



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

DELINEATION/REMEDATION WORKPLAN

OXY – NORTH CORRIDOR WTR POLISHING

(Leak Date: 8/18/20)

Incident Reference #: NRM2024827513

This delineation workplan and remediation proposal addresses the releases associated with Incident Reference #: NRM2024827513.

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 – SP8, SP12 - SP14, and SP17 – SP19 (blue shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP10, SP11, SP16, and SP20 (orange shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP9 and SP15 (purple shade on diagram) will be excavated to a depth of 3 feet.

OXY will collect sidewall and confirmation samples every 400 square feet. The estimated amount of soil to be excavated is 1,110 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	NRM2024827513
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?	437 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input 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	NRM2024827513
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 DittrichTitle: Environmental CoordinatorSignature: Date: 8-31-2020email: wade_dittrich@oxy.comTelephone: (575) 390-2828**OCD Only**

Received by: _____

Date: _____

Form C-141

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State of New Mexico
Oil Conservation Division

Incident ID	NRM2024827513
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Facility ID	
Application ID	


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

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 8-31-2020
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD OnlyReceived by: Chad Hensley Date: 03/24/2021

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

Signature:  Date: 03/24/2021

Oxy North Corridor WTR Polishing

Leak Date: 8-18-20
Eddy County, NM
Incident ID: NRM2024827513

Legend

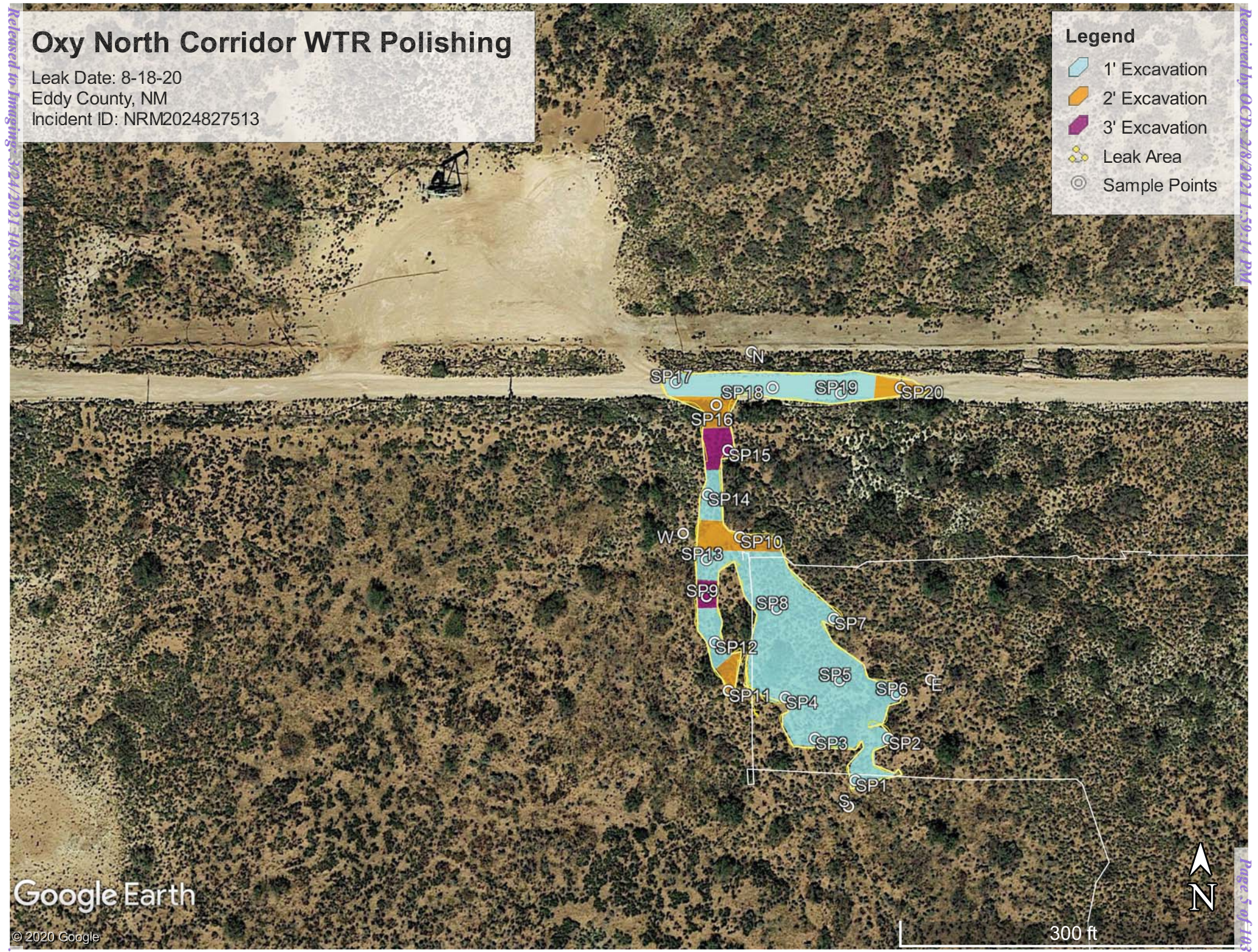
1' Excavation

2' Excavation

3' Excavation

Leak Area

Sample Points



Oxy, N Corridor WTR Polishing (8-18-20)

