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DELINEATION/REMEDATION WORKPLAN

OXY – CEDAR CANYON 22 CENTRAL SATELLITE (Leak Date: 6/13/20)

Incident Reference #: NRM2025241810

This delineation workplan and remediation proposal addresses the releases associated with Incident Reference #: NRM2025251810.

The following information includes:

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

Based on the information included in this package and the NMOCD rules, the following remediation is proposed:

OXY will excavate the spill area as depicted on the following site diagram.

The leak area near SP1 and SP2 (white shade on diagram) will require zero remediation. The leak area near SP3, SP4, and SP6 – SP8 (pink shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP5 and SP9 (blue shade on diagram) will be excavated to a depth of 2 feet.

OXY will collect sidewall and confirmation samples every 400 square feet. The estimated amount of soil to be excavated is 647 cubic yards. The remediation will be completed within 90 days of approval.

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

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

Form C-141

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State of New Mexico
Oil Conservation Division

Incident ID	NRM2025241810
District RP	
Facility ID	
Application ID	

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

What is the shallowest depth to groundwater beneath the area affected by the release?	57 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas 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

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Incident ID	NRM2025241810
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.com Telephone: (575) 390-2828**OCD Only**

Received by: _____ Date: _____

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NRM2025241810
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Remediation Plan


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

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 4-9-2020
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD OnlyReceived by: Chad Hensley Date: 03/23/2021☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature:  Date: 03/23/2021

Oxy Cedar Canyon 22 Central Satellite

Leak Dates: 6-13-20
Eddy County, NM
Incident ID: NRM2025251810

Legend

2' Excavation

3' Excavation

Leak Area

Sample Points

Zero Remediation



Oxy, Cedar Canyon Central Satellite (6-13-20)

Sample points

SP1, N 32.20038 W 103.97772

SP2, N 32.20031 W 103.97786

SP3, N 32.20029 W 103.97770

SP4, N 32.20028 W 103.97751

SP5, N 32.20027 W 103.97734

SP6, N 32.20028 W 103.97714

SP7, N 32.20027 W 103.97696

SP8, N 32.20032 W 103.97683

SP9, N 32.20026 W 103.97677

NORTH, N 32.20041 W 103.97772

EAST, N 32.20038 W 103.97675

WEST, N 32.20032 W 103.97790

SOUTH, N 32.20024 W 103.97752



USGS Home
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National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:


Groundwater

Geographic Area:

New Mexico

GO

Click to hideNews Bulletins

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- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321234104002601

Minimum number of levels = 1

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

USGS 321234104002601 24S.29E.20.122

Eddy County, New Mexico

Latitude 32°12'34", Longitude 104°00'26" NAD27

Land-surface elevation 2,950 feet above NGVD29

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

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

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	Z	Other.
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)

[Feedback on this web site](#)

