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E-MAIL: cbrunson@bbcinternational.com

DELINEATION/REMEDATION WORKPLAN

OXY – MITCHELL 21 FEDERAL 1 CTB (Leak Date: 6/24/19)

RP # 1RP-5533

This delineation workplan and remediation proposal addresses the releases associated with RP # 1RP-5533.

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 – SP2 (PURPLE shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP3 (BLUE shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP4 – SP5 (YELLOW shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP6 (PINK shade on diagram) will be excavated to a depth of 4 feet.

Bottom and sidewall confirmation samples will be collected every 75 feet.

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.

Incident ID	
District RP	2RP-5533
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?	52' (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 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.*

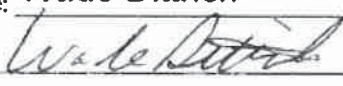
- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within 1/2-mile 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.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-5533
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: 9-20-19
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-5533
Facility ID	
Application ID	

Remediation Plan

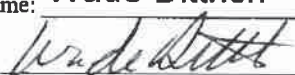
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ 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: 9-20-19
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, Mitchell 21 Federal 1 CTB

Leak date: 6/24/19
Eddy County, NM
2RP-5533

Legend

1 ft excavation

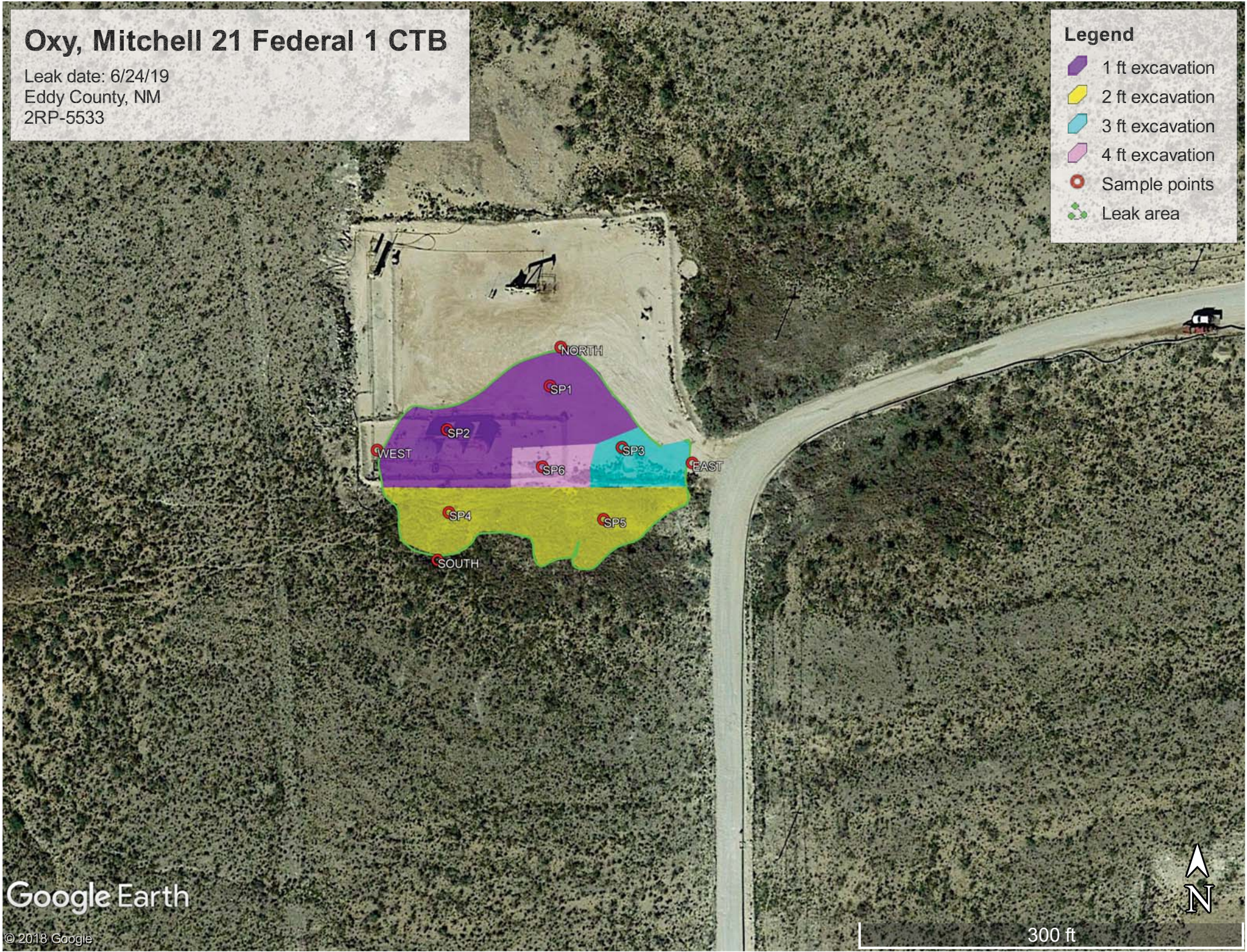
2 ft excavation

3 ft excavation

4 ft excavation

Sample points

Leak area



Oxy, Mitchell 21 Federal 1 CTB

Sample points

SP1, N 32.20555 W-103.98621

SP2, N 32.20546 W-103.98647

SP3, N 32.20542 W-103.98602

SP4, N 32.20528 W-103.98646

SP5, N 32.20527 W-103.98607

SP6, N 32.20538 W-103.98623

NORTH, N 32.20564 W-103.98618

SOUTH, N 32.20518 W-103.98649

EAST, N 32.20539 W-103.98585

WEST, N 32.20541 W-103.98664

Groundwater: 75'-100'