Sample points

SP1, N 32.24682 W-103.78807
SP2, N 32.24692 W-103.78798
SP3, N 32.24692 W-103.78819
SP4, N 32.24701 W-103.78827
SP5, N 32.24706 W-103.78812
SP6, N 32.24702 W-103.78796
SP7, N 32.24720 W-103.78813
SP8, N 32.24723 W-103.78829
SP9, N 32.24725 W-103.78849
SP10, N 32.24740 W-103.78840
SP11, N 32.24703 W-103.78843
SP12, N 32.24715 W-103.78847
SP13, N 32.24734 W-103.78849
SP14, N 32.24750 W-103.78849
SP15, N 32.24760 W-103.78843
SP16, N 32.24771 W-103.78846
SP17, N 32.24776 W-103.78858
SP18, N 32.24775 W-103.78831
SP19, N 32.24774 W-103.78811
SP20, N 32.24775 W-103.78795
NORTH, N 32.24783 W-103.78836
EAST, N 32.24706 W-103.78786
WEST, N 32.24740 W-103.78856
SOUTH, N 32.24676 W-103.78809



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater
Geographic Area: New Mexico
GO

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321421103464901

Minimum number of levels = 1

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

USGS 321421103464901 24S.31E.04.433422

Eddy County, New Mexico

Latitude 32°14'23.7", Longitude 103°46'47.8" NAD83

Land-surface elevation 3,419.00 feet above NGVD29

The depth of the well is 627 feet below land surface.

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
1959-03-13		D	424.60			2		U		
2013-01-16	17:30 MST	m	437.47			2	P	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Status	P	Site was being pumped.
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	R	Reported by person other than the owner, driller, or another government agency.

Section	Code	Description
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

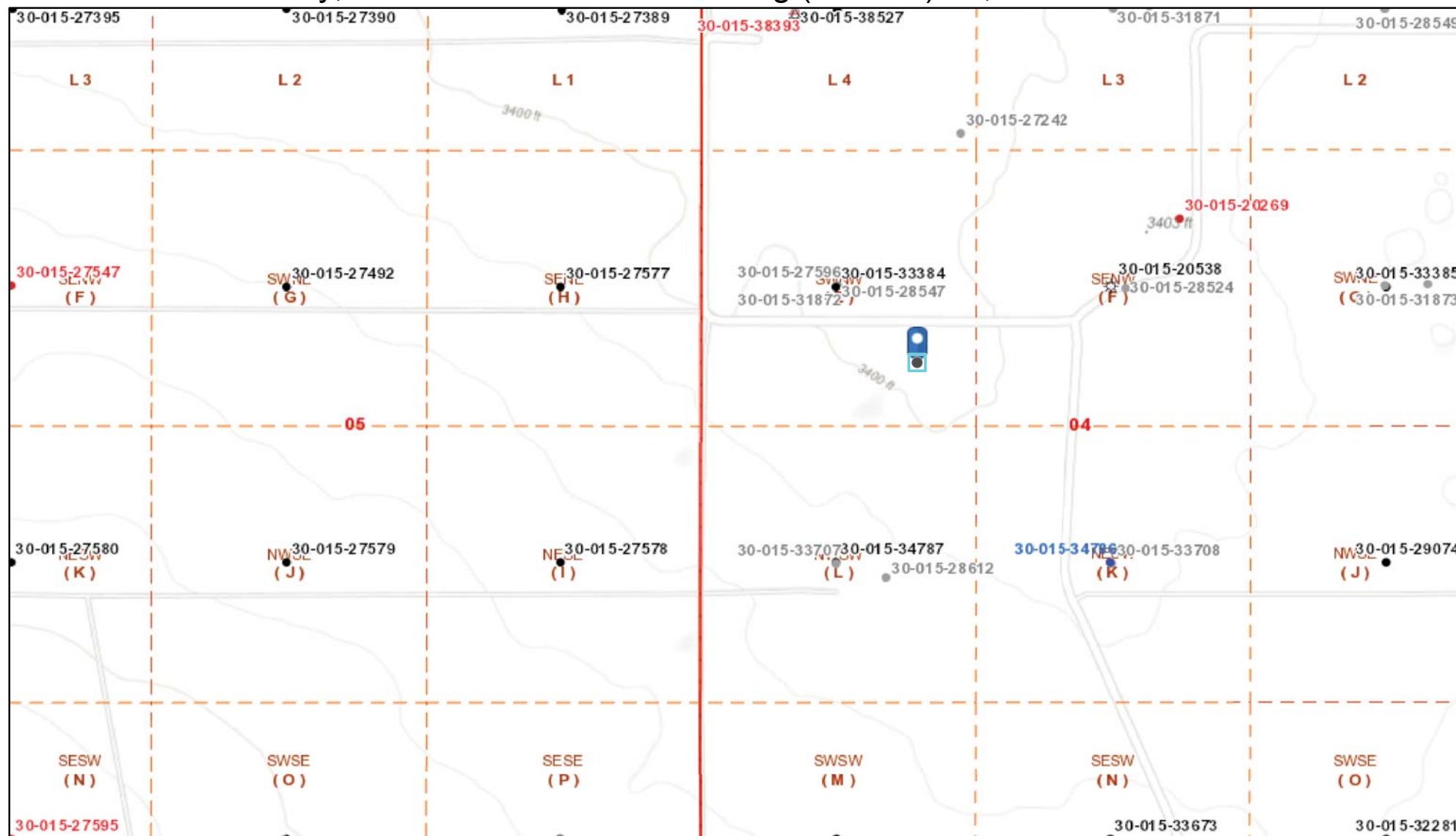
[Questions about sites/data?](#)
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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2020-08-27 12:01:41 EDT
0.3 0.27 nadww01

