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DELINEATION/REMEDATION WORKPLAN

OXY – CEDAR CANYON 16-1 (Leak Dates: 6/10/20 & 7/14/20)

Incident Reference #: NRM2018235623 & NRM2023461379

This delineation workplan and remediation proposal addresses the releases associated with Incident Reference #: NRM2018235623 & NRM2023461379.

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 - SP3, SP10, SP13, and SP16 (orange shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP4 (dark blue shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP8 and SP17 (purple shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP5 – SP7, SP9, SP11, SP12, SP14, and SP15 (white shade on diagram) will require zero remediation.

OXY will collect sidewall and confirmation samples every 400 square feet. The estimated amount of soil to be excavated is 544 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

Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NRM2018235623
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?	55 (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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

Form C-141

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NRM2018235623
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: 9-9-2020email: wade_dittrich@oxy.comTelephone: (575) 390-2828**OCD Only**

Received by: _____

Date: _____

Form C-141

State of New Mexico
Oil Conservation Division

Page 5

Incident ID	NRM2018235623
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.

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Signature:  Date: 9-9-2020
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: _____

Form C-141

Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NRM2023461379
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?	124 (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
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Signature:  Date: 9.9.2020
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

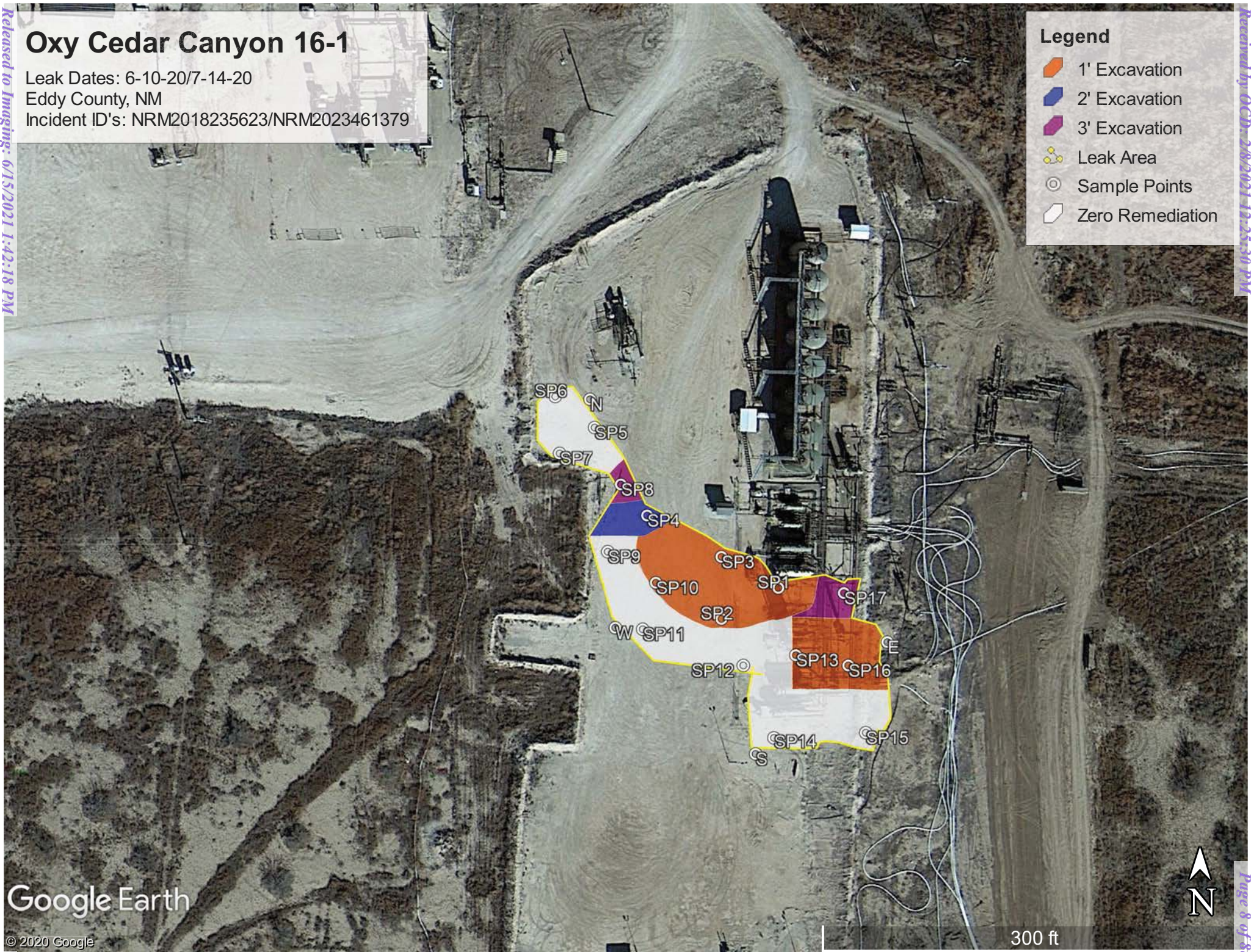
☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Oxy Cedar Canyon 16-1
Leak Dates: 6-10-20/7-14-20
Eddy County, NM
Incident ID's: NRM2018235623/NRM2023461379

Legend

- 1' Excavation
- 2' Excavation
- 3' Excavation
- Leak Area
- Sample Points
- Zero Remediation



Google Earth

Oxy, Cedar Canyon 16-1 (6-10-20 & 7-14-20)

Sample points

SP1, N 32.22337 W 103.99556

SP2, N 32.22331 W 103.99569

SP3, N 32.22343 W 103.99569

SP4, N 32.22351 W 103.99586

SP5, N 32.22368 W 103.99598

SP6, N 32.22374 W 103.99607

SP7, N 32.22363 W 103.99606

SP8, N 32.22357 W 103.99592

SP9, N 32.22344 W 103.99595

SP10, N 32.22338 W 103.99584

SP11, N 32.22329 W 103.99587

SP12, N 32.22322 W 103.99564

SP13, N 32.22324 W 103.99552

SP14, N 32.22308 W 103.99557

SP15, N 32.22309 W 103.99536

SP16, N 32.22322 W 103.99540

SP17, N 32.22336 W 103.99541

NORTH, N 32.22373 W 103.99599

EAST, N 32.22326 W 103.99531

WEST, N 32.22329 W 103.99593

SOUTH, N 32.22304 W 103.99561



USGS Home
Contact USGS
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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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- [Introducing The Next Generation of USGS Water Data for the Nation](#)
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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 =

- 321157104000601

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

USGS 321157104000601 24S.29E.20.432A

Eddy County, New Mexico
Latitude 32°11'54", Longitude 104°00'09" NAD27
Land-surface elevation 2,955 feet above NGVD29
This well is completed in the Rustler Formation (312RSLR) local aquifer.

