

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2109159441
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

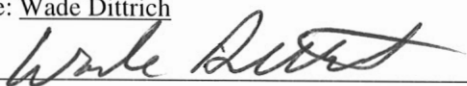
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich

Title: Environmental Specialist

Signature: 

Date: 11/22/22

email: wade_dittrich@oxy.com

Telephone: 575-390-2828

OCD Only

Received by: Robert Hamlet

Date: 02/20/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Robert Hamlet

Date: 02/20/2023

Printed Name: Robert Hamlet

Title: Environmental Specialist - Advanced



CLOSURE REPORT

Property:

Silver NC 33

**Eddy County, New Mexico
32.265268 N, 103.784912 W
NMOCD Incident ID: NAPP2109159441**

July 11, 2022
Ensolum Project No. 03B1417029

Prepared for:

**Oxy USA Inc.
P.O. Box 4294
Houston, TX 77210
Attn: Mr. Wade Dittrich**

Prepared by:


Beaux Jennings
Senior Project Manager

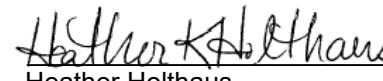

Heather Holthaus
Senior Project Manager



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CLOSURE REPORT

Silver NC 33

Eddy County, New Mexico
32.265268 N, 103.784912 W
NMOCD Incident ID: NAPP2109159441

Ensolum Project No. 03B1417029

1.0 INTRODUCTION

1.1 Executive Summary

- On March 17, 2021, a release of crude oil was reported from an unsealed wheel valve isolating a pig launcher from the main line at the Silver NC 33, hereinafter referred to as the "Site". Approximately 12 barrels (bbls) of crude oil were released. A vacuum truck was brought in and recovered approximately 10 bbls of crude oil. A *Delineation Workplan*, dated May 2021, was prepared by BBC International Inc. (BBC) on behalf of Oxy USA Inc. (Oxy). The workplan stated that the release area would be excavated to a depth of one (1) to six (6) feet below ground surface (bgs). In April 2022, Tex-Mex Rentals & Service LLC (Tex-Mex) began excavating the release area with a backhoe, a hydrovac excavator and hand digging. The excavated soils were taken off-Site for proper disposal.
- On April 29, 2022, Ensolum, LLC (Ensolum) arrived on-Site and collected 10 composite soil samples from the excavation floor (FS-1 through FS-10) at depths ranging from 0.25 to five (5) feet bgs. In addition, Ensolum collected five (5) composite soil samples from the excavation sidewalls (A1-SW-1, A1-SW-2, A3-NSW, A3-SSW and A4-SW) at depths ranging from 0-2 to 0-3 feet bgs. Based on laboratory analytical data, further excavation was required at floor sample locations FS-6, FS-7, FS-8, FS-9 and FS-10 and at side wall sample location A1-SW-2.
- On May 20, 2022, subsequent to additional excavation based on laboratory analytical data, Ensolum arrived on-Site and collected five (5) additional composite soil samples from the excavation floor (FS-6 through FS-10) at depths ranging from 0.25 to seven (7) feet bgs, and one (1) additional composite soil sample from the excavation sidewall (A1-SW-2) at a depth of 0-3 feet bgs.
- The primary objective of the closure activities was to reduce chemical of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) Closure Criteria for Soils Impacted by a Release using the New Mexico Administrative Code (NMAC) 19.15.29 *Releases* as guidance.
- The final excavation area was broken down into four (4) areas. Area 1 (FS-7 through FS-10) measured approximately 36 feet by 39 feet with depths ranging from 5.5 to seven (7) feet. Area 2 (FS-6) measured approximately 21 feet by 18 feet with a depth of 0.25 feet. Area 3 (FS-4 and FS-5) measured approximately 159 feet by 4.5 feet with a depth of two (2) feet. Area 4 (FS-1, FS-2 and FS-3) measured approximately 24 feet by 40 feet with a depth of 2.5 feet.

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- A total of 15 composite soil samples from 10 locations were collected from the excavation floor (FS-1 through FS-10), and six (6) composite soil samples from five (5) locations from the excavation sidewalls (A1-SW-1, A1-SW-2, A3-NSW, A3-SSW and A4-SW).
- Based on the laboratory analytical results, the final composite soil samples collected from the excavation floor and sidewalls did not exhibit benzene, total benzene, toluene, ethylbenzene, and xylene (BTEX), total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO) and/or motor oil range organics (MRO) or chloride concentrations above the applicable NMOCD Closure Criteria. Subsequent to the results of the confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal and the excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

1.2 Site Description & Background

Operator:	Oxy USA Inc. (Oxy)
Site Name:	Silver NC 33
Location:	32.265268 N, 103.784912 W Eddy County, New Mexico
Property:	Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On March 17, 2021, a release of crude oil was reported from an unsealed wheel valve isolating a pig launcher from the main line. Approximately 12 bbls of crude oil were released. A vacuum truck was brought in and recovered approximately 10 bbls of crude oil.

The Topographic Map depicting the location of the Site is included as **Figure 1**, the Site Vicinity Map is included as **Figure 2**, the Site Map indicating the locations of composite soil samples is included as **Figure 3**, and the Closure Criteria Map is included as **Figure 4** in **Appendix A**.

1.3 Project Objective

The primary objective of the closure activities was to reduce constituent of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD closure criteria concentrations.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references NMAC 19.15.29 *Releases*, which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum utilized information provided by Oxy, the general site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site.

- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or any other significant watercourse.

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- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet from an occupied permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database there are no private, domestic freshwater wells used by less than five (5) households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database there are no freshwater wells identified within 1,000 feet of the Site as declared in the previous bullet.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's GIS, Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the BLM, the Site is not located within an unstable area, also referred to as low karst.
- The Site is noted to be located within an area of minimal flood hazard.