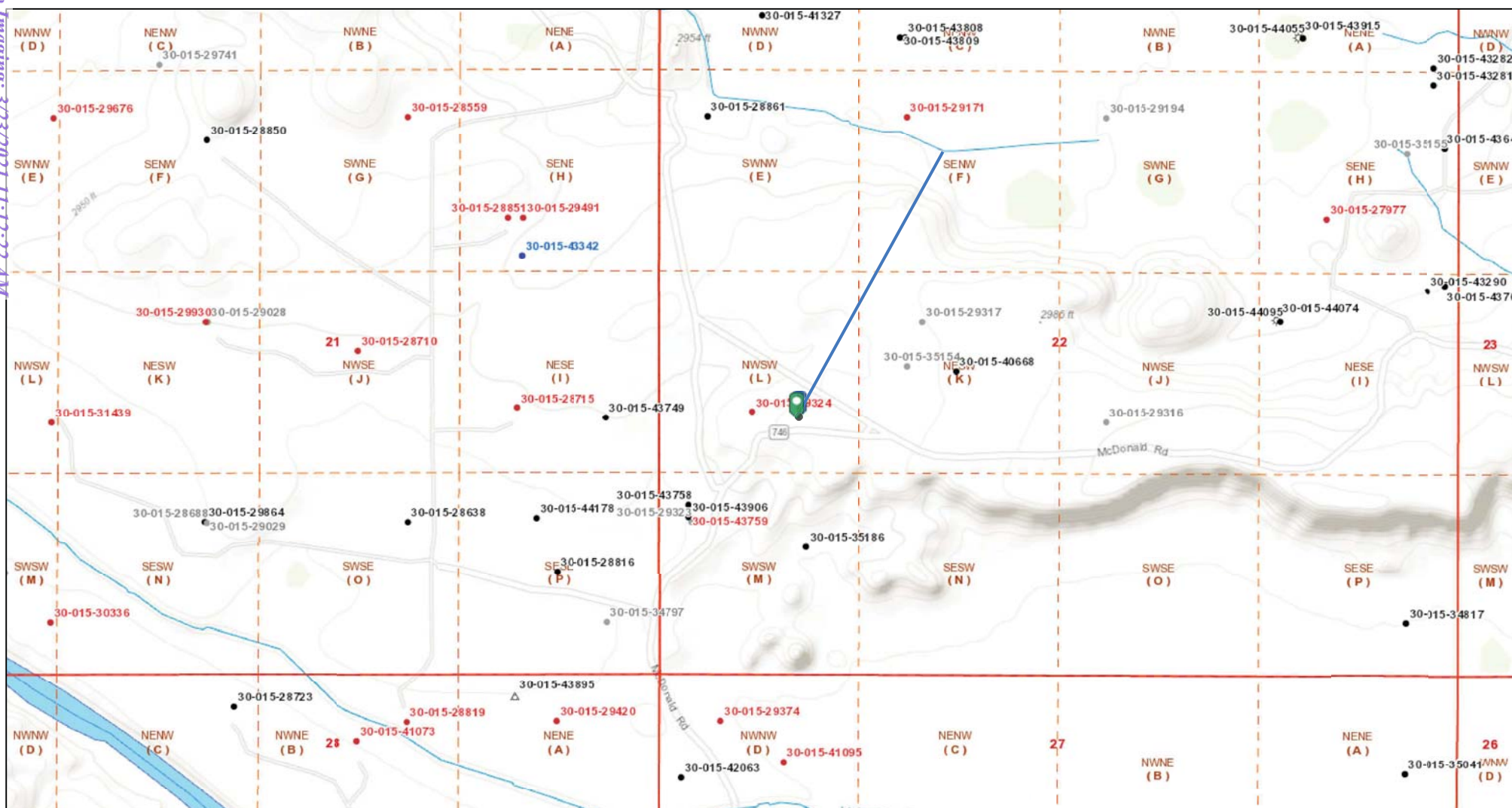
[Automated retrievals](#)

[Help](#)

[Data Tips](#)

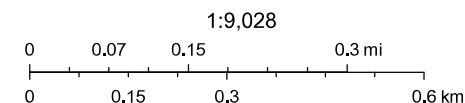
[Explanation of terms](#)