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
1975-07-14			D	55.9		1		Z	USGS	

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	1	Water level accuracy to nearest tenth 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.
Water-level approval status	A	Approved for publication -- Processing and review completed.

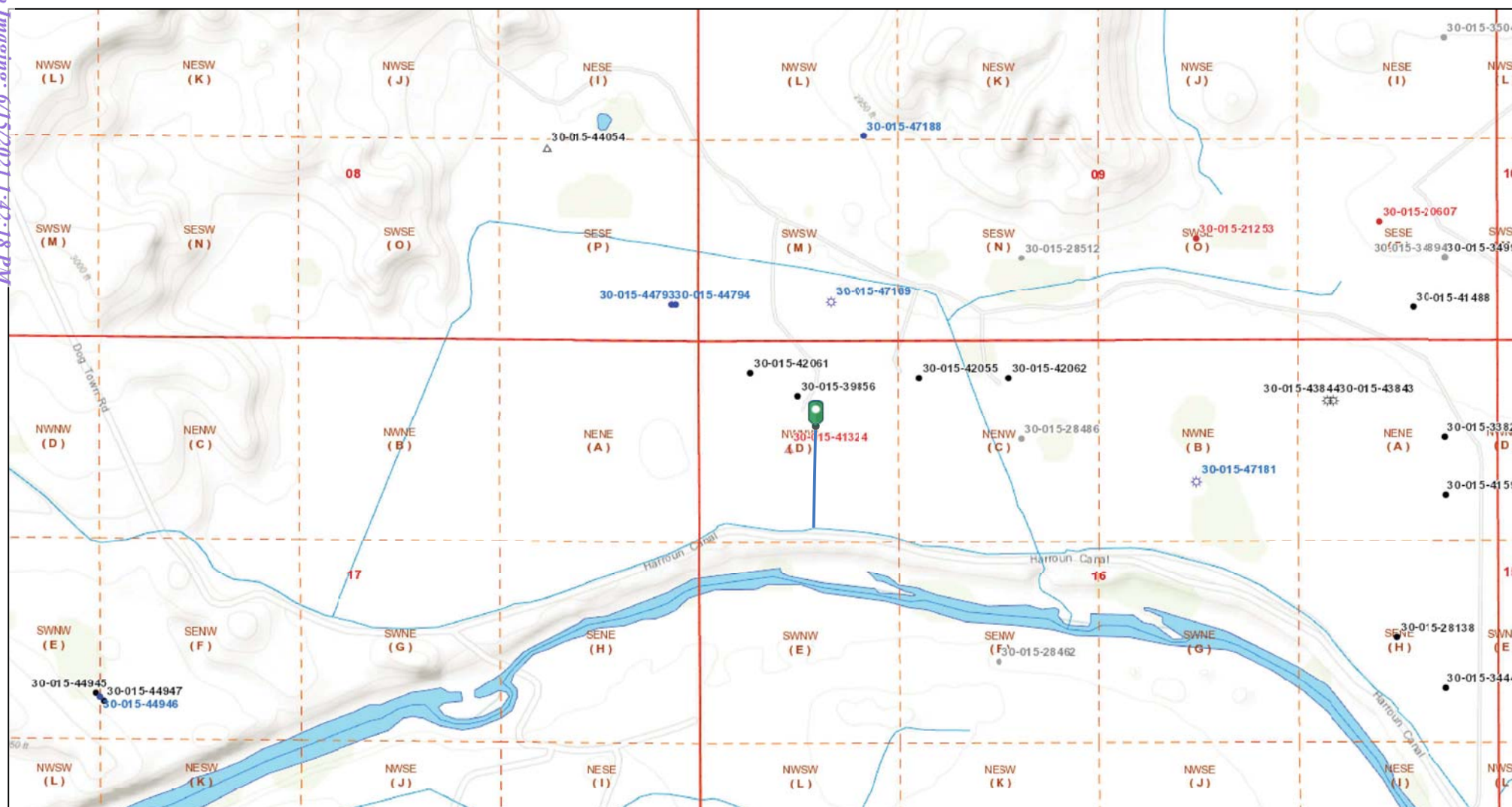
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Page Last Modified: 2020-06-17 17:31:48 EDT

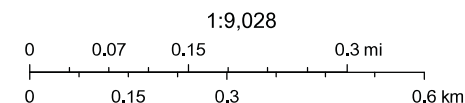
0.28 0.25 nadww01

Oxy Cedar Canyon 16-1 (6-10-20) 670 ft to h2o



6/18/2020 10:38:57 AM

- | | | | | |
|---------------------|----------------------------|----------------------------------|---------------------------------|---|
| Wells - Large Scale | CO2, Temporarily Abandoned | Injection, Active | Oil, Cancelled | Salt Water Injection, New |
| undefined | Gas, Active | Injection, Cancelled | Oil, New | Salt Water Injection, Plugged |
| Miscellaneous | Gas, Cancelled | Injection, New | Oil, Plugged | Salt Water Injection, Temporarily Abandoned |
| CO2, Active | Gas, New | Injection, Plugged | Oil, Temporarily Abandoned | Water, Active |
| CO2, Cancelled | Gas, Plugged | Injection, Temporarily Abandoned | Salt Water Injection, Active | Water, Cancelled |
| CO2, New | Gas, Temporarily Abandoned | Oil, Active | Salt Water Injection, Cancelled | Water, New |
| CO2, Plugged | | | | |





Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,

Oxy, Cedar Canyon 16-1
Leak Date: 6-10-20
County: Sandoz County, NM
API: 30-015-39856

BLM CAVE KARST MAP

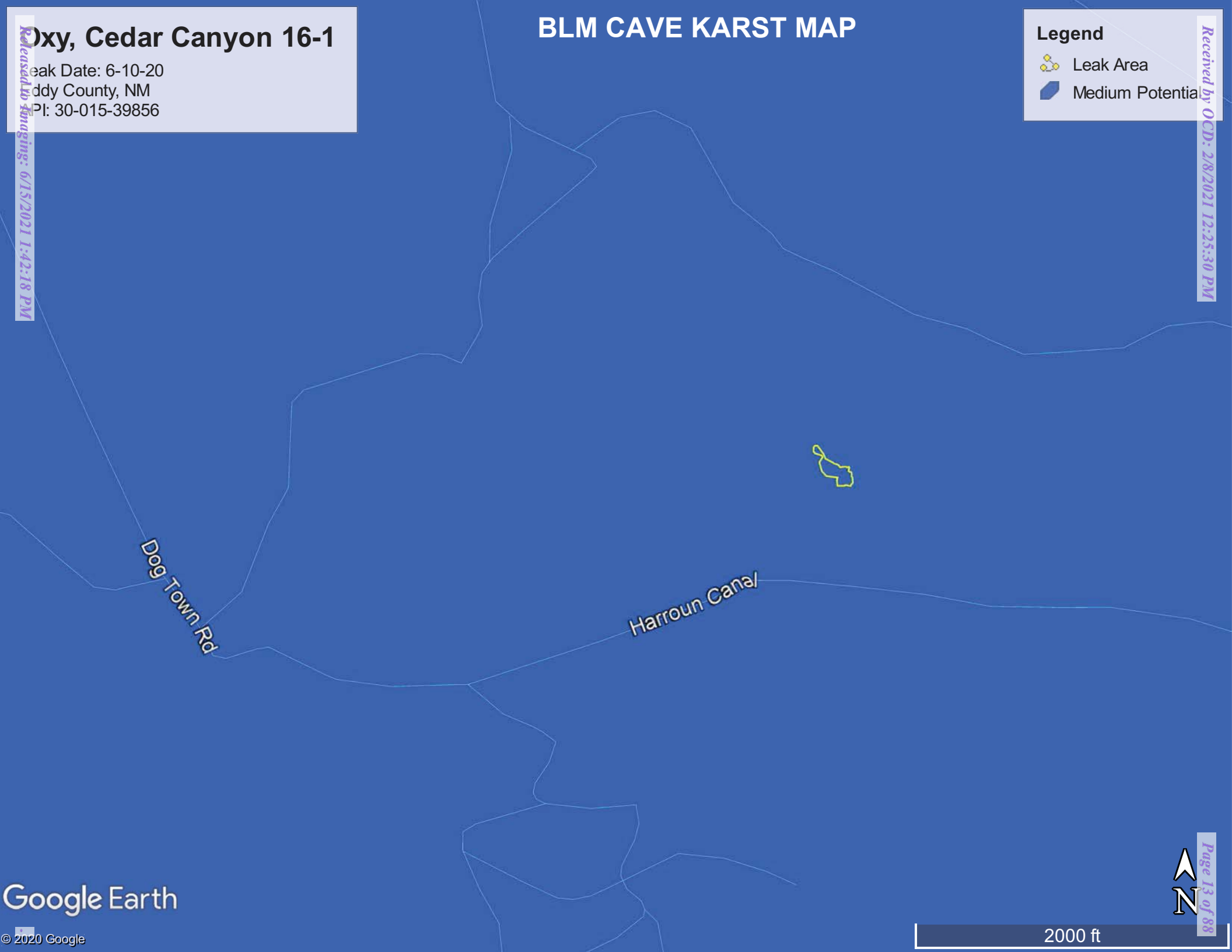
Legend

 Leak Area

 Medium Potential

Released to Imaging: 6/15/2021 1:42:18 PM

Received by OCD: 2/8/2021 12:25:30 PM



National Flood Hazard Layer FIRMette



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 X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
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
	Profile Baseline	
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/17/2020 at 5:13 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: 6/15/2021 1:42:18 PM

04°0'3"W 32°13'39"N

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

1:6,000

103°59'25"W 32°13'9"N

Received by OCD: 2/8/2021 12:25:30 PM

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Laboratory Analytical Results Summary
Oxy, Cedar Canyon 16-1 (6-10-20 7-14-20)

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	9/30/20	9/30/20	9/30/20	9/30/20
			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		208	112	160	192
GRO	TPH 8015M		<10.0	10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	39.8	<10.0	19.4
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	9/30/20	9/30/20	9/30/20	9/30/20	9/30/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		0.387	<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		0.387	<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		752	112	64.0	80.0	48.0
GRO	TPH 8015M		52.5	<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		17500	329	417	68.6	n/a
EXT DRO	TPH 8015M		5690	59.0	68.6	<10.0	n/a

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	9/30/20	9/30/20	9/30/20	10/1/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		0.370	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		0.370	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		48.0	32.0	32.0	192
GRO	TPH 8015M		128	<10.0	<10.0	n/a
DRO	TPH 8015M		28800	199	12.2	n/a
EXT DRO	TPH 8015M		11500	59.0	<10.0	n/a

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	9/30/20	9/30/20	9/30/20
			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		144	80.0	176
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		231	12.4	n/a
EXT DRO	TPH 8015M		125	<10.0	n/a

Laboratory Analytical Results Summary
Oxy, Cedar Canyon 16-1 (6-10-20 7-14-20)

