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E-MAIL: cbrunson@bbcinternational.com

## DELINEATION/REMEDIALATION WORKPLAN

### OXY – CEDAR CANYON 16 ST 0002H (Leak Date: 11/18/21)

#### Incident Reference #: NAPP2132758836

This delineation workplan and remediation proposal addresses the releases associated with Incident Reference #: NAPP2132758836.

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 and SP3 (WHITE shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP2 and SP4 – SP7 (BLUE shade on diagram) will be excavated to a depth of 1 foot.***

***OXY will collect sidewall and bottom confirmation samples every 200 square feet. The estimated amount of soil to be excavated is 822 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 regulatory agency or private surface owner.

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

Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2132758836
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?	62 (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 1/2-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.

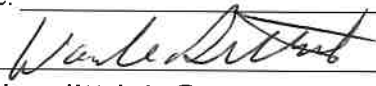
Form C-141

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	nAPP2132758836
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 Coordinator  
Signature:  Date: 2-4-22  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

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

Form C-141

Page 5

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2132758836
District RP	
Facility ID	
Application ID	

## Remediation Plan

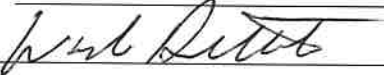
**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ 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: 2-4-22  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**



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

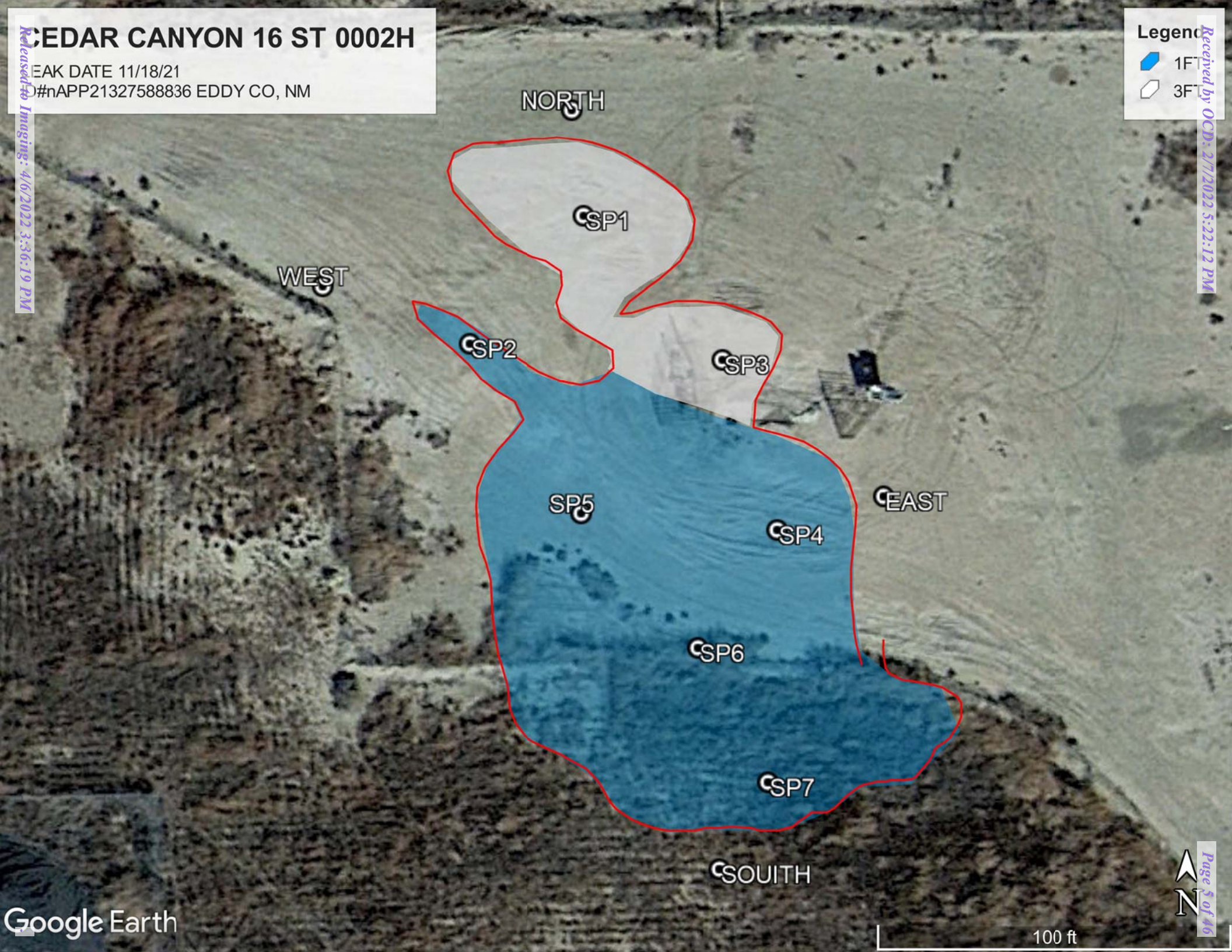
☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