Oxy Cedar Canyon 22 Central Sat. (6-13-20) 2000 ft to h2o



6/18/2020 2:13:58 PM

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 22 Central
Sale


Leak Date: 6-13-20


Sandoz County, NM

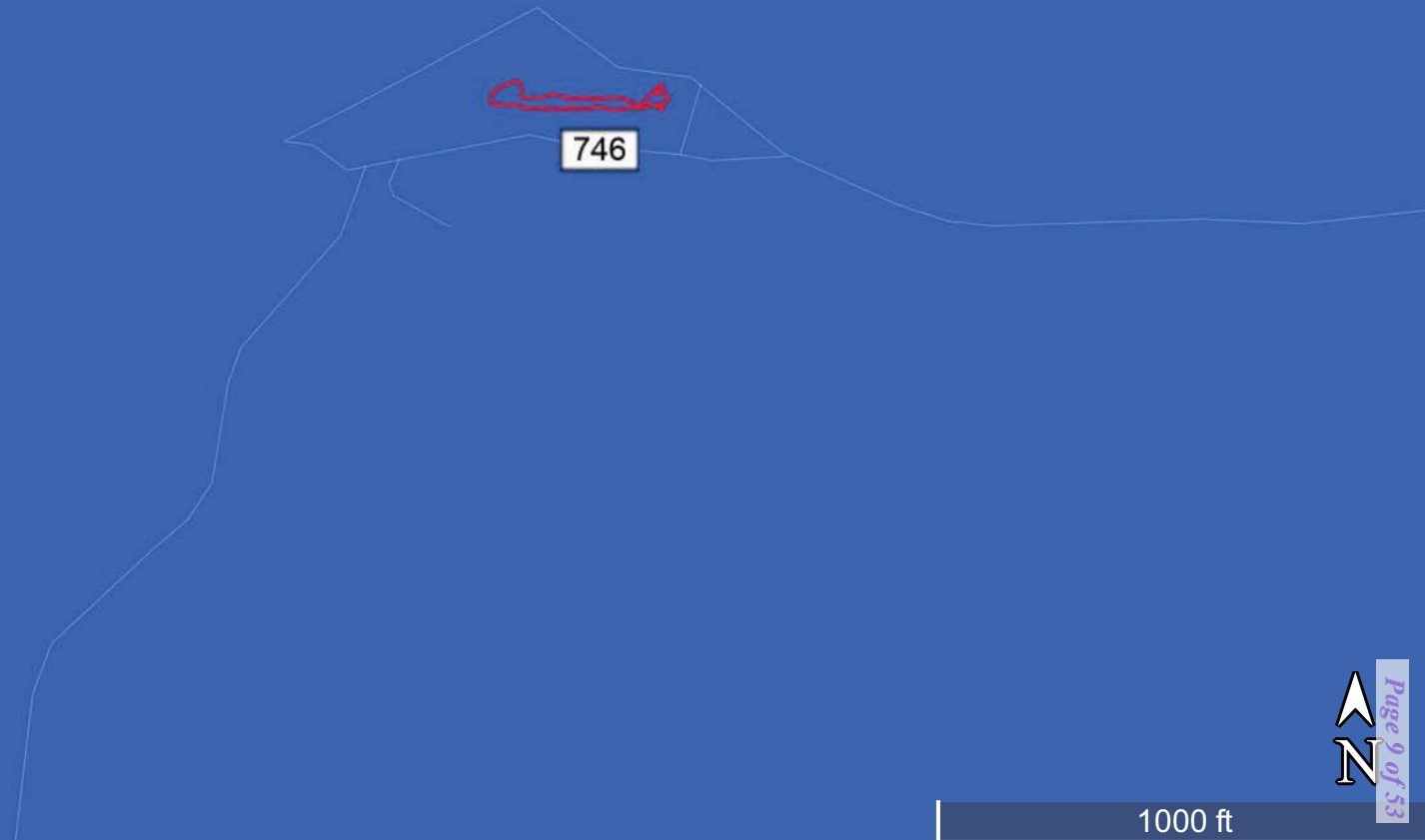
Incident ID: NRM2025241810

BLM CAVE KARST MAP

Legend

 Leak Area

 Medium Potential



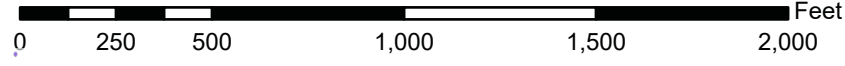
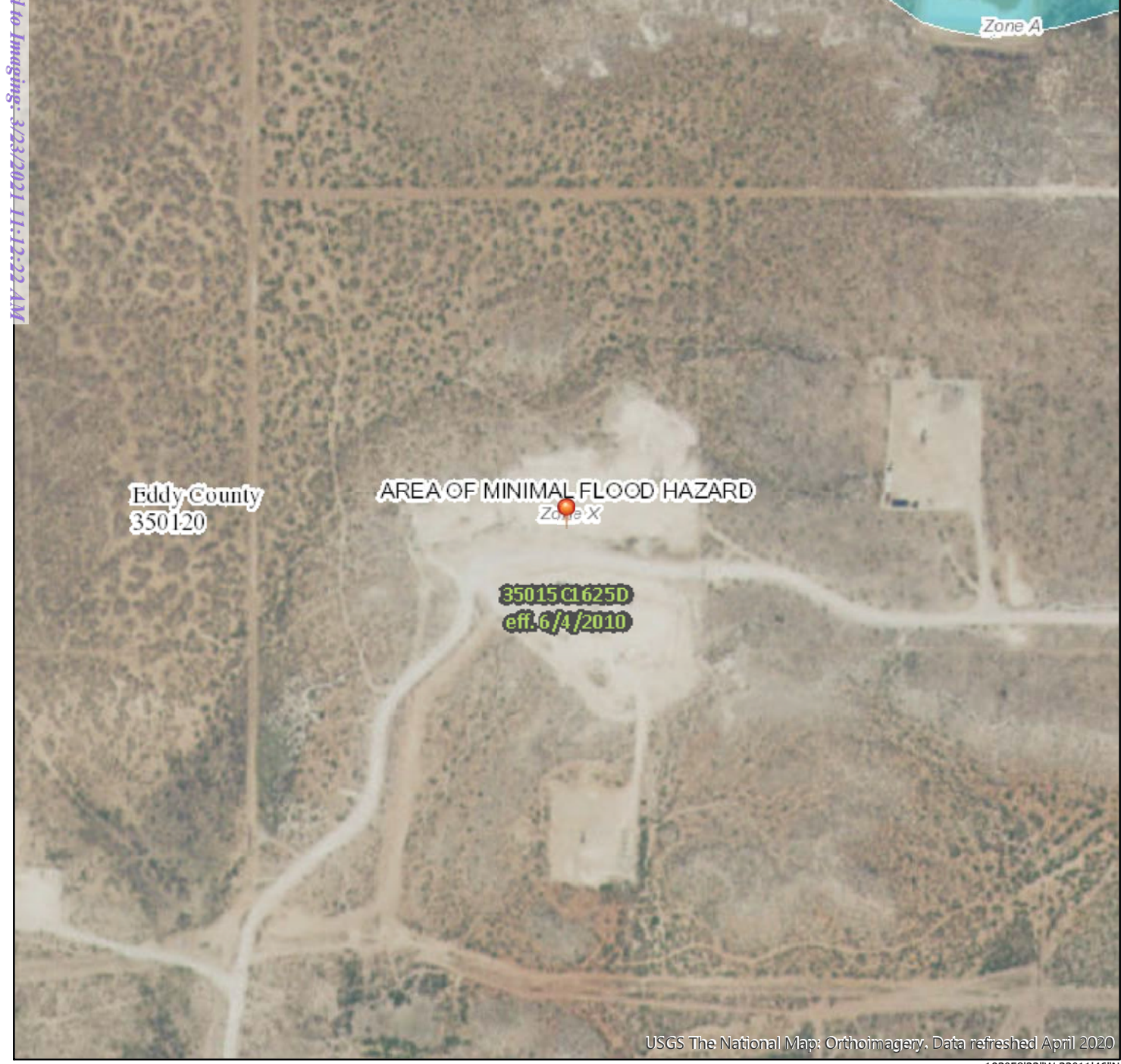
Released to Imaging: 3/23/2021 11:12:22 AM

Received by OCD: 2/8/2021 1:32:31 PM

National Flood Hazard Layer FIRMMette



103°58'59"W 32°12'16"N



1:6,000

103°58'22"W 32°11'46"N

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile 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		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
OTHER FEATURES		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/17/2020 at 4:19 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: 3/23/2021 11:12:22 AM

Received by OCD: 2/8/2021 1:32:31 PM

Laboratory Analytical Results Summary
Oxy, Cedar Canyon 22 Central Satellite (6-13-2020)

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	9/3/20	9/3/20	9/3/20	9/3/20
			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		240	256	256	240
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	9/3/20	9/3/20	9/3/20
			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		80.0	48.0	32.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	9/3/20	9/3/20	9/3/20
			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	16.0	32.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	9/3/20	9/3/20	9/3/20	9/3/20	9/3/20
			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		112	6260	1760	448	208
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

Laboratory Analytical Results Summary
Oxy, Cedar Canyon 22 Central Satellite (6-13-2020)

