106	200	6.53	
DRO >C10-C28*	<10.0	10.0	03/19/2021	ND	205	102	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	03/19/2021	ND					

Surrogate: 1-Chlorooctane 72.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 69.1 % 42.2-156

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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:	03/18/2021	Sampling Date:	03/17/2021
Reported:	03/24/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 - 4 CTB	Sampling Condition:	Cool & Intact
Project Number:	( 10-30-20 )	Sample Received By:	Jodi Henson
Project Location:	OXY -EDDY COUNTY, NM		

**Sample ID: SP 12 @ 2' (H210698-28)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/22/2021	ND	400	100	400	0.00	

**Sample ID: SP 12 @ 3' (H210698-29)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/23/2021	ND	400	100	400	7.69	

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

Received: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 13 @ SURFACE (H210698-30)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2021	ND	1.97	98.3	2.00	15.3	
Toluene*	<0.050	0.050	03/23/2021	ND	2.01	101	2.00	15.3	
Ethylbenzene*	<0.050	0.050	03/23/2021	ND	1.94	97.1	2.00	16.9	
Total Xylenes*	<0.150	0.150	03/23/2021	ND	6.01	100	6.00	17.1	
Total BTX	<0.300	0.300	03/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18200	16.0	03/23/2021	ND	400	100	400	7.69	

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	03/19/2021	ND	213	106	200	6.53	
DRO >C10-C28*	<10.0	10.0	03/19/2021	ND	205	102	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	03/19/2021	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.1 % 42.2-156

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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: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 13 @ 1' (H210698-31)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2021	ND	1.97	98.3	2.00	15.3	
Toluene*	<0.050	0.050	03/23/2021	ND	2.01	101	2.00	15.3	
Ethylbenzene*	<0.050	0.050	03/23/2021	ND	1.94	97.1	2.00	16.9	
Total Xylenes*	<0.150	0.150	03/23/2021	ND	6.01	100	6.00	17.1	
Total BTX	<0.300	0.300	03/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	03/23/2021	ND	400	100	400	7.69		

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	03/19/2021	ND	213	106	200	6.53	
DRO >C10-C28*	<10.0	10.0	03/19/2021	ND	205	102	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	03/19/2021	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.8 % 42.2-156

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/18/2021	Sampling Date:	03/17/2021
Reported:	03/24/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 - 4 CTB	Sampling Condition:	Cool & Intact
Project Number:	( 10-30-20 )	Sample Received By:	Jodi Henson
Project Location:	OXY -EDDY COUNTY, NM		

**Sample ID: SP 13 @ 2' (H210698-32)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	03/23/2021	ND	400	100	400	7.69	

**Sample ID: SP 13 @ 3' (H210698-33)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/23/2021	ND	400	100	400	7.69	

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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: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 14 @ SURFACE (H210698-34)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2021	ND	1.97	98.3	2.00	15.3	
Toluene*	<0.050	0.050	03/23/2021	ND	2.01	101	2.00	15.3	
Ethylbenzene*	<0.050	0.050	03/23/2021	ND	1.94	97.1	2.00	16.9	
Total Xylenes*	<0.150	0.150	03/23/2021	ND	6.01	100	6.00	17.1	
Total BTX	<0.300	0.300	03/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17400	16.0	03/23/2021	ND	400	100	400	7.69		

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	03/19/2021	ND	213	106	200	6.53	
DRO >C10-C28*	47.4	10.0	03/19/2021	ND	205	102	200	6.32	
EXT DRO >C28-C36	18.2	10.0	03/19/2021	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.3 % 42.2-156

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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: 03/18/2021  
 Reported: 03/24/2021  
 Project Name: CEDAR CANYON 28 - 4 CTB  
 Project Number: ( 10-30-20 )  
 Project Location: OXY -EDDY COUNTY, NM

Sampling Date: 03/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 14 @ 1' (H210698-35)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/23/2021	ND	1.97	98.3	2.00	15.3		
Toluene*	<0.050	0.050	03/23/2021	ND	2.01	101	2.00	15.3		
Ethylbenzene*	<0.050	0.050	03/23/2021	ND	1.94	97.1	2.00	16.9		
Total Xylenes*	<0.150	0.150	03/23/2021	ND	6.01	100	6.00	17.1		
Total BTX	<0.300	0.300	03/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1860	16.0	03/23/2021	ND	400	100	400	7.69	