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	9/30/20	9/30/20	9/30/20	9/30/20
			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		1020	1230	560	112
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		19.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	10/1/20	10/1/20	10/1/20
			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		48.0	560	320
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		30.6	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	10/1/20	10/1/20	10/1/20
			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		128	112	192
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	SP7 @ Surface	SP7 @ 1'	SP7 @ 2'
Analyte	Method	Date	10/1/20	10/1/20	10/1/20
			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		48.0	32.0	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

Laboratory Analytical Results Summary
Oxy, Cedar Canyon 16-1 (6-10-20 7-14-20)

		Sample ID	SP8 @ Surface	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'	SP8 @ 4'
Analyte	Method	Date	10/1/20	10/1/20	10/1/20	10/1/20	10/1/20
			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		8400	2720	2400	560	80.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		117	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		61.5	<10.0	n/a	n/a	n/a

		Sample ID	SP9 @ Surface	SP9 @ 1'	SP9 @ 2'
Analyte	Method	Date	10/1/20	10/1/20	10/1/20
			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		96.0	528	304
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	SP10 @ Surface	SP10 @ 1'	SP10 @ 2'
Analyte	Method	Date	10/1/20	10/1/20	10/1/20
			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		224	256	144
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		1700	<10.0	n/a
EXT DRO	TPH 8015M		664	<10.0	n/a

		Sample ID	SP11 @ Surface	SP11 @ 1'	SP11 @ 2'
Analyte	Method	Date	10/2/20	10/2/20	10/2/20
			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		144	320	320
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		48.1	<10.0	n/a
EXT DRO	TPH 8015M		18.1	<10.0	n/a

Laboratory Analytical Results Summary
Oxy, Cedar Canyon 16-1 (6-10-20 7-14-20)

		Sample ID	SP12 @ Surface	SP12 @ 1'	SP12 @ 2'
Analyte	Method	Date	10/2/20	10/2/20	10/2/20
			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		528	160	240
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	SP13 @ Surface	SP13 @ 1'	SP13 @ 2'
Analyte	Method	Date	10/2/20	10/2/20	10/2/20
			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		512	32.0	80.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		1820	<10.0	n/a
EXT DRO	TPH 8015M		780	<10.0	n/a

		Sample ID	SP14 @ Surface	SP14 @ 1'	SP14 @ 2'
Analyte	Method	Date	10/2/20	10/2/20	10/2/20
			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		32.0	64.0	240
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	SP15 @ Surface	SP15 @ 1'	SP15 @ 2'
Analyte	Method	Date	10/2/20	10/2/20	10/2/20
			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		32.0	160	160
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

Laboratory Analytical Results Summary
Oxy, Cedar Canyon 16-1 (6-10-20 7-14-20)

		Sample ID	SP16 @ Surface	SP16 @ 1'	SP16 @ 2'
Analyte	Method	Date	10/2/20	10/2/20	10/2/20
			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		32.0	48.0	32.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		341	<10.0	n/a
EXT DRO	TPH 8015M		134	<10.0	n/a

		Sample ID	SP17 @ Surface	SP17 @ 1'	SP17 @ 2'	SP17 @ 3'
Analyte	Method	Date	10/2/20	10/2/20	10/2/20	10/2/20
			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		3840	1390	720	176
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		17.5	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a



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

October 12, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON 16-1

Enclosed are the results of analyses for samples received by the laboratory on 10/07/20 17:00.

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.

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:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: NORTH @ SURFACE (H002672-01)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2020	ND	2.00	100	2.00	2.10	
Toluene*	<0.050	0.050	10/08/2020	ND	2.03	101	2.00	2.44	
Ethylbenzene*	<0.050	0.050	10/08/2020	ND	1.94	97.0	2.00	2.44	
Total Xylenes*	<0.150	0.150	10/08/2020	ND	5.51	91.8	6.00	0.872	
Total BTEX	<0.300	0.300	10/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/09/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	204	102	200	2.73	
DRO >C10-C28*	<10.0	10.0	10/09/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 141 % 44.3-144

Surrogate: 1-Chlorooctadecane 138 % 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:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: EAST @ SURFACE (H002672-02)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2020	ND	2.00	100	2.00	2.10	
Toluene*	<0.050	0.050	10/08/2020	ND	2.03	101	2.00	2.44	
Ethylbenzene*	<0.050	0.050	10/08/2020	ND	1.94	97.0	2.00	2.44	
Total Xylenes*	<0.150	0.150	10/08/2020	ND	5.51	91.8	6.00	0.872	
Total BTX	<0.300	0.300	10/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/09/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.0	10.0	10/08/2020	ND	204	102	200	2.73	
DRO >C10-C28*	39.8	10.0	10/08/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 118 % 44.3-144

Surrogate: 1-Chlorooctadecane 128 % 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:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: WEST @ SURFACE (H002672-03)

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	10/08/2020	ND	2.00	100	2.00	2.10		
Toluene*	<0.050	0.050	10/08/2020	ND	2.03	101	2.00	2.44		
Ethylbenzene*	<0.050	0.050	10/08/2020	ND	1.94	97.0	2.00	2.44		
Total Xylenes*	<0.150	0.150	10/08/2020	ND	5.51	91.8	6.00	0.872		
Total BTEx	<0.300	0.300	10/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/09/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	204	102	200	2.73	
DRO >C10-C28*	<10.0	10.0	10/08/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 125 % 44.3-144

Surrogate: 1-Chlorooctadecane 140 % 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:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SOUTH @ SURFACE (H002672-04)

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	10/08/2020	ND	2.00	100	2.00	2.10	
Toluene*	<0.050	0.050	10/08/2020	ND	2.03	101	2.00	2.44	
Ethylbenzene*	<0.050	0.050	10/08/2020	ND	1.94	97.0	2.00	2.44	
Total Xylenes*	<0.150	0.150	10/08/2020	ND	5.51	91.8	6.00	0.872	
Total BTX	<0.300	0.300	10/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/09/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	204	102	200	2.73	
DRO >C10-C28*	19.4	10.0	10/08/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-144

