



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/REMEDIATION WORKPLAN

OXY – DIMENSIONS 6 CTB 08DSK-200211-C-1410
(Leak Date: 12/27/19)

Incident Reference #: NVV2003455784

This delineation workplan and remediation proposal addresses the releases associated with Incident Reference #: NVV2003455784.

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, and/or copy of Chevron groundwater trend map).
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 – SP4 (GREEN shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP5 (BLUE shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP6 (RED shade on diagram) will be excavated to a depth of 3 feet.

Bottom and sidewall confirmation samples will be collected every 75 feet. The estimated amount of soil to be excavated is 388 cubic yards. The remediation will be completed within 90 days of approval.

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

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

Form C-141

Page 3

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	NVV2003455784
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?	51 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within 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

Page 4

Incident ID	
District RP	NVV2003455784
Facility ID	
Application ID	

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 2-10-2020
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

Form C-141

Page 5

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	NVV2003455784
Facility ID	
Application ID	

Remediation Plan

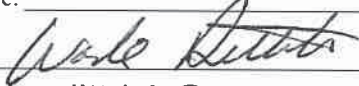
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 2-10-2020
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

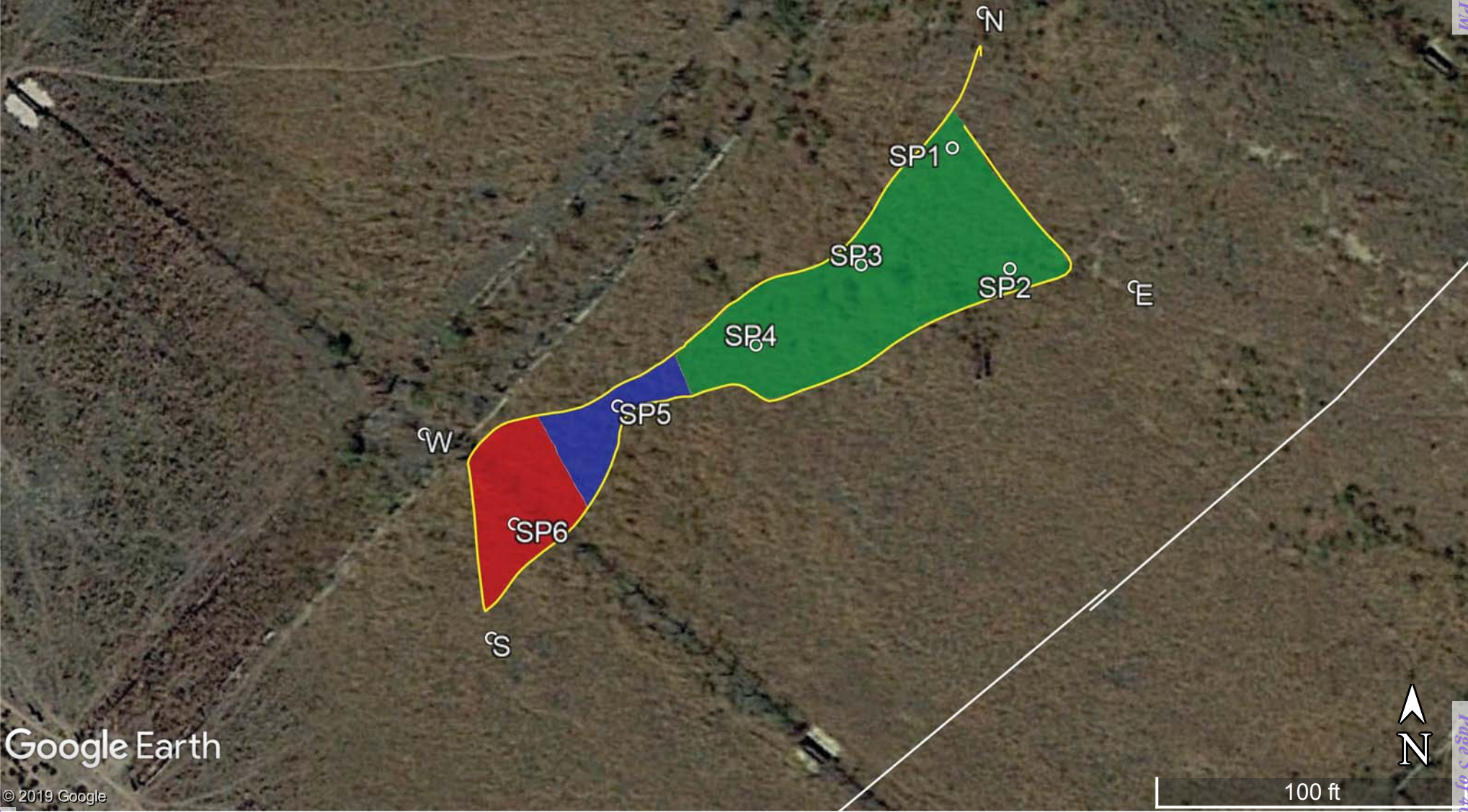
☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Oxy, Dimensions 6 CTB

