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DELINEATION/REMEDATION WORKPLAN

OXY – MESA VERDE WTR TREATMENT FACILITY (Leak Date: 10/3/21)

Incident Reference #: NAPP2129940931

This delineation workplan and remediation proposal addresses the releases associated with Incident Reference #: NAPP2129940931.

The following information includes:

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

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

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

The leak area near SP1 and SP7 (WHITE shade on diagram) will be excavated to a depth of 4 feet. The leak area near SP2, SP3, SP4, and SP6 (GREEN shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP5 (BLUE shade on diagram) will require zero remediation.

OXY will collect sidewall and bottom confirmation samples every 200 square feet. The estimated amount of soil to be excavated is 776 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	nAPP2129940931
District RP	
Facility ID	
Application ID	30-015-44549

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?	313 (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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

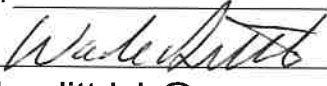
Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	nAPP2129940931
District RP	
Facility ID	
Application ID	30-015-44549

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 2-4-22
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	nAPP2129940931
District RP	
Facility ID	
Application ID	30-015-44549

Remediation Plan


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

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 2-4-22
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

MESA VERDE WTR TREATMENT FAC

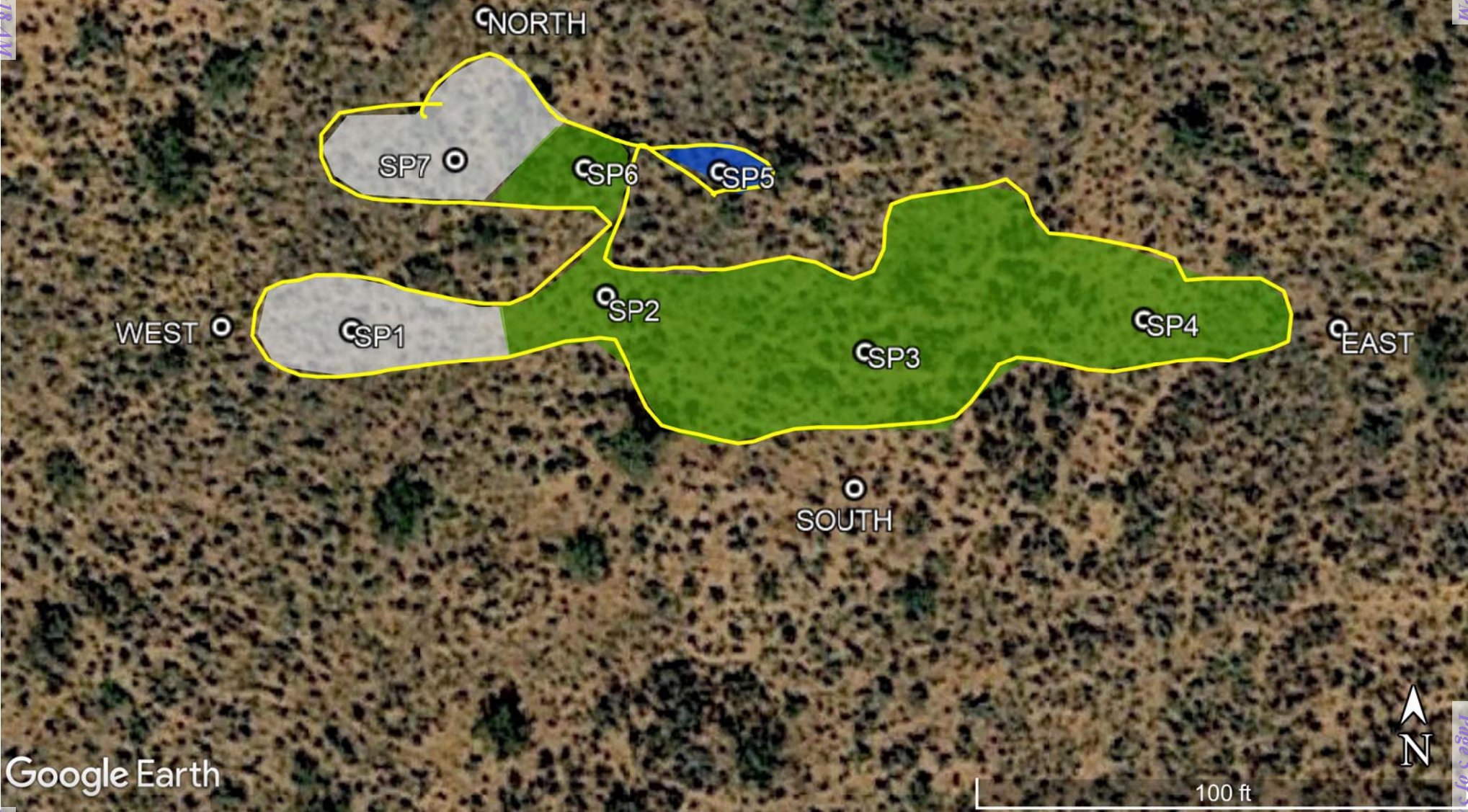
LEAK DATE 10/3/21
ID#nAPP2129940931
LEACO, NM