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
Analyte	Method	Date	9/3/20	9/3/20	9/3/20	9/3/20	9/3/20
			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		64.0	3480	1250	32.0	96.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'
Analyte	Method	Date	9/3/20	9/3/20	9/3/20	9/3/20	9/3/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		64.0	4000	320	80.0	80.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		10.2	<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'
Analyte	Method	Date	9/3/20	9/3/20	9/3/20	9/3/20
			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		26800	4400	880	160
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Sample ID	SP7 @ Surface	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'
Analyte	Method	Date	9/3/20	9/3/20	9/3/20	9/3/20
			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		336	4400	736	224
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		153	<10.0	n/a	n/a
EXT DRO	TPH 8015M		45.8	<10.0	n/a	n/a

Laboratory Analytical Results Summary
Oxy, Cedar Canyon 22 Central Satellite (6-13-2020)

		Sample ID	SP8 @ Surface	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'	SP8 @ 4'
Analyte	Method	Date	9/3/20	9/3/20	9/3/20	9/3/20	9/3/20
			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		96.0	2480	1300	512	144
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		133	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		42.2	<10.0	n/a	n/a	n/a

		Sample ID	SP9 @ Surface	SP9 @ 1'	SP9 @ 2'	SP9 @ 3'
Analyte	Method	Date	9/3/20	9/3/20	9/3/20	9/3/20
			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		31200	3200	320	96.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a



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

September 18, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON 22 CENTRAL SATELLITE

Enclosed are the results of analyses for samples received by the laboratory on 09/14/20 12:15.

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 style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: NORTH @ SURFACE (H002428-01)

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	09/14/2020	ND	1.98	99.1	2.00	5.50		
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63		
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50		
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35		
Total BTEX	<0.300	0.300	09/14/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 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	240	16.0	09/15/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	165	82.5	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	171	85.3	200	8.54	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: EAST @ SURFACE (H002428-02)

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	09/14/2020	ND	1.98	99.1	2.00	5.50		
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63		
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50		
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35		
Total BTX	<0.300	0.300	09/14/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 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	09/15/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	165	82.5	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	171	85.3	200	8.54	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 91.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: WEST @ SURFACE (H002428-03)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/14/2020	ND	1.98	99.1	2.00	5.50		
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63		
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50		
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35		
Total BTX	<0.300	0.300	09/14/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	09/15/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	165	82.5	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	171	85.3	200	8.54	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.6 % 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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SOUTH @ SURFACE (H002428-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/14/2020	ND	1.98	99.1	2.00	5.50		
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63		
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50		
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35		
Total BTEx	<0.300	0.300	09/14/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	09/15/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	165	82.5	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	171	85.3	200	8.54	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 96.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H002428-05)

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	09/14/2020	ND	1.98	99.1	2.00	5.50	
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63	
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50	
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35	
Total BTX	<0.300	0.300	09/14/2020	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	80.0	16.0	09/15/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	165	82.5	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	171	85.3	200	8.54	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.7 % 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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 1' (H002428-06)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/14/2020	ND	1.98	99.1	2.00	5.50		
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63		
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50		
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35		
Total BTX	<0.300	0.300	09/14/2020	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	48.0	16.0	09/15/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	165	82.5	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	171	85.3	200	8.54	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 90.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 2' (H002428-07)

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	09/15/2020	ND	416	104	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H002428-08)

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	09/14/2020	ND	1.98	99.1	2.00	5.50		
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63		
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50		
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35		
Total BTEx	<0.300	0.300	09/14/2020	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	32.0	16.0	09/15/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	165	82.5	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	171	85.3	200	8.54	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 99.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 1' (H002428-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/14/2020	ND	1.98	99.1	2.00	5.50		
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63		
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50		
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35		
Total BTEx	<0.300	0.300	09/14/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	16.0	16.0	09/15/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	165	82.5	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	171	85.3	200	8.54	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 96.1 % 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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 2' (H002428-10)

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	09/15/2020	ND	416	104	400	3.77		