Surrogate: 1-Chlorooctadecane 122 % 42.2-156

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

Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 1 @ SURFACE (H002672-05)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2020	ND	2.00	100	2.00	2.10		
Toluene*	<0.050	0.050	10/08/2020	ND	2.03	101	2.00	2.44		
Ethylbenzene*	<0.050	0.050	10/08/2020	ND	1.94	97.0	2.00	2.44		
Total Xylenes*	0.387	0.150	10/08/2020	ND	5.51	91.8	6.00	0.872		
Total BTEX	0.387	0.300	10/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	10/09/2020	ND	432	108	400	0.00		

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*	52.5	50.0	10/08/2020	ND	204	102	200	2.73	
DRO >C10-C28*	17500	50.0	10/08/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	5690	50.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 129 % 44.3-144

Surrogate: 1-Chlorooctadecane 977 % 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:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 1 @ 1' (H002672-06)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2020	ND	2.00	100	2.00	2.10	
Toluene*	<0.050	0.050	10/08/2020	ND	2.03	101	2.00	2.44	
Ethylbenzene*	<0.050	0.050	10/08/2020	ND	1.94	97.0	2.00	2.44	
Total Xylenes*	<0.150	0.150	10/08/2020	ND	5.51	91.8	6.00	0.872	
Total BTEX	<0.300	0.300	10/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/09/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	204	102	200	2.73	
DRO >C10-C28*	329	10.0	10/08/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	59.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 124 % 44.3-144

Surrogate: 1-Chlorooctadecane 151 % 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:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 1 @ 2' (H002672-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63	
Total BTEx	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/09/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	204	102	200	2.73	
DRO >C10-C28*	417	10.0	10/08/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	68.6	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-144

Surrogate: 1-Chlorooctadecane 153 % 42.2-156

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Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 1 @ 3' (H002672-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79		
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63		
Total BTEx	<0.300	0.300	10/09/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/09/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	204	102	200	2.73	
DRO >C10-C28*	88.5	10.0	10/08/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-144

Surrogate: 1-Chlorooctadecane 139 % 42.2-156

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Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 1 @ 4' (H002672-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/09/2020	ND	432	108	400	0.00		

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Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 2 @ SURFACE (H002672-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79		
Total Xylenes*	0.370	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63		
Total BTEX	0.370	0.300	10/09/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/09/2020	ND	432	108	400	0.00		

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*	128	100	10/08/2020	ND	204	102	200	2.73	
DRO >C10-C28*	28800	100	10/08/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	11500	100	10/08/2020	ND					

Surrogate: 1-Chlorooctane 133 % 44.3-144

Surrogate: 1-Chlorooctadecane 1370 % 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:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 2 @ 1' (H002672-11)

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	10/09/2020	ND	2.02	101	2.00	3.56	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63	
Total BTEX	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/09/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	204	102	200	2.73	
DRO >C10-C28*	199	10.0	10/08/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	59.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 123 % 44.3-144

Surrogate: 1-Chlorooctadecane 146 % 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:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 2 @ 2' (H002672-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63	
Total BTEX	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/09/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	204	102	200	2.73	
DRO >C10-C28*	12.2	10.0	10/08/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-144

Surrogate: 1-Chlorooctadecane 137 % 42.2-156

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Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 2 @ 3' (H002672-13)

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	10/09/2020	ND	432	108	400	0.00		

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 3 @ SURFACE (H002672-14)

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	10/09/2020	ND	2.02	101	2.00	3.56		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79		
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63		
Total BTEx	<0.300	0.300	10/09/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/09/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	204	102	200	2.73	
DRO >C10-C28*	231	10.0	10/08/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	125	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 75.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.2 % 42.2-156

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

Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 3 @ 1' (H002672-15)

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	10/09/2020	ND	2.02	101	2.00	3.56		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79		
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63		
Total BTEx	<0.300	0.300	10/09/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/09/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	204	102	200	2.73	
DRO >C10-C28*	12.4	10.0	10/08/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 123 % 44.3-144

Surrogate: 1-Chlorooctadecane 134 % 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:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 3 @ 2' (H002672-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/09/2020	ND	432	108	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:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 4 @ SURFACE (H002672-17)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79		
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63		
Total BTEx	<0.300	0.300	10/09/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	10/09/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	204	102	200	2.73	
DRO >C10-C28*	19.0	10.0	10/08/2020	ND	213	107	200	5.78	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 96.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 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:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 4 @ 1' (H002672-18)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63	
Total BTEx	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	10/09/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	214	107	200	5.94	
DRO >C10-C28*	<10.0	10.0	10/08/2020	ND	221	111	200	6.79	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-144

Surrogate: 1-Chlorooctadecane 136 % 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:	10/07/2020	Sampling Date:	09/30/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 4 @ 2' (H002672-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/09/2020	ND	432	108	400	0.00		

Sample ID: SP 4 @ 3' (H002672-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/09/2020	ND	400	100	400	3.92	

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 5 @ SURFACE (H002672-21)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79		
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63		
Total BTEx	<0.300	0.300	10/09/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/09/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	214	107	200	5.94	
DRO >C10-C28*	30.6	10.0	10/08/2020	ND	221	111	200	6.79	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 117 % 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:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 5 @ 1' (H002672-22)

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	10/09/2020	ND	2.02	101	2.00	3.56	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63	
Total BTEx	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/09/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	214	107	200	5.94	
DRO >C10-C28*	<10.0	10.0	10/08/2020	ND	221	111	200	6.79	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-144

Surrogate: 1-Chlorooctadecane 129 % 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:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 5 @ 2' (H002672-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/09/2020	ND	400	100	400	3.92		

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Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 6 @ SURFACE (H002672-24)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79		
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63		
Total BTEX	<0.300	0.300	10/09/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/09/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	214	107	200	5.94	
DRO >C10-C28*	<10.0	10.0	10/08/2020	ND	221	111	200	6.79	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 125 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 6 @ 1' (H002672-25)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63	
Total BTEX	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/09/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	214	107	200	5.94	
DRO >C10-C28*	<10.0	10.0	10/08/2020	ND	221	111	200	6.79	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 118 % 44.3-144

Surrogate: 1-Chlorooctadecane 134 % 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:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 6 @ 2' (H002672-26)

