



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 – WDDU #112 (Leak Date: 6/11/20)

Incident Reference #: NRM2018237619

This delineation workplan and remediation proposal addresses the releases associated with Incident Reference #: NRM2018237619.

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 – SP5, and SB1 (purple shade on diagram) will be excavated to a depth of 4 feet. OXY requests a variance per 19.15.29.14 NMAC to install an impermeable liner (20 mil plastic) into the bottom of the excavation. This variance is requested due to the safety concerns of a deeper excavation and the liner will be protective of further migration of the chloride impact.

In addition, OXY requests to collect only sidewall confirmation samples every 300 square feet since there will an impermeable liner in the bottom and deeper sample data exists in this report. The estimated amount of soil to be excavated is 852 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	NRM2018237619
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?	329 (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

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State of New Mexico
Oil Conservation Division

Incident ID	NRM2018237619
District RP	
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Wade Dittrich Title: Environmental CoordinatorSignature: Date: 8-31-2020email: wade_dittrich@oxy.comTelephone: (575) 390-2828**OCD Only**

Received by: _____

Date: _____

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NRM2018237619
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Remediation Plan


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

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
 Signature:  Date: 3/31/2020
 email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: Chad Hensley Date: 04/12/2021

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

Signature:  Date: 04/12/2021



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 =

- 320946103040101

Minimum number of levels = 1

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

USGS 320946103040101 24S.38E.33.344114

Lea County, New Mexico

Latitude 32°09'46", Longitude 103°04'01" NAD27

Land-surface elevation 3,157 feet above NAVD88

The depth of the well is 765 feet below land surface.

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

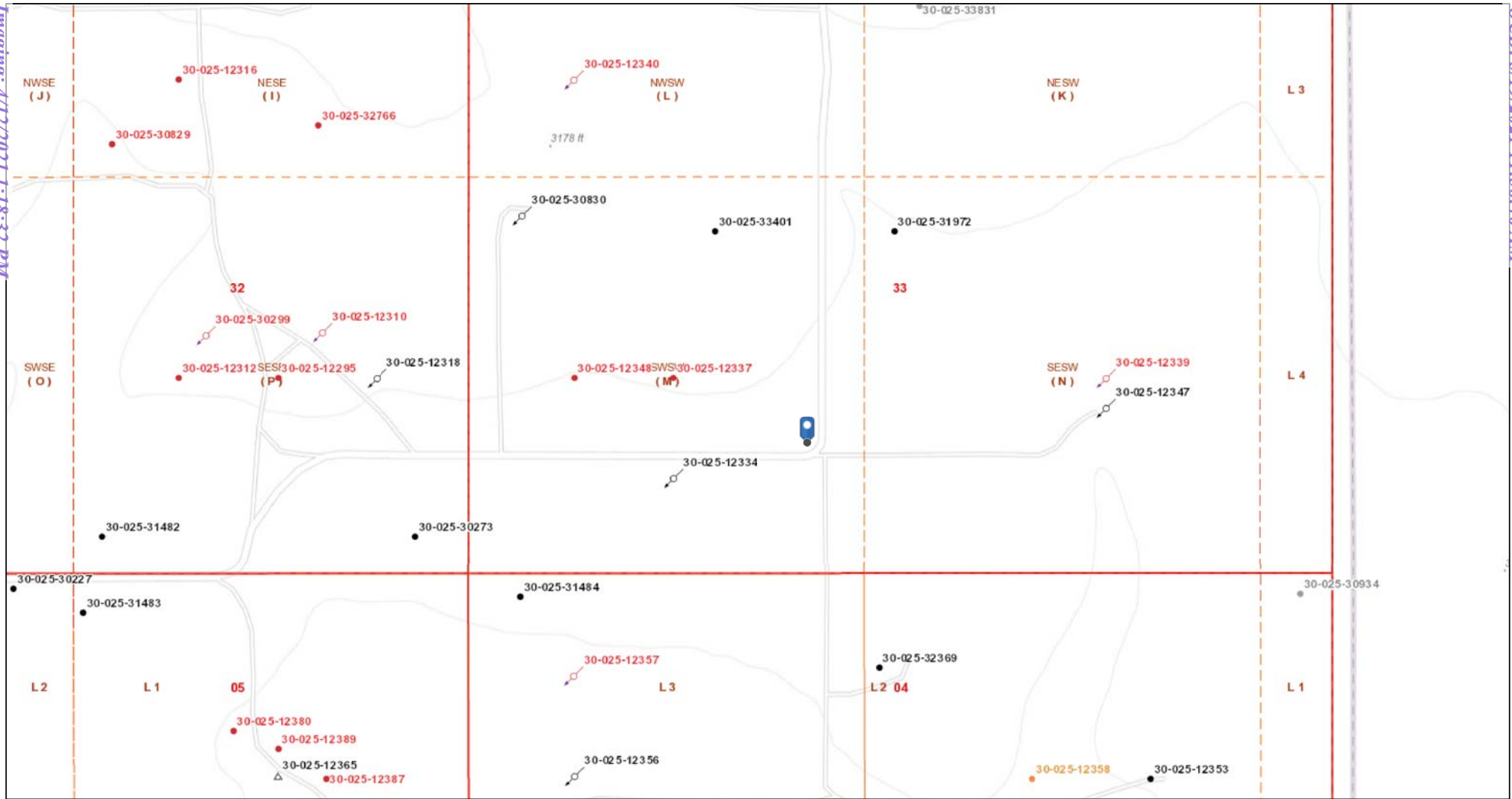
Table of data
Tab-separated data
Graph of data
Reselect period

