



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

DELINEATION/REMEDATION WORKPLAN

OXY – LOST TANK 33 FED 2 SWD (Leak Date: 1/12/21)

Incident ID: NAPP2103557979

This delineation workplan and remediation proposal addresses the releases associated with Incident ID #NAPP2103557979.

The following information includes:

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

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

OXY will excavate the spill area as depicted on the following site diagram. The leak area near SP1 – SP2 (PINK 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 2 feet. The leak area near SP4 (WHITE shade on diagram) will require zero excavation.

Bottom and sidewall confirmation samples will be collected at no greater than 300 square ft. intervals. Estimated volume of material to be removed is 102 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 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	NAPP2103557979
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	45 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

Form C-141

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2103557979
District RP	
Facility ID	
Application ID	

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

Printed Name: Wade Dittrich Title: Environmental CoordinatorSignature:  Date: 3-16-21email: wade_dittrich@oxy.com Telephone: (575) 390-2828**OCD Only**Received by: Cristina Eads Date: 03/19/2021

Form C-141

Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2103557979
District RP	
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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 CoordinatorSignature:  Date: 3-16-21email: wade_dittrich@oxy.com Telephone: (575) 390-2828**OCD Only**Received by: Cristina Eads Date: 03/19/2021☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature:  Date: 07/21/2021