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



**Legend**

-  1FT
-  3FT



Released to Imaging: 4/6/2022 3:36:19 PM

Received by OCD: 2/7/2022 5:22:12 PM

## USGS Groundwater for New Mexico: Water Levels -- 1 sites

Page 1 of 2



USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

USGS Water Resources

Data Category:	Geographic Area:	GO
Groundwater	New Mexico	

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Important: [Next Generation Monitoring Location Page](#)

## Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 320215104004201

Minimum number of levels = 1

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

## USGS 320215104004201 24S.29E.20.134

Eddy County, New Mexico

Latitude 32°12'13", Longitude 104°00'42" NAD27

Land-surface elevation 2,960 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Culebra Dolomite Member of Rustler Formation (312CLBR) local aquifer.

## Output formats

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

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement
1975-07-14			D	62610	2898.20	NGVD29	1	O	USGS	
1975-07-14			D	62611	2899.74	NAVD88	1	O	USGS	
1975-07-14			D	72019	61.80		1	O	USGS	

## Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	O	Observed.
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.



## USGS Groundwater for New Mexico: Water Levels -- 1 sites

Page 2 of 2

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

---

[Questions about sites/data?](#)  
[Feedback on this web site](#)  
[Automated retrievals](#)  
[Help](#)  
[Data Tips](#)  
[Explanation of terms](#)  
[Subscribe for system changes](#)  
[News](#)

[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: 2021-11-23 18:59:36 EST

0.28 0.24 nadww01

## OCD Well Locations



11/23/2021 4:58:18 PM

Wells - Large Scale

✱ CO2, Cancelled

? undefined

✱ CO2, New

✱ Miscellaneous

✱ CO2, Plugged

✱ CO2, Active

✱ CO2, Temporarily Abandoned

✱ Gas, Active

✱ Gas, Cancelled

✱ Gas, New

✱ Gas, Plugged

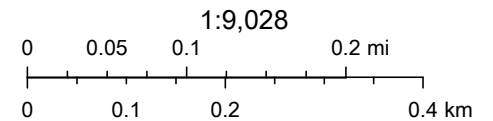
✱ Gas, Temporarily Abandoned

✱ Injection, Active

✱ Injection, Cancelled

✱ Injection, New

✱ Injection, Plugged



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





Released to Imaging: 4/6/2022 3:36:19 PM




# CEDAR CANYON 16 ST 0002H

LEAK DATE: 11/18/21  
nAPP2132758836

## Legend

-  32.210942, -103.981806
-  High
-  Low
-  Medium

Pecos River

 32.210942, -103.981806



# National Flood Hazard Layer FIRMette



103°59'13"W 32°12'55"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 103°58'36"W 32°12'24"N

Released to Imaging: 4/6/2022 3:36:19 PM

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## 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 Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/23/2021 at 7:00 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.