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	10/09/2020	ND	400	100	400	3.92		

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Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 7 @ SURFACE (H002672-27)

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	10/09/2020	ND	2.02	101	2.00	3.56		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79		
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63		
Total BTEx	<0.300	0.300	10/09/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/09/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	214	107	200	5.94	
DRO >C10-C28*	<10.0	10.0	10/08/2020	ND	221	111	200	6.79	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 123 % 42.2-156

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Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 7 @ 1' (H002672-28)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63	
Total BTEx	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/09/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	214	107	200	5.94	
DRO >C10-C28*	<10.0	10.0	10/08/2020	ND	221	111	200	6.79	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 116 % 44.3-144

Surrogate: 1-Chlorooctadecane 134 % 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:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 7 @ 2' (H002672-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/09/2020	ND	400	100	400	3.92		

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Analytical Results For:

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Received:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 8 @ SURFACE (H002672-30)

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	10/09/2020	ND	2.02	101	2.00	3.56		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79		
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63		
Total BTX	<0.300	0.300	10/09/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	10/09/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	228	114	200	0.531	
DRO >C10-C28*	117	10.0	10/08/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	61.5	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 97.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 8 @ 1' (H002672-31)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63	
Total BTEx	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	10/09/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/08/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 110 % 42.2-156

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Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 8 @ 2' (H002672-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	10/09/2020	ND	400	100	400	3.92		

Sample ID: SP 8 @ 3' (H002672-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/09/2020	ND	400	100	400	3.92	

Sample ID: SP 8 @ 4' (H002672-34)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/09/2020	ND	400	100	400	3.92	

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Analytical Results For:

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Received:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 9 @ SURFACE (H002672-35)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79		
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63		
Total BTEx	<0.300	0.300	10/09/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/09/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/08/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 9 @ 1' (H002672-36)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63	
Total BTEX	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	10/09/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/08/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 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:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 9 @ 2' (H002672-37)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/09/2020	ND	400	100	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:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 10 @ SURFACE (H002672-38)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.56		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.78		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.5	2.00	3.79		
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.65	94.2	6.00	3.63		
Total BTEX	<0.300	0.300	10/09/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/09/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	228	114	200	0.531	
DRO >C10-C28*	1700	10.0	10/08/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	664	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 146 % 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:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 10 @ 1' (H002672-39)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2020	ND	2.04	102	2.00	2.48	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36	
Total BTEx	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/09/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 116 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 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:	10/07/2020	Sampling Date:	10/01/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 10 @ 2' (H002672-40)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/09/2020	ND	416	104	400	8.00	QM-07	

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Analytical Results For:

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Received:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 11 @ SURFACE (H002672-41)

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	10/09/2020	ND	2.04	102	2.00	2.48	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36	
Total BTX	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/09/2020	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2020	ND	228	114	200	0.531	
DRO >C10-C28*	48.1	10.0	10/08/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	18.1	10.0	10/08/2020	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.7 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 11 @ 1' (H002672-42)

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	10/09/2020	ND	2.04	102	2.00	2.48	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36	
Total BTX	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/09/2020	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 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:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 11 @ 2' (H002672-43)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/09/2020	ND	416	104	400	8.00		

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Analytical Results For:

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Received:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 12 @ SURFACE (H002672-44)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2020	ND	2.04	102	2.00	2.48		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36		
Total BTEX	<0.300	0.300	10/09/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	10/09/2020	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 109 % 42.2-156

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Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 12 @ 1' (H002672-45)

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	10/09/2020	ND	2.04	102	2.00	2.48	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36	
Total BTX	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/09/2020	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 12 @ 2' (H002672-46)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/09/2020	ND	416	104	400	8.00		

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

Received:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 13 @ SURFACE (H002672-47)

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	10/09/2020	ND	2.04	102	2.00	2.48	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36	
Total BTX	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/09/2020	ND	416	104	400	8.00	

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	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	1820	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	780	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 159 % 42.2-156

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

Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 13 @ 1' (H002672-48)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2020	ND	2.04	102	2.00	2.48	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36	
Total BTEx	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/09/2020	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-144

Surrogate: 1-Chlorooctadecane 120 % 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:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 13 @ 2' (H002672-49)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/09/2020	ND	416	104	400	8.00		

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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:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 14 @ SURFACE (H002672-50)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2020	ND	2.04	102	2.00	2.48	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36	
Total BTEX	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/09/2020	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 42.2-156

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Analytical Results For:

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

Received:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 14 @ 1' (H002672-51)

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	10/09/2020	ND	2.04	102	2.00	2.48	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36	
Total BTX	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/09/2020	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 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:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 14 @ 2' (H002672-52)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/09/2020	ND	416	104	400	8.00		

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Analytical Results For:

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Received:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 15 @ SURFACE (H002672-53)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2020	ND	2.04	102	2.00	2.48	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36	
Total BTEX	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/09/2020	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 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:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 15 @ 1' (H002672-54)

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	10/09/2020	ND	2.04	102	2.00	2.48	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36	
Total BTX	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/09/2020	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-144

Surrogate: 1-Chlorooctadecane 121 % 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:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 15 @ 2' (H002672-55)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/09/2020	ND	416	104	400	8.00		

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Analytical Results For:

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Received:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 16 @ SURFACE (H002672-56)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2020	ND	2.04	102	2.00	2.48		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36		
Total BTEX	<0.300	0.300	10/09/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/09/2020	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	341	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	134	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 118 % 44.3-144

Surrogate: 1-Chlorooctadecane 129 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 16 @ 1' (H002672-57)

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	10/09/2020	ND	2.04	102	2.00	2.48	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36	
Total BTX	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/09/2020	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 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:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 16 @ 2' (H002672-58)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/09/2020	ND	416	104	400	8.00		