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National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:


Groundwater ▼

Geographic Area:

New Mexico ▼

GO

Click to hide News Bulletins

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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

Available data for this site

Groundwater: Field measurements ▼

GO

Eddy County, New Mexico

Hydrologic Unit Code --

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.

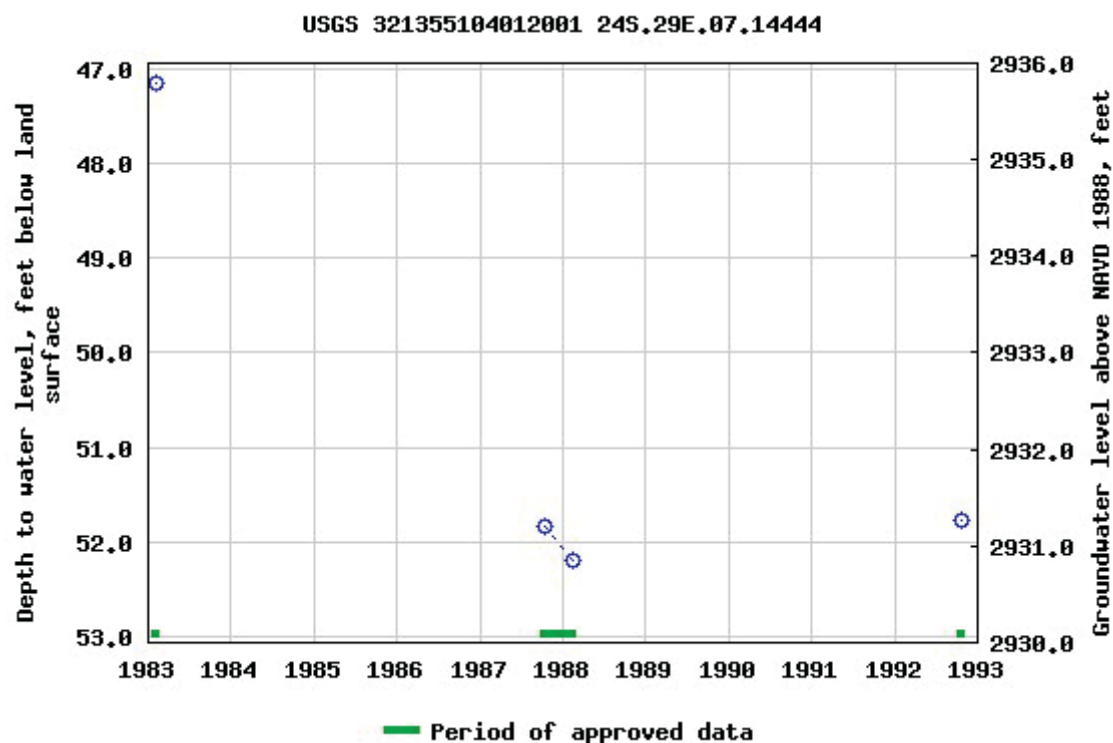
Output formats

[Table of data](#)

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Breaks in the plot represent a gap of at least one year between field measurements.

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Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=321355104012001&agency_c...)