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	12/16/21	12/16/21	12/16/21	12/16/21
			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		64.0	112	80.0	144
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'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	12/16/21	12/16/21	12/16/21	12/16/21	12/16/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.138	<0.050	N/A	N/A	N/A
Toluene	BTEX 8021B		3.05	<0.050	N/A	N/A	N/A
Ethylbenzene	BTEX 8021B		1.63	<0.050	N/A	N/A	N/A
Total Xylenes	BTEX 8021B		12.1	<0.150	N/A	N/A	N/A
Total BTEX	BTEX 8021B		16.9	<0.300	N/A	N/A	N/A
Chloride	SM4500Cl-B		17400	2840	2120	352	80.0
GRO	TPH 8015M		318	<10.0	N/A	N/A	N/A
DRO	TPH 8015M		41600	<10.0	N/A	N/A	N/A
EXT DRO	TPH 8015M		9430	<10.0	N/A	N/A	N/A

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	12/16/21	12/16/21	12/16/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.088	<0.050	N/A
Toluene	BTEX 8021B		2.07	<0.050	N/A
Ethylbenzene	BTEX 8021B		1.27	<0.050	N/A
Total Xylenes	BTEX 8021B		9.99	<0.150	N/A
Total BTEX	BTEX 8021B		13.4	<0.300	N/A
Chloride	SM4500Cl-B		13400	448	272
GRO	TPH 8015M		326	<10.0	N/A
DRO	TPH 8015M		24100	<10.0	N/A
EXT DRO	TPH 8015M		7510	<10.0	N/A

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	12/16/21	12/16/21	12/16/21	12/16/21	12/16/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.302	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		3.19	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		2.34	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		17.1	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		22.9	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		13400	2200	848	384	112
GRO	TPH 8015M		485	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		25900	<10.0	<10.0	N/A	N/A
EXT DRO	TPH 8015M		7470	<10.0	<10.0	N/A	N/A

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	12/16/21	12/16/21	12/16/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A
Toluene	BTEX 8021B		0.058	<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		0.314	<0.150	N/A
Total BTEX	BTEX 8021B		0.372	<0.300	N/A
Chloride	SM4500Cl-B		17400	464	128
GRO	TPH 8015M		<50.0	<10.0	N/A
DRO	TPH 8015M		11200	41.0	N/A
EXT DRO	TPH 8015M		3510	<10.0	N/A

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'
Analyte	Method	Date	12/16/21	12/16/21	12/16/21	12/16/21	12/16/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.257	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		2.23	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		1.30	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		9.49	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		13.3	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		9800	512	448	368	128
GRO	TPH 8015M		297	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		23900	35.5	<10.0	N/A	N/A
EXT DRO	TPH 8015M		7800	<10.0	<10.0	N/A	N/A

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	12/17/21	12/17/21	12/17/21
			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		7060	32.0	64.0
GRO	TPH 8015M		<10.0	<10.0	N/A
DRO	TPH 8015M		5600	<10.0	N/A
EXT DRO	TPH 8015M		1670	<10.0	N/A

		Sample ID	SP7 @ Surface	SP7 @ 1'	SP7 @ 2'
Analyte	Method	Date	12/17/21	12/17/21	12/17/21
			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		832	96.0	160
GRO	TPH 8015M		<10.0	<10.0	N/A
DRO	TPH 8015M		660	<10.0	N/A
EXT DRO	TPH 8015M		195	<10.0	N/A



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

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December 22, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON 16 ST 002H

Enclosed are the results of analyses for samples received by the laboratory on 12/20/21 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: NORTH (H213673-01)**

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	12/21/2021	ND	1.98	98.8	2.00	5.82	
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65	
Total BTEX	<0.300	0.300	12/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 69.9-140

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	12/22/2021	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	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 88.5 % 62-130

Surrogate: 1-Chlorooctadecane 82.9 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: EAST (H213673-02)**

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	12/21/2021	ND	1.98	98.8	2.00	5.82		
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65		
Total BTEX	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/22/2021	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	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 91.9 % 62-130

Surrogate: 1-Chlorooctadecane 88.9 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: WEST (H213673-03)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.99	99.4	2.00	4.98		
Toluene*	<0.050	0.050	12/21/2021	ND	1.92	96.2	2.00	5.02		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.75	95.9	6.00	4.04		
Total BTEx	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

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	12/22/2021	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	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 103 % 62-130

Surrogate: 1-Chlorooctadecane 97.8 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SOUTH (H213673-04)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.99	99.4	2.00	4.98		
Toluene*	<0.050	0.050	12/21/2021	ND	1.92	96.2	2.00	5.02		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.75	95.9	6.00	4.04		
Total BTEx	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/22/2021	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	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 96.3 % 62-130