Based on the identified siting criteria, cleanup goals for soils remaining in place at the Site include:

Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
≤50 feet	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

3.0 SOIL REMEDIATION ACTIVITIES

On March 17, 2021, a release of crude oil was reported from an unsealed wheel valve isolating a pig launcher from the main line. Approximately 12 bbls of crude oil were released. A vacuum truck was brought in and recovered approximately 10 bbls of crude oil. A *Delineation Workplan*, dated May 2021, was prepared by BBC on behalf of Oxy. The workplan stated that the release area would be excavated to a depth of one (1) to six (6) feet bgs.

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In April 2022, Oxy began excavating the release area with a backhoe and a hydrovac excavator. The excavated soils were taken off-Site for proper disposal. On March 24, 2022, Ensolum was contacted by Oxy with the purpose of sampling the area of the release to determine if further excavation was required.

On April 29, 2022, Ensolum arrived on-Site and collected 10 composite soil samples from the excavation floor (FS-1 through FS-10) at depths ranging from 0.25 to five (5) feet bgs. In addition, Ensolum collected five (5) composite soil samples from the excavation sidewalls (A1-SW-1, A1-SW-2, A3-NSW, A3-SSW and A4-SW) at depths ranging from 0-2 to 0-3 feet bgs. Based on laboratory analytical data, further excavation was required at floor sample locations FS-6, FS-7, FS-8, FS-9 and FS-10 and at side wall sample location A1-SW-2.

On May 20, 2022, subsequent to additional excavation based on laboratory analytical data, Ensolum arrived on-Site and collected five (5) additional composite soil samples from the excavation floor (FS-6 through FS-10) at depths ranging from 0.25 to seven (7) feet bgs, and one (1) additional composite soil sample from the excavation sidewall (A1-SW-2) at a depth of 0-3 feet bgs.

The composite soil samples were analyzed for BTEX, TPH and chloride in accordance with NMOCD Closure Criteria for Soils Impacted by a Release (NMOCD Closure Criteria).

The final excavation area was broken down into four (4) areas. Area 1 (FS-7 through FS-10) measured approximately 36 feet by 39 feet with depths ranging from 5.5 to seven (7) feet. Area 2 (FS-6) measured approximately 21 feet by 18 feet with a depth of 0.25 feet. Area 3 (FS-4 and FS-5) measured approximately 159 feet by 4.5 feet with a depth of 2 feet. Area 4 (FS-1, FS-2 and FS-3) measured approximately 24 feet by 40 feet with a depth of 2.5 feet. The excavated impacted soils were removed and taken off-Site for proper disposal.

The lithology encountered during the completion of sampling activities consisted primarily of a poorly graded very fine brown sand.

Figure 3 identifies approximate composite soil sample locations and approximate dimensions of the impacted area with respect to the Site (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

4.0 SOIL SAMPLING PROGRAM

Ensolum's composite soil sampling program included the collection of 15 soil samples from 10 locations from the excavation floor (FS-1 through FS-10), and 6 soil samples from 5 locations from the excavation sidewalls (A1-SW-1, A1-SW-2, A3-NSW, A3-SSW and A4-SW).

The composite soil samples were collected and placed in laboratory prepared glassware, labeled/sealed using laboratory supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Cardinal Laboratories in Hobbs, New Mexico for an expedited laboratory analysis.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX utilizing Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO utilizing EPA SW-846 Method 8015M, and chloride utilizing EPA Method 4500-Cl B.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

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6.0 DATA EVALUATION

Ensolum compared the benzene, total BTEX, TPH GRO/DRO/MRO, and chloride concentrations associated with the composite soil samples collected from the excavation floor and sidewalls (FS-1 through FS-10, A1-SW-1, A1-SW-2, A3-NSW, A3-SSW and A4-SW) to the applicable NMOCD Closure Criteria.

- Laboratory analytical results indicate benzene concentrations for the composite soil samples are below the laboratory sample detection limits (SDLs), which are below the applicable NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).
- Laboratory analytical results indicate that total BTEX concentrations for the composite soil samples below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the composite soil samples collected from the excavation floor and sidewalls (FS-7 at 2', FS-8 at 5', FS-9 at 5', FS-10 at 5' and A1-SW-2 at 0'-3') exhibited concentrations ranging from 174.5 milligrams per kilogram (mg/kg) to 1,411 mg/kg, which exceed the applicable NMOCD Closure Criteria of 100 mg/kg from ≤50 feet. The soils in these locations were subsequently removed and taken off-Site for proper disposal.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the final composite soil samples are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg from ≤50 feet.
- Laboratory analytical results indicate a chloride concentration for the composite soil sample at one (1) excavation floor sample location (FS-6 at 0'-0.25') exhibited a concentration of 608 mg/kg, which exceeds the applicable NMOCD Closure Criteria of 600 mg/kg from ≤50 feet. The soils in this area were subsequently removed and taken off-Site for proper disposal.
- Laboratory analytical results indicate chloride concentrations for the final composite soil samples collected exhibited chloride concentrations ranging from 16.0 mg/kg to 128 mg/kg, which are below the applicable NMOCD Closure Criteria of 600 mg/kg from ≤50 feet.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**.

7.0 RECLAMATION AND RE-VEGETATION

Subsequent to the results of the final confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal. The excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade. Once the area was brought back to original grade, a BLM approved seed mixture was sown into the surface area of the backfill for re-vegetation.