Leak Date: 12-27-19
Eddy County, NM
Reference# NVV2003455784

- Legend**
- 1' Excavation
 - 2' Excavation
 - 3' Excavation
 - Sample Points
 - Leak Area
 - Location Pad



Oxy, Dimensions 6 CTB (12-27-19)

Sample Points:

SP1 N 32.25081, W -104.02462

SP2 N 32.25070, W -104.02456

SP3 N 32.25070, W -104.02471

SP4 N 32.25063, W -104.02482

SP5 N 32.25058, W -104.02496

SP6 N 32.25048, W -104.02507

North N 32.25093, W -104.02458

East N 32.25069, W -104.02446

West N 32.25056, W -104.02517

South N 32.25038, W -104.02510

Oxy, Dimensions 6 CTB (12-27-19)

U/L C, Section 6, T24S, R29E

Groundwater: <50'





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 hideNews 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 =

- 321355104012001

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

USGS 321355104012001 24S.29E.07.14444

Eddy County, New Mexico
Latitude 32°13'55", Longitude 104°01'20" NAD27
Land-surface elevation 2,983 feet above NAVD88
The depth of the well is 160 feet below land surface.
This well is completed in the Castile Formation (312CSTL) 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 measurem
1983-02-01		D	47.14			2			U	
1987-10-16		D	51.84			2			U	
1988-02-11		D	52.19			2			U	
1992-10-20		D	51.78			2			S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
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.

[Questions about sites/data?](#)
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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)