Oxy, North Corridor WTR Polishing (8-18-20) +3,000 ft to h2o



8/27/2020, 9:18:35 AM

Wells - Large Scale

? undefined

● Miscellaneous

✱ CO2, Active

✱ CO2, Cancelled

✱ CO2, New

✱ CO2, Plugged

✱ CO2, Temporarily Abandoned

✱ Gas, Active

✱ Gas, Cancelled

✱ Gas, New

✱ Gas, Plugged

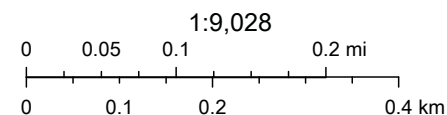
✱ Gas, Temporarily Abandoned

✱ Injection, Active

✱ Injection, Cancelled

✱ Injection, New

✱ Injection, 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, Esri China (Hong Kong), (c)

New Mexico Oil Conservation Division


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


N. Corridor WTR Polishing


Leak Date: 8-18-2020
Eddy County, NM

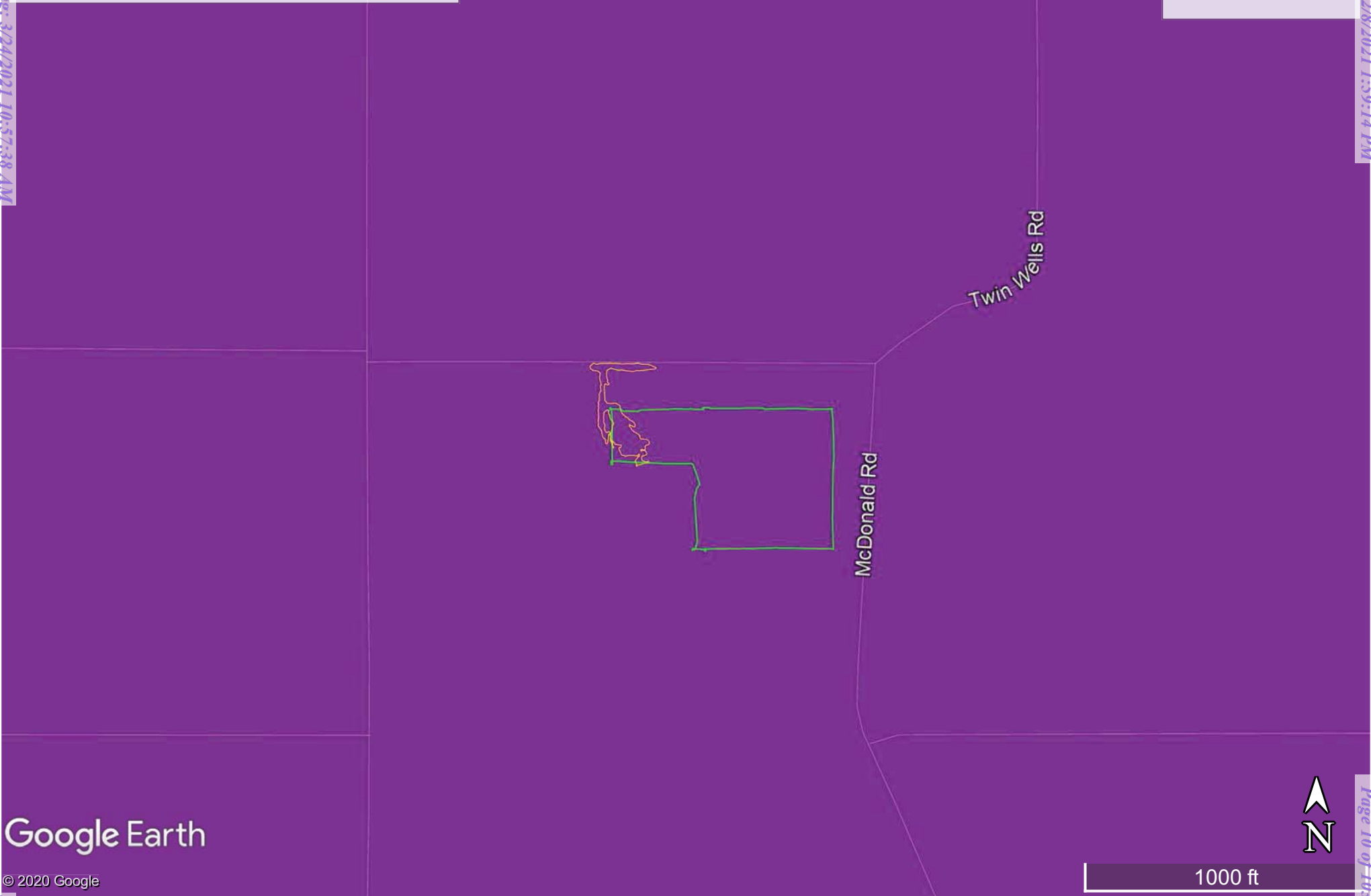
BLM CAVE KARST MAP

Legend

 Leak Area

 Location Pad

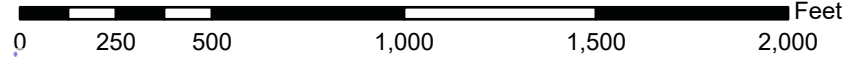
 Low Potential



National Flood Hazard Layer FIRMette



103°47'35"W 32°15'5"N



1:6,000

103°46'58"W 32°14'35"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 8/27/2020 at 11:05 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 3/21/2021 10:57:38 AM