8.0 FINDINGS AND RECOMMENDATION

- On March 17, 2021, a release of crude oil was reported from an unsealed wheel valve isolating a pig launcher from the main line at the Silver NC 33. Approximately 12 bbls of crude oil were released. A vacuum truck was brought in and recovered approximately 10 bbls of crude oil. A *Delineation Workplan*, dated May 2021, was prepared by BBC on behalf of Oxy. The workplan stated that the release area would be excavated to a depth of one (1) to six (6) feet bgs. In April 2022, Tex-Mex began excavating the release area with a backhoe, a hydrovac excavator and hand digging. The excavated soils were taken off-Site for proper disposal.

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- On April 29, 2022, Ensolum arrived on-Site and collected 10 composite soil samples from the excavation floor (FS-1 through FS-10) at depths ranging from 0.25 to five (5) feet bgs. In addition, Ensolum collected five (5) composite soil samples from the excavation sidewalls (A1-SW-1, A1-SW-2, A3-NSW, A3-SSW and A4-SW) at depths ranging from 0-2 to 0-3 feet bgs. Based on laboratory analytical data, further excavation was required at floor sample locations FS-6, FS-7, FS-8, FS-9 and FS-10 and at side wall sample location A1-SW-2.
- On May 20, 2022, subsequent to additional excavation based on laboratory analytical data, Ensolum arrived on-Site and collected five (5) additional composite soil samples from the excavation floor (FS-6 through FS-10) at depths ranging from 0.25 to seven (7) feet bgs, and one (1) additional composite soil sample from the excavation sidewall (A1-SW-2) at a depth of 0-3 feet bgs.
- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release using the New Mexico EMNRD OCD's NMAC 19.15.29 *Releases* as guidance.
- The final excavation area was broken down into four (4) areas. Area 1 (FS-7 through FS-10) measured approximately 36 feet by 39 feet with depths ranging from 5.5 to seven (7) feet. Area 2 (FS-6) measured approximately 21 feet by 18 feet with a depth of 0.25 feet. Area 3 (FS-4 and FS-5) measured approximately 159 feet by 4.5 feet with a depth of two (2) feet. Area 4 (FS-1, FS-2 and FS-3) measured approximately 24 feet by 40 feet with a depth of 2.5 feet.
- A total of 15 composite soil samples from 10 locations were collected from the excavation floor (FS-1 through FS-10), and six (6) composite soil samples from five (5) locations from the excavation sidewalls (A1-SW-1, A1-SW-2, A3-NSW, A3-SSW and A4-SW).
- Based on the laboratory analytical results, the final composite soil samples collected from the excavation floor and sidewalls did not exhibit benzene, total BTEX, TPH GRO/DRO/MRO or chloride concentrations above the applicable NMOCD Closure Criteria. Subsequent to the results of the confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal and the excavated area was backfilled with clean fill material, contoured to the original surrounding grade and a BLM approved seed mixture was sown into the surface area of the backfill for re-vegetation.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties). This scope of services was performed in accordance with the scope of work agreed with the client, as detailed in our proposal.

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9.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings, and recommendations are based solely upon data available to Ensolum at the time of these services.