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 measure
1968-02-22		D	590.42			2	R		U	
1970-12-15		D	415.35			2	R		U	
1976-01-14		D	329.11			2			U	

Explanation

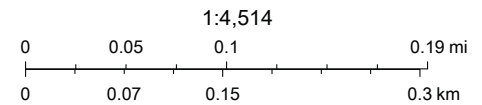
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Status	R	Site had been pumped recently.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Oxy WDDU #112 6-11-20



6/17/2020, 11:30:31 AM

- | | | | | |
|-------------------------------|---|----------------------------------|---------------------------------|---|
| Wells - Large Scale | CO ₂ , Temporarily Abandoned | Injection, Active | Oil, Cancelled | Salt Water Injection, New |
| ? undefined | Gas, Active | Injection, Cancelled | Oil, New | Salt Water Injection, Plugged |
| • Miscellaneous | Gas, Cancelled | Injection, New | Oil, Plugged | Salt Water Injection, Temporarily Abandoned |
| * CO ₂ , Active | Gas, New | Injection, Plugged | Oil, Temporarily Abandoned | Water, Active |
| * CO ₂ , Cancelled | Gas, Plugged | Injection, Temporarily Abandoned | Salt Water Injection, Active | Water, Cancelled |
| * CO ₂ , New | Gas, Temporarily Abandoned | Oil, Active | Salt Water Injection, Cancelled | Water, New |
| * CO ₂ , Plugged | | | | |





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

Oxy WDDU #112

Leak Date: 6-11-20
Lea County, NM
API: 30-025-12356
Incident ID: NRM2018237619

BLM CAVE KARST MAP

Legend

-  Leak Area
-  Low Potential



Released to Imaging: 4/12/2021 1:18:32 PM

National Flood Hazard Layer FIRMette



103°4'32"W 32°10'19"N



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

USGS The National Map: Orthoimagery. Data refreshed April 2020

1:6,000

103°3'55"W 32°9'49"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
OTHER FEATURES		Levee, Dike, or Floodwall
		Cross Sections with 1% Annual Chance Water Surface Elevation
MAP PANELS		Coastal Transect
		Base Flood Elevation Line (BFE)
MAP PANELS		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Hydrographic Feature
		Digital Data Available
MAP PANELS		No Digital Data Available
		Unmapped

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/17/2020 at 1:44 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.

Received by OCD: 3/10/2021 11:38:46 AM

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Laboratory Analytical Results Summary
Oxy, WDDU #112 (6-11-20)

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	9/8/20	9/8/20	9/8/20	9/8/20
			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		32.0	<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'	SP1 @ 6'	SP1 @ 7'
Analyte	Method	Date	9/8/20	9/8/20	9/8/20	9/10/20	9/10/20	9/10/20	9/10/20	9/10/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		24000	3000	2640	2200	3240	144	176	144
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	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 @ 8'	SP2 @ 12'	SP2 @ 13'
Analyte	Method	Date	9/8/20	9/8/20	9/8/20	9/10/20	9/10/20	9/10/20	9/10/20	9/10/20	9/10/20
			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	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<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	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<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	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		25600	3880	3640	3360	3920	5200	1260	480	192
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	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'	SP3 @ 8'	SP3 @ 12'	SP3 @ 13'
Analyte	Method	Date	9/8/20	9/8/20	9/10/20	9/10/20	9/10/20	9/10/20	9/10/20	9/11/20	9/11/20
			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	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<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	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<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	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		24800	4960	5440	2960	8000	7730	3360	4400	5840
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Laboratory Analytical Results Summary
Oxy, WDDU #112 (6-11-20)