Received by OCD: 2/8/2021 1:59:14 PM

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Laboratory Analytical Results Summary
Oxy, N. Corridor WTR Polishing (8-18-20)

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	9/21/20	9/21/20	9/21/20	9/21/20
			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		80.0	16.0	64.0	80.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'	SP1 @ 6'	SP1 @ 8'	SP1 @ 10'	SP1 @ 12'	SP1 @ 14'	SP1 @ 15'
Analyte	Method	Date	9/21/20	9/21/20	9/21/20	9/21/20	9/21/20	9/21/20	9/21/20	9/21/20	9/21/20	9/28/20	9/28/20	9/28/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		52000	3640	3960	8560	7460	6930	6130	8000	6930	3600	448	272
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		67.4	<10.0	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		35.9	<10.0	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 6'	SP2 @ 7'	SP2 @ 8'
Analyte	Method	Date	9/21/20	9/21/20	9/21/20	9/21/20	9/21/20	9/21/20	9/21/20	9/21/20	9/21/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		36000	6400	5600	6240	8080	6640	816	64.0	80.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		37.7	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		13.2	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	9/23/20	9/23/20	9/23/20	9/23/20	9/23/20	9/23/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		56000	5330	3680	1020	192	64.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		1370	<10.0	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		425	<10.0	<10.0	n/a	n/a	n/a

Laboratory Analytical Results Summary
Oxy, N. Corridor WTR Polishing (8-18-20)

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	9/23/20	9/23/20	9/23/20	9/23/20
			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		38400	304	144	80.0
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

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	9/23/20	9/23/20	9/23/20
			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		64000	400	48.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		42.5	<10.0	n/a
EXT DRO	TPH 8015M		14.1	<10.0	n/a

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	9/23/20	9/23/20	9/23/20
			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		144000	96.0	48.0
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	SP7 @ Surface	SP7 @ 1'	SP7 @ 2'
Analyte	Method	Date	9/23/20	9/23/20	9/23/20
			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	32.0	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

Laboratory Analytical Results Summary
Oxy, N. Corridor WTR Polishing (8-18-20)

		Sample ID	SP8 @ Surface	SP8 @ 1'	SP8 @ 2'
Analyte	Method	Date	9/23/20	9/23/20	9/23/20
			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		160000	240	64.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		76.3	<10.0	n/a
EXT DRO	TPH 8015M		18.8	<10.0	n/a

		Sample ID	SP9 @ Surface	SP9 @ 1'	SP9 @ 2'	SP9 @ 3'	SP9 @ 4'
Analyte	Method	Date	9/23/20	9/23/20	9/23/20	9/23/20	9/23/20
			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		8260	3320	2080	80.0	32.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		35.2	<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a

		Sample ID	SP10 @ Surface	SP10 @ 1'	SP10 @ 2'	SP10 @ 3'	SP10 @ 4'
Analyte	Method	Date	9/24/20	9/24/20	9/24/20	9/24/20	9/24/20
			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		42400	1220	272	272	48.0
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	SP11 @ Surface	SP11 @ 1'	SP11 @ 2'
Analyte	Method	Date	9/24/20	9/24/20	9/24/20
			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		14600	2960	112
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		268	<10.0	n/a
EXT DRO	TPH 8015M		96.3	<10.0	n/a

Laboratory Analytical Results Summary
Oxy, N. Corridor WTR Polishing (8-18-20)

		Sample ID	SP12 @ Surface	SP12 @ 1'	SP12 @ 2'
Analyte	Method	Date	9/24/20	9/24/20	9/24/20
			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		44000	48.0	80.0
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	SP13 @ Surface	SP13 @ 1'	SP13 @ 2'
Analyte	Method	Date	9/24/20	9/24/20	9/24/20
			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		51200	64.0	48.0
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	SP14 @ Surface	SP14 @ 1'	SP14 @ 2'
Analyte	Method	Date	9/24/20	9/24/20	9/24/20
			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		74400	576	64.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		66.4	<10.0	n/a
EXT DRO	TPH 8015M		27.2	<10.0	n/a

		Sample ID	SP15 @ Surface	SP15 @ 1'	SP15 @ 2'	SP15 @ 3'	SP15 @ 4'
Analyte	Method	Date	9/24/20	9/24/20	9/24/20	9/24/20	9/24/20
			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		10800	5120	1880	112	48.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		220	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		90.5	<10.0	n/a	n/a	n/a

Laboratory Analytical Results Summary
Oxy, N. Corridor WTR Polishing (8-18-20)

		Sample ID	SP16 @ Surface	SP16 @ 1'	SP16 @ 2'	SP16 @ 3'	SP16 @ 4'
Analyte	Method	Date	9/24/20	9/24/20	9/24/20	9/24/20	9/24/20
			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		52000	5120	384	224	112.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		106	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		23.9	<10.0	n/a	n/a	n/a