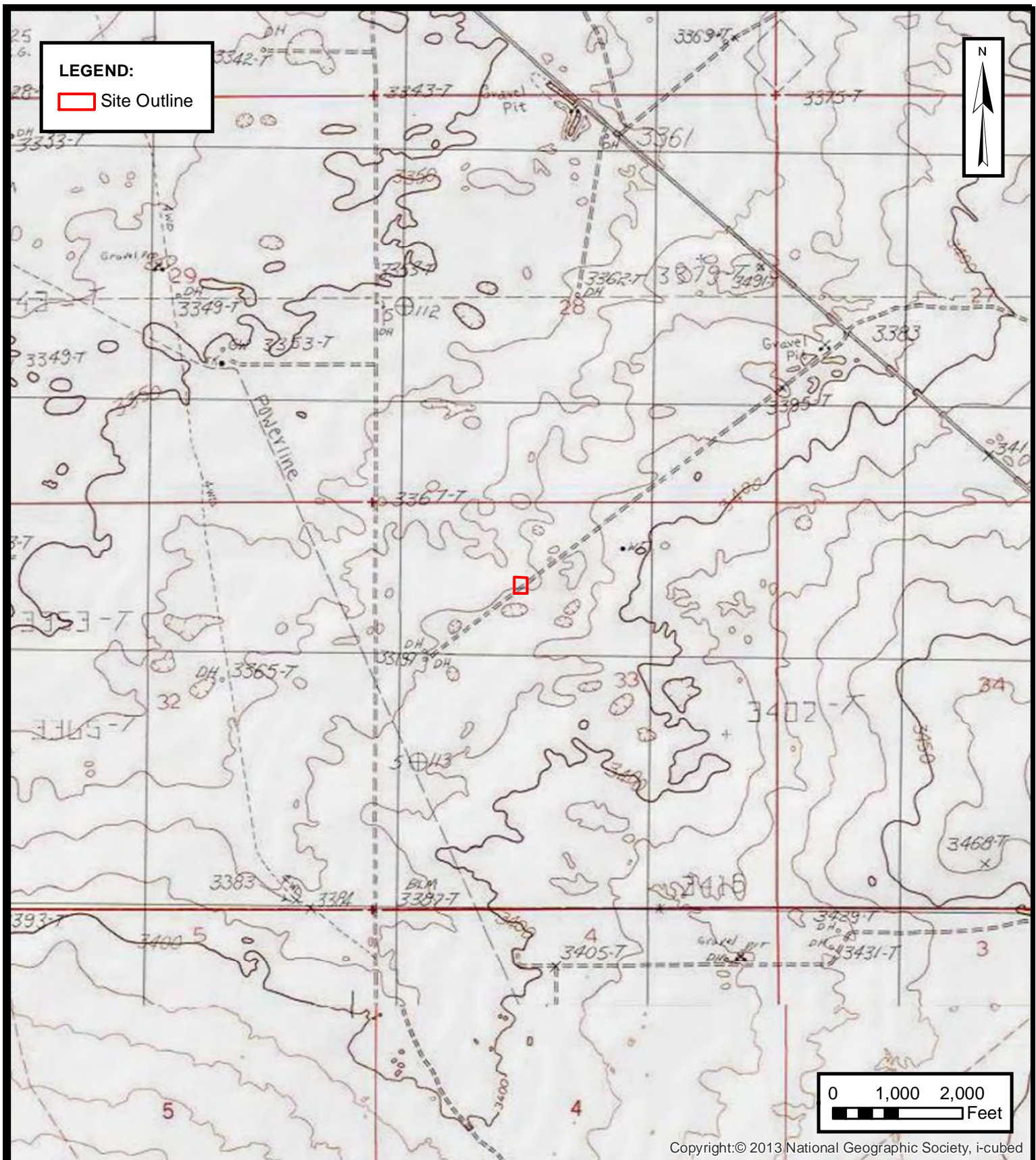
9.3 Reliance

This report has been prepared for the exclusive use of Oxy USA, Inc., and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization Oxy USA, Inc. and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Closure Report, and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



APPENDIX A

Figures



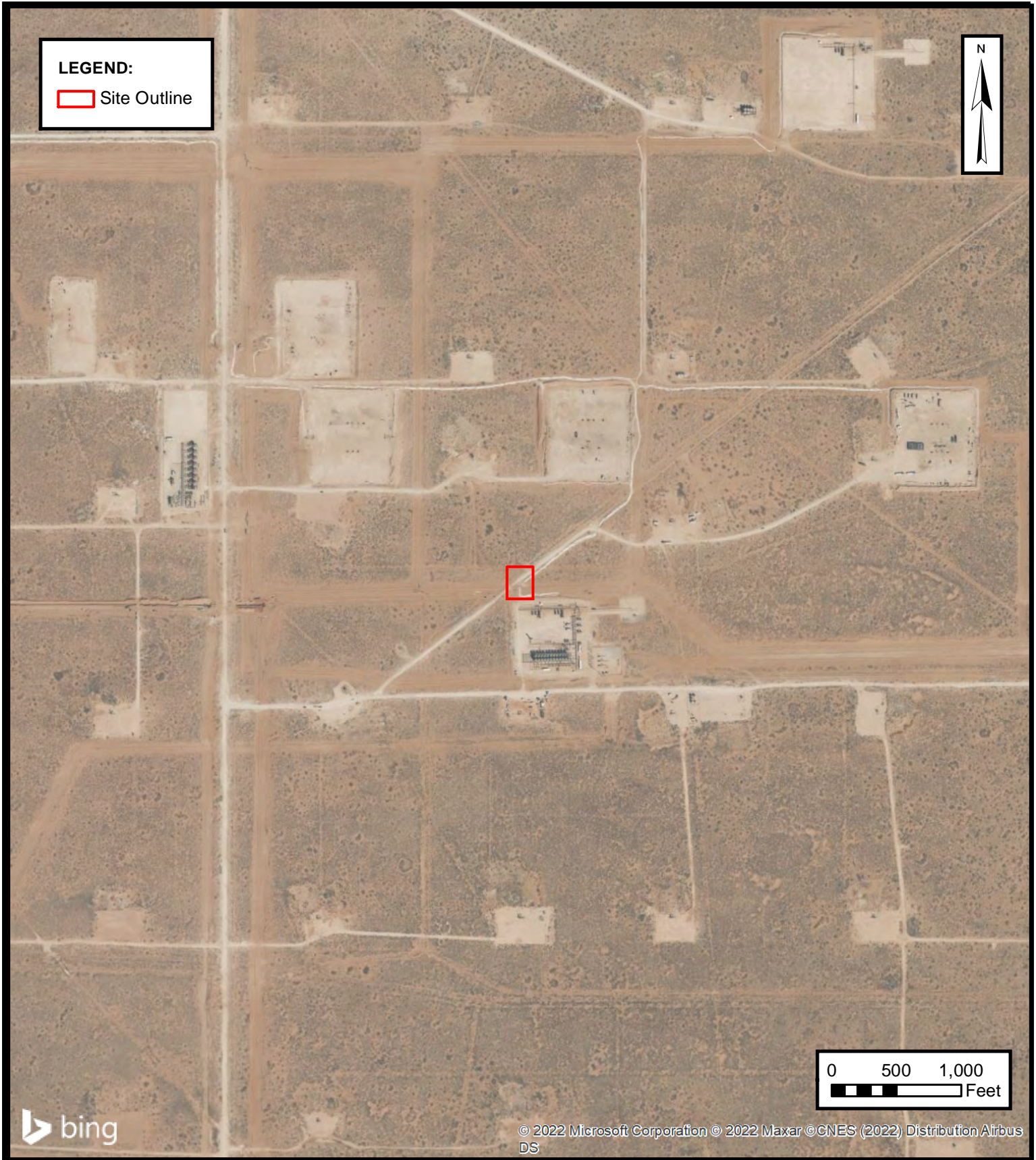
ENSOLUM
 Environmental & Hydrogeologic Consultants