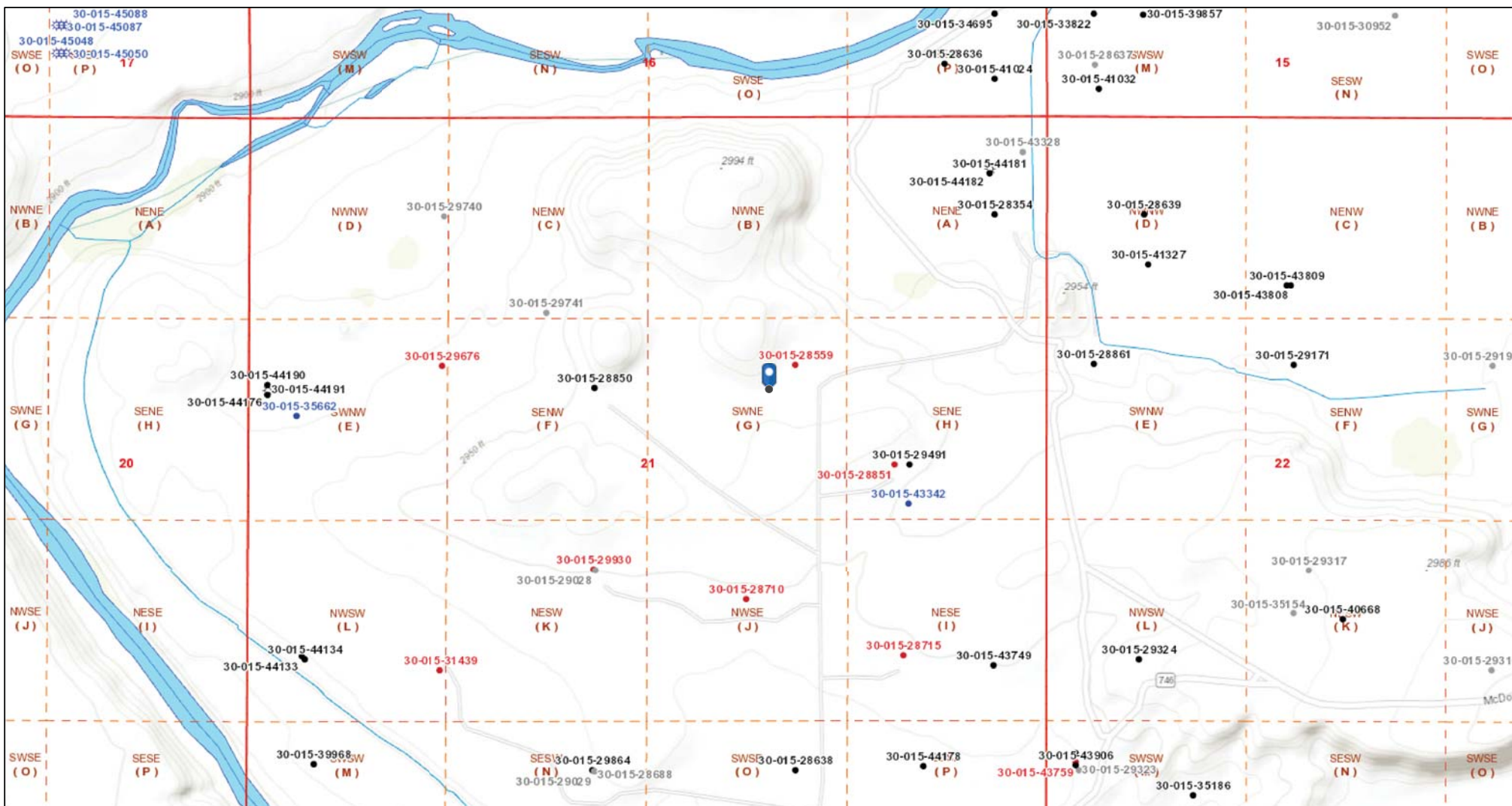


Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2019-07-23 11:10:54 EDT

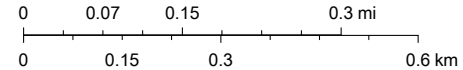
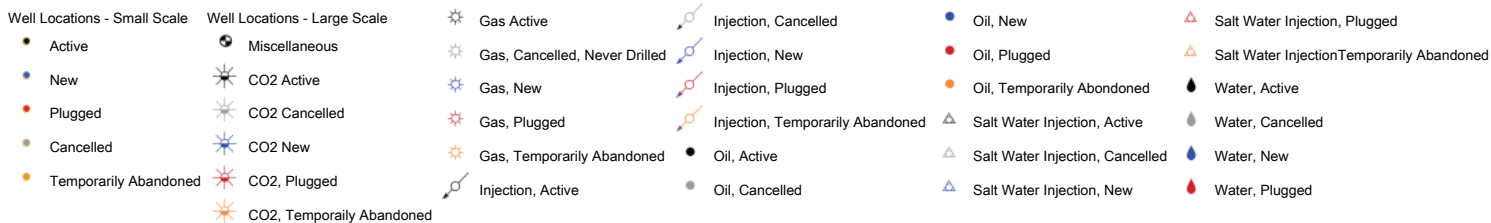
0.92 0.87 nadww02

Oxy, Mitchell 21 Federal 1 CTB



7/23/2019 10:45:51 AM

1:9,028





Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, OCD, BLM

Oxy, Mitchell 21 Federal 1 CTB

Leak date: 6/24/19
Eddy County, NM

BLM CAVE KARST MAP

Legend

-  Leak area
-  Medium potential



Google Earth

© 2018 Google

McDonald

746



1000 ft

National Flood Hazard Layer FIRMMette



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 D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