		Sample ID	SP17 @ Surface	SP17 @ 1'	SP17 @ 2'
Analyte	Method	Date	9/24/20	9/24/20	9/24/20
			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		752	112	17.0
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	SP18 @ Surface	SP18 @ 1'	SP18 @ 2'
Analyte	Method	Date	9/24/20	9/24/20	9/24/20
			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		3040	272	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	SP19 @ Surface	SP19 @ 1'	SP19 @ 2'
Analyte	Method	Date	9/24/20	9/24/20	9/24/20
			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		14200	304	64.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		17.5	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

Laboratory Analytical Results Summary
Oxy, N. Corridor WTR Polishing (8-18-20)

		Sample ID	SP20 @ Surface	SP20 @ 1'	SP20 @ 2'	SP20 @ 3'
Analyte	Method	Date	9/28/20	9/28/20	9/28/20	9/28/20
			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		56000	4400	288	48.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		101	<10.0	n/a	n/a
EXT DRO	TPH 8015M		24.5	<10.0	n/a	n/a



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

October 01, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NORTH CORRIDOR WTR POLISHING

Enclosed are the results of analyses for samples received by the laboratory on 09/29/20 15:30.

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



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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:	09/29/2020	Sampling Date:	09/21/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: NORTH @ SURFACE (H002575-01)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTEX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/30/2020	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	09/30/2020	ND	189	94.3	200	0.997	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	191	95.6	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 124 % 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:	09/29/2020	Sampling Date:	09/21/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: EAST@ SURFACE (H002575-02)

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	09/30/2020	ND	1.94	97.0	2.00	9.32	
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83	
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64	
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34	
Total BTX	<0.300	0.300	09/30/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/30/2020	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	09/30/2020	ND	189	94.3	200	0.997	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	191	95.6	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 112 % 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:	09/29/2020	Sampling Date:	09/21/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: WEST @ SURFACE (H002575-03)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTEX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/30/2020	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	09/30/2020	ND	189	94.3	200	0.997	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	191	95.6	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-144

Surrogate: 1-Chlorooctadecane 129 % 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:	09/29/2020	Sampling Date:	09/21/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SOUTH @ SURFACE (H002575-04)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTEX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/30/2020	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	09/30/2020	ND	189	94.3	200	0.997	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	191	95.6	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 105 % 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:	09/29/2020	Sampling Date:	09/21/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ SURFACE (H002575-05)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	52000	16.0	09/30/2020	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	09/30/2020	ND	189	94.3	200	0.997	
DRO >C10-C28*	67.4	10.0	09/30/2020	ND	191	95.6	200	0.571	
EXT DRO >C28-C36	35.9	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 95.6 % 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:	09/29/2020	Sampling Date:	09/21/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 1' (H002575-06)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	09/30/2020	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	09/30/2020	ND	189	94.3	200	0.997	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	191	95.6	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 98.9 % 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:	09/29/2020	Sampling Date:	09/21/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 2' (H002575-07)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3960	16.0	09/30/2020	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	09/30/2020	ND	189	94.3	200	0.997	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	191	95.6	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 99.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 110 % 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:	09/29/2020	Sampling Date:	09/21/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 3' (H002575-08)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8560	16.0	09/30/2020	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	09/30/2020	ND	189	94.3	200	0.997	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	191	95.6	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 127 % 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:	09/29/2020	Sampling Date:	09/21/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 4' (H002575-09)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7460	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 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:	09/29/2020	Sampling Date:	09/21/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 5' (H002575-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	09/30/2020	ND	400	100	400	3.92	

Sample ID: SP 1 @ 6' (H002575-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6130	16.0	09/30/2020	ND	400	100	400	3.92	

Sample ID: SP 1 @ 8' (H002575-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	09/30/2020	ND	400	100	400	3.92	

Sample ID: SP 1 @ 10' (H002575-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	09/30/2020	ND	400	100	400	3.92	

Sample ID: SP 1 @ 12' (H002575-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	09/30/2020	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:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 14' (H002575-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	09/30/2020	ND	400	100	400	3.92		

Sample ID: SP 1 @ 15' (H002575-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/30/2020	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:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ SURFACE (H002575-17)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	36000	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	37.7	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	13.2	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.3 % 42.2-156

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Analytical Results For:

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

Received:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 1' (H002575-18)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTEX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	6400	16.0	09/30/2020	ND	416	104	400	0.00	QM-07	

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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 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:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 2' (H002575-19)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTEX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	5600	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 97.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.4 % 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:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 3' (H002575-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6240	16.0	09/30/2020	ND	416	104	400	0.00		

Sample ID: SP 2 @ 4' (H002575-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8080	16.0	09/30/2020	ND	416	104	400	0.00	

Sample ID: SP 2 @ 5' (H002575-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6640	16.0	09/30/2020	ND	416	104	400	0.00		

Sample ID: SP 2 @ 6' (H002575-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	09/30/2020	ND	416	104	400	0.00		

Sample ID: SP 2 @ 7' (H002575-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/30/2020	ND	416	104	400	0.00	

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Analytical Results For:

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

Received:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 8' (H002575-25)

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	09/30/2020	ND	416	104	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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ SURFACE (H002575-26)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTEX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	56000	16.0	09/30/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/30/2020	ND	186	92.8	200	6.13		
DRO >C10-C28*	1370	10.0	09/30/2020	ND	196	97.9	200	5.01		
EXT DRO >C28-C36	425	10.0	09/30/2020	ND						

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 162 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 1' (H002575-27)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	5330	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.9 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 2' (H002575-28)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	3680	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 103 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 3' (H002575-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	09/30/2020	ND	416	104	400	0.00	