Surrogate: 1-Chlorooctadecane 92.2 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 1 @ SURFACE (H213673-05)**

BTX 8021B		mg/kg		Analyzed By: MS/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.138</b>	0.050	12/22/2021	ND	1.99	99.4	2.00	4.98	
<b>Toluene*</b>	<b>3.05</b>	0.050	12/22/2021	ND	1.92	96.2	2.00	5.02	
<b>Ethylbenzene*</b>	<b>1.63</b>	0.050	12/22/2021	ND	1.88	94.0	2.00	5.04	
<b>Total Xylenes*</b>	<b>12.1</b>	0.150	12/22/2021	ND	5.75	95.9	6.00	4.04	
<b>Total BTX</b>	<b>16.9</b>	0.300	12/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 161 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>17400</b>	16.0	12/22/2021	ND	416	104	400	3.92	QM-07

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>318</b>	50.0	12/21/2021	ND	202	101	200	0.757	
<b>DRO &gt;C10-C28*</b>	<b>41600</b>	50.0	12/21/2021	ND	216	108	200	5.02	
<b>EXT DRO &gt;C28-C36</b>	<b>9430</b>	50.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 176 % 62-130

Surrogate: 1-Chlorooctadecane 1640 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 1 @ 1' (H213673-06)**

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	12/21/2021	ND	1.99	99.4	2.00	4.98		
Toluene*	<0.050	0.050	12/21/2021	ND	1.92	96.2	2.00	5.02		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.75	95.9	6.00	4.04		
Total BTEx	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	12/22/2021	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	12/21/2021	ND	214	107	200	15.5	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	218	109	200	6.92	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 88.8 % 62-130

Surrogate: 1-Chlorooctadecane 77.4 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 1 @ 2' (H213673-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	12/22/2021	ND	416	104	400	3.92		

**Sample ID: SP 1 @ 3' (H213673-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/22/2021	ND	416	104	400	3.92		

**Sample ID: SP 1 @ 4' (H213673-09)**

Chloride, SM4500Cl-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	12/22/2021	ND	416	104	400	3.92		

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 2 @ SURFACE (H213673-10)**

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.088	0.050	12/22/2021	ND	1.99	99.4	2.00	4.98	
Toluene*	2.07	0.050	12/22/2021	ND	1.92	96.2	2.00	5.02	
Ethylbenzene*	1.27	0.050	12/22/2021	ND	1.88	94.0	2.00	5.04	
Total Xylenes*	9.99	0.150	12/22/2021	ND	5.75	95.9	6.00	4.04	
Total BTX	13.4	0.300	12/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>13400</b>	16.0	12/22/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	326	50.0	12/21/2021	ND	214	107	200	15.5	
DRO >C10-C28*	24100	50.0	12/21/2021	ND	218	109	200	6.92	
EXT DRO >C28-C36	7510	50.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 159 % 62-130

Surrogate: 1-Chlorooctadecane 1210 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 2 @ 1' (H213673-11)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.99	99.4	2.00	4.98		
Toluene*	<0.050	0.050	12/21/2021	ND	1.92	96.2	2.00	5.02		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.75	95.9	6.00	4.04		
Total BTEx	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	12/22/2021	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	12/21/2021	ND	214	107	200	15.5	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	218	109	200	6.92	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 90.4 % 62-130

Surrogate: 1-Chlorooctadecane 75.2 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 2 @ 2' (H213673-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	12/22/2021	ND	416	104	400	3.92		

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 3 @ SURFACE (H213673-13)**

BTEx 8021B		mg/kg		Analyzed By: MS/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.302</b>	0.050	12/22/2021	ND	1.99	99.4	2.00	4.98	
<b>Toluene*</b>	<b>3.19</b>	0.050	12/22/2021	ND	1.92	96.2	2.00	5.02	
<b>Ethylbenzene*</b>	<b>2.34</b>	0.050	12/22/2021	ND	1.88	94.0	2.00	5.04	
<b>Total Xylenes*</b>	<b>17.1</b>	0.150	12/22/2021	ND	5.75	95.9	6.00	4.04	
<b>Total BTEX</b>	<b>22.9</b>	0.300	12/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 204 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>13400</b>	16.0	12/22/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>485</b>	50.0	12/21/2021	ND	214	107	200	15.5	
<b>DRO &gt;C10-C28*</b>	<b>25900</b>	50.0	12/21/2021	ND	218	109	200	6.92	
<b>EXT DRO &gt;C28-C36</b>	<b>7470</b>	50.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 150 % 62-130