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	03/19/2021	ND	213	106	200	6.53	
DRO >C10-C28*	<10.0	10.0	03/19/2021	ND	205	102	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	03/19/2021	ND					

Surrogate: 1-Chlorooctane 77.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.2 % 42.2-156

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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:	03/18/2021	Sampling Date:	03/17/2021
Reported:	03/24/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 - 4 CTB	Sampling Condition:	Cool & Intact
Project Number:	( 10-30-20 )	Sample Received By:	Jodi Henson
Project Location:	OXY -EDDY COUNTY, NM		

**Sample ID: SP 14 @ 2' (H210698-36)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	03/23/2021	ND	400	100	400	7.69	

**Sample ID: SP 14 @ 3' (H210698-37)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	03/23/2021	ND	400	100	400	7.69	

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

P.1 of 4

## CARDINAL LABORATORIES

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

BILL TO				ANALYSIS REQUEST												
Company Name: BBC International, Inc.				P.O. #:												
Project Manager: Cliff Brunson				Company: OXY												
Address: P.O. Box 805				Attn: WADE												
City: Hobbs				State: NM Zip: 88241												
Phone #: 575-397-6388				Fax #: 575-397-0397												
Project #:				Project Owner: Oxy												
Project Name: CEDAR CANYON 28-4 CTB (10-30-20)				City:												
Project Location: EDDY COUNTY, NM				State: Zip:												
Sampler Name: Simon Rendon				Phone #:												
Fax #:																
Lab I.D.	Sample I.D.	(G) RAB OR (C) OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	CL	BTEX	TPH EXT
1	SP3 @ 3'	G	1									3/16/21	12:25 pm	✓		
2	SP3 @ 4'											3/16/21	12:47 pm	✓		
3	SP4 @ 3'											3/16/21	1:12 pm	✓		
4	SP4 @ 4'											3/16/21	1:28 pm	✓		
5	SP6 @ 2'											3/16/21	11:05 am	✓		
6	SP6 @ 3'											3/16/21	11:17 am	✓		
7	SP6 @ 4'											3/16/21	11:35 am	✓		
8	SP7 @ 2'											3/16/21	1:40 pm	✓		
9	SP7 @ 3'											3/16/21	1:53 pm	✓		
10	SP8 @ Surface											3/16/21	2:05 pm	✓	✓	

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Reinquisitioned By: <i>Simon Rendon</i>	Date: 3-18-21	Received By: <i>Grace Henson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Reinquisitioned By: <i>Grace Henson</i>	Time: 2:00 PM	Received By: <i>Grace Henson</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Date: 3-18-21	Time: 4:25 PM	REMARKS:	
Sampler - UPS - Bus - Other:	1.80 / # 113			

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 4

## BILL TO

## ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:	
Project Manager: Cliff Brunson		Company: OXY	
Address: P.O. Box 805		Attn: WADE	
City: Hobbs		Address:	
Phone #: 575-397-6388		City:	
Fax #: 575-397-0397		State:	
Project #: Project Owner: Oxy		Zip:	
Project Name: CEDAR CANYON 28-4 CTB (10-30-20)		Phone #:	
Project Location: EDDY COUNTY, NM		Fax #:	
Sampler Name: Simon Rendon		PRESERV	
FOR LAB USE ONLY		SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS
HA10698		GROUNDWATER	WASTEWATER
11	SP8 @ 1'	SOIL	OIL
12	SP8 @ 2'	SLUDGE	OTHER :
13	SP8 @ 3'	ACID/BASE:	ICE / COOL
14	SP9 @ Surface	OTHER :	
15	SP9 @ 1'		
16	SP9 @ 2'		
17	SP9 @ 3'		
18	SP10 @ Surface		
19	SP10 @ 1'		
20	SP10 @ 2'		
DATE	TIME	CL	BTEX
3/16/21	2:12 pm	✓	✓
3/16/21	2:21 pm	✓	✓
3/16/21	2:29 pm	✓	✓
3/16/21	2:38 pm	✓	✓
3/16/21	2:46 pm	✓	✓
3/16/21	2:52 pm	✓	✓
3/16/21	3:05 pm	✓	✓
3/17/21	9:25 am	✓	✓
3/17/21	9:38 am	✓	✓
3/17/21	9:52 am	✓	✓

Relinquished By: *[Signature]* Date: 3-18-21 Time: 8:00 AM Received By: *[Signature]* Date: 3-18-21 Time: 4:25 PM