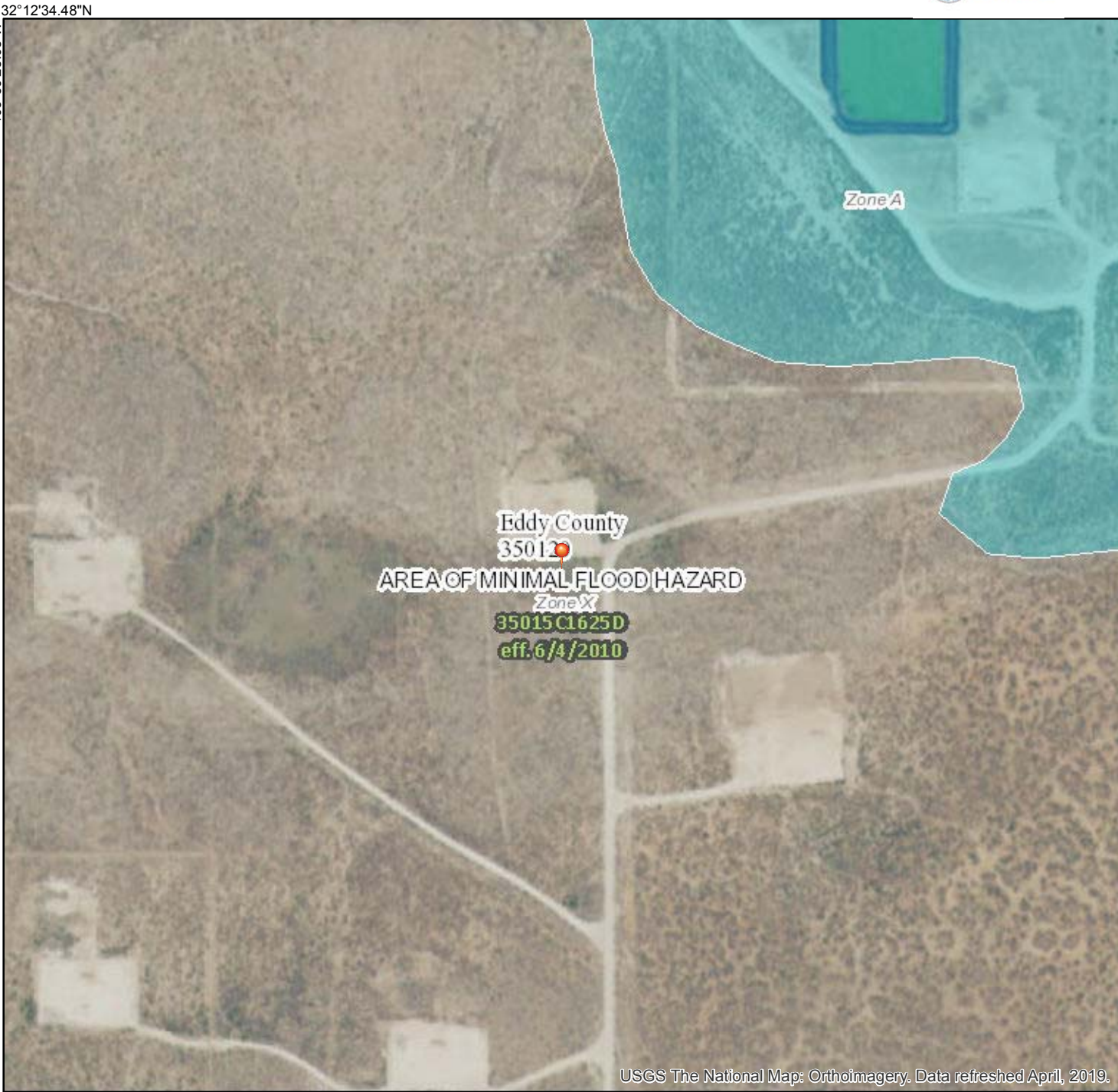


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/23/2019 at 12:55:28 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.



Laboratory Analytical Results Summary
Mitchell 21 Federal 1 CTB (6/24/19)

		Sample ID	NORTH @ SURFACE	EAST @ SURFACE	WEST @ SURFACE	SOUTH @ SURFACE
Analyte	Method	Date	9/3/19	9/3/19	9/3/19	9/3/19
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		240	224	256	208
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'
Analyte	Method	Date	9/3/19	9/3/19	9/3/19	9/3/19
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		33600	256	32	48
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		16.7	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a

		Sample ID	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	9/3/19	9/3/19	9/3/19	9/3/19
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		30000	400	64	32
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a

		Sample ID	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	9/3/19	9/3/19	9/3/19	9/3/19	9/3/19	9/3/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		8260	5440	1070	256	16	32
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		153	<10.0	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		45.6	<10.0	<10.0	n/a	n/a	n/a

Laboratory Analytical Results Summary
Mitchell 21 Federal 1 CTB (6/24/19)

		Sample ID	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	9/3/19	9/3/19	9/3/19	9/3/19
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		224	3960	32	32
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		435	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		187	<10.0	<10.0	n/a

		Sample ID	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	9/3/19	9/3/19	9/3/19	9/3/19
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		16000	784	32	16
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		221	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		103	<10.0	<10.0	n/a

		Sample ID	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'	SP6 @ 5'	SP6 @ 6'
Analyte	Method	Date	9/3/19	9/3/19	9/3/19	9/3/19	9/3/19	9/3/19	9/3/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		16	2800	1010	832	192	256	256
GRO	TPH 8015M		<50.0	<10.0	<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		13300	<10.0	<10.0	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		5190	<10.0	<10.0	<10.0	n/a	n/a	n/a

September 10, 2019

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MITCHELL 21 FEDERAL 1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/06/19 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: NORTH @ SURFACE (H903091-01)

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2019	ND	2.07	103	2.00	8.55	
Toluene*	<0.050	0.050	09/09/2019	ND	2.09	104	2.00	8.06	
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.13	107	2.00	9.32	
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.57	109	6.00	8.52	
Total BTEX	<0.300	0.300	09/09/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	<10.0	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 74.6 % 41-142