Surrogate: 1-Chlorooctadecane 1210 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 3 @ 1' (H213673-14)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.99	99.4	2.00	4.98	
Toluene*	<0.050	0.050	12/21/2021	ND	1.92	96.2	2.00	5.02	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	5.04	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.75	95.9	6.00	4.04	
Total BTEX	<0.300	0.300	12/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	12/22/2021	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	12/21/2021	ND	214	107	200	15.5	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	218	109	200	6.92	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 78.5 % 62-130

Surrogate: 1-Chlorooctadecane 63.9 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 3 @ 2' (H213673-15)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.99	99.4	2.00	4.98		
Toluene*	<0.050	0.050	12/21/2021	ND	1.92	96.2	2.00	5.02		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.75	95.9	6.00	4.04		
Total BTEx	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	12/22/2021	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	12/21/2021	ND	214	107	200	15.5	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	218	109	200	6.92	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 82.7 % 62-130

Surrogate: 1-Chlorooctadecane 69.0 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 3 @ 3' (H213673-16)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/22/2021	ND	416	104	400	3.92		

**Sample ID: SP 3 @ 4' (H213673-17)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/22/2021	ND	416	104	400	3.92	

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 4 @ SURFACE (H213673-18)**

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	12/22/2021	ND	1.99	99.4	2.00	4.98		
Toluene*	0.058	0.050	12/22/2021	ND	1.92	96.2	2.00	5.02		
Ethylbenzene*	<0.050	0.050	12/22/2021	ND	1.88	94.0	2.00	5.04		
Total Xylenes*	0.314	0.150	12/22/2021	ND	5.75	95.9	6.00	4.04		
Total BTEX	0.372	0.300	12/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

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	12/22/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/21/2021	ND	214	107	200	15.5	
DRO >C10-C28*	11200	50.0	12/21/2021	ND	218	109	200	6.92	
EXT DRO >C28-C36	3510	50.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 121 % 62-130

Surrogate: 1-Chlorooctadecane 580 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 4 @ 1' (H213673-19)**

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	12/22/2021	ND	1.99	99.4	2.00	4.98		
Toluene*	<0.050	0.050	12/22/2021	ND	1.92	96.2	2.00	5.02		
Ethylbenzene*	<0.050	0.050	12/22/2021	ND	1.88	94.0	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/22/2021	ND	5.75	95.9	6.00	4.04		
Total BTEX	<0.300	0.300	12/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	12/22/2021	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	12/21/2021	ND	214	107	200	15.5	
DRO >C10-C28*	41.0	10.0	12/21/2021	ND	218	109	200	6.92	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 89.1 % 62-130

Surrogate: 1-Chlorooctadecane 79.3 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 4 @ 2' (H213673-20)**

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	12/22/2021	ND	416	104	400	3.92	

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 Fax To: (575) 397-0397

Received:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 5 @ SURFACE (H213673-21)**

BTEx 8021B		mg/kg		Analyzed By: MS/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.257</b>	0.050	12/22/2021	ND	1.99	99.4	2.00	4.98	
<b>Toluene*</b>	<b>2.23</b>	0.050	12/22/2021	ND	1.92	96.2	2.00	5.02	
<b>Ethylbenzene*</b>	<b>1.30</b>	0.050	12/22/2021	ND	1.88	94.0	2.00	5.04	
<b>Total Xylenes*</b>	<b>9.49</b>	0.150	12/22/2021	ND	5.75	95.9	6.00	4.04	
<b>Total BTEx</b>	<b>13.3</b>	0.300	12/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 170 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>9800</b>	16.0	12/22/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>297</b>	50.0	12/21/2021	ND	214	107	200	15.5	
<b>DRO &gt;C10-C28*</b>	<b>23900</b>	50.0	12/21/2021	ND	218	109	200	6.92	
<b>EXT DRO &gt;C28-C36</b>	<b>7800</b>	50.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 180 % 62-130