Legend

3FT DEPTH

4FT DEPTH

ZERO



OXY, MESA VERDE WTR

LEAK DATE:10/3/21

SAMPLE DATE: 12/8/21 & 12/9/21

NORTH	32.212004°	-103.731763°
EAST	32.211831°	-103.731202°
WEST	32.211832°	-103.731936°
SOUTH	32.211742°	-103.731520°
SP1	32.211830°	-103.731851°
SP2	32.211849°	-103.731684°
SP3	32.211818°	-103.731513°
SP4	32.211836°	-103.731330°
SP 5	32.211918°	-103.731609°
SP6	32.211920°	-103.731698°
SP7	32.211924°	-103.731782°



USGS Home
Contact USGS
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National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:


Groundwater

Geographic Area:

New Mexico

GO

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- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321005103402301

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

USGS 321005103402301 24S.32E.33.42241

Lea County, New Mexico
Latitude 32°10'21.6", Longitude 103°40'18.9" NAD83
Land-surface elevation 3,499.00 feet above NGVD29
The depth of the well is 367 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source o measure
1959-02-18			D 62610		3185.60	NGVD29	1		Z	
1959-02-18			D 62611		3187.32	NAVD88	1		Z	
1959-02-18			D 72019	313.40			1		Z	
1981-06-12			D 62610		3194.60	NGVD29	1		Z	
1981-06-12			D 62611		3196.32	NAVD88	1		Z	
1981-06-12			D 72019	304.40			1		Z	
1986-03-11			D 62610		3193.79	NGVD29	1		Z	
1986-03-11			D 62611		3195.51	NAVD88	1		Z	
1986-03-11			D 72019	305.21			1		Z	
1991-05-29			D 62610		3211.55	NGVD29	1		Z	
1991-05-29			D 62611		3213.27	NAVD88	1		Z	
1991-05-29			D 72019	287.45			1		Z	
1996-03-14			D 62610		3213.60	NGVD29	1		S	
1996-03-14			D 62611		3215.32	NAVD88	1		S	
1996-03-14			D 72019	285.40			1		S	
2001-02-27			D 62610		3210.32	NGVD29	1		S	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source o measure
2001-02-27			D	62611	3212.04	NAVD88	1	S		
2001-02-27			D	72019	288.68		1	S		
2013-01-17	16:30 UTC		m	62610	3209.31	NGVD29	1	S	USGS	
2013-01-17	16:30 UTC		m	62611	3211.03	NAVD88	1	S	USGS	
2013-01-17	16:30 UTC		m	72019	289.69		1	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
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[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?>