Delivered By: (Circle One) *[Signature]* 1.80 / # 1175  
Sampler - UPS - Bus - Other: ☐ Yes ☐ No ☐ Yes ☐ No

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 4

<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <b>City:</b> Hobbs <b>Phone #:</b> 575-397-6388 <b>Project #:</b> <b>Project Name:</b> CEDAR CANYON 28-4 CTB (10-30-20) <b>Project Location:</b> EDDY COUNTY, NM <b>Sampler Name:</b> Simon Rendon		<b>P.O. #:</b> <b>Company:</b> OXY <b>Attn:</b> WADE <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>	
<b>FOR LAB USE ONLY</b>		<b>BILL TO</b>	
<b>Lab I.D.</b> H210698	<b>Sample I.D.</b> SP10 @ 3' SP11 @ Surface SP11 @ 1' SP11 @ 2' SP11 @ 3' SP12 @ Surface SP12 @ 1' SP12 @ 2' SP12 @ 3' SP13 @ Surface	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV SAMPLING
DATE 3/17/21 TIME 10:07 am	CL BTEX TPH EXT	ANALYSIS REQUEST	
Retinquished By: [Signature] Date: 3-18-21 Time: 8:00 AM	Received By: [Signature] Date: 3-18-21 Time: 4:35 PM	CHECKED BY: [Signature] Initials:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1182 / #113	Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS:	

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 4

Company Name: BBC International, Inc.		P.O. #:		BILL TO										ANALYSIS REQUEST											
Project Manager: Cliff Brunson		Company: OXY																							
Address: P.O. Box 805		Attn: WADE																							
City: Hobbs		Address:																							
Phone #: 575-397-6388		City:																							
Fax #: 575-397-0397		State: Zip:																							
Project #: CEDAR CANYON 28-4 CTB (10-30-20)		Project Owner: Oxy																							
Project Location: EDDY COUNTY, NM		Phone #:																							
Fax #:		PRESERV																							
Sampler Name: Simon Rendon		SAMPLING																							
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	CL	BTEX	TPH EXT										
H210698	SP13 @ 1'	G	-	-	-	-	-	-	-	-	3/17/21	12:56 pm	✓	✓	✓										
31	SP13 @ 2'	-	-	-	-	-	-	-	-	-	3/17/21	1:08 pm	✓												
32	SP13 @ 3'	-	-	-	-	-	-	-	-	-	3/17/21	1:19 pm	✓												
33	SP14 @ Surface	-	-	-	-	-	-	-	-	-	3/17/21	1:34 pm	✓	✓	✓										
34	SP14 @ 1'	-	-	-	-	-	-	-	-	-	3/17/21	1:45 pm	✓												
35	SP14 @ 2'	-	-	-	-	-	-	-	-	-	3/17/21	1:57 pm	✓												
36	SP14 @ 3'	-	-	-	-	-	-	-	-	-	3/17/21	2:10 pm	✓												
37																									

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Relinquished By: *Simon Rendon* Date: 3-18-21 Received By: *Simon Rendon* Date: 3-18-21  
 Reimbursement By: *Simon Rendon* Date: 3-18-21 Received By: *Simon Rendon* Date: 3-18-21  
 Delivered By: (Circle One) *11801 #113* Sample Condition ☒ Cool ☐ Intact ☐ Yes ☐ No ☐ Yes ☐ No  
 Sampler - UPS - Bus - Other: *UPS* CHECKED BY: *Simon Rendon*

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REMARKS:



Form C-141

Page 5

State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2109549390
District RP	
Facility ID	
Application ID	

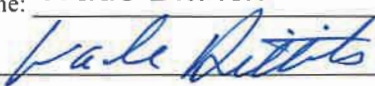
**Remediation Plan****Remediation Plan Checklist:** Each of the following items must be included in the plan.

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator  
Signature:  Date: 6-16-21  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**Received by: Robert Hamlet Date: 10/12/2021☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Robert Hamlet Date: 10/12/2021

**District I**

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

**District II**

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

**District III**

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

**District IV**

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

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

CONDITIONS

Action 38270

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 38270
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is approved with the following conditions: In pasture area, floor/sidewall samples within top 4 feet need to meet closure criteria standards of <50" depth to groundwater from Table 1 of the spill rule. Also in the pasture area, 4 feet below ground surface; soil contamination limits revert back to Table 1 in the spill rule and need to meet closure criteria standards for proven depth to water determination. Please collect confirmation samples, representing no more than 200 ft2.	10/12/2021