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'	SP4 @ 8'	SP4 @ 12'	SP4 @ 14'
Analyte	Method	Date	9/8/20	9/8/20	9/8/20	9/11/20	9/11/20	9/11/20	9/11/20	9/11/20	9/11/20
			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	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<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	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<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	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		32400	3760	3600	4930	7520	4400	3840	2560	3040
GRO	TPH 8015M		<50.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		14700	103	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		3380	24.6	n/a	n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'	SP5 @ 8'	SP5 @ 9'
Analyte	Method	Date	9/8/20	9/8/20	9/8/20	9/11/20	9/11/20	9/11/20	9/11/20	9/11/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		1.75	<0.150	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		1.75	<0.300	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		22200	3080	1480	3600	5600	4800	256	48.0
GRO	TPH 8015M		141	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		26000	16.3	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		5330	<10.0	n/a	n/a	n/a	n/a	n/a	n/a

Laboratory Analytical Results Summary
Oxy, WDDU #112 (6-11-20)

		Sample ID	SB1 @ 15'	SB1 @ 20'	SB1 @ 25'	SB1 @ 30'
Analyte	Method	Date	12/9/20	12/9/20	12/9/20	12/9/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		960	1230	240	240
GRO	TPH 8015M		n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a



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

September 18, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WEST DOLLARHIDE DRINKARD UNIT #112

Enclosed are the results of analyses for samples received by the laboratory on 09/14/20 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: NORTH @ SURFACE (H002436-01)

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/15/2020	ND	416	104	400	3.92		

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

Surrogate: 1-Chlorooctane 101 % 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:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: EAST @ SURFACE (H002436-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2020	ND	1.94	96.8	2.00	4.99		
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37		
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20		
Total BTEx	<0.300	0.300	09/15/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/15/2020	ND	416	104	400	3.92		

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

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 112 % 42.2-156

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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: WEST @ SURFACE (H002436-03)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2020	ND	1.94	96.8	2.00	4.99		
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37		
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20		
Total BTX	<0.300	0.300	09/15/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/15/2020	ND	416	104	400	3.92		

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

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 112 % 42.2-156

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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SOUTH @ SURFACE (H002436-04)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2020	ND	1.94	96.8	2.00	4.99		
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37		
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20		
Total BTX	<0.300	0.300	09/15/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	16.0	16.0	09/15/2020	ND	416	104	400	3.92	

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

Surrogate: 1-Chlorooctane 102 % 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:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H002436-05)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	24000	16.0	09/15/2020	ND	416	104	400	3.92		

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

Surrogate: 1-Chlorooctane 97.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 1' (H002436-06)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	09/15/2020	ND	416	104	400	3.92		

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

Surrogate: 1-Chlorooctane 96.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 2' (H002436-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2640	16.0	09/15/2020	ND	416	104	400	3.92		

Sample ID: SP 1 @ 3' (H002436-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	09/15/2020	ND	400	100	400	3.92	QM-07	

Sample ID: SP 1 @ 4' (H002436-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3240	16.0	09/15/2020	ND	400	100	400	3.92		

Sample ID: SP 1 @ 5' (H002436-10)

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	09/15/2020	ND	400	100	400	3.92	

Sample ID: SP 1 @ 6' (H002436-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/15/2020	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:	09/14/2020	Sampling Date:	09/11/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 7' (H002436-12)

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	09/15/2020	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:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H002436-13)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2020	ND	1.94	96.8	2.00	4.99		
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37		
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20		
Total BTX	<0.300	0.300	09/15/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	25600	16.0	09/15/2020	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	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 96.1 % 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:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 1' (H002436-14)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2020	ND	1.94	96.8	2.00	4.99		
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37		
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20		
Total BTX	<0.300	0.300	09/15/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	3880	16.0	09/15/2020	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	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 99.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 109 % 42.2-156

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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 2' (H002436-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	09/15/2020	ND	400	100	400	3.92		

Sample ID: SP 2 @ 3' (H002436-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	09/15/2020	ND	400	100	400	3.92	