Oxy Lost Tank 33 Fed 2 SWD

Leak Date: 1-12-2021
Eddy County, NM
Incident ID: NAPP2103557979

Legend

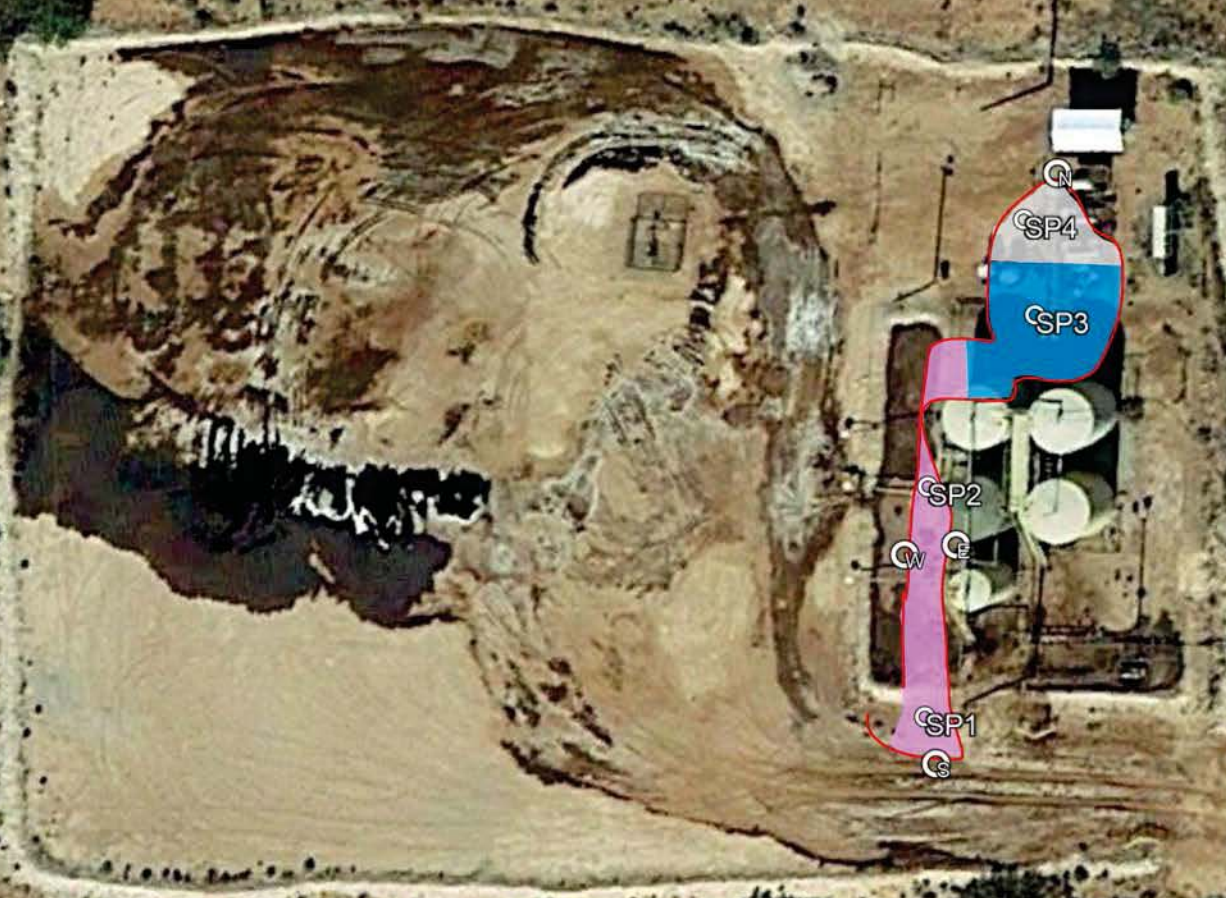
1' Excavation

2' Excavation

Leak Area

Sample Points

Zero Remediation



Oxy Lost Tank 33 Fed 2 SWD (1-12-21)

Sample points

SP1, N 32.42842 W 103.78953

SP2, N 32.42857 W 103.78953

SP3, N 32.42868 W 103.78944

SP4, N 32.42874 W 103.78945

NORTH, N 32.42878 W 103.78943

EAST, N 32.42853 W 103.78950

WEST, N 32.42853 W 103.78954

SOUTH, N 32.42839 W 103.78952



[USGS Home](#)
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National Water Information System: Web Interface[USGS Water Resources](#)

Data Category:
Groundwater

Geographic Area:
New Mexico

GO



Click for News Bulletins

Groundwater levels for New Mexico



Click to hide state-specific text

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 322836103485801

Minimum number of levels = 1

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

USGS 322836103485801 21S.31E.18.41133

Eddy County, New Mexico

Latitude 32°28'36", Longitude 103°48'58" NAD27

Land-surface elevation 3,309 feet above NAVD88

The depth of the well is 170 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measu
1959-04-15		D	62610		3148.60	NGVD29	3	Z		
1959-04-15		D	62611		3150.20	NAVD88	3	Z		
1959-04-15		D	72019	158.80			3	Z		
1972-09-14		D	62610		3149.08	NGVD29	1	Z		
1972-09-14		D	62611		3150.68	NAVD88	1	Z		
1972-09-14		D	72019	158.32			1	Z		
1976-12-03		D	62610		3149.46	NGVD29	1	Z		
1976-12-03		D	62611		3151.06	NAVD88	1	Z		
1976-12-03		D	72019	157.94			1	Z		
1983-01-19		D	62610		3149.21	NGVD29	1	Z		
1983-01-19		D	62611		3150.81	NAVD88	1	Z		
1983-01-19		D	72019	158.19			1	Z		
1987-10-14		D	62610		3150.18	NGVD29	1	Z		
1987-10-14		D	62611		3151.78	NAVD88	1	Z		
1987-10-14		D	72019	157.22			1	Z		