TOPOGRAPHIC MAP

OXY USA INC.
 SILVER NC 33
 Eddy County, New Mexico
 32.265268° N, 103.784912° W

PROJECT NUMBER: 03B1417029

FIGURE
1



 **ENSOLUM**
Environmental & Hydrogeologic Consultants

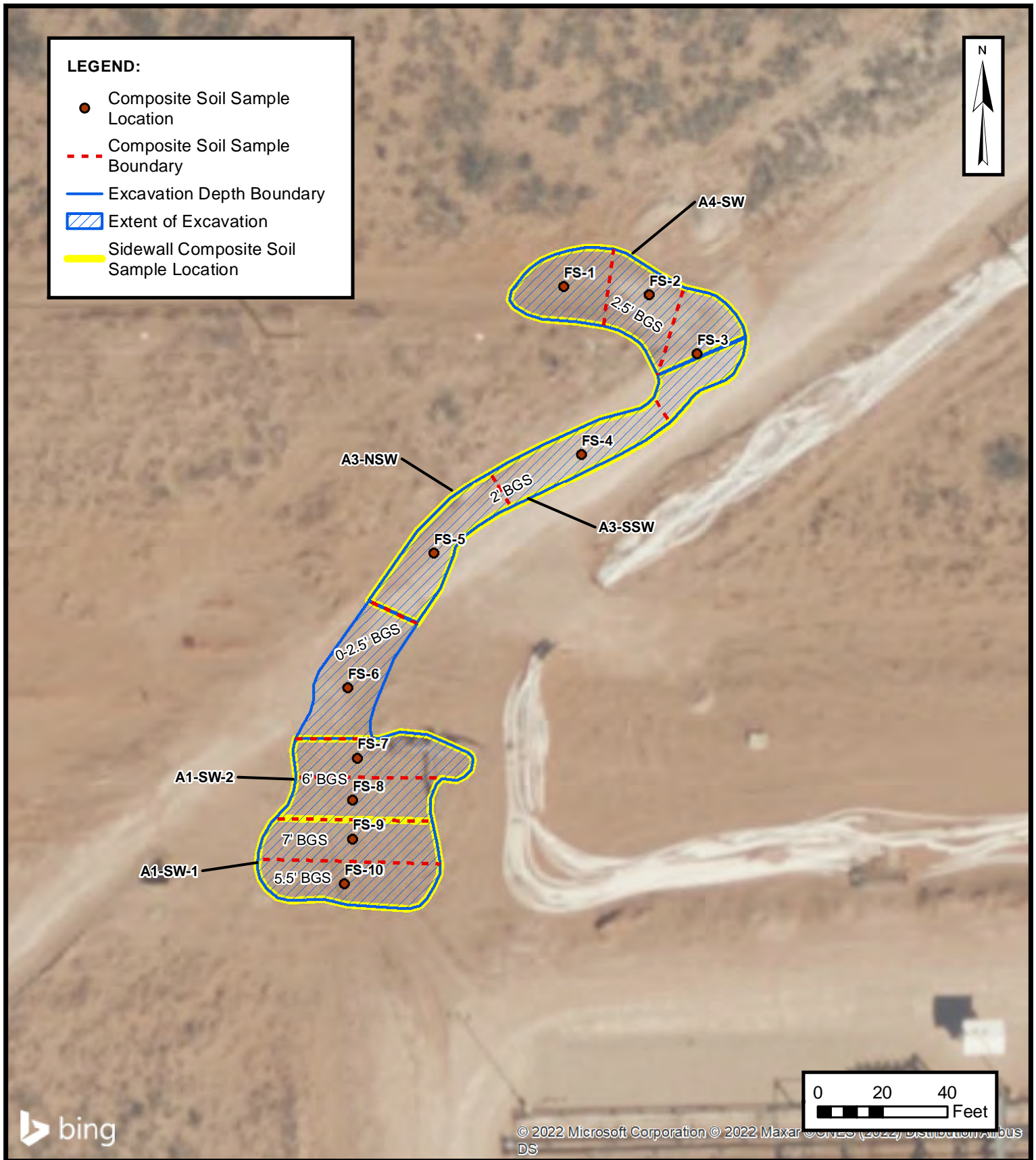
SITE VICINITY MAP

OXY USA INC.
SILVER NC 33
Eddy County, New Mexico
32.265268° N, 103.784912° W

PROJECT NUMBER: 03B1417029

FIGURE

2



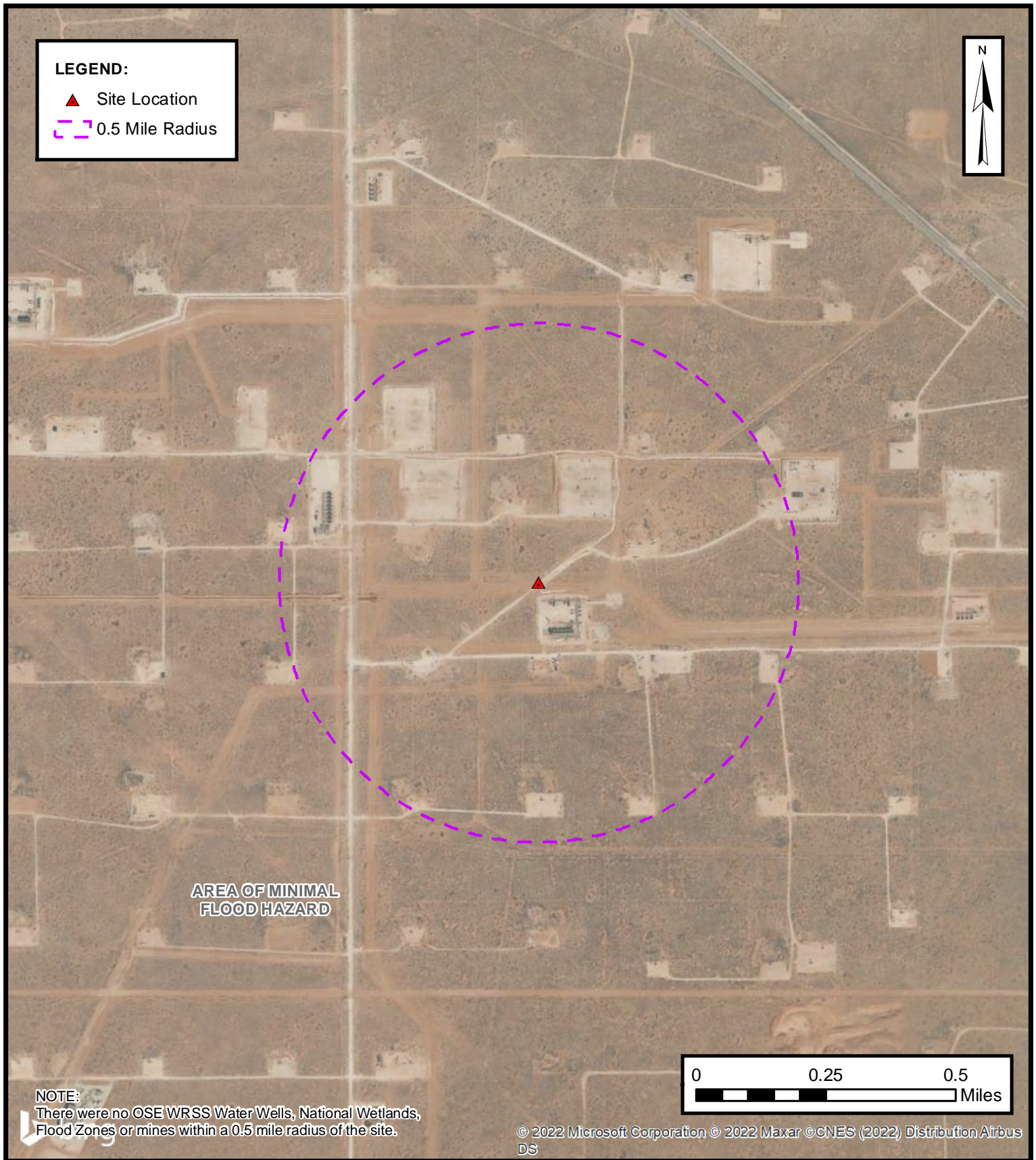
SITE MAP

OXY USA INC.
SILVER NC 33
Eddy County, New Mexico
32.265268° N, 103.784912° W

PROJECT NUMBER: 03B1417029

FIGURE

3





APPENDIX B

Supporting Documentation

Beaux Jennings

From: Morgan, Crisha A <camorgan@blm.gov>
Sent: Wednesday, April 6, 2022 9:44 AM
To: Beaux Jennings; CFO_Spill, BLM_NM
Subject: Re: [EXTERNAL] Silver NC 33, Incident ID: NAPP2109159441

My environmental review is as follows:

No cave/Karst
BLM Surface/BLM Minerals
No Wildlife Stipulations
No Archaeology survey will be required for this release as it is in a previously surveyed area.
This release will require BLM Seed Mix #2 for Sandy sites

Please consider this BLM's approval to begin remediation and clean up for this release. If you have any questions or need anything further, please let me know.

Thank you,

Crisha A. Morgan | Certified - Environmental Protection Specialist | Program Officer | COR | Spills
Coordinator | Orphaned Well POC Lead
Bureau of Land Management | Carlsbad Field Office
620 E. Greene Street Carlsbad, NM 88220
Cell 575-200-8648 | Office 575-234-5987 | camorgan@blm.gov



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From: Beaux Jennings <bjennings@ensolum.com>
Sent: Tuesday, April 5, 2022 2:23 PM
To: Morgan, Crisha A <camorgan@blm.gov>
Subject: [EXTERNAL] Silver NC 33, Incident ID: NAPP2109159441

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Ms. Morgan,