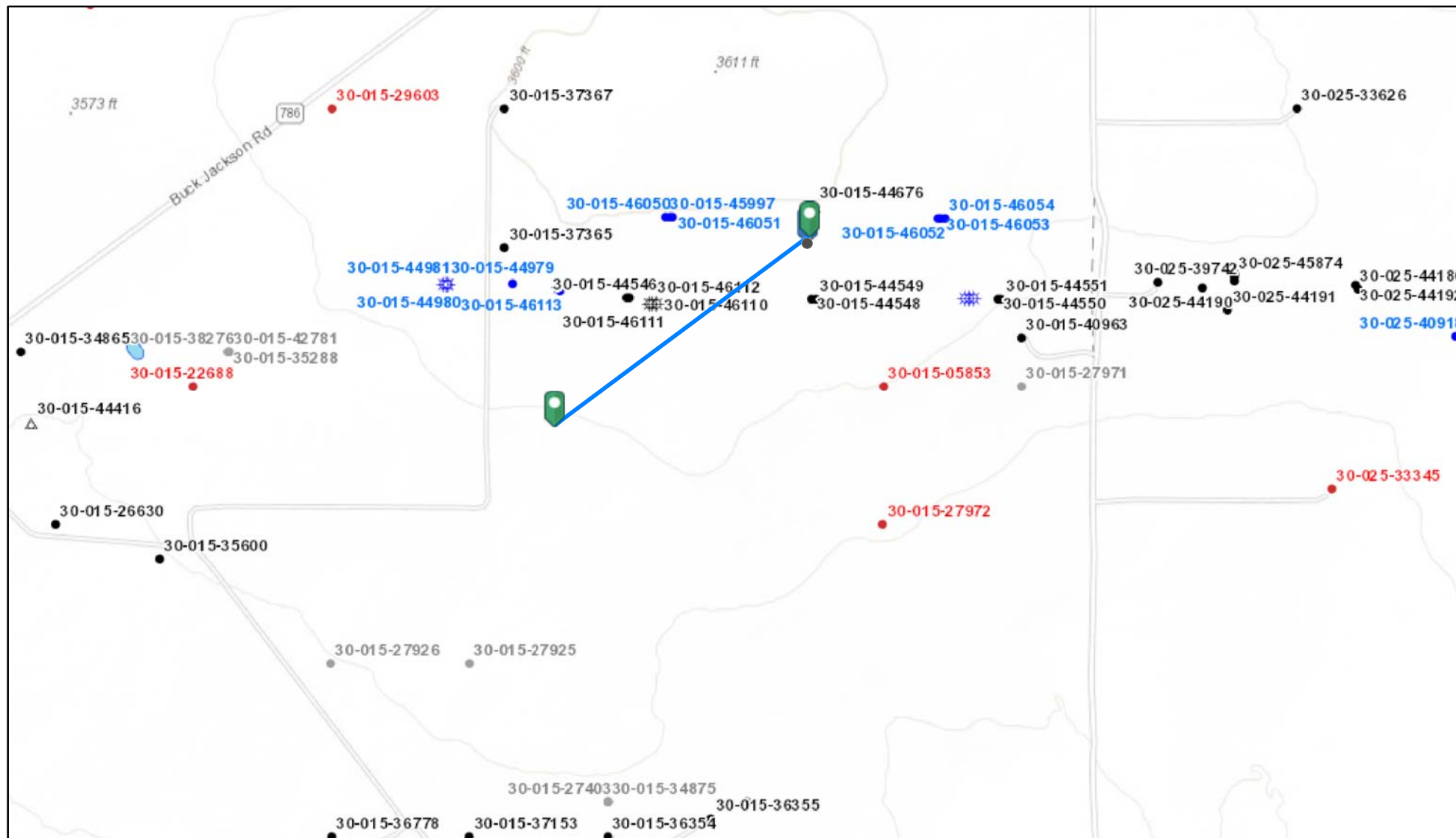
Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-02-04 17:23:54 EST

0.3 0.25 nadww01



MESA VERDE WTR TREATMENT FAC



2/5/2022 11:03:13 AM

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

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

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

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

MESA VERDE WTR TREATMENT

LAKE DATE 10-3-21

Legend

-  High
-  Low
-  Medium
-  Path



National Flood Hazard Layer FIRMette



103°44'13"W 32°12'58"N



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

1:6,000

103°43'36"W 32°12'28"N

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

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile
		Future Conditions 1% Annual Chance Flood Hazard
		Area with Reduced Flood Risk due to Levee. See Notes.
		Area with Flood Risk due to Levee
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
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 2/5/2022 at 12:59 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	12/8/21	12/8/21	12/8/21	12/8/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'
Analyte	Method	Date	12/8/21	12/8/21	12/8/21	12/8/21	12/8/21	12/8/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		51200	5360	3680	720	256	32.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	N/A	N/A
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	N/A	N/A

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 6'
Analyte	Method	Date	12/8/21	12/8/21	12/8/21	12/8/21	12/8/21	12/8/21	12/8/21
			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	N/A	N/A	N/A
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	N/A	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	N/A	N/A	N/A
Chloride	SM4500Cl-B		36000	4320	2000	480	480	64.0	48.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	N/A	N/A	N/A
DRO	TPH 8015M		104	<10.0	<10.0	<10.0	N/A	N/A	N/A
EXT DRO	TPH 8015M		14.0	<10.0	<10.0	<10.0	N/A	N/A	N/A