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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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H002428-11)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2020	ND	1.98	99.1	2.00	5.50	
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63	
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50	
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35	
Total BTX	<0.300	0.300	09/14/2020	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	112	16.0	09/15/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	165	82.5	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	171	85.3	200	8.54	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 93.1 % 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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 1' (H002428-12)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/14/2020	ND	1.98	99.1	2.00	5.50		
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63		
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50		
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35		
Total BTX	<0.300	0.300	09/14/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6260	16.0	09/15/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	165	82.5	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	171	85.3	200	8.54	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 112 % 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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 2' (H002428-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	09/15/2020	ND	416	104	400	3.77		

Sample ID: SP 3 @ 3' (H002428-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	09/15/2020	ND	416	104	400	3.77	

Sample ID: SP 3 @ 4' (H002428-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/15/2020	ND	416	104	400	3.77	

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Analytical Results For:

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Received:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ SURFACE (H002428-16)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2020	ND	1.98	99.1	2.00	5.50	
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63	
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50	
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35	
Total BTX	<0.300	0.300	09/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	64.0	16.0	09/15/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	165	82.5	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	171	85.3	200	8.54	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 109 % 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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 1' (H002428-17)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/14/2020	ND	1.98	99.1	2.00	5.50		
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63		
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50		
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35		
Total BTX	<0.300	0.300	09/14/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	3480	16.0	09/15/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	165	82.5	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	171	85.3	200	8.54	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 2' (H002428-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	09/15/2020	ND	416	104	400	3.77		

Sample ID: SP 4 @ 3' (H002428-19)

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	09/15/2020	ND	416	104	400	3.77		

Sample ID: SP 4 @ 4' (H002428-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/15/2020	ND	416	104	400	3.77		

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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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ SURFACE (H002428-21)

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	09/14/2020	ND	1.98	99.1	2.00	5.50	
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63	
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50	
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35	
Total BTX	<0.300	0.300	09/14/2020	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	64.0	16.0	09/15/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	10.2	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.4 % 42.2-156

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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ 1' (H002428-22)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/14/2020	ND	1.98	99.1	2.00	5.50		
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63		
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50		
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35		
Total BTX	<0.300	0.300	09/14/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	4000	16.0	09/15/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 112 % 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:	09/14/2020	Sampling Date:	09/03/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ 2' (H002428-23)

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	09/14/2020	ND	1.98	99.1	2.00	5.50		
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63		
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50		
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35		
Total BTEX	<0.300	0.300	09/14/2020	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	320	16.0	09/15/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 109 % 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:	09/14/2020	Sampling Date:	09/04/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ 3' (H002428-24)

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	09/15/2020	ND	416	104	400	3.77	

Sample ID: SP 5 @ 4' (H002428-25)

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	09/15/2020	ND	416	104	400	3.77	

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Analytical Results For:

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Received:	09/14/2020	Sampling Date:	09/04/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 6 @ SURFACE (H002428-26)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/14/2020	ND	1.98	99.1	2.00	5.50		
Toluene*	<0.050	0.050	09/14/2020	ND	2.00	100	2.00	5.63		
Ethylbenzene*	<0.050	0.050	09/14/2020	ND	1.99	99.5	2.00	5.50		
Total Xylenes*	<0.150	0.150	09/14/2020	ND	5.74	95.7	6.00	5.35		
Total BTEx	<0.300	0.300	09/14/2020	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	26800	16.0	09/15/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/04/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 6 @ 1' (H002428-27)

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	09/15/2020	ND	1.94	96.8	2.00	4.99	
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87	
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37	
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20	
Total BTX	<0.300	0.300	09/15/2020	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	4400	16.0	09/15/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 97.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 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:	09/14/2020	Sampling Date:	09/04/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 6 @ 2' (H002428-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	09/15/2020	ND	416	104	400	3.77		

Sample ID: SP 6 @ 3' (H002428-29)

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	09/15/2020	ND	416	104	400	3.77	

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Received:	09/14/2020	Sampling Date:	09/04/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 7 @ SURFACE (H002428-30)

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	09/15/2020	ND	1.94	96.8	2.00	4.99		
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37		
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20		
Total BTEx	<0.300	0.300	09/15/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	336	16.0	09/15/2020	ND	416	104	400	3.92	QR-03	

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	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	153	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	45.8	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 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:	09/14/2020	Sampling Date:	09/04/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 7 @ 1' (H002428-31)