Explanation

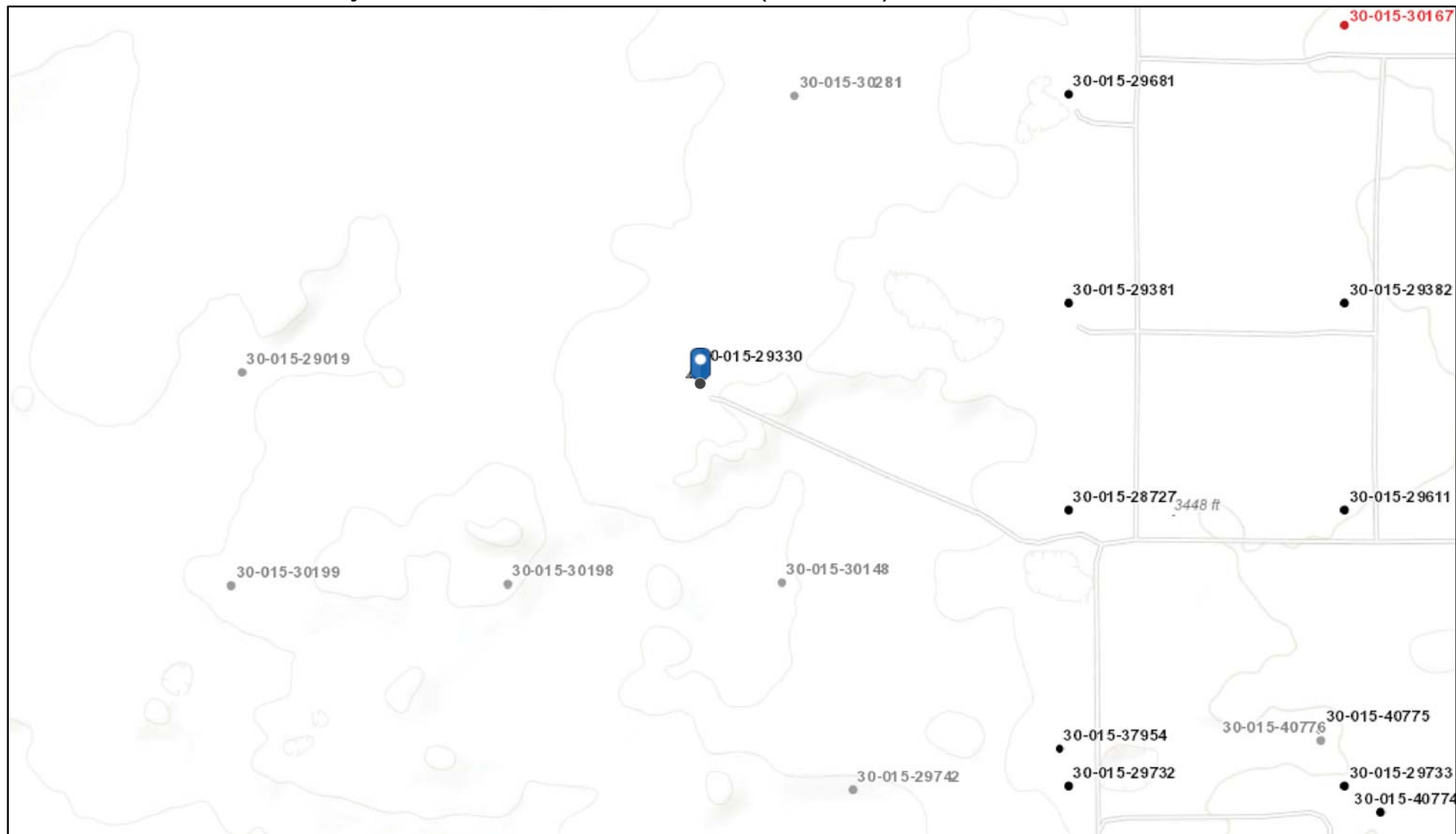
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	Above
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)[Feedback on this web site](#)[Automated retrievals](#)[Help](#)[Data Tips](#)[Explanation of terms](#)[Subscribe for system changes](#)[News](#)[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)[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: 2021-03-02 18:41:13 EST

0.44 0.3 nadww01

Oxy Lost Tank 33 Fed 2 SWD (1-12-21) + 3,000 ft to h2o



3/2/2021, 4:20:17 PM

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

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

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

New Mexico Oil Conservation Division


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

Oxy Lost Tank 33 Fed 2 SWD

Leak Date: 1-12-2021
Eddy County, NM
Incident ID: nAPP2103557979

BLM CAVE KARST MAP

Legend

 Leak Area



National Flood Hazard Layer FIRMette



103°47'41"W 32°25'58"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
OTHER FEATURES		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Hydrographic Feature
		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 3/2/2021 at 6:37 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.