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	12/8/21	12/8/21	12/8/21	12/8/21	12/8/21	12/8/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		29600	3800	672	432	64.0	64.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	N/A	N/A
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	N/A	N/A

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'
Analyte	Method	Date	12/8/21	12/8/21	12/8/21	12/9/21	12/9/21	12/9/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		19600	3000	3520	416	80.0	80.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		42.3	<10.0	<10.0	<10.0	N/A	N/A
EXT DRO	TPH 8015M		34.4	<10.0	<10.0	<10.0	N/A	N/A

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	12/9/21	12/9/21	12/9/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A
Toluene	BTEX 8021B		<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A
Chloride	SM4500Cl-B		16.0	32.0	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	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'	SP6 @ 5'
Analyte	Method	Date	12/9/21	12/9/21	12/9/21	12/9/21	12/9/21	12/9/21
			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		20400	5730	880	352	80.0	80.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	N/A	N/A	N/A
DRO	TPH 8015M		10.9	<10.0	<10.0	N/A	N/A	N/A
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	N/A	N/A	N/A

		Sample ID	SP7 @ Surface	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'	SP7 @ 5'
Analyte	Method	Date	12/9/21	12/9/21	12/9/21	12/9/21	12/9/21	12/9/21
			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		34800	4880	1580	1020	96.0	64.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	N/A	N/A	N/A
DRO	TPH 8015M		238	<10.0	<10.0	N/A	N/A	N/A
EXT DRO	TPH 8015M		105	<10.0	<10.0	N/A	N/A	N/A



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

December 16, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MESA VERDE WTR

Enclosed are the results of analyses for samples received by the laboratory on 12/13/21 16:25.

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

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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: NORTH @ SURFACE (H213595-01)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71	
Total BTEX	<0.300	0.300	12/14/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/15/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: EAST @ SURFACE (H213595-02)

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	12/14/2021	ND	2.00	100	2.00	6.78		
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71		
Total BTX	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/15/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: WEST @ SURFACE (H213595-03)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71	
Total BTX	<0.300	0.300	12/14/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/15/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SOUTH @ SURFACE (H213595-04)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2021	ND	2.00	100	2.00	6.78		
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71		
Total BTEx	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/15/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H213595-05)

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	12/14/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71	
Total BTX	<0.300	0.300	12/14/2021	ND					

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

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	12/15/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 1' (H213595-06)

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	12/14/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71	
Total BTX	<0.300	0.300	12/14/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5360	16.0	12/15/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 2' (H213595-07)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2021	ND	2.00	100	2.00	6.78		
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10		
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64		
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71		
Total BTEX	<0.300	0.300	12/14/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	12/15/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 118 % 44.3-133

Surrogate: 1-Chlorooctadecane 119 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 3' (H213595-08)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/15/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.13	102	6.00	3.71	
Total BTEx	<0.300	0.300	12/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	12/15/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 4' (H213595-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	12/15/2021	ND	416	104	400	3.77		

Sample ID: SP 1 @ 5' (H213595-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/15/2021	ND	416	104	400	3.77	

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H213595-11)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2021	ND	2.00	100	2.00	6.78		
Toluene*	<0.050	0.050	12/15/2021	ND	2.01	100	2.00	4.10		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	2.02	101	2.00	2.64		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.13	102	6.00	3.71		
Total BTEx	<0.300	0.300	12/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	36000	16.0	12/15/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	104	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	14.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 116 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 1' (H213595-12)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/15/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.13	102	6.00	3.71	
Total BTEx	<0.300	0.300	12/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	12/15/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 2' (H213595-13)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/15/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.13	102	6.00	3.71	
Total BTEx	<0.300	0.300	12/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	12/15/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.8 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 3' (H213595-14)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/15/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.13	102	6.00	3.71	
Total BTEx	<0.300	0.300	12/15/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	12/15/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 4' (H213595-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	12/15/2021	ND	416	104	400	3.77		

Sample ID: SP 2 @ 5' (H213595-16)

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	12/15/2021	ND	416	104	400	3.77		

Sample ID: SP 2 @ 6' (H213595-17)

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	12/15/2021	ND	416	104	400	3.77	