I'm working with Mr. Wade Dittrich (Oxy USA Inc.) on a few spills on BLM property. We are looking to start the excavation process in the next week or two, but wanted to get with you and have approval prior to any work being conducted. Our first site is Silver NC 33 (Incident ID: NAPP2109159441) in a right-of-way located at 32.265268, -103.784912. I've attached a kmz for your reference as well. What all do you need from us for approved access to the site? Thank you in advance for your help.



Beaux Jennings

Senior Project Manager

210-219-8858

Ensolum, LLC

in f t

Beaux Jennings

From: Beaux Jennings
Sent: Monday, April 25, 2022 11:33 AM
To: Hamlet, Robert, EMNRD
Cc: Bratcher, Mike, EMNRD; Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] Silver NC 33 Incident ID: NAPP2109159441

Friday, April 29, 2022.

-Beaux

From: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Sent: Monday, April 25, 2022 11:26 AM
To: Beaux Jennings <bjennings@ensolum.com>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Subject: RE: [EXTERNAL] Silver NC 33 Incident ID: NAPP2109159441

[**EXTERNAL EMAIL**]

Beaux,

Please include a date and time on all sampling notifications.

Regards,

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Monday, April 25, 2022 9:51 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Subject: Fw: [EXTERNAL] Silver NC 33 Incident ID: NAPP2109159441

From: Beaux Jennings <bjennings@ensolum.com>
Sent: Sunday, April 24, 2022 7:27 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>

Subject: [EXTERNAL] Silver NC 33 Incident ID: NAPP2109159441

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provided notification for sampling activities that will be conducted at the Silver NC 33 (Incident ID: NAPP2109159441). The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



Beaux Jennings

Senior Project Manager

210-219-8858

Ensolum, LLC





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 – SILVER NC-33 (Leak Date: 3/17/21)

Incident ID: NAPP2109159441

This delineation workplan and remediation proposal addresses the releases associated with Incident ID #NAPP2109159441.