Released to Imaging: 7/21/2021 3:07:57 PM

Received by OCD: 3/2/2021 11:29:34 AM

Laboratory Analytical Results Summary
Oxy, Lost Tank 33 Fed 2 SWD 1-12-21

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	2/19/21	2/19/21	2/19/21	2/19/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		32.0	32.0	304	16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	2/19/21	2/19/21	2/19/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		60800	128	64.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		580	<10.0	n/a
EXT DRO	TPH 8015M		174	<10.0	n/a

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	2/19/21	2/19/21	2/19/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		18600	944	160
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		197	<10.0	n/a
EXT DRO	TPH 8015M		102	<10.0	n/a

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	2/19/21	2/19/21	2/19/21	2/19/21
			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		6080	2960	976	192
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		334	28.1	<10.0	n/a
EXT DRO	TPH 8015M		433	36.1	<10.0	n/a

Laboratory Analytical Results Summary
Oxy, Lost Tank 33 Fed 2 SWD 1-12-21

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	2/19/21	2/19/21	2/19/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		256	96.0	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



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

February 25, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 33 FEDERAL #2 SWD

Enclosed are the results of analyses for samples received by the laboratory on 02/23/21 13:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: N @ SURFACE (H210428-01)

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	02/23/2021	ND	2.04	102	2.00	0.735		
Toluene*	<0.050	0.050	02/23/2021	ND	1.98	99.1	2.00	1.95		
Ethylbenzene*	<0.050	0.050	02/23/2021	ND	1.92	96.0	2.00	0.851		
Total Xylenes*	<0.150	0.150	02/23/2021	ND	5.62	93.6	6.00	0.465		
Total BTEX	<0.300	0.300	02/23/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/24/2021	ND	432	108	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	02/23/2021	ND	212	106	200	2.24	
DRO >C10-C28*	<10.0	10.0	02/23/2021	ND	221	110	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	02/23/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: E @ SURFACE (H210428-02)

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	02/23/2021	ND	2.04	102	2.00	0.735		
Toluene*	<0.050	0.050	02/23/2021	ND	1.98	99.1	2.00	1.95		
Ethylbenzene*	<0.050	0.050	02/23/2021	ND	1.92	96.0	2.00	0.851		
Total Xylenes*	<0.150	0.150	02/23/2021	ND	5.62	93.6	6.00	0.465		
Total BTEx	<0.300	0.300	02/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/24/2021	ND	432	108	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	02/23/2021	ND	212	106	200	2.24	
DRO >C10-C28*	<10.0	10.0	02/23/2021	ND	221	110	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	02/23/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 112 % 42.2-156

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Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: W @ SURFACE (H210428-03)

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	02/23/2021	ND	2.04	102	2.00	0.735	
Toluene*	<0.050	0.050	02/23/2021	ND	1.98	99.1	2.00	1.95	
Ethylbenzene*	<0.050	0.050	02/23/2021	ND	1.92	96.0	2.00	0.851	
Total Xylenes*	<0.150	0.150	02/23/2021	ND	5.62	93.6	6.00	0.465	
Total BTX	<0.300	0.300	02/23/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/24/2021	ND	432	108	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	02/23/2021	ND	212	106	200	2.24	
DRO >C10-C28*	<10.0	10.0	02/23/2021	ND	221	110	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	02/23/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S @ SURFACE (H210428-04)

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	02/23/2021	ND	2.04	102	2.00	0.735	
Toluene*	<0.050	0.050	02/23/2021	ND	1.98	99.1	2.00	1.95	
Ethylbenzene*	<0.050	0.050	02/23/2021	ND	1.92	96.0	2.00	0.851	
Total Xylenes*	<0.150	0.150	02/23/2021	ND	5.62	93.6	6.00	0.465	
Total BTX	<0.300	0.300	02/23/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/24/2021	ND	432	108	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	02/23/2021	ND	212	106	200	2.24	
DRO >C10-C28*	<10.0	10.0	02/23/2021	ND	221	110	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	02/23/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 114 % 42.2-156

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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:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H210428-05)