Sample ID: SP 3 @ 4' (H002575-30)

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	09/30/2020	ND	416	104	400	0.00	

Sample ID: SP 3 @ 5' (H002575-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/30/2020	ND	416	104	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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ SURFACE (H002575-32)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	38400	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 110 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ 1' (H002575-33)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	304	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.1 % 42.2-156

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Analytical Results For:

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

Received:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ 2' (H002575-34)

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	09/30/2020	ND	416	104	400	0.00	

Sample ID: SP 4 @ 3' (H002575-35)

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	09/30/2020	ND	416	104	400	0.00	

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Analytical Results For:

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

Received:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 5 @ SURFACE (H002575-36)

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	09/30/2020	ND	1.94	97.0	2.00	9.32		
Toluene*	<0.050	0.050	09/30/2020	ND	1.98	99.0	2.00	8.83		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	1.95	97.7	2.00	8.64		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.10	102	6.00	8.34		
Total BTEx	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	64000	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	42.5	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	14.1	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.4 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 5 @ 1' (H002575-37)

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	09/30/2020	ND	2.05	102	2.00	8.36	
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26	
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52	
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88	
Total BTX	<0.300	0.300	09/30/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	400	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.0 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 5 @ 2' (H002575-38)

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	09/30/2020	ND	416	104	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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 6 @ SURFACE (H002575-39)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTEx	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	144000	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 99.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.8 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 6 @ 1' (H002575-40)

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	09/30/2020	ND	2.05	102	2.00	8.36	
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26	
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52	
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88	
Total BTX	<0.300	0.300	09/30/2020	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	96.0	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.0 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 6 @ 2' (H002575-41)

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	09/30/2020	ND	416	104	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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 7 @ SURFACE (H002575-42)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTEx	<0.300	0.300	09/30/2020	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	32.0	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.4 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 7 @ 1' (H002575-43)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTEX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.7 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 7 @ 2' (H002575-44)

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	09/30/2020	ND	416	104	400	0.00	

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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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 8 @ SURFACE (H002575-45)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTEx	<0.300	0.300	09/30/2020	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	160000	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	76.3	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	18.8	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 95.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.8 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 8 @ 1' (H002575-46)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 107 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 8 @ 2' (H002575-47)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/30/2020	ND	416	104	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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 9 @ SURFACE (H002575-48)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTEx	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	8260	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	35.2	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 9 @ 1' (H002575-49)

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	09/30/2020	ND	2.05	102	2.00	8.36	
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26	
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52	
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88	
Total BTX	<0.300	0.300	09/30/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	3320	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.5 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 9 @ 2' (H002575-50)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTX	<0.300	0.300	09/30/2020	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	2080	16.0	09/30/2020	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	09/30/2020	ND	186	92.8	200	6.13	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	196	97.9	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.9 % 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:	09/29/2020	Sampling Date:	09/23/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 9 @ 3' (H002575-51)

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	09/30/2020	ND	416	104	400	0.00		

Sample ID: SP 9 @ 4' (H002575-52)

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	09/30/2020	ND	416	104	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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 10 @ SURFACE (H002575-53)

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	09/30/2020	ND	2.05	102	2.00	8.36	
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26	
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52	
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88	
Total BTX	<0.300	0.300	09/30/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	42400	16.0	09/30/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 10 @ 1' (H002575-54)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTEx	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	1220	16.0	09/30/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 107 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 10 @ 2' (H002575-55)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/30/2020	ND	416	104	400	0.00	

Sample ID: SP 10 @ 3' (H002575-56)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/30/2020	ND	416	104	400	0.00	

Sample ID: SP 10 @ 4' (H002575-57)

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	09/30/2020	ND	416	104	400	0.00		

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Analytical Results For:

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

Received:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 11 @ SURFACE (H002575-58)

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	09/30/2020	ND	2.05	102	2.00	8.36	
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26	
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52	
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88	
Total BTX	<0.300	0.300	09/30/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	14600	16.0	10/01/2020	ND	416	104	400	0.00	QM-07	

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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	268	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	96.3	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 124 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 11 @ 1' (H002575-59)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTEx	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	2960	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 117 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 11 @ 2' (H002575-60)

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	10/01/2020	ND	416	104	400	0.00	

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

Received:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 12 @ SURFACE (H002575-61)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	44000	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 117 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 12 @ 1' (H002575-62)

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	09/30/2020	ND	2.05	102	2.00	8.36	
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26	
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52	
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88	
Total BTX	<0.300	0.300	09/30/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	48.0	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 110 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 12 @ 2' (H002575-63)

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	10/01/2020	ND	416	104	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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 13 @ SURFACE (H002575-64)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTEx	<0.300	0.300	09/30/2020	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	51200	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 118 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 13 @ 1' (H002575-65)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 114 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 13 @ 2' (H002575-66)

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	10/01/2020	ND	416	104	400	0.00		

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

Received:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 14 @ SURFACE (H002575-67)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTEx	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	74400	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	66.4	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	27.2	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 122 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 14 @ 1' (H002575-68)

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	09/30/2020	ND	2.05	102	2.00	8.36		
Toluene*	<0.050	0.050	09/30/2020	ND	1.96	98.1	2.00	9.26		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.02	101	2.00	9.52		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	5.96	99.4	6.00	8.88		
Total BTX	<0.300	0.300	09/30/2020	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	576	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 110 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 14 @ 2' (H002575-69)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/01/2020	ND	416	104	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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 15 @ SURFACE (H002575-70)