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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:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 17 @ SURFACE (H002672-59)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2020	ND	2.04	102	2.00	2.48		
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40		
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53		
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36		
Total BTEX	<0.300	0.300	10/09/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	10/09/2020	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	17.5	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 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:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 17 @ 1' (H002672-60)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2020	ND	2.04	102	2.00	2.48	
Toluene*	<0.050	0.050	10/09/2020	ND	2.02	101	2.00	3.40	
Ethylbenzene*	<0.050	0.050	10/09/2020	ND	1.97	98.4	2.00	3.53	
Total Xylenes*	<0.150	0.150	10/09/2020	ND	5.66	94.3	6.00	3.36	
Total BTEx	<0.300	0.300	10/09/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	10/09/2020	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	10/09/2020	ND	228	114	200	0.531	
DRO >C10-C28*	<10.0	10.0	10/09/2020	ND	232	116	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	10/09/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 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:	10/07/2020	Sampling Date:	10/02/2020
Reported:	10/12/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16-1	Sampling Condition:	Cool & Intact
Project Number:	(6/10/20 & 7/14/20)	Sample Received By:	Yvonne Muniz
Project Location:	OXY -EDDY COUNTY NM		

Sample ID: SP 17 @ 2' (H002672-61)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	10/09/2020	ND	400	100	400	0.00	

Sample ID: SP 17 @ 3' (H002672-62)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/09/2020	ND	400	100	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.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(1047)

(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				Address:																			
Phone #: 575-397-6388				Fax #: 575-397-0397				City:																			
Project #:				Project Owner: Oxy				State: Zip:																			
Project Name: Cedar Canyon 16-1 (6-10-20 & 7-14-20)														Phone #:													
Project Location: EDDY COUNTY, NM														Fax #:													
Sampler Name: Simon Rendon																											
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.																									
H002672 1 2 3 4 5 6 7 8 9 10		(GRAB OR C/COMP. # CONTAINERS		GROUNDWATER WASTEWATER		SOIL OIL SLUDGE		OTHER : ACID/BASE: ICE / COOL OTHER :		DATE TIME		CL BTEX TPH EXT															
North @ Surface		G		I		I		I		9/30/20 9:35 AM		✓ ✓ ✓															
East @ Surface		I		I		I		I		9/30/20 9:47 AM		✓ ✓ ✓															
West @ Surface		I		I		I		I		9/30/20 10:07 AM		✓ ✓ ✓															
South @ Surface		I		I		I		I		9/30/20 10:16 AM		✓ ✓ ✓															
SP1 @ Surface		I		I		I		I		9/30/20 10:43 AM		✓ ✓ ✓															
SP1 @ 1'		I		I		I		I		9/30/20 11:04 AM		✓ ✓ ✓															
SP1 @ 2'		I		I		I		I		9/30/20 11:16 AM		✓ ✓ ✓															
SP1 @ 3'		I		I		I		I		9/30/20 11:27 AM		✓ ✓ ✓															
SP1 @ 4'		I		I		I		I		9/30/20 11:44 AM		✓ ✓ ✓															
SP2 @ Surface		I		I		I		I		9/30/20 12:02 PM		✓ ✓ ✓															
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Relinquished By: <i>Simon Rendon</i>														Date: 10-7-20 Time: 7:00 AM				Received By: <i>Isaiah Pena</i>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No REMARKS:					
Relinquished By: <i>Isaiah Pena</i>														Date: 10-7-20 Time: 8:00 AM				Received By: <i>Yvonne Muniz</i>				Add'l Phone #: Add'l Fax #:					
Delivered By: (Circle One)														Date: 10-7-20 Time: 17:00				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				CHECKED BY: (Initials) <i>ym</i>					
Sampler - UPS - Bus - Other:														#113 -6-1													

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 7

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST														
Project Manager: Cliff Brunson				P.O. #:																		
Address: P.O. Box 805				Company: OXY																		
City: Hobbs State: NM Zip: 88241				Attn: WADE																		
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																		
Project #: Project Owner: Oxy				City:																		
Project Name: Cedar Canyon 16-1 (6-10-20 & 7-14-20)				State: Zip:																		
Project Location: EDDY COUNTY, NM				Phone #:																		
Sampler Name: Simon Rendon				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(GRAB OR C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH	EXT				
H002672																						
11	SP2 @ 1'	G	I										9/30/20	12:44 PM	✓	✓	✓					
12	SP2 @ 2'												9/30/20	12:57 PM	✓	✓	✓					
13	SP2 @ 3'												9/30/20	1:09 PM	✓							
14	SP3 @ Surface												9/30/20	1:27 PM	✓	✓	✓					
15	SP3 @ 1'												9/30/20	1:41 PM	✓	✓	✓					
16	SP3 @ 2'												9/30/20	1:54 PM	✓							
17	SP4 @ Surface												9/30/20	2:20 PM	✓	✓	✓					
18	SP4 @ 1'												9/30/20	2:31 PM	✓	✓	✓					
19	SP4 @ 2'												9/30/20	2:46 PM	✓							
20	SP4 @ 3'												9/30/20	2:58 PM	✓							

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Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Simon Rendon</i>	10-7-20	<i>Israel Pena</i>	Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:		
<i>Israel Pena</i>	10-7-20	<i>Yvonne Miniz</i>			
Delivered By: (Circle One)	Time:	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	1700	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) <i>ym</i>		
#113 - 6.1					

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3057

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																				
Project Manager: Cliff Brunson				P.O. #:																								
Address: P.O. Box 805				Company: OXY																								
City: Hobbs State: NM Zip: 88241				Attn: WADE																								
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																								
Project #: Project Owner: Oxy				City:																								
Project Name: Cedar Canyon 16-1 (6-10-20 & 7-14-20)				State: Zip:																								
Project Location: EDDY COUNTY, NM				Phone #:																								
Sampler Name: Simon Rendon				Fax #:																								
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																		
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH	EXT										
#002672	SP5 @ Surface	G	I			I							10/1/20	9:30 AM	✓	✓	✓											
21	SP5 @ 1'												10/1/20	9:43 AM	✓	✓	✓											
22	SP5 @ 2'												10/1/20	9:54 AM	✓													
23	SP6 @ Surface												10/1/20	10:12 AM	✓	✓	✓											
24	SP6 @ 1'												10/1/20	10:38 AM	✓	✓	✓											
25	SP6 @ 2'												10/1/20	11:03 AM	✓													
26	SP7 @ Surface												10/1/20	11:18 AM	✓	✓	✓											
27	SP7 @ 1'												10/1/20	11:34 AM	✓	✓	✓											
28	SP7 @ 2'												10/1/20	11:48 AM	✓													
29	SP8 @ Surface												10/1/20	12:45 PM	✓	✓	✓											
30																												