Surrogate: 1-Chlorooctadecane 1140 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 5 @ 1' (H213673-22)**

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	12/22/2021	ND	1.99	99.4	2.00	4.98	
Toluene*	<0.050	0.050	12/22/2021	ND	1.92	96.2	2.00	5.02	
Ethylbenzene*	<0.050	0.050	12/22/2021	ND	1.88	94.0	2.00	5.04	
Total Xylenes*	<0.150	0.150	12/22/2021	ND	5.75	95.9	6.00	4.04	
Total BTEx	<0.300	0.300	12/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

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	12/22/2021	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	12/21/2021	ND	214	107	200	15.5	
DRO >C10-C28*	35.5	10.0	12/21/2021	ND	218	109	200	6.92	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 91.1 % 62-130

Surrogate: 1-Chlorooctadecane 83.2 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 5 @ 2' (H213673-23)**

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	12/22/2021	ND	1.99	99.4	2.00	4.98		
Toluene*	<0.050	0.050	12/22/2021	ND	1.92	96.2	2.00	5.02		
Ethylbenzene*	<0.050	0.050	12/22/2021	ND	1.88	94.0	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/22/2021	ND	5.75	95.9	6.00	4.04		
Total BTX	<0.300	0.300	12/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	12/22/2021	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	12/21/2021	ND	214	107	200	15.5		
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	218	109	200	6.92		
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND						

Surrogate: 1-Chlorooctane 86.8 % 62-130

Surrogate: 1-Chlorooctadecane 76.7 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/16/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 5 @ 3' (H213673-24)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	12/22/2021	ND	416	104	400	3.92		

**Sample ID: SP 5 @ 4' (H213673-25)**

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	12/22/2021	ND	416	104	400	0.00	

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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:	12/20/2021	Sampling Date:	12/17/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 6 @ SURFACE (H213673-26)**

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	12/22/2021	ND	1.99	99.4	2.00	4.98		
Toluene*	<0.050	0.050	12/22/2021	ND	1.92	96.2	2.00	5.02		
Ethylbenzene*	<0.050	0.050	12/22/2021	ND	1.88	94.0	2.00	5.04		
Total Xylenes*	<0.150	0.150	12/22/2021	ND	5.75	95.9	6.00	4.04		
Total BTEX	<0.300	0.300	12/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7060	16.0	12/22/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	214	107	200	15.5	
DRO >C10-C28*	5600	10.0	12/21/2021	ND	218	109	200	6.92	
EXT DRO >C28-C36	1670	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 75.9 % 62-130

Surrogate: 1-Chlorooctadecane 172 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/17/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 6 @ 1' (H213673-27)**

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	12/22/2021	ND	2.05	103	2.00	1.72		
Toluene*	<0.050	0.050	12/22/2021	ND	1.99	99.4	2.00	1.88		
Ethylbenzene*	<0.050	0.050	12/22/2021	ND	1.94	96.8	2.00	2.12		
Total Xylenes*	<0.150	0.150	12/22/2021	ND	5.92	98.6	6.00	1.61		
Total BTEX	<0.300	0.300	12/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

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	12/22/2021	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	12/21/2021	ND	214	107	200	15.5	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	218	109	200	6.92	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 87.5 % 62-130

Surrogate: 1-Chlorooctadecane 77.5 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/17/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 6 @ 2' (H213673-28)**

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	12/22/2021	ND	416	104	400	0.00		

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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:	12/20/2021	Sampling Date:	12/17/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 7 @ SURFACE (H213673-29)**

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	12/22/2021	ND	2.05	103	2.00	1.72		
Toluene*	<0.050	0.050	12/22/2021	ND	1.99	99.4	2.00	1.88		
Ethylbenzene*	<0.050	0.050	12/22/2021	ND	1.94	96.8	2.00	2.12		
Total Xylenes*	<0.150	0.150	12/22/2021	ND	5.92	98.6	6.00	1.61		
Total BTEX	<0.300	0.300	12/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	12/22/2021	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	12/21/2021	ND	214	107	200	15.5	
DRO >C10-C28*	660	10.0	12/21/2021	ND	218	109	200	6.92	
EXT DRO >C28-C36	195	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 66.3 % 62-130