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	10/01/2020	ND	2.13	106	2.00	1.64		
Toluene*	<0.050	0.050	10/01/2020	ND	2.05	103	2.00	2.73		
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.12	106	2.00	2.00		
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.23	104	6.00	1.73		
Total BTEx	<0.300	0.300	10/01/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	10800	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	220	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	90.5	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 142 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 15 @ 1' (H002575-71)

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	09/30/2020	ND	2.13	106	2.00	1.64		
Toluene*	<0.050	0.050	09/30/2020	ND	2.05	103	2.00	2.73		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.12	106	2.00	2.00		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.23	104	6.00	1.73		
Total BTX	<0.300	0.300	09/30/2020	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	5120	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 122 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 15 @ 2' (H002575-72)

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	09/30/2020	ND	2.13	106	2.00	1.64		
Toluene*	<0.050	0.050	09/30/2020	ND	2.05	103	2.00	2.73		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.12	106	2.00	2.00		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.23	104	6.00	1.73		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	1880	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 123 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 15 @ 3' (H002575-73)

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	10/01/2020	ND	416	104	400	0.00		

Sample ID: SP 15 @ 4' (H002575-74)

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	10/01/2020	ND	416	104	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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 16 @ SURFACE (H002575-75)

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	09/30/2020	ND	2.13	106	2.00	1.64		
Toluene*	<0.050	0.050	09/30/2020	ND	2.05	103	2.00	2.73		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.12	106	2.00	2.00		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.23	104	6.00	1.73		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	52000	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	106	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	23.9	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 123 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 16 @ 1' (H002575-76)

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	09/30/2020	ND	2.13	106	2.00	1.64		
Toluene*	<0.050	0.050	09/30/2020	ND	2.05	103	2.00	2.73		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.12	106	2.00	2.00		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.23	104	6.00	1.73		
Total BTX	<0.300	0.300	09/30/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	5120	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 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:	09/29/2020	Sampling Date:	09/24/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 16 @ 2' (H002575-77)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/01/2020	ND	416	104	400	0.00	

Sample ID: SP 16 @ 3' (H002575-78)

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	10/01/2020	ND	416	104	400	0.00		

Sample ID: SP 16 @ 4' (H002575-79)

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	10/01/2020	ND	416	104	400	0.00	

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Analytical Results For:

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

Received:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 17 @ SURFACE (H002575-80)

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	09/30/2020	ND	2.13	106	2.00	1.64		
Toluene*	<0.050	0.050	09/30/2020	ND	2.05	103	2.00	2.73		
Ethylbenzene*	<0.050	0.050	09/30/2020	ND	2.12	106	2.00	2.00		
Total Xylenes*	<0.150	0.150	09/30/2020	ND	6.23	104	6.00	1.73		
Total BTX	<0.300	0.300	09/30/2020	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	49600	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	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:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 17 @ 1' (H002575-81)

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	10/01/2020	ND	2.13	106	2.00	1.64		
Toluene*	<0.050	0.050	10/01/2020	ND	2.05	103	2.00	2.73		
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.12	106	2.00	2.00		
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.23	104	6.00	1.73		
Total BTEx	<0.300	0.300	10/01/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	112	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 123 % 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:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 17 @ 2' (H002575-82)

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	10/01/2020	ND	416	104	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:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 18 @ SURFACE (H002575-83)

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	10/01/2020	ND	2.13	106	2.00	1.64		
Toluene*	<0.050	0.050	10/01/2020	ND	2.05	103	2.00	2.73		
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.12	106	2.00	2.00		
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.23	104	6.00	1.73		
Total BTEX	<0.300	0.300	10/01/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	3040	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 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:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 18 @ 1' (H002575-84)

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	10/01/2020	ND	2.13	106	2.00	1.64		
Toluene*	<0.050	0.050	10/01/2020	ND	2.05	103	2.00	2.73		
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.12	106	2.00	2.00		
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.23	104	6.00	1.73		
Total BTEx	<0.300	0.300	10/01/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	272	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	<10.0	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 94.4 % 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:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 18 @ 2' (H002575-85)

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	10/01/2020	ND	416	104	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:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 19 @ SURFACE (H002575-86)

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	10/01/2020	ND	2.13	106	2.00	1.64		
Toluene*	<0.050	0.050	10/01/2020	ND	2.05	103	2.00	2.73		
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.12	106	2.00	2.00		
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.23	104	6.00	1.73		
Total BTEx	<0.300	0.300	10/01/2020	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	14200	16.0	10/01/2020	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	09/30/2020	ND	189	94.7	200	0.700	
DRO >C10-C28*	17.5	10.0	09/30/2020	ND	198	98.8	200	0.645	
EXT DRO >C28-C36	<10.0	10.0	09/30/2020	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 118 % 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:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 19 @ 1' (H002575-87)

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	10/01/2020	ND	2.13	106	2.00	1.64		
Toluene*	<0.050	0.050	10/01/2020	ND	2.05	103	2.00	2.73		
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.12	106	2.00	2.00		
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.23	104	6.00	1.73		
Total BTEx	<0.300	0.300	10/01/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	304	16.0	10/01/2020	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	10/01/2020	ND	199	99.5	200	1.68	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	182	90.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 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:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 19 @ 2' (H002575-88)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/01/2020	ND	416	104	400	0.00		