Title: Groundwater for New Mexico: Water Levels

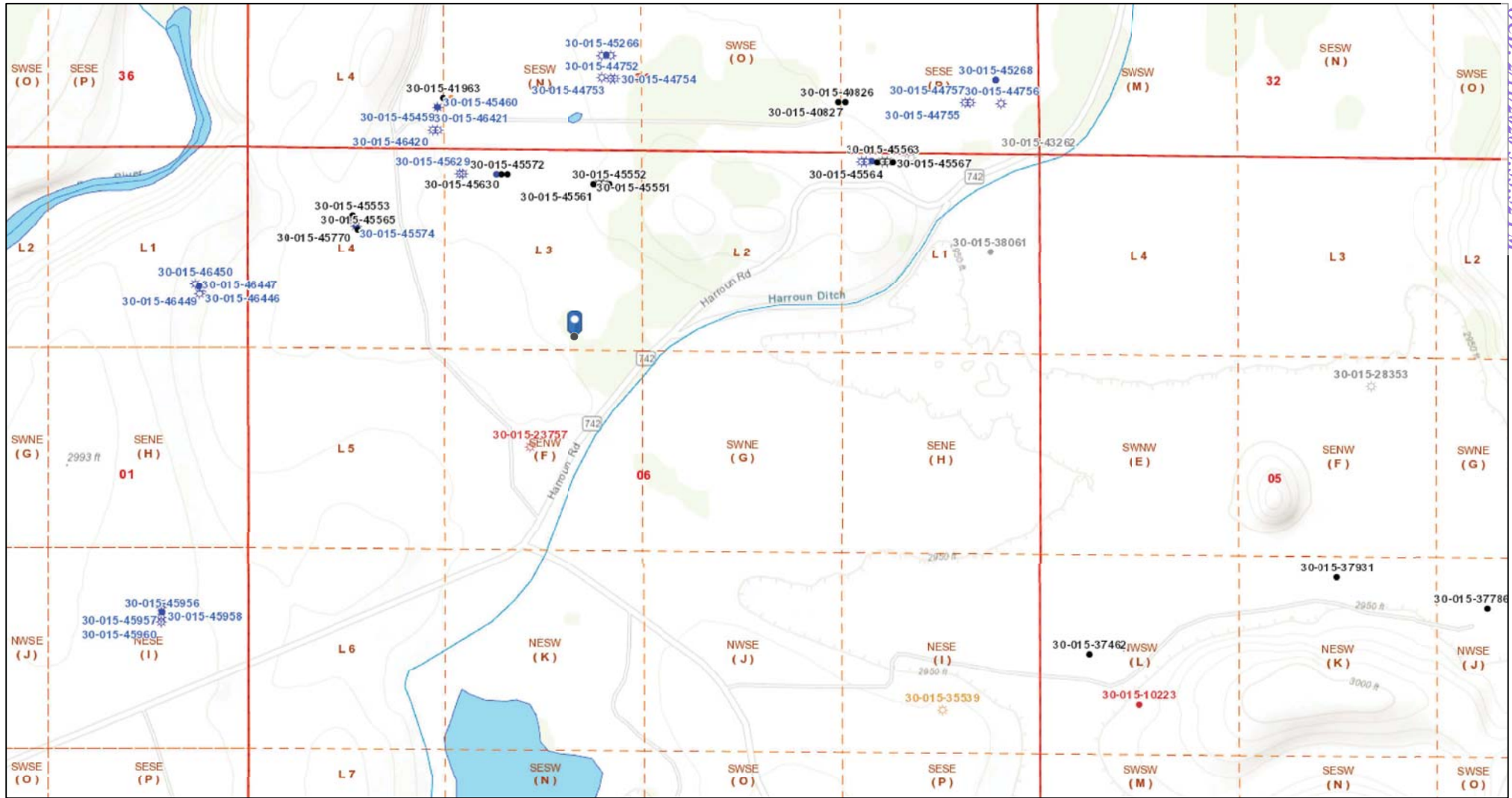
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