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	02/23/2021	ND	2.04	102	2.00	0.735		
Toluene*	<0.050	0.050	02/23/2021	ND	1.98	99.1	2.00	1.95		
Ethylbenzene*	<0.050	0.050	02/23/2021	ND	1.92	96.0	2.00	0.851		
Total Xylenes*	<0.150	0.150	02/23/2021	ND	5.62	93.6	6.00	0.465		
Total BTEx	<0.300	0.300	02/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	60800	16.0	02/24/2021	ND	432	108	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	02/23/2021	ND	212	106	200	2.24	
DRO >C10-C28*	580	10.0	02/23/2021	ND	221	110	200	2.52	
EXT DRO >C28-C36	174	10.0	02/23/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 117 % 42.2-156

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Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 1' (H210428-06)

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	02/23/2021	ND	2.04	102	2.00	0.735	
Toluene*	<0.050	0.050	02/23/2021	ND	1.98	99.1	2.00	1.95	
Ethylbenzene*	<0.050	0.050	02/23/2021	ND	1.92	96.0	2.00	0.851	
Total Xylenes*	<0.150	0.150	02/23/2021	ND	5.62	93.6	6.00	0.465	
Total BTX	<0.300	0.300	02/23/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/24/2021	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	02/23/2021	ND	212	106	200	2.24	
DRO >C10-C28*	<10.0	10.0	02/23/2021	ND	221	110	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	02/23/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 42.2-156

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Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 2' (H210428-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/24/2021	ND	416	104	400	0.00		

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Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H210428-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2021	ND	2.04	102	2.00	0.735	
Toluene*	<0.050	0.050	02/23/2021	ND	1.98	99.1	2.00	1.95	
Ethylbenzene*	<0.050	0.050	02/23/2021	ND	1.92	96.0	2.00	0.851	
Total Xylenes*	<0.150	0.150	02/23/2021	ND	5.62	93.6	6.00	0.465	
Total BTEx	<0.300	0.300	02/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18600	16.0	02/24/2021	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	02/23/2021	ND	212	106	200	2.24	
DRO >C10-C28*	197	10.0	02/23/2021	ND	221	110	200	2.52	
EXT DRO >C28-C36	102	10.0	02/23/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 137 % 42.2-156

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Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 1' (H210428-09)

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	02/23/2021	ND	2.04	102	2.00	0.735	
Toluene*	<0.050	0.050	02/23/2021	ND	1.98	99.1	2.00	1.95	
Ethylbenzene*	<0.050	0.050	02/23/2021	ND	1.92	96.0	2.00	0.851	
Total Xylenes*	<0.150	0.150	02/23/2021	ND	5.62	93.6	6.00	0.465	
Total BTX	<0.300	0.300	02/23/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	02/24/2021	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	02/23/2021	ND	212	106	200	2.24	
DRO >C10-C28*	<10.0	10.0	02/23/2021	ND	221	110	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	02/23/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 112 % 42.2-156

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Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 2' (H210428-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/24/2021	ND	416	104	400	0.00		

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Analytical Results For:

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Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H210428-11)

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	02/23/2021	ND	2.04	102	2.00	0.735	
Toluene*	<0.050	0.050	02/23/2021	ND	1.98	99.1	2.00	1.95	
Ethylbenzene*	<0.050	0.050	02/23/2021	ND	1.92	96.0	2.00	0.851	
Total Xylenes*	<0.150	0.150	02/23/2021	ND	5.62	93.6	6.00	0.465	
Total BTEx	<0.300	0.300	02/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6080	16.0	02/24/2021	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	02/23/2021	ND	212	106	200	2.24	
DRO >C10-C28*	334	10.0	02/23/2021	ND	221	110	200	2.52	
EXT DRO >C28-C36	433	10.0	02/23/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 125 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 1' (H210428-12)