Surrogate: 1-Chlorooctadecane 77.1 % 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:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: EAST @ SURFACE (H903091-02)

BTX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2019	ND	2.07	103	2.00	8.55	
Toluene*	<0.050	0.050	09/09/2019	ND	2.09	104	2.00	8.06	
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.13	107	2.00	9.32	
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.57	109	6.00	8.52	
Total BTX	<0.300	0.300	09/09/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 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	224	16.0	09/09/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	<10.0	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 75.0 % 41-142

Surrogate: 1-Chlorooctadecane 79.1 % 37.6-147

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Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: WEST @ SURFACE (H903091-03)

BTX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2019	ND	2.07	103	2.00	8.55		
Toluene*	<0.050	0.050	09/09/2019	ND	2.09	104	2.00	8.06		
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.13	107	2.00	9.32		
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.57	109	6.00	8.52		
Total BTX	<0.300	0.300	09/09/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 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	256	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	<10.0	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 75.2 % 41-142

Surrogate: 1-Chlorooctadecane 76.4 % 37.6-147

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Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SOUTH @ SURFACE (H903091-04)

BTX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2019	ND	2.07	103	2.00	8.55	
Toluene*	<0.050	0.050	09/09/2019	ND	2.09	104	2.00	8.06	
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.13	107	2.00	9.32	
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.57	109	6.00	8.52	
Total BTX	<0.300	0.300	09/09/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/09/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	<10.0	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 79.7 % 41-142

Surrogate: 1-Chlorooctadecane 82.4 % 37.6-147

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Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 1 @ SURFACE (H903091-05)

BTEx 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2019	ND	2.06	103	2.00	4.25	
Toluene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	5.05	
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	2.37	
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.34	106	6.00	1.94	
Total BTEx	<0.300	0.300	09/09/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	33600	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	16.7	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 79.6 % 41-142

Surrogate: 1-Chlorooctadecane 84.3 % 37.6-147

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Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 1 @ 1' (H903091-06)

BTX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2019	ND	2.06	103	2.00	4.25		
Toluene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	5.05		
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	2.37		
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.34	106	6.00	1.94		
Total BTX	<0.300	0.300	09/09/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/09/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	<10.0	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 83.0 % 41-142

Surrogate: 1-Chlorooctadecane 86.8 % 37.6-147

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Fax To: (575) 397-0397

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 1 @ 2' (H903091-07)

BTX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2019	ND	2.06	103	2.00	4.25		
Toluene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	5.05		
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	2.37		
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.34	106	6.00	1.94		
Total BTX	<0.300	0.300	09/09/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 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	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	<10.0	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 87.5 % 41-142

Surrogate: 1-Chlorooctadecane 92.0 % 37.6-147

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Fax To: (575) 397-0397

Received: 09/06/2019
Reported: 09/10/2019
Project Name: MITCHELL 21 FEDERAL 1 CTB
Project Number: (6/24/19)
Project Location: OXY - EDDY CO NM

Sampling Date: 09/03/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 3' (H903091-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/09/2019	ND	416	104	400	0.00		

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Fax To: (575) 397-0397

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 2 @ SURFACE (H903091-09)

BTEx 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2019	ND	2.06	103	2.00	4.25		
Toluene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	5.05		
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	2.37		
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.34	106	6.00	1.94		
Total BTEx	<0.300	0.300	09/09/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 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	30000	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	<10.0	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 76.9 % 41-142

Surrogate: 1-Chlorooctadecane 80.2 % 37.6-147

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Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 2 @ 1' (H903091-10)

BTEx 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2019	ND	2.06	103	2.00	4.25		
Toluene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	5.05		
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	2.37		
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.34	106	6.00	1.94		
Total BTEX	<0.300	0.300	09/09/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	400	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	<10.0	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 82.0 % 41-142

Surrogate: 1-Chlorooctadecane 85.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 2 @ 2' (H903091-11)

BTEx 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2019	ND	2.06	103	2.00	4.25		
Toluene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	5.05		
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	2.37		
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.34	106	6.00	1.94		
Total BTEX	<0.300	0.300	09/09/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/09/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	<10.0	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 78.1 % 41-142

Surrogate: 1-Chlorooctadecane 81.7 % 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: 09/06/2019
Reported: 09/10/2019
Project Name: MITCHELL 21 FEDERAL 1 CTB
Project Number: (6/24/19)
Project Location: OXY - EDDY CO NM

Sampling Date: 09/03/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 3' (H903091-12)**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	09/09/2019	ND	416	104	400	0.00	

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Cliff Brunson
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Fax To: (575) 397-0397

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 3 @ SURFACE (H903091-13)

BTX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2019	ND	2.06	103	2.00	4.25	
Toluene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	5.05	
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	2.37	
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.34	106	6.00	1.94	
Total BTX	<0.300	0.300	09/09/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 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	8260	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	153	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	45.6	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 75.9 % 41-142

Surrogate: 1-Chlorooctadecane 87.3 % 37.6-147

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

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 3 @ 1' (H903091-14)

BTEx 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2019	ND	2.06	103	2.00	4.25		
Toluene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	5.05		
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	2.37		
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.34	106	6.00	1.94		
Total BTEX	<0.300	0.300	09/09/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	<10.0	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 74.4 % 41-142