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

Received:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 20 @ SURFACE (H002575-89)

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	10/01/2020	ND	2.13	106	2.00	1.64		
Toluene*	<0.050	0.050	10/01/2020	ND	2.05	103	2.00	2.73		
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.12	106	2.00	2.00		
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.23	104	6.00	1.73		
Total BTEx	<0.300	0.300	10/01/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	56000	16.0	10/01/2020	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	10/01/2020	ND	199	99.5	200	1.68	
DRO >C10-C28*	101	10.0	10/01/2020	ND	182	90.9	200	12.1	
EXT DRO >C28-C36	24.5	10.0	10/01/2020	ND					

Surrogate: 1-Chlorooctane 78.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.2 % 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:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 20 @ 1' (H002575-90)

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	10/01/2020	ND	2.13	106	2.00	1.64		
Toluene*	<0.050	0.050	10/01/2020	ND	2.05	103	2.00	2.73		
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.12	106	2.00	2.00		
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.23	104	6.00	1.73		
Total BTX	<0.300	0.300	10/01/2020	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	4400	16.0	10/01/2020	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	10/01/2020	ND	199	99.5	200	1.68	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	182	90.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					

Surrogate: 1-Chlorooctane 99.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/29/2020	Sampling Date:	09/28/2020
Reported:	10/01/2020	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WTR POLISHING	Sampling Condition:	Cool & Intact
Project Number:	(8-18-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 20 @ 2' (H002575-91)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/01/2020	ND	416	104	400	0.00	

Sample ID: SP 20 @ 3' (H002575-92)

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	10/01/2020	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

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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

(20410)

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Owner: Oxy Project Name: North Corridor WTR Polishing (8-18-20) Project Location: LEA COUNTY, NM Sampler Name: Simon Rendon				BILL TO P.O. #: Company: OXY Attn: WADE Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST											
FOR LAB USE ONLY Lab I.D. Sample I.D.				MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		PRESERV. DATE TIME		CL BTEX TPH EXT									
H002575 11 SP1 @ 6' 12 SP1 @ 8' 13 SP1 @ 10' 14 SP1 @ 12' 15 SP1 @ 14' 16 SP1 @ 15' 17 SP2 @ Surface 18 SP2 @ 1' 19 SP2 @ 2' 20 SP2 @ 3'				(GRAB OR (C)OMP. # CONTAINERS G I		9/21/20 11:47 AM 9/21/20 12:47 PM 9/21/20 1:21 PM 9/28/20 9:22 AM 9/28/20 10:12 AM 9/28/20 10:38 AM 9/28/20 1:34 PM 9/28/20 1:44 PM 9/28/20 1:57 PM 9/28/20 2:19 PM		✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓									

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Relinquished By: Date: 9-29-20 Time: 1:30 Relinquished By:	Received By: Date: Time: Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: - 1.6i #113		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: (Initials) J-9

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(10810)

Page 81 of 85

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(8810)

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(9810)

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Owner: Oxy Project Name: North Corridor WTR Polishing (8-18-20) Project Location: LEA COUNTY, NM Sampler Name: Simon Rendon						BILL TO P.O. #: Company: OXY Attn: WADE Address: City: State: Zip: Phone #: Fax #:						ANALYSIS REQUEST														
FOR LAB USE ONLY			(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING														
Lab I.D.	Sample I.D.				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	CL	BTEX	TPH EXT								
H002575	SP17 @ 1'	G	I											9/28/20	11:18 AM	✓	✓	✓								
82	SP17 @ 2'													9/28/20	11:32 AM	✓										
83	SP18 @ Surface													9/28/20	11:47 AM	✓	✓	✓								
84	SP18 @ 1'													9/28/20	12:03 PM	✓	✓	✓								
85	SP18 @ 2'													9/28/20	12:43 PM	✓										
86	SP19 @ Surface													9/28/20	1:07 PM	✓	✓	✓								
87	SP19 @ 1'													9/28/20	1:19 PM	✓	✓	✓								
88	SP19 @ 2'													9/28/20	1:35 PM	✓										
89	SP20 @ Surface													9/28/20	1:52 PM	✓	✓	✓								
90	SP20 @ 1'													9/28/20	2:09 PM	✓	✓	✓								

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Relinquished By: _____ <div style="margin-left: 10px;">Date: 9-29-20 Time: 1530</div>		Received By: _____ <div style="margin-left: 10px;">Date: _____ Time: _____</div>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #: _____ REMARKS:	
Delivered By: (Circle One)		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other: -1.6c #113		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		(Initials) J.T.-	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(10810)

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: North Corridor WTR Polishing (8-18-20)				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)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH	EXT								
H002575																										
91	SP20 @ 2'	G	I			I							9/28/20	11:18 AM	✓											
92	SP20 @ 3'	↓	↓			↓							9/28/20	11:32 AM	✓											

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Relinquished By:	Date: 9-29-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1530		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)		
-1.6c #113	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	T.O.		

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District I

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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 17428

CONDITIONS OF APPROVAL

Operator:	OXY USA INC	P.O. Box 4294	Houston, TX772104294	OGRID:	16696	Action Number:	17428	Action Type:	C-141
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OCD Reviewer	Condition
chensley	Samples are representative of more than 200 square feet. Please collect more samples, representing no more than 200 square feet, unless OXY chooses to provide a sampling plan for approval prior to conduction additional sampling.
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.