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

Page Last Modified: 2020-01-13 15:57:02 EST

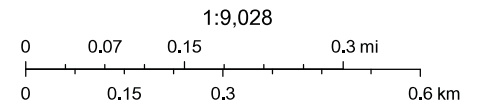
0.23 0.2 nadww02

Oxy, Dimensions 6 CTB, 490ft to h2o



2/10/2020 11:54:36 AM

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





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

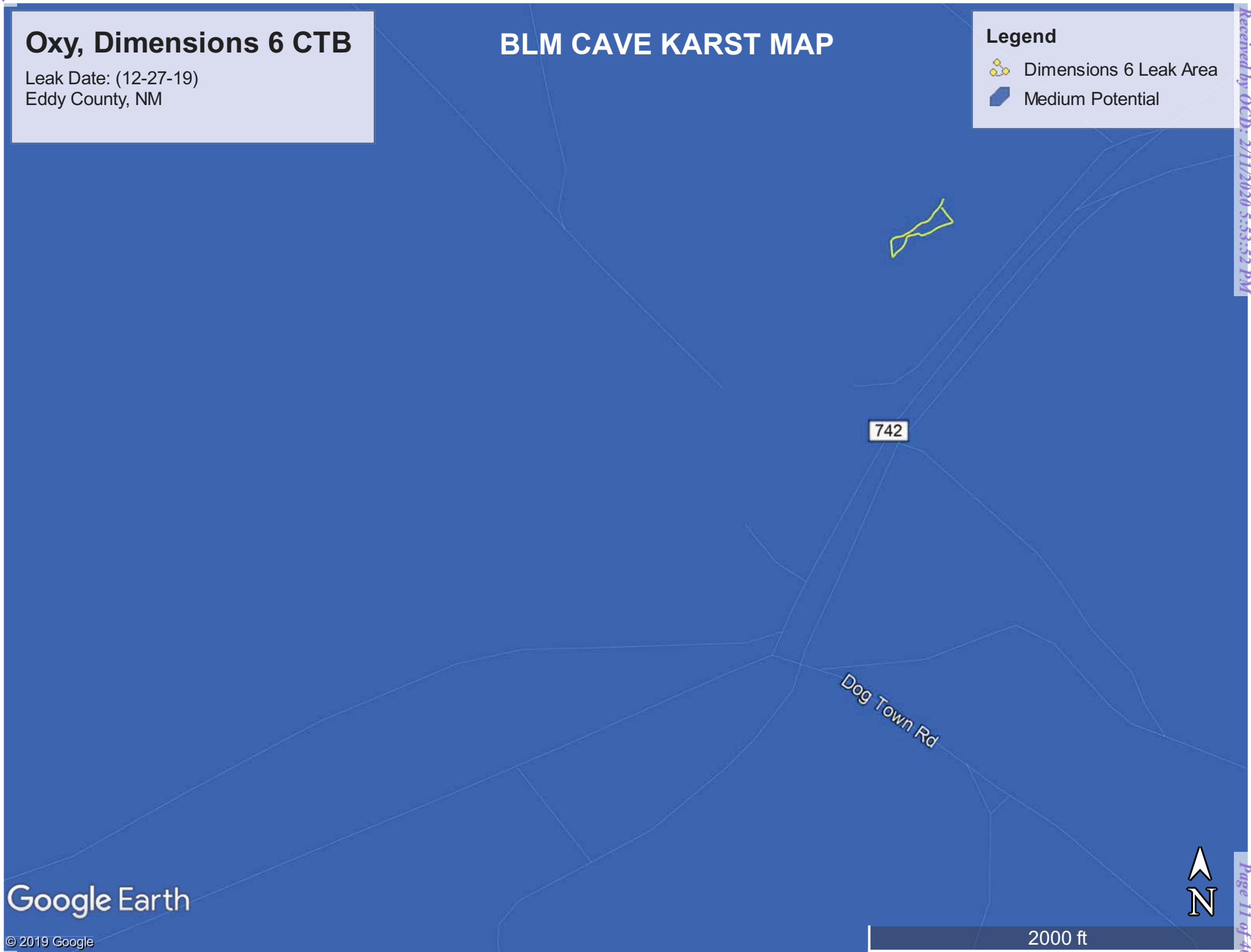
Oxy, Dimensions 6 CTB

Leak Date: (12-27-19)
Eddy County, NM

BLM CAVE KARST MAP

Legend

-  Dimensions 6 Leak Area
-  Medium Potential



Google Earth

© 2019 Google

2000 ft



National Flood Hazard Layer FIRMette



32°15'17.48"N



USGS The National Map: Orthoimagery. Data refreshed April, 2019.

0 250 500 1,000 1,500 2,000 Feet 1:6,000

32°14'47.05"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
		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
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
		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/13/2020 at 4:10:03 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: 2/13/2020 5:53:52 PM

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Laboratory Analytical Results Summary
Oxy, Dimensions 6 CTB 12-27-19

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	1/20/20	1/20/20	1/20/20	1/20/20
			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		128	112	128	112
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	1/20/20	1/20/20	1/20/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		7200	336	80.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	1/20/20	1/20/20	1/20/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		14800	464	288
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	1/20/20	1/20/20	1/20/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		13200	128	128
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	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	1/20/20	1/20/20	1/21/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenz	BTEX 8021B		<0.050	<0.050	n/a
Total Xyle	BTEX 8021B		<0.150	<0.150	n/a
Total BTE	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		3200	240	32.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'
Analyte	Method	Date	1/21/20	1/21/20	1/21/20	1/21/20	1/21/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		16600	7330	560	208	240
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'
Analyte	Method	Date	1/21/20	1/21/20	1/21/20	1/21/20	1/21/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		25200	3200	1070	336	192
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		14.4	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a



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

January 28, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: DIMENSIONS 6 CTB 12-27-19

Enclosed are the results of analyses for samples received by the laboratory on 01/24/20 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: NORTH @ SURFACE (H000243-01)