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 (PURPLE shade on diagram) will be excavated to a depth of 6 feet. The leak area near SP2 (ORANGE shade on diagram) will be excavated to a depth of 4 feet. The leak area near SP3 and SP4 (BLUE shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP5 (GREEN shade on diagram) will be excavated to a depth of 4 feet. The leak area near SP6 (PINK shade on diagram) will be excavated to a depth of 1 foot.

OXY requests a variance to collect bottom and sidewall confirmation samples every 400 square feet. The estimated amount of soil to be excavated is 970 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.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2109159441
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OXY USA INC.	OGRID	16696
Contact Name	WADE DITTRICH	Contact Telephone	(575) 390-2828
Contact email	WADE_DITTRICH@OXY.COM	Incident # (assigned by OCD)	
Contact mailing address	PO BOX 4294; HOUSTON, TX 77210		

Location of Release Source

Latitude N 32.26482 Longitude W 103.78508
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	SILVER NC 33	Site Type	
Date Release Discovered	3-17-2021	API# (if applicable)	

Unit Letter	Section	Township	Range	County
C	33	23S	31E	EDDY COUNTY, NM

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 12 BBLS	Volume Recovered (bbls) 10BBLS
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

WHEEL VALVE ISOLATING PIG LAUNCHER FROM MAIN LINE NOT SEALED

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State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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: <u>Wade Dittrich</u> Signature: <u></u> email: <u>wade_dittrich@oxy.com</u>	Title: <u>Environmental Coordinator</u> Date: <u>3-30-21</u> Telephone: <u>(575) 390-2828</u>
<u>OCD Only</u> Received by: <u>Karen Collins</u> Date: <u>4/27/2021</u>	

Location of spill: Silver NC 33

Date of Spill: 3/17/2021

Site Soil Type: Fine Sand

Average Daily Production: BBL Oil BBL Water

Total Area Calculations						
Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	40 ft	X	50 ft	X	0 in	100%
Rectangle Area #2	44 ft	X	15 ft	X	0 in	100%
Rectangle Area #3	8 ft	X	130 ft	X	0 in	100%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

Porosity 0.16 gal per gal

Saturated Soil Volume Calculations:

		H2O		OIL	
Area #1	2000 sq. ft.	cu. ft.		33	cu. ft.
Area #2	660 sq. ft.	cu. ft.		11	cu. ft.
Area #3	1040 sq. ft.	cu. ft.		17	cu. ft.
Area #4	0 sq. ft.	cu. ft.			cu. ft.
Area #5	0 sq. ft.	cu. ft.			cu. ft.
Area #6	0 sq. ft.	cu. ft.			cu. ft.
Area #7	0 sq. ft.	cu. ft.			cu. ft.
Area #8	0 sq. ft.	cu. ft.			cu. ft.
Total Solid/Liquid Volume:	3,700 sq. ft.	cu. ft.		62	cu. ft.

Estimated Volumes Spilled

		H2O		OIL	
Liquid in Soil:		0.0 BBL		1.8	BBL
Liquid Recovered :		0.0 BBL		10.0	BBL
Spill Liquid		0.0 BBL		11.8	BBL
Total Spill Liquid:				11.8	

Recovered Volumes

Estimated oil recovered: 10.0 BBL
 Estimated water recovered: 0.0 BBL

Soil Type	Porosity
Clay	0.15
Peat	0.40
Glacial Sediments	0.13
Sandy Clay	0.12
Silt	0.16
Loess	0.25
Fine Sand	0.16
Medium Sand	0.25
Coarse Sand	0.26
Gravelly Sand	0.26
Fine Gravel	0.26
Medium Gravel	0.25
Coarse Gravel	0.18
Sandstone	0.25
Siltstone	0.18
Shale	0.05
Limestone	0.13
Basalt	0.19
Volcanic Tuff	0.20
Standing Liquids	

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 22849

CONDITIONS OF APPROVAL

Operator:	OXY USA INC	P.O. Box 4294	Houston, TX772104294	OGRID:	16696	Action Number:	22849	Action Type:	C-141
OCD Reviewer									Condition
kcollins									None

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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?	3196 (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.

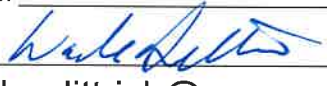
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Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 5-19-21
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

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Remediation Plan


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

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 5-19-21
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