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	09/15/2020	ND	1.94	96.8	2.00	4.99		
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37		
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20		
Total BTEx	<0.300	0.300	09/15/2020	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	4400	16.0	09/15/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 99.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 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:	09/14/2020	Sampling Date:	09/04/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 7 @ 2' (H002428-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	09/15/2020	ND	416	104	400	3.92		

Sample ID: SP 7 @ 3' (H002428-33)

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	09/15/2020	ND	416	104	400	3.92	

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Received:	09/14/2020	Sampling Date:	09/04/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 8 @ SURFACE (H002428-34)

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	09/15/2020	ND	1.94	96.8	2.00	4.99	
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87	
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37	
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20	
Total BTX	<0.300	0.300	09/15/2020	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	96.0	16.0	09/15/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	133	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	42.2	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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

Received:	09/14/2020	Sampling Date:	09/04/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 8 @ 1' (H002428-35)

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	09/15/2020	ND	1.94	96.8	2.00	4.99		
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37		
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20		
Total BTEx	<0.300	0.300	09/15/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	2480	16.0	09/15/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/04/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 8 @ 2' (H002428-36)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	09/15/2020	ND	416	104	400	3.92		

Sample ID: SP 8 @ 3' (H002428-37)

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	09/15/2020	ND	416	104	400	3.92	

Sample ID: SP 8 @ 4' (H002428-38)

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	09/15/2020	ND	416	104	400	3.92		

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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:	09/14/2020	Sampling Date:	09/04/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 9 @ SURFACE (H002428-39)

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	09/15/2020	ND	1.94	96.8	2.00	4.99		
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37		
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20		
Total BTEx	<0.300	0.300	09/15/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	31200	16.0	09/15/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 98.6 % 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:	09/14/2020	Sampling Date:	09/04/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 9 @ 1' (H002428-40)

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	09/15/2020	ND	1.94	96.8	2.00	4.99		
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37		
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20		
Total BTX	<0.300	0.300	09/15/2020	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	3200	16.0	09/15/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 91.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.6 % 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:	09/14/2020	Sampling Date:	09/04/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 22 CENTRAL SATELLITE	Sampling Condition:	Cool & Intact
Project Number:	(6-13-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 9 @ 2' (H002428-41)

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	09/15/2020	ND	416	104	400	3.92		

Sample ID: SP 9 @ 3' (H002428-42)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/15/2020	ND	416	104	400	3.92	

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

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101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(1 of 5)

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 22 Central Satellite (6-13-20)				State: Zip:																					
Project Location: LEA COUNTY, NM				Phone #:																					
Sampler Name: Simon Rendon				Fax #:																					
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(GRAB OR C/COMP.)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH	EXT							
4002428	1 North @ Surface	G	1			1					1		9/3/20	9:45 AM	✓	✓	✓								
2	East @ Surface												9/3/20	9:58 AM	✓	✓	✓								
3	West @ Surface												9/3/20	10:22 AM	✓	✓	✓								
4	South @ Surface												9/3/20	10:37 AM	✓	✓	✓								
5	SP1 @ Surface												9/3/20	10:55 AM	✓	✓	✓								
6	SP1 @ 1'												9/3/20	11:12 AM	✓	✓	✓								
7	SP1 @ 2'												9/3/20	11:24 AM	✓										
8	SP2 @ Surface												9/3/20	11:38 AM	✓	✓	✓								
9	SP2 @ 1'												9/3/20	11:47 AM	✓	✓	✓								
10	SP2 @ 2'												9/3/20	12:05 PM	✓										

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Relinquished By:	Date: 9-14-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 12:15		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: 4.10 #113	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) T.O.		