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	01/27/2020	ND	1.83	91.3	2.00	16.5		
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3		
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2		
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3		
Total BTEX	<0.300	0.300	01/27/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 92.4 % 41-142

Surrogate: 1-Chlorooctadecane 97.4 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: EAST@ SURFACE (H000243-02)

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	01/27/2020	ND	1.83	91.3	2.00	16.5		
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3		
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2		
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3		
Total BTEx	<0.300	0.300	01/27/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 89.4 % 41-142

Surrogate: 1-Chlorooctadecane 92.3 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: WEST @ SURFACE (H000243-03)

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	01/27/2020	ND	1.83	91.3	2.00	16.5		
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3		
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2		
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3		
Total BTX	<0.300	0.300	01/27/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 92.1 % 41-142

Surrogate: 1-Chlorooctadecane 95.4 % 37.6-147

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Analytical Results For:

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

Received:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SOUTH @ SURFACE (H000243-04)

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	01/27/2020	ND	1.83	91.3	2.00	16.5		
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3		
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2		
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3		
Total BTX	<0.300	0.300	01/27/2020	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	112	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24		
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30		
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND						

Surrogate: 1-Chlorooctane 92.9 % 41-142

Surrogate: 1-Chlorooctadecane 95.8 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H000243-05)

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	01/27/2020	ND	1.83	91.3	2.00	16.5	
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3	
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2	
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3	
Total BTX	<0.300	0.300	01/27/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 97.2 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 1 @ 1' (H000243-06)

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	01/27/2020	ND	1.83	91.3	2.00	16.5	
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3	
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2	
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3	
Total BTX	<0.300	0.300	01/27/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 87.7 % 41-142

Surrogate: 1-Chlorooctadecane 96.7 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 1 @ 2' (H000243-07)

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	01/28/2020	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:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H000243-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2020	ND	1.83	91.3	2.00	16.5	
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3	
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2	
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3	
Total BTX	<0.300	0.300	01/27/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14800	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 99.8 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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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: 01/24/2020
 Reported: 01/28/2020
 Project Name: DIMENSIONS 6 CTB 12-27-19
 Project Number: NONE GIVEN
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/20/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 1' (H000243-09)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2020	ND	1.83	91.3	2.00	16.5	
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3	
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2	
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3	
Total BTX	<0.300	0.300	01/27/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	464	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 96.9 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 2 @ 2' (H000243-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	01/28/2020	ND	400	100	400	7.69		

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Received:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H000243-11)

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	01/27/2020	ND	1.83	91.3	2.00	16.5		
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3		
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2		
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3		
Total BTEx	<0.300	0.300	01/27/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13200	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 97.3 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 3 @ 1' (H000243-12)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2020	ND	1.83	91.3	2.00	16.5	
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3	
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2	
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3	
Total BTX	<0.300	0.300	01/27/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 96.2 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 3 @ 2' (H000243-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/28/2020	ND	400	100	400	7.69		

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 4 @ SURFACE (H000243-14)

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	01/27/2020	ND	1.83	91.3	2.00	16.5	
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3	
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2	
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3	
Total BTX	<0.300	0.300	01/27/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 96.6 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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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: 01/24/2020
 Reported: 01/28/2020
 Project Name: DIMENSIONS 6 CTB 12-27-19
 Project Number: NONE GIVEN
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/20/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 1' (H000243-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2020	ND	1.83	91.3	2.00	16.5	
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3	
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2	
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3	
Total BTEX	<0.300	0.300	01/27/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 96.2 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/20/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 4 @ 2' (H000243-16)

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	01/28/2020	ND	432	108	400	0.00		

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Analytical Results For:

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Received:	01/24/2020	Sampling Date:	01/21/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 5 @ SURFACE (H000243-17)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/27/2020	ND	1.83	91.3	2.00	16.5		
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3		
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2		
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3		
Total BTX	<0.300	0.300	01/27/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	16600	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 99.4 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Analytical Results For:

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

Received:	01/24/2020	Sampling Date:	01/21/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 5 @ 1' (H000243-18)