Surrogate: 1-Chlorooctadecane 78.1 % 37.6-147

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Fax To: (575) 397-0397

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 3 @ 2' (H903091-15)

BTEx 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2019	ND	2.06	103	2.00	4.25		
Toluene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	5.05		
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	2.37		
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.34	106	6.00	1.94		
Total BTEX	<0.300	0.300	09/09/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	<10.0	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 77.0 % 41-142

Surrogate: 1-Chlorooctadecane 80.2 % 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: 09/06/2019
Reported: 09/10/2019
Project Name: MITCHELL 21 FEDERAL 1 CTB
Project Number: (6/24/19)
Project Location: OXY - EDDY CO NM

Sampling Date: 09/03/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 3' (H903091-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/09/2019	ND	416	104	400	0.00	

Sample ID: SP 3 @ 4' (H903091-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2019	ND	416	104	400	0.00	

Sample ID: SP 3 @ 5' (H903091-18)

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	09/09/2019	ND	416	104	400	0.00	

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Analytical Results For:

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Fax To: (575) 397-0397

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 4 @ SURFACE (H903091-19)

BTX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2019	ND	2.06	103	2.00	4.25	
Toluene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	5.05	
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	2.37	
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.34	106	6.00	1.94	
Total BTX	<0.300	0.300	09/09/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/09/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	435	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	187	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 74.6 % 41-142

Surrogate: 1-Chlorooctadecane 93.3 % 37.6-147

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

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 4 @ 1' (H903091-20)

BTX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2019	ND	2.06	103	2.00	4.25	
Toluene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	5.05	
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	2.37	
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.34	106	6.00	1.94	
Total BTX	<0.300	0.300	09/09/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 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	3960	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	200	100	200	0.279	
DRO >C10-C28*	<10.0	10.0	09/09/2019	ND	207	103	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 77.0 % 41-142

Surrogate: 1-Chlorooctadecane 80.5 % 37.6-147

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Fax To: (575) 397-0397

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 4 @ 2' (H903091-21)

BTEx 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2019	ND	2.06	103	2.00	4.25	
Toluene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	5.05	
Ethylbenzene*	<0.050	0.050	09/09/2019	ND	2.12	106	2.00	2.37	
Total Xylenes*	<0.150	0.150	09/09/2019	ND	6.34	106	6.00	1.94	
Total BTEX	<0.300	0.300	09/09/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 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	32.0	16.0	09/09/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2019	ND	207	103	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/09/2019	ND	215	107	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	09/09/2019	ND					

Surrogate: 1-Chlorooctane 83.4 % 41-142

Surrogate: 1-Chlorooctadecane 86.7 % 37.6-147

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Fax To: (575) 397-0397

Received: 09/06/2019
Reported: 09/10/2019
Project Name: MITCHELL 21 FEDERAL 1 CTB
Project Number: (6/24/19)
Project Location: OXY - EDDY CO NM

Sampling Date: 09/03/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 3' (H903091-22)**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	09/09/2019	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/06/2019
Reported: 09/10/2019
Project Name: MITCHELL 21 FEDERAL 1 CTB
Project Number: (6/24/19)
Project Location: OXY - EDDY CO NM

Sampling Date: 09/03/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ SURFACE (H903091-23)

BTX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/10/2019	ND	2.06	103	2.00	4.25		
Toluene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	5.05		
Ethylbenzene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	2.37		
Total Xylenes*	<0.150	0.150	09/10/2019	ND	6.34	106	6.00	1.94		
Total BTX	<0.300	0.300	09/10/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 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	16000	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2019	ND	207	103	200	2.73	
DRO >C10-C28*	221	10.0	09/10/2019	ND	215	107	200	2.83	
EXT DRO >C28-C36	103	10.0	09/10/2019	ND					

Surrogate: 1-Chlorooctane 55.5 % 41-142

Surrogate: 1-Chlorooctadecane 67.6 % 37.6-147

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

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 5 @ 1' (H903091-24)

BTX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/10/2019	ND	2.06	103	2.00	4.25	
Toluene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	5.05	
Ethylbenzene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	2.37	
Total Xylenes*	<0.150	0.150	09/10/2019	ND	6.34	106	6.00	1.94	
Total BTX	<0.300	0.300	09/10/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2019	ND	207	103	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/10/2019	ND	215	107	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	09/10/2019	ND					

Surrogate: 1-Chlorooctane 78.0 % 41-142

Surrogate: 1-Chlorooctadecane 81.7 % 37.6-147

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Cliff Brunson
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Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 5 @ 2' (H903091-25)

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/10/2019	ND	2.06	103	2.00	4.25		
Toluene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	5.05		
Ethylbenzene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	2.37		
Total Xylenes*	<0.150	0.150	09/10/2019	ND	6.34	106	6.00	1.94		
Total BTEX	<0.300	0.300	09/10/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2019	ND	207	103	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/10/2019	ND	215	107	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	09/10/2019	ND					

Surrogate: 1-Chlorooctane 79.7 % 41-142

Surrogate: 1-Chlorooctadecane 82.2 % 37.6-147

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Fax To: (575) 397-0397

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 5 @ 3' (H903091-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/09/2019	ND	416	104	400	0.00		