Sample ID: SP 2 @ 4' (H002436-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	09/15/2020	ND	400	100	400	3.92		

Sample ID: SP 2 @ 5' (H002436-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	09/15/2020	ND	400	100	400	3.92	

Sample ID: SP 2 @ 8' (H002436-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	09/15/2020	ND	400	100	400	3.92	

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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/10/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 12' (H002436-20)

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	09/15/2020	ND	400	100	400	3.92		

Sample ID: SP 2 @ 13' (H002436-21)

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	09/15/2020	ND	400	100	400	3.92	

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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H002436-22)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2020	ND	1.94	96.8	2.00	4.99		
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37		
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20		
Total BTX	<0.300	0.300	09/15/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	24800	16.0	09/15/2020	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	09/15/2020	ND	180	90.1	200	20.5	
DRO >C10-C28*	<10.0	10.0	09/15/2020	ND	196	98.1	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	09/15/2020	ND					

Surrogate: 1-Chlorooctane 95.8 % 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:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 1' (H002436-23)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2020	ND	1.94	96.8	2.00	4.99		
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37		
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20		
Total BTX	<0.300	0.300	09/15/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4960	16.0	09/15/2020	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	09/16/2020	ND	179	89.4	200	4.32	
DRO >C10-C28*	<10.0	10.0	09/16/2020	ND	184	92.0	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	09/16/2020	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/10/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 2' (H002436-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	09/15/2020	ND	400	100	400	3.92		

Sample ID: SP 3 @ 3' (H002436-25)

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	09/15/2020	ND	400	100	400	3.92	

Sample ID: SP 3 @ 4' (H002436-26)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	09/15/2020	ND	400	100	400	3.92		

Sample ID: SP 3 @ 5' (H002436-27)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7730	16.0	09/15/2020	ND	400	100	400	3.92	

Sample ID: SP 3 @ 8' (H002436-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	09/16/2020	ND	432	108	400	0.00	QM-07

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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/11/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 12' (H002436-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	09/16/2020	ND	432	108	400	0.00		

Sample ID: SP 3 @ 13' (H002436-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5840	16.0	09/16/2020	ND	432	108	400	0.00		

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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ SURFACE (H002436-31)

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

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	32400	16.0	09/16/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	09/16/2020	ND	179	89.4	200	4.32	
DRO >C10-C28*	14700	50.0	09/16/2020	ND	184	92.0	200	2.22	
EXT DRO >C28-C36	3380	50.0	09/16/2020	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 620 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 1' (H002436-32)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2020	ND	1.94	96.8	2.00	4.99		
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87		
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37		
Total Xylenes*	<0.150	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20		
Total BTEX	<0.300	0.300	09/15/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	3760	16.0	09/16/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2020	ND	179	89.4	200	4.32	
DRO >C10-C28*	103	10.0	09/16/2020	ND	184	92.0	200	2.22	
EXT DRO >C28-C36	24.6	10.0	09/16/2020	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 42.2-156

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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 2' (H002436-33)

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	09/16/2020	ND	432	108	400	0.00	

Sample ID: SP 4 @ 3' (H002436-34)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4930	16.0	09/16/2020	ND	432	108	400	0.00	

Sample ID: SP 4 @ 4' (H002436-35)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7520	16.0	09/16/2020	ND	432	108	400	0.00		

Sample ID: SP 4 @ 5' (H002436-36)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	09/16/2020	ND	432	108	400	0.00	

Sample ID: SP 4 @ 8' (H002436-37)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	09/16/2020	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/11/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 12' (H002436-38)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	09/16/2020	ND	432	108	400	0.00		

Sample ID: SP 4 @ 14' (H002436-39)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	09/16/2020	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ SURFACE (H002436-40)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2020	ND	1.94	96.8	2.00	4.99	
Toluene*	<0.050	0.050	09/15/2020	ND	1.94	96.9	2.00	4.87	
Ethylbenzene*	<0.050	0.050	09/15/2020	ND	1.91	95.5	2.00	5.37	
Total Xylenes*	1.75	0.150	09/15/2020	ND	5.49	91.5	6.00	5.20	
Total BTX	1.75	0.300	09/15/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 201 % 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	22200	16.0	09/16/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	141	50.0	09/16/2020	ND	179	89.4	200	4.32	
DRO >C10-C28*	26000	50.0	09/16/2020	ND	184	92.0	200	2.22	
EXT DRO >C28-C36	5330	50.0	09/16/2020	ND					