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H213595-18)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/15/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.13	102	6.00	3.71	
Total BTEx	<0.300	0.300	12/15/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	29600	16.0	12/15/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 1' (H213595-19)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	1.95	97.5	2.00	10.3	
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78	
Total BTX	<0.300	0.300	12/15/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3800	16.0	12/15/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 2' (H213595-20)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	12/15/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 99.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 3' (H213595-21)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	12/15/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.7 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 4' (H213595-22)

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	12/15/2021	ND	416	104	400	3.77		

Sample ID: SP 3 @ 5' (H213595-23)

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	12/15/2021	ND	416	104	400	3.77		

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ SURFACE (H213595-24)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19600	16.0	12/15/2021	ND	400	100	400	7.69	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	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	42.3	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	34.4	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 129 % 44.3-133

Surrogate: 1-Chlorooctadecane 138 % 38.9-142

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 1' (H213595-25)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	12/15/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 128 % 44.3-133

Surrogate: 1-Chlorooctadecane 136 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/08/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 2' (H213595-26)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	1.95	97.5	2.00	10.3	
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78	
Total BTX	<0.300	0.300	12/15/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	12/15/2021	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 132 % 44.3-133

Surrogate: 1-Chlorooctadecane 142 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/09/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 3' (H213595-27)

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	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	12/15/2021	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-133

Surrogate: 1-Chlorooctadecane 121 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/09/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 4' (H213595-28)

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	12/15/2021	ND	400	100	400	7.69		

Sample ID: SP 4 @ 5' (H213595-29)

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	12/15/2021	ND	400	100	400	7.69	

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/09/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ SURFACE (H213595-30)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/15/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 125 % 44.3-133

Surrogate: 1-Chlorooctadecane 135 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/09/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ 1' (H213595-31)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

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

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	12/15/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 130 % 44.3-133

Surrogate: 1-Chlorooctadecane 138 % 38.9-142

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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:	12/13/2021	Sampling Date:	12/09/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ 2' (H213595-32)

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	12/15/2021	ND	400	100	400	7.69	

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/09/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 6 @ SURFACE (H213595-33)

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	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20400	16.0	12/15/2021	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	10.9	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 127 % 44.3-133

Surrogate: 1-Chlorooctadecane 136 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/09/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 6 @ 1' (H213595-34)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5730	16.0	12/15/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 129 % 44.3-133

Surrogate: 1-Chlorooctadecane 139 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/09/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 6 @ 2' (H213595-35)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	1.95	97.5	2.00	10.3	
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78	
Total BTX	<0.300	0.300	12/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	12/15/2021	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 123 % 44.3-133

Surrogate: 1-Chlorooctadecane 130 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/09/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 6 @ 3' (H213595-36)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/15/2021	ND	400	100	400	7.69		

Sample ID: SP 6 @ 4' (H213595-37)

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	12/15/2021	ND	400	100	400	7.69		

Sample ID: SP 6 @ 5' (H213595-38)

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	12/15/2021	ND	400	100	400	7.69	

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/09/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 7 @ SURFACE (H213595-39)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34800	16.0	12/15/2021	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	238	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	105	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 123 % 44.3-133

Surrogate: 1-Chlorooctadecane 149 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/09/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 7 @ 1' (H213595-40)

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	12/15/2021	ND	1.95	97.5	2.00	10.3		
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64		
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98		
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78		
Total BTX	<0.300	0.300	12/15/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4880	16.0	12/15/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 122 % 44.3-133

Surrogate: 1-Chlorooctadecane 128 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/09/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 7 @ 2' (H213595-41)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	1.95	97.5	2.00	10.3	
Toluene*	<0.050	0.050	12/15/2021	ND	1.96	97.9	2.00	8.64	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	1.96	98.1	2.00	6.98	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.04	101	6.00	6.78	
Total BTX	<0.300	0.300	12/15/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	12/15/2021	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2021	ND	216	108	200	17.3	
DRO >C10-C28*	<10.0	10.0	12/15/2021	ND	208	104	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/15/2021	ND					

Surrogate: 1-Chlorooctane 126 % 44.3-133

Surrogate: 1-Chlorooctadecane 134 % 38.9-142

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Analytical Results For:

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

Received:	12/13/2021	Sampling Date:	12/09/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	MESA VERDE WTR	Sampling Condition:	Cool & Intact
Project Number:	(10/3/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 7 @ 3' (H213595-42)