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	02/23/2021	ND	2.04	102	2.00	0.735	
Toluene*	<0.050	0.050	02/23/2021	ND	1.98	99.1	2.00	1.95	
Ethylbenzene*	<0.050	0.050	02/23/2021	ND	1.92	96.0	2.00	0.851	
Total Xylenes*	<0.150	0.150	02/23/2021	ND	5.62	93.6	6.00	0.465	
Total BTX	<0.300	0.300	02/23/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	02/24/2021	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	02/23/2021	ND	212	106	200	2.24	
DRO >C10-C28*	28.1	10.0	02/23/2021	ND	221	110	200	2.52	
EXT DRO >C28-C36	36.1	10.0	02/23/2021	ND					

Surrogate: 1-Chlorooctane 95.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 2' (H210428-13)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2021	ND	2.04	102	2.00	0.735	
Toluene*	<0.050	0.050	02/23/2021	ND	1.98	99.1	2.00	1.95	
Ethylbenzene*	<0.050	0.050	02/23/2021	ND	1.92	96.0	2.00	0.851	
Total Xylenes*	<0.150	0.150	02/23/2021	ND	5.62	93.6	6.00	0.465	
Total BTX	<0.300	0.300	02/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	02/24/2021	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	02/23/2021	ND	212	106	200	2.24	
DRO >C10-C28*	<10.0	10.0	02/23/2021	ND	221	110	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	02/23/2021	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 3' (H210428-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	02/24/2021	ND	416	104	400	0.00		

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Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ SURFACE (H210428-15)

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	02/23/2021	ND	2.04	102	2.00	0.735		
Toluene*	<0.050	0.050	02/23/2021	ND	1.98	99.1	2.00	1.95		
Ethylbenzene*	<0.050	0.050	02/23/2021	ND	1.92	96.0	2.00	0.851		
Total Xylenes*	<0.150	0.150	02/23/2021	ND	5.62	93.6	6.00	0.465		
Total BTX	<0.300	0.300	02/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	02/24/2021	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	02/23/2021	ND	212	106	200	2.24	
DRO >C10-C28*	<10.0	10.0	02/23/2021	ND	221	110	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	02/23/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 42.2-156

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Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ 1' (H210428-16)

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	02/23/2021	ND	2.04	102	2.00	0.735	
Toluene*	<0.050	0.050	02/23/2021	ND	1.98	99.1	2.00	1.95	
Ethylbenzene*	<0.050	0.050	02/23/2021	ND	1.92	96.0	2.00	0.851	
Total Xylenes*	<0.150	0.150	02/23/2021	ND	5.62	93.6	6.00	0.465	
Total BTX	<0.300	0.300	02/23/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/24/2021	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	02/23/2021	ND	212	106	200	2.24	
DRO >C10-C28*	<10.0	10.0	02/23/2021	ND	221	110	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	02/23/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 42.2-156

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Analytical Results For:

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

Received:	02/23/2021	Sampling Date:	02/19/2021
Reported:	02/25/2021	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	(1-12-21)	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ 2' (H210428-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	02/24/2021	ND	416	104	400	0.00		

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Notes and Definitions

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

**ARDINAL LABORATORIES**

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Page 21 of 21

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: Lost Tank 33 Fed 2 SWD (1-12-21)				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	CL	BTEX	TPH	EXT	
11	SP3 @ Surface	G	1										2/19/21	11:18 AM	✓	✓	✓		
12	SP3 @ 1'												2/19/21	11:32 AM	✓	✓	✓		
13	SP3 @ 2'												2/19/21	11:41 AM	✓	✓	✓		
14	SP3 @ 3'												2/19/21	11:53 AM	✓				
15	SP4 @ Surface												2/19/21	12:44 PM	✓	✓	✓		
16	SP4 @ 1'												2/19/21	12:53 PM	✓	✓	✓		
17	SP4 @ 2'												2/19/21	1:09 PM	✓				

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Relinquished By:	Date: 2-23-21	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Simon Rendon</i>	Time: 7:AM	<i>Israel Kena</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 2-23-21	Received By:	REMARKS:	
<i>Israel Kena</i>	Time: 1:00PM	<i>Jodi Henson</i>		
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: 2.9¢ / #113	Cool Intact	(Initials)		
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>JS</i>		

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 21394

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 21394
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	If confirmation samples do not meet Table I Closure Criteria, additional remediation will be required.	7/21/2021