Surrogate: 1-Chlorooctane 122 % 44.3-144

Surrogate: 1-Chlorooctadecane 851 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ 1' (H002436-41)

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	09/16/2020	ND	2.06	103	2.00	2.66		
Toluene*	<0.050	0.050	09/16/2020	ND	2.09	104	2.00	2.42		
Ethylbenzene*	<0.050	0.050	09/16/2020	ND	2.07	103	2.00	2.34		
Total Xylenes*	<0.150	0.150	09/16/2020	ND	5.94	99.1	6.00	2.24		
Total BTX	<0.300	0.300	09/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	3080	16.0	09/16/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2020	ND	179	89.4	200	4.32	
DRO >C10-C28*	16.3	10.0	09/16/2020	ND	184	92.0	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	09/16/2020	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/08/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ 2' (H002436-42)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1480	16.0	09/16/2020	ND	432	108	400	0.00		

Sample ID: SP 5 @ 3' (H002436-43)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3800	16.0	09/16/2020	ND	432	108	400	0.00	

Sample ID: SP 5 @ 4' (H002436-44)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	09/16/2020	ND	432	108	400	0.00		

Sample ID: SP 5 @ 5' (H002436-45)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	09/16/2020	ND	432	108	400	0.00	

Sample ID: SP 5 @ 8' (H002436-46)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/16/2020	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/14/2020	Sampling Date:	09/11/2020
Reported:	09/18/2020	Sampling Type:	Soil
Project Name:	WEST DOLLARHIDE DRINKARD UNIT #1	Sampling Condition:	Cool & Intact
Project Number:	(6-11-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ 9' (H002436-47)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/16/2020	ND	432	108	400	0.00		

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(1025)

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: WEST DOLLARHIDE DRINKARD UNIT #112 (6-11-20)				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							
H002436																									
1	North @ Surface	G	1										9/8/20	8:40 AM	✓	✓	✓								
2	East @ Surface												9/8/20	8:52 AM	✓	✓	✓								
3	West @ Surface												9/8/20	9:04 AM	✓	✓	✓								
4	South @ Surface												9/8/20	9:17 AM	✓	✓	✓								
5	SP1 @ Surface												9/8/20	9:34 AM	✓	✓	✓								
6	SP1 @ 1'												9/8/20	9:47 AM	✓	✓	✓								
7	SP1 @ 2'												9/8/20	10:12 AM	✓										
8	SP1 @ 3'												9/10/20	9:00 AM	✓										
9	SP1 @ 4'												9/10/20	9:40 AM	✓										
10	SP1 @ 5'												9/11/20	2:12 PM	✓										

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Relinquished By:	Date: 9-14-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1650		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: -1.0c #113	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) T.O.		

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

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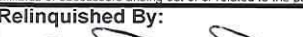

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(2015)

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Relinquished By: 		Date: 9-14-20	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 1650				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: <u>-1.0c #113</u>			Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	(Initials) <u>g.d.</u>	

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(3 of 5)

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(405)

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[illegible]

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Relinquished By:		Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time:		Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:		REMARKS:		
		Time:				
Delivered By: (Circle One)		Sample Condition		CHECKED BY:		
Sampler - UPS - Bus - Other:		Cool Intact		(Initials)		
-1.0c #113		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		T.O.		

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

December 15, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WDDU #112

Enclosed are the results of analyses for samples received by the laboratory on 12/11/20 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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: 12/11/2020
 Reported: 12/15/2020
 Project Name: WDDU #112
 Project Number: (6-11-20)
 Project Location: OXY - LEA CO NM

Sampling Date: 12/09/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SB 1 @ 15' (H003249-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	12/15/2020	ND	400	100	400	3.92		

Sample ID: SB 1 @ 20' (H003249-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	12/15/2020	ND	400	100	400	3.92	

Sample ID: SB 1 @ 25' (H003249-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/15/2020	ND	400	100	400	3.92		

Sample ID: SB 1 @ 30' (H003249-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/15/2020	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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 21398

CONDITIONS OF APPROVAL

Operator:	OXY USA INC	P.O. Box 4294	Houston, TX772104294	OGRID:	16696	Action Number:	21398	Action Type:	C-141
OCD Reviewer	Condition								
chensley	When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less.								
chensley	OXY request for a variance to collect only sidewall confirmation samples every 300 square feet is approved.								
chensley	OXY request for a variance to install an impermeable liner (20 mil plastic) into the bottom of the excavation is approved.								