Surrogate: 1-Chlorooctadecane 93.7 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/17/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 7 @ 1' (H213673-30)**

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	12/22/2021	ND	2.05	103	2.00	1.72		
Toluene*	<0.050	0.050	12/22/2021	ND	1.99	99.4	2.00	1.88		
Ethylbenzene*	<0.050	0.050	12/22/2021	ND	1.94	96.8	2.00	2.12		
Total Xylenes*	<0.150	0.150	12/22/2021	ND	5.92	98.6	6.00	1.61		
Total BTX	<0.300	0.300	12/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/22/2021	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	12/21/2021	ND	214	107	200	15.5		
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	218	109	200	6.92		
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND						

Surrogate: 1-Chlorooctane 80.3 % 62-130

Surrogate: 1-Chlorooctadecane 73.4 % 54.5-135

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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:	12/20/2021	Sampling Date:	12/17/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 002H	Sampling Condition:	Cool & Intact
Project Number:	( 11/18/21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

**Sample ID: SP 7 @ 2' (H213673-31)**

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	12/22/2021	ND	416	104	400	0.00		

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### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<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 16 ST 002H (1/18/21) <b>Project Location:</b> NEW MEXICO <b>Sampler Name:</b> SIMON				<b>State:</b> NM <b>Zip:</b> 88241 <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>			
<b>FOR LAB USE ONLY</b>				<b>Matrix</b>				<b>Preserv</b>				<b>Sampling</b>			
<b>Lab I.D.</b>				<b>Sample I.D.</b>				<b>DATE</b>				<b>TIME</b>			
NORTH EAST WEST SOUTH SP 1 @ SURFACE SP 1 @ 1' SP 1 @ 2' SP 1 @ 3' SP 1 @ 4' ← SP 1 @ 4' SP 2 @ SURFACE				(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :				12/16/21 9:40AM 12/16/21 9:53AM 12/16/21 10:06AM 12/16/21 10:14AM 12/16/21 10:32AM 12/16/21 10:43AM 12/16/21 10:55AM 12/16/21 11:07AM 12/16/21 11:15AM 12/16/21 11:26AM				CL BTEX TPH EXT			
<b>Relinquished By:</b> <i>[Signature]</i> <b>Date:</b> 12-20-21 <b>Time:</b> 8:00 AM <b>Received By:</b> <i>[Signature]</i> <b>Date:</b> 12-20-21 <b>Time:</b> 10:40 <b>Delivered By:</b> (Circle One) UPS - UPS - Bus - Other:				<b>Relinquished By:</b> <i>[Signature]</i> <b>Date:</b> 12-20-21 <b>Time:</b> 8:00 AM <b>Received By:</b> <i>[Signature]</i> <b>Date:</b> 12-20-21 <b>Time:</b> 10:40 <b>Delivered By:</b> (Circle One) UPS - UPS - Bus - Other:				<b>Sample Condition</b> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Checked By: <i>[Signature]</i> (Initials)				<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #: <b>REMARKS:</b>			