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**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 5

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 22 Central Satellite (6-13-20)				State: Zip:																			
Project Location: LEA COUNTY, NM				Phone #:																			
Sampler Name: Simon Rendon				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING		CL	BTEX	TPH	EXT									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME									
4002428																							
11	SP3 @ Surface	G	1			1					1		9/3/20	12:46 PM	✓	✓	✓						
12	SP3 @ 1'												9/3/20	1:02 PM	✓	✓	✓						
13	SP3 @ 2'												9/3/20	1:14 PM	✓								
14	SP3 @ 3'												9/3/20	1:23 PM	✓								
15	SP3 @ 4'												9/3/20	1:35 PM	✓								
16	SP4 @ Surface												9/3/20	1:43 PM	✓	✓	✓						
17	SP4 @ 1'												9/3/20	1:55 PM	✓	✓	✓						
18	SP4 @ 2'												9/3/20	2:07 PM	✓								
19	SP4 @ 3'												9/3/20	2:16 PM	✓								
20	SP4 @ 4'												9/3/20	2:29 PM	✓								

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Relinquished By:	Date: 9-14-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 12:15		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool Intact	(Initials)		
4.1c #113	<input type="checkbox"/> Yes <input type="checkbox"/> No	T.O.		

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

**CARDINAL LABORATORIES**

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(3 of 5)

Company Name: 9:3				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 22 Central Satellite (6-13-20)				State: Zip:																		
Project Location: LEA COUNTY, NM				Phone #:																		
Sampler Name: Simon Rendon				Fax #:																		
FOR LAB USE ONLY																						
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING												
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH	EXT				
H002428																						
21 SP5 @ Surface				G	1								9/3/20	2:38 PM	✓	✓	✓					
22 SP5 @ 1'													9/3/20	2:49 PM	✓	✓	✓					
23 SP5 @ 2'													9/3/20	3:03 PM	✓	✓	✓					
24 SP5 @ 3'													9/4/20	9:35 AM	✓							
25 SP5 @ 4'													9/4/20	9:48 AM	✓							
26 SP6 @ Surface													9/4/20	10:07 AM	✓	✓	✓					
27 SP6 @ 1'													9/4/20	10:36 AM	✓	✓	✓					
28 SP6 @ 2'													9/4/20	10:50 AM	✓							
29 SP6 @ 3'													9/4/20	11:05 AM	✓							
30 SP7 @ Surface				✓						✓			9/4/20	11:20 AM	✓	✓	✓					

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Relinquished By:	Date: 9-14-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1215		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)		Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: 4.1c #113		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	T.O.	

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(H065)

Company Name: 9:3				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 22 Central Satellite (6-13-20)				State: Zip:																			
Project Location: LEA COUNTY, NM				Phone #:																			
Sampler Name: Simon Rendon				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING													
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME		CL BTEX TPH EXT											
H002428				G 1						9/4/20 11:32 AM													
31 SP7@ 1'										9/4/20 11:47 AM													
32 SP7@ 2'										9/4/20 12:03 PM													
33 SP7@ 3'										9/4/20 12:45 PM													
34 SP8 @ Surface										9/4/20 1:03 PM													
35 SP8 @ 1'										9/4/20 1:14 PM													
36 SP8 @ 2'										9/4/20 1:28 PM													
37 SP8 @ 3'										9/4/20 1:39 PM													
38 SP8 @ 4'										9/4/20 1:55 PM													
39 SP9 @ Surface										9/4/20 2:12 PM													
40 SP9 @ 1'																							
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																							
Relinquished By:				Date: 9/4/20		Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:									
Time: 12:15						Time: 12:15				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:									
Relinquished By:				Date:		Received By:				REMARKS:													
Time:																							
Delivered By: (Circle One)						Sample Condition				CHECKED BY:													
Sampler - UPS - Bus - Other:						Cool Intact				(Initials)													
4.1c #113						<input type="checkbox"/> Yes <input type="checkbox"/> No				J.S.													

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



101 East Marland, Hobbs, NM 88240



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(585)

[illegible]

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Relinquished By: 		Date: 4-14-20		Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 12:15						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)				Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:				Cool Intact		(Initials)	
4.1c #113				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No		T.O.	

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

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 17395

CONDITIONS OF APPROVAL

Operator:				OGRID:		Action Number:	Action Type:
	OXY USA INC	P.O. Box 4294	Houston, TX772104294		16696	17395	C-141

OCD Reviewer	Condition
chensley	When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less.
chensley	Samples are representative of more than 200 square feet. Please collect more confirmation samples, representing no more than 200 square feet, unless OXY chooses to provide a sampling plan for approval prior to conduction additional sampling.