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	01/27/2020	ND	1.83	91.3	2.00	16.5	
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3	
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2	
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3	
Total BTX	<0.300	0.300	01/27/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7330	16.0	01/28/2020	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	01/27/2020	ND	203	101	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	216	108	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 96.7 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/21/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 5 @ 2' (H000243-19)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	01/28/2020	ND	432	108	400	0.00		

Sample ID: SP 5 @ 3' (H000243-20)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/28/2020	ND	432	108	400	0.00	

Sample ID: SP 5 @ 4' (H000243-21)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/28/2020	ND	432	108	400	0.00	

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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:	01/24/2020	Sampling Date:	01/21/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 6 @ SURFACE (H000243-22)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/27/2020	ND	1.83	91.3	2.00	16.5		
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3		
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2		
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3		
Total BTEx	<0.300	0.300	01/27/2020	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	25200	16.0	01/28/2020	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	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	14.4	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 95.1 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/21/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 6 @ 1' (H000243-23)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/27/2020	ND	1.83	91.3	2.00	16.5		
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3		
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2		
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3		
Total BTEx	<0.300	0.300	01/27/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	01/28/2020	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	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 85.0 % 41-142

Surrogate: 1-Chlorooctadecane 98.3 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/21/2020
Reported:	01/28/2020	Sampling Type:	Soil
Project Name:	DIMENSIONS 6 CTB 12-27-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY, NM		

Sample ID: SP 6 @ 2' (H000243-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	01/28/2020	ND	432	108	400	0.00	

Sample ID: SP 6 @ 3' (H000243-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/28/2020	ND	432	108	400	0.00	

Sample ID: SP 6 @ 4' (H000243-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/28/2020	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

[illegible]

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Relinquished By: <i>Semi Rendy</i> Date: <i>1-21-20</i> Time: <i>5:00pm</i>		Received By: <i>Israel Pena</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Add'l Fax #: REMARKS:	
Relinquished By: <i>Israel Pena</i> Date: <i>1-24-20</i> Time: <i>8:00am</i>		Received By: <i>Tamara Adame</i>			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>2.7°C #113</i>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <i>JS</i>	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

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: Dimensions 6 CTB 12-27-19				State:				Zip:																					
Project Location: Eddy County, NM				Phone #:																									
Sampler Name: Simon Rendon				Fax #:																									
FOR LAB USE ONLY				MATRIX						PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	C1	BTEX	TPH EXT												
H000243																													
11	SP3 @ Surface	G	1			i					i		1-20-20	11:55 AM	✓	✓	✓												
12	SP3 @ 1'												1-20-20	12:40 PM	✓	✓	✓												
13	SP3 @ 2'												1-20-20	1:05 PM	✓														
14	SP4 @ Surface												1-20-20	1:25 PM	✓	✓	✓												
15	SP4 @ 1'												1-20-20	1:47 PM	✓	✓	✓												
16	SP4 @ 2'												1-20-20	2:25 PM	✓														
17	SP5 @ Surface												1-21-20	9:20 AM	✓	✓	✓												
18	SP5 @ 1'												1-21-20	9:30 AM	✓	✓	✓												
19	SP5 @ 2'												1-21-20	9:47 AM	✓														
20	SP5 @ 3'												1-21-20	10:05 AM	✓														

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Relinquished By: Simon Rendon <i>[Signature]</i>		Date: 1-21-20	Received By: Israel Pena <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:
Time: 5:00 pm			Time: 9:00 am		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:
Relinquished By: Israel Pena <i>[Signature]</i>		Date: 1-24-20	Received By: Jawara Elchikoff <i>[Signature]</i>		REMARKS:		
Time: 10:40			Time: 10:40				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		2.7c #113		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CHECKED BY: (Initials) SO.	

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Relinquished By:		Date: 1-21-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
[Signature]		Time: 5:00 pm	[Signature]	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date: 1-24-20	Received By:	REMARKS:	
[Signature]		Time: 16:40	[Signature]		
Delivered By: (Circle One)		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool Intact		(Initials)	
2.7°C #113		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		[Signature]	
		<input type="checkbox"/> No <input type="checkbox"/> No			

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