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



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

† 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**

<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> <i>Oxy</i>											
<b>City:</b> Hobbs		<b>Attn:</b>											
<b>State:</b> NM <b>Zip:</b> 88241		<b>Address:</b>											
<b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397		<b>City:</b>											
<b>Project #:</b>		<b>State:</b>											
<b>Project Name:</b> CEDAR CANYON 16 ST 002H (1/1/18/21)		<b>Zip:</b>											
<b>Project Location:</b> NEW MEXICO		<b>Phone #:</b>											
<b>Sample Name:</b> SIMON		<b>Fax #:</b>											
<small>FOR LAB USE ONLY</small>													
<b>Lab I.D.:</b> <i>36</i> <i>12/20/21</i> <i>12/20/21</i>		<b>Sample I.D.:</b>											
<b>SP 5 @ SURFACE</b>		<input checked="" type="checkbox"/> (G)RAB OR (C)OMP.		<b># CONTAINERS</b>		<b>MATRIX</b>		<b>PRESERV</b>		<b>SAMPLING</b>			
						GROUNDWATER							
						WASTEWATER							
						SOIL							
						OIL							
						SLUDGE							
						OTHER :							
						ACID/BASE:							
						ICE / COOL							
						OTHER :							
<b>DATE</b>		<b>TIME</b>											
<i>12/16/21</i>		<i>2:23PM</i>											
<i>12/16/21</i>		<i>3:34PM</i>											
<i>12/16/21</i>		<i>2:51PM</i>											
<i>12/16/21</i>		<i>3:03PM</i>											
<i>12/16/21</i>		<i>3:12PM</i>											
<i>12/17/21</i>		<i>10:12AM</i>											
<i>12/17/21</i>		<i>10:24AM</i>											
<i>12/17/21</i>		<i>10:39AM</i>											
<i>12/17/21</i>		<i>11:02AM</i>											
<i>12/17/21</i>		<i>11:14AM</i>											

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

<b>Relinquished By:</b>	<b>Date:</b> <i>12-20-21</i>	<b>Received By:</b>	<b>Date:</b> <i>12-20-21</i>	<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Add'l Phone #:</b>
<i>Cliff Brunson</i>	<i>12/20/21</i>	<i>Cliff Brunson</i>	<i>12/20/21</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Relinquished By:</b>	<b>Date:</b> <i>12-20-21</i>	<b>Received By:</b>	<b>Date:</b> <i>12-20-21</i>	<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Add'l Fax #:</b>
<i>Cliff Brunson</i>	<i>12/20/21</i>	<i>Cliff Brunson</i>	<i>12/20/21</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Delivered By: (Circle One)</b>	<b>Time:</b> <i>1:05</i>	<b>Sample Condition:</b>	<b>CHECKED BY:</b>		
<i>UPS</i>	<i>1:05 C-0.5e</i>	<input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact	<i>Cliff Brunson</i>		
<b>Sampler - UPS - Bus - Other:</b>	<b>1.05 C-0.5e</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>(Initials)</b>		
<i>UPS</i>	<i>1.05e #113</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Cliff Brunson</i>		

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BBC International, Inc.		P.O. #:		BILL TO																	
Project Manager: Cliff Brunson		Company: <i>OKY</i>		ANALYSIS REQUEST																	
Address: P.O. Box 805		Attn:																			
City: Hobbs		Address:																			
State: NM Zip: 88241																					
Phone #: 575-397-6388		City:																			
Fax #: 575-397-0397		State:																			
Project #:		Zip:																			
Project Name: CEDAR CANYON 16 ST 002H (11/18/21)																					
Project Location: NEW MEXICO																					
Sampler Name: SIMON		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>423673</i>	SP 7 @ 2'	<i>GA</i>											12/17/21	11:29AM	<i>✓</i>						
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: <i>[Signature]</i>		Date: <i>12-20-21</i>	Received By: <i>[Signature]</i>																		
Time: <i>8:00am</i>																					
Relinquished By: <i>[Signature]</i>		Date: <i>12-20-21</i>	Received By: <i>[Signature]</i>																		
Time: <i>1:40</i>																					
Delivered By: (Circle One) <i>UPS</i>		Sample Condition																			
Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																			
Sampler - UPS - Bus - Other: <i>0.5c #113</i>		CHECKED BY: <i>[Signature]</i>																			
		(Initials) <i>DO</i>																			
REMARKS:																					

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Form C-141

Page 5

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2132758836
District RP	
Facility ID	
Application ID	

## Remediation Plan

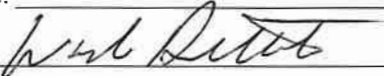
**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ 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: 2-4-22  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**Received by: Robert Hamlet Date: 4/6/2022☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Robert Hamlet Date: 4/6/2022



**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 79323

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 79323
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. Samples must be analyzed for the constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Sidewall/Floor samples should represent no more than 200 ft2. The work will need to occur in 90 days after the work plan has been approved.	4/6/2022