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	12/15/2021	ND	400	100	400	7.69		

Sample ID: SP 7 @ 4' (H213595-43)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/15/2021	ND	400	100	400	7.69	

Sample ID: SP 7 @ 5' (H213595-44)

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	12/15/2021	ND	416	104	400	0.00	

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

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

Celey D. Keene, Lab Director/Quality Manager



ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST			
Project Manager: Cliff Brunson				P.O. #:							
Address: P.O. Box 805				Company: Oxy							
City: Hobbs				Attn:							
State: NM Zip: 88241				Address:							
Phone #: 575-397-6388				City:							
Fax #: 575-397-0397				State:							
Project #:				Zip:							
Project Name: MESA VERDE WTR (10/3/21)								Phone #:			
Project Location: NEW MEXICO								Fax #:			
Sampler Name: SIMON											

FOR LAB USE ONLY											
Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE		
		ACID/BASE:	ICE / COOL	OTHER :							
		DATE	TIME								
H213595		1	12/8/21	8:50AM	✓	✓	✓	✓	✓	✓	✓
		2	12/8/21	9:02AM	✓	✓	✓	✓	✓	✓	✓
		3	12/8/21	9:15AM	✓	✓	✓	✓	✓	✓	✓
		4	12/8/21	9:26AM	✓	✓	✓	✓	✓	✓	✓
		5	12/8/21	9:42AM	✓	✓	✓	✓	✓	✓	✓
		6	12/8/21	9:55AM	✓	✓	✓	✓	✓	✓	✓
		7	12/8/21	10:10AM	✓	✓	✓	✓	✓	✓	✓
		8	12/8/21	10:37AM	✓	✓	✓	✓	✓	✓	✓
		9	12/8/21	10:53AM	✓	✓	✓	✓	✓	✓	✓
		10	12/8/21	11:12AM	✓	✓	✓	✓	✓	✓	✓

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Reinquired By: Daniel Faria Date: 12-13-21 Time: 10:25		Received By: Daniel Faria Date: 12-13-21 Time: 10:25		Sample Condition: <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
Delivered By: (Circle One) X O.32 C-O.52 10.0.0.22 #113		CHECKED BY: (Initials) V.B.		REMARKS:	



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.										BILL TO										ANALYSIS REQUEST									
Project Manager: Cliff Brunson										P.O. #:																			
Address: P.O. Box 805										Company: <i>NY</i>																			
City: Hobbs										Attn:																			
State: NM Zip: 88241										Address:																			
Phone #: 575-397-6388										City:																			
Fax #: 575-397-0397										State:																			
Project #:										Zip:																			
Project Name: MESA VERDE WTR (10/3/21)										Phone #:																			
Project Location: NEW MEXICO										Fax #:																			
Sampler Name: SIMON										PRESERV:										SAMPLING									
FOR LAB USE ONLY																													

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	BTEX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
<i>H213595</i>	SP2 @ SURFACE		1							12/8/21	11:25AM	✓	✓	✓
	SP 2 @ 1'									12/8/21	11:42AM	✓	✓	✓
	SP2 @ 2'									12/8/21	11:55AM	✓	✓	✓
	SP 2 @ 3'									12/8/21	12:48PM	✓	✓	✓
	SP 2 @ 4'									12/8/21	1:07PM	✓		
	SP 2 @ 5'									12/8/21	1:18PM	✓		
	SP2 @ 6'									12/8/21	1:33PM	✓		
	SP 3 @ SURFACE									12/8/21	1:46PM	✓	✓	✓
	SP 3 @ 1'									12/8/21	1:58PM	✓	✓	✓
	SP3 @ 2'									12/8/21	2:10PM	✓	✓	✓

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Relinquished By: <i>Simon</i>		Date: 12-13-21		Received By: <i>Simon</i>		Date: 12-13-21	
Relinquished By: <i>Simon</i>		Date: 12-13-21		Received By: <i>Simon</i>		Date: 12-13-21	
Time: 8:00 AM		Time: 8:00 AM		Time: 8:00 AM		Time: 8:00 AM	

Delivered By: (Circle One) <i>0.36</i> C.O.S.	Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact	CHECKED BY: <i>Simon</i>
Sampler - UPS - Bus - Other:	<input type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS:



ORDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO				ANALYSIS REQUEST													
Company Name: BBC International, Inc.				P.O. #:													
Project Manager: Cliff Brunson				Company:	Oxy												
Address: P.O. Box 805				Attn:													
City: Hobbs				Address:													
Phone #: 575-397-6388				City:													
Fax #: 575-397-0397				State:	NM	Zip:	88241										
Project #:				Project Owner:	Oxy												
Project Name: MESA VERDE WTR (10/3/21)				Phone #:													
Project Location: NEW MEXICO				Fax #:													
Sampler Name: SIMON																	
FOR LAB USE ONLY				MATRIX	PRESERV	SAMPLING											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH EXT
H213595	SP3 @ 3'	<input checked="" type="checkbox"/>	—										12/8/21	2:22PM	✓	✓	✓
	SP3 @ 4'												12/8/21	2:34PM	✓		
	SP3 @ 5'												12/8/21	2:41PM	✓		
	SP 4 @ SURFACE												12/8/21	2:52PM	✓	✓	✓
	SP 4 @ 1'												12/8/21	3:06PM	✓	✓	✓
	SP 4 @ 2'												12/8/21	3:14PM	✓	✓	✓
	SP 4 @ 3'												12/9/21	9:00AM	✓	✓	✓
	SP 4 @ 4'												12/9/21	9:12AM	✓		
	SP 4 @ 5'												12/9/21	9:21AM	✓		
	SP 5 @ SURFACE												12/9/21	9:32AM	✓	✓	✓

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Relinquished By: <i>[Signature]</i>	Date: 12-13-21	Received By: <i>[Signature]</i>	Date: 12-13-21
Relinquished By: <i>[Signature]</i>	Date: 12-13-21	Received By: <i>[Signature]</i>	Date: 12-13-21

Delivered By: (Circle One) *0.3% C-O.S.E*

Cool ☒ Yes ☐ No Intact ☒ Yes ☐ No

Sample Condition: *Intact*

CHECKED BY: *[Signature]* (Initials) *TD.*

REMARKS:

Phone Result: ☐ Yes ☐ No Add'l Phone #: _____

Fax Result: ☐ Yes ☐ No Add'l Fax #: _____



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 41 of 42



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																															
Project Manager: Cliff Brunson		P.O. #:																																	
Address: P.O. Box 805		Company: <i>Oxy</i>																																	
City: Hobbs		Attn:																																	
State: NM Zip: 88241		Address:																																	
Phone #: 575-397-6388 Fax #: 575-397-0397		City:																																	
Project #: Project Owner: Oxy		State:																																	
Project Name: MESA VERDE WTR (10/3/21)		Zip:																																	
Project Location: NEW MEXICO		Phone #:																																	
Sampler Name: SIMON		Fax #:																																	
FOR LAB USE ONLY																																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		CL		BTEX		TPHEVT	
41		SP7 @ 2'				1																				12/9/21		12:04PM		✓		✓			
42		SP7 @ 3'																								12/9/21		12:46PM		✓		✓			
43		SP7 @ 4'																								12/9/21		12:58PM		✓		✓			
44		SP7 @ 5'																								12/9/21		1:10PM		✓		✓			
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Relinquished By:		Date: 12-13-21		Received By:		Time: 10:25		Signature: <i>[Signature]</i>		Sample Condition		CHECKED BY: (Initials)																							
Relinquished By:		Date:		Received By:		Time:				Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																							
Delivered By: (Circle One)		D.30		C-0.50																															
Sampler - UPS - Bus - Other:		-0.20		#113																															
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476																																			
REMARKS:																																			

Form C-141

State of New Mexico
Oil Conservation Division

Page 5

Incident ID	nAPP2129940931
District RP	
Facility ID	
Application ID	30-015-44549

Remediation Plan

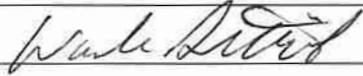
Remediation Plan Checklist: Each of the following items must be included in the plan.

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 2-4-22
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD OnlyReceived by: Robert Hamlet Date: 4/8/2022☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Robert Hamlet Date: 4/8/2022

District I

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

District II

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

District III

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

District IV

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

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

CONDITIONS

Action 79327

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 79327
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. Samples must be analyzed for the constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Sidewall/Floor samples should represent no more than 200 ft2. The work will need to occur in 90 days after the work plan has been approved.	4/8/2022