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Relinquished By:	Date: 10-7-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 7:00 AM		Time: 7:00 AM	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 10-7-20	Received By:	REMARKS:	
Time: 1700		Time: 1700		
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other: #186-6-1	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	ym		
	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(4 of 7)

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST														
Project Manager: Cliff Brunson				P.O. #:																		
Address: P.O. Box 805				Company: OXY																		
City: Hobbs State: NM Zip: 88241				Attn: WADE																		
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																		
Project #: Project Owner: Oxy				City:																		
Project Name: Cedar Canyon 16-1 (6-10-20 & 7-14-20)				State: Zip:																		
Project Location: EDDY COUNTY, NM				Phone #:																		
Sampler Name: Simon Rendon				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	CL	BTEX	TPH	EXT				
H002672																						
31	SP8 @ 1'	G	I										10/1/20	1:10 PM	✓	✓	✓					
32	SP8 @ 2'												10/1/20	1:24 PM	✓							
33	SP8 @ 3'												10/1/20	1:38 PM	✓							
34	SP8 @ 4'												10/1/20	1:52 PM	✓							
35	SP9 @ Surface												10/1/20	2:20 PM	✓	✓	✓					
36	SP9 @ 1'												10/1/20	2:33 PM	✓	✓	✓					
37	SP9 @ 2'												10/1/20	2:46 PM	✓							
38	SP10 @ Surface												10/1/20	2:52 PM	✓	✓	✓					
39	SP10 @ 1'												10/1/20	3:06 PM	✓	✓	✓					
40	SP10 @ 2'												10/1/20	3:18 PM	✓							

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Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Simon Rendon	10-7-20	Isaiah Pena	Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:		
Isaiah Pena	10-7-20	Vivonne Muniz			
Delivered By: (Circle One)	Time:	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:	1700	Cool Intact	Ym		
	#113-6-1	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(6 of 7)

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										Address:									
Phone #: 575-397-6388 Fax #: 575-397-0397										City:									
Project #: Project Owner: Oxy										State: Zip:									
Project Name: Cedar Canyon 16-1 (6-10-20 & 7-14-20)										Phone #:									
Project Location: EDDY COUNTY, NM										Fax #:									
Sampler Name: Simon Rendon																			
FOR LAB USE ONLY		G/RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		CL		BTEX		TPH EXT			
Lab I.D.	Sample I.D.					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME			
H002672																			
51	SP14 @ 1'	G	I												10/2/20	11:59 AM	✓	✓	
52	SP14 @ 2'														10/2/20	12:47 PM	✓		
53	SP15 @ Surface														10/2/20	1:09 PM	✓	✓	
54	SP15 @ 1'														10/2/20	1:23 PM	✓	✓	
55	SP15 @ 2'														10/2/20	1:36 PM	✓		
56	SP16 @ Surface														10/2/20	1:52 PM	✓	✓	
57	SP16 @ 1'														10/2/20	2:04 PM	✓	✓	
58	SP16 @ 2'														10/2/20	2:16 PM	✓		
59	SP17 @ Surface														10/2/20	2:23 PM	✓	✓	
60	SP17 @ 1'														10/2/20	2:32 PM	✓	✓	

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Relinquished By: <i>Simon Rendon</i>	Date: 10-7-20	Received By: <i>Shael Rendon</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Shael Rendon</i>	Date: 10-7-20	Received By: <i>Yvonne Muniz</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Time: 7:00 PM	Time: 8:00 PM	REMARKS:	
Sampler - UPS - Bus - Other: <i>#113 - 6.1</i>	Sample Condition	CHECKED BY: (Initials)		
	Cool Intact			
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Ym</i>		

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(7087)

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																																							
Project Manager: Cliff Brunson				P.O. #:																																											
Address: P.O. Box 805				Company: OXY																																											
City: Hobbs State: NM Zip: 88241				Attn: WADE																																											
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																																											
Project #: Project Owner: Oxy				City:																																											
Project Name: Cedar Canyon 16-1 (6-10-20 & 7-14-20)				State: Zip:																																											
Project Location: EDDY COUNTY, NM				Phone #:																																											
Sampler Name: Simon Rendon				Fax #:																																											
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		CL		BTEX		TPH EXT													
H002672		SP17 @ 2'		G		1																				10/2/20		2:42 PM		✓																	
62		SP17 @ 3'		G		1																				10/2/20		2:54 PM		✓																	

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Relinquished By: <i>Simon Rendon</i>		Date: 10-7-20		Received By: <i>Isaac Kew</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: 7:00 AM						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By: <i>Isaac Kew</i>		Date: 10-7-20		Received By: <i>Yvonne Muniz</i>		REMARKS:			
Time: 8:00 AM									
Delivered By: (Circle One)		1700							
Sampler - UPS - Bus - Other:		#113 - 6.1		Sample Condition		CHECKED BY: (Initials)			
				Cool Intact		Ym			
				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
				<input type="checkbox"/> Yes <input type="checkbox"/> No					

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Form C-141

State of New Mexico
Oil Conservation Division

Page 5

Incident ID	NRM2023461379
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 CoordinatorSignature:  Date: 9.9.2020email: wade_dittrich@oxy.com Telephone: (575) 390-2828**OCD Only**Received by: Robert Hamlet Date: 6/15/2021☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Robert Hamlet Date: 6/15/2021

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 17378

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 17378
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Workplan/Remediation Plan is approved with the following conditions: The release is within a 100-year floodplain and will require impacted soils to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less. Please make sure the edges/sidewalls are delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH. Please collect confirmation samples, representing no more than 200 ft2.	6/15/2021