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Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 6 @ SURFACE (H903091-27)

BTEx 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/10/2019	ND	2.06	103	2.00	4.25		
Toluene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	5.05		
Ethylbenzene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	2.37		
Total Xylenes*	<0.150	0.150	09/10/2019	ND	6.34	106	6.00	1.94		
Total BTEx	<0.300	0.300	09/10/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/09/2019	ND	416	104	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	09/10/2019	ND	207	103	200	2.73	
DRO >C10-C28*	13300	50.0	09/10/2019	ND	215	107	200	2.83	
EXT DRO >C28-C36	5190	50.0	09/10/2019	ND					

Surrogate: 1-Chlorooctane 85.4 % 41-142

Surrogate: 1-Chlorooctadecane 556 % 37.6-147

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

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 6 @ 1' (H903091-28)

BTX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/10/2019	ND	2.06	103	2.00	4.25		
Toluene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	5.05		
Ethylbenzene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	2.37		
Total Xylenes*	<0.150	0.150	09/10/2019	ND	6.34	106	6.00	1.94		
Total BTX	<0.300	0.300	09/10/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 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	2800	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2019	ND	207	103	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/10/2019	ND	215	107	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	09/10/2019	ND					

Surrogate: 1-Chlorooctane 76.6 % 41-142

Surrogate: 1-Chlorooctadecane 79.3 % 37.6-147

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Fax To: (575) 397-0397

Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 6 @ 2' (H903091-29)

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/10/2019	ND	2.06	103	2.00	4.25		
Toluene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	5.05		
Ethylbenzene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	2.37		
Total Xylenes*	<0.150	0.150	09/10/2019	ND	6.34	106	6.00	1.94		
Total BTEX	<0.300	0.300	09/10/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 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	1010	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2019	ND	207	103	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/10/2019	ND	215	107	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	09/10/2019	ND					

Surrogate: 1-Chlorooctane 70.7 % 41-142

Surrogate: 1-Chlorooctadecane 73.8 % 37.6-147

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

Received: 09/06/2019
Reported: 09/10/2019
Project Name: MITCHELL 21 FEDERAL 1 CTB
Project Number: (6/24/19)
Project Location: OXY - EDDY CO NM

Sampling Date: 09/03/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 6 @ 3' (H903091-30)

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/10/2019	ND	2.06	103	2.00	4.25		
Toluene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	5.05		
Ethylbenzene*	<0.050	0.050	09/10/2019	ND	2.12	106	2.00	2.37		
Total Xylenes*	<0.150	0.150	09/10/2019	ND	6.34	106	6.00	1.94		
Total BTEX	<0.300	0.300	09/10/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	09/09/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/10/2019	ND	207	103	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/10/2019	ND	215	107	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	09/10/2019	ND					

Surrogate: 1-Chlorooctane 69.7 % 41-142

Surrogate: 1-Chlorooctadecane 72.4 % 37.6-147

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Received:	09/06/2019	Sampling Date:	09/03/2019
Reported:	09/10/2019	Sampling Type:	Soil
Project Name:	MITCHELL 21 FEDERAL 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	(6/24/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 6 @ 4' (H903091-31)

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	09/09/2019	ND	416	104	400	0.00	

Sample ID: SP 6 @ 5' (H903091-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/09/2019	ND	416	104	400	0.00	

Sample ID: SP 6 @ 6' (H903091-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/09/2019	ND	416	104	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.
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.
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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101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1084

Company Name: BBC International, Inc.				BILL TO												ANALYSIS REQUEST																			
Project Manager: Cliff Brunson				P.O. #:												<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CI</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH/EXT</div> </div>																			
Address: P.O. Box 805				Company: <i>Oxy</i>																															
City: Hobbs State: NM Zip: 88241				Attn: <i>W. D. Hrich</i>																															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																															
Project #: Project Owner: Oxy				City:																															
Project Name: Mitchell 21 Federal 1 CTB (6/24/19)				State: Zip:																															
Project Location: Eddy County, NM				Phone #:																															
Sampler Name: Jeff Ornelas				Fax #:																															
FOR LAB USE ONLY																																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING																									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																					
<i>H903091</i>																																			
<i>1</i>	NORTH @ SURFACE	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			9/3/19	9:01 AM	<i>✓</i>	<i>✓</i>	<i>✓</i>																		
<i>2</i>	EAST @ SURFACE												9/3/19	9:09 AM	<i>✓</i>	<i>✓</i>	<i>✓</i>																		
<i>3</i>	WEST @ SURFACE												9/3/19	9:15 AM	<i>✓</i>	<i>✓</i>	<i>✓</i>																		
<i>4</i>	SOUTH @ SURFACE												9/3/19	9:25 AM	<i>✓</i>	<i>✓</i>	<i>✓</i>																		
<i>5</i>	SP1 @ SURFACE												9/3/19	9:33 AM	<i>✓</i>	<i>✓</i>	<i>✓</i>																		
<i>6</i>	SP1 @ 1'												9/3/19	9:44 AM	<i>✓</i>	<i>✓</i>	<i>✓</i>																		
<i>7</i>	SP1 @ 2'												9/3/19	9:52 AM	<i>✓</i>	<i>✓</i>	<i>✓</i>																		
<i>8</i>	SP1 @ 3												9/3/19	9:59 AM	<i>✓</i>																				
<i>9</i>	SP2 @ SURFACE												9/3/19	10:01 AM	<i>✓</i>	<i>✓</i>	<i>✓</i>																		
<i>10</i>	SP2 @ 1'												9/3/19	10:10 AM	<i>✓</i>	<i>✓</i>	<i>✓</i>																		

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Relinquished By: <i>Jeff Ornelas</i>	Date: <i>9/3/19</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>5:00pm</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: <i>9-6-19</i>	Received By: <i>[Signature]</i>	REMARKS:	
	Time: <i>1:55</i>			
Delivered By: (Circle One) <i>-11.6°C</i> <i>#97</i>	Sample Condition	CHECKED BY: <i>[Signature]</i>		
	Cool Intact	(Initials)		
Sampler - UPS - Bus - Other: <i>Corrected -11.2°C</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>T.O.</i>		

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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

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: W. Dittich																																					
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																																					
Project #: Project Owner: Oxy				City:																																					
Project Name: Mitchell 21 Federal 1 CTB (6/24/19)				State: Zip:																																					
Project Location: Eddy County, NM				Phone #:																																					
Sampler Name: Jeff Ornelas				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													
H903091				G		1						✓										✓				9/3/19		10:15 AM		✓ ✓ ✓											
11		SP2 @ 2'		↓		↓						✓										✓				9/3/19		10:29 AM		✓											
12		SP2 @ 3'		↓		↓						✓										✓				9/3/19		10:33 AM		✓ ✓ ✓											
13		SP3 @ SURFACE		↓		↓						✓										✓				9/3/19		10:44 AM		✓ ✓ ✓											
14		SP3 @ 1'		↓		↓						✓										✓				9/3/19		10:55 AM		✓ ✓ ✓											
15		SP3 @ 2'		↓		↓						✓										✓				9/3/19		11:01 AM		✓											
16		SP3 @ 3'		↓		↓						✓										✓				9/3/19		11:15 AM		✓											
17		SP3 @ 4'		↓		↓						✓										✓				9/3/19		11:23 AM		✓											
18		SP3 @ 5'		↓		↓						✓										✓				9/3/19		11:29 AM		✓ ✓ ✓											
19		SP4 @ SURFACE		↓		↓						✓										✓				9/3/19		11:40 AM		✓ ✓ ✓											
20		SP4 @ 1'		↓		↓						✓										✓				9/3/19		11:40 AM		✓ ✓ ✓											

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Relinquished By: [Signature]		Date: 9/3/19 Time: 5:00p	Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Date: 9-6-19 Time: 13:55	Received By: [Signature]		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) -11.6E #97		Sample Condition Cool Intact	CHECKED BY: (Initials) T.O.		REMARKS:	
Sampler - UPS - Bus - Other: Corrected -11.2E		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

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3 of 4

[illegible]

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Relinquished By: <i>V. J. Jones</i>		Date: <i>9/13/19</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
		Time: <i>5:00pm</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
Relinquished By: _____		Date: <i>9-6-19</i>	Received By: <i>[Signature]</i>	REMARKS: _____	
		Time: <i>13:55</i>			
Delivered By: (Circle One) <i>-11.6°C</i> <i>#97</i>		Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: <i>Corrected -11.2°C</i>		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) <i>VO</i>		

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:															
Address: P.O. Box 805				Company: <i>Oxy</i>															
City: Hobbs		State: NM Zip: 88241		Attn: <i>W.D. Fitch</i>															
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:															
Project #:		Project Owner: Oxy		City:															
Project Name: Mitchell 21 Federal 1 CTB (6/24/19)				State: Zip:															
Project Location: Eddy County, NM				Phone #:															
Sampler Name: Jeff Ornelas				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME					
<i>H903091</i>																			
<i>31</i>	SP6 @ 4'	<i>6</i>	<i>1</i>			<i>✓</i>					<i>✓</i>		9/3/19	2:22 PM	<i>✓</i>				
<i>32</i>	SP6 @ 5'	<i>6</i>	<i>1</i>			<i>✓</i>					<i>✓</i>		9/3/19	2:34 PM	<i>✓</i>				
<i>33</i>	SP6 @ 6'	<i>6</i>	<i>1</i>			<i>✓</i>					<i>✓</i>		9/3/19	2:45 PM	<i>✓</i>				
<i>9/3/19 30</i>																			

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Relinquished By: <i>Vicki Ornelas</i>	Date: <i>9/3/19</i>	Received By: <i>VK</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>5:00p</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: <i>9-6-19</i>	Received By: <i>Jamara Ornelas</i>	REMARKS:	
	Time: <i>13:55</i>			
Delivered By: (Circle One) <i>-11.6c</i>	<i>#97</i>	Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: <i>Corrected -11.2c</i>		Cool Intact	<i>to</i>	
		<input type="checkbox"/> Yes <input type="checkbox"/> No		
		<input type="checkbox"/> No <input type="checkbox"/> No		

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