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

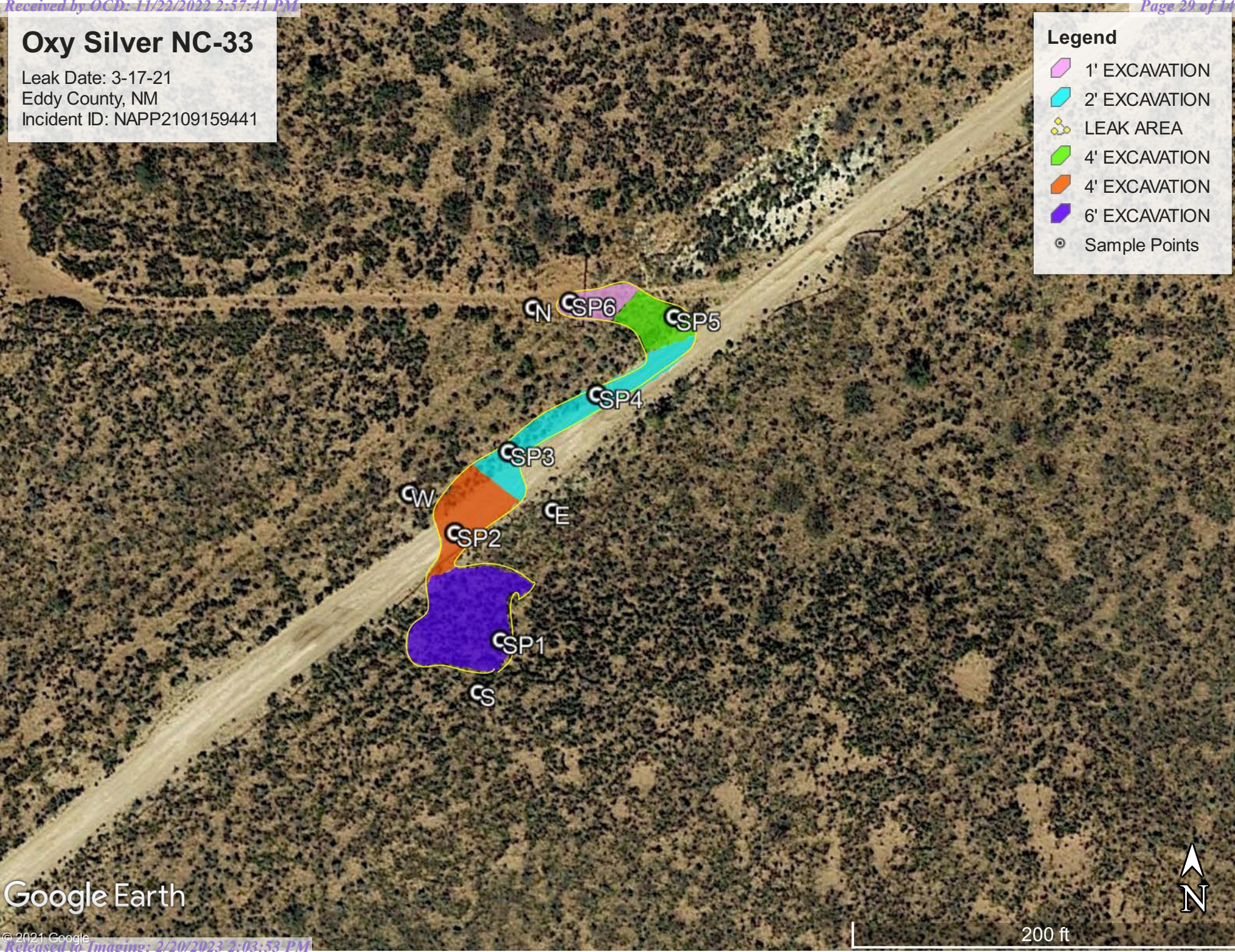
Signature: _____ Date: _____

Oxy Silver NC-33

Leak Date: 3-17-21
Eddy County, NM
Incident ID: NAPP2109159441

Legend

- 1' EXCAVATION
- 2' EXCAVATION
- LEAK AREA
- 4' EXCAVATION
- 4' EXCAVATION
- 6' EXCAVATION
- Sample Points



Google Earth

SAMPLE POINTS- SILVER NC 33(3-17-21)

SP1 N 32.264852° W-103.785080°

SP2 N 32.265004° W-103.785157°

SP3 N 32.265119° W-103.785067°

SP4 N 32.265200° W-103.784919°

SP5 N 32.265310° W-103.784789°

SP6 N 32.265331° W-103.784964°

SP N N 32.265323° W-103.785026°

SP E N 32.265036° W-103.784993°

SP S N 32.264778° W-103.785118°

SP W N 32.265060° W-103.785233°

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	4/13/21	4/13/21	4/13/21	4/13/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.483	0.467	0.519	1.04
Ethylbenzene	BTEX 8021B		0.154	0.176	0.161	0.279
Total Xylenes	BTEX 8021B		0.762	0.955	0.833	1.44
Total BTEX	BTEX 8021B		1.39	1.6	1.51	2.76
Chloride	SM4500Cl-B		<16.0	128.0	112.0	16.0
GRO	TPH 8015M		10.1	12.5	10.9	13.4
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'	SP1 @ 6'	SP1 @ 7'	SP1 @ 8'
Analyte	Method	Date	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.326	1.68	0.832	1.07	0.934	<0.50	<0.050	N/A	N/A
Toluene	BTEX 8021B		3.32	34.4	19	21.6	25.3	<0.50	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		1.25	24.4	14.7	15.6	17.7	<0.50	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		6.94	128	74	79.6	90.1	0.215	<0.050	N/A	N/A
Total BTEX	BTEX 8021B		11.8	189	109	118	134	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		32	32	<16.0	32.0	16.0	16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		338	4310	2510	2610	2750	19.9	<10.0	N/A	N/A
DRO	TPH 8015M		16600	18200	8510	8200	8230	513	12.1	N/A	N/A
EXT DRO	TPH 8015M		2760	2790	1170	1130	1130	92	<10.1	N/A	N/A

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 6'	SP2 @ 7'
Analyte	Method	Date	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.256	<0.050	<0.050	<0.500	<0.050	<0.050	<0.050	N/A
Toluene	BTEX 8021B		6.36	<0.050	<0.050	0.154	<0.050	<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		4.61	<0.050	<0.050	0.266	<0.050	<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		23.3	<0.050	<0.050	1.8	<0.050	<0.050	<0.050	N/A
Total BTEX	BTEX 8021B		34.5	<0.300	<0.300	2.22	<0.300	<0.300	<0.300	N/A
Chloride	SM4500Cl-B		48	16	48.0	48.0	112.0	32.0	16.0	32
GRO	TPH 8015M		792	<10.0	<10.0	30.7	<10.0	<10.0	<10.0	N/A
DRO	TPH 8015M		12800	176	16.4	684	84.6	<10.0	12.1	N/A
EXT DRO	TPH 8015M		2380	26.7	<10.0	77.9	<10.0	<10.0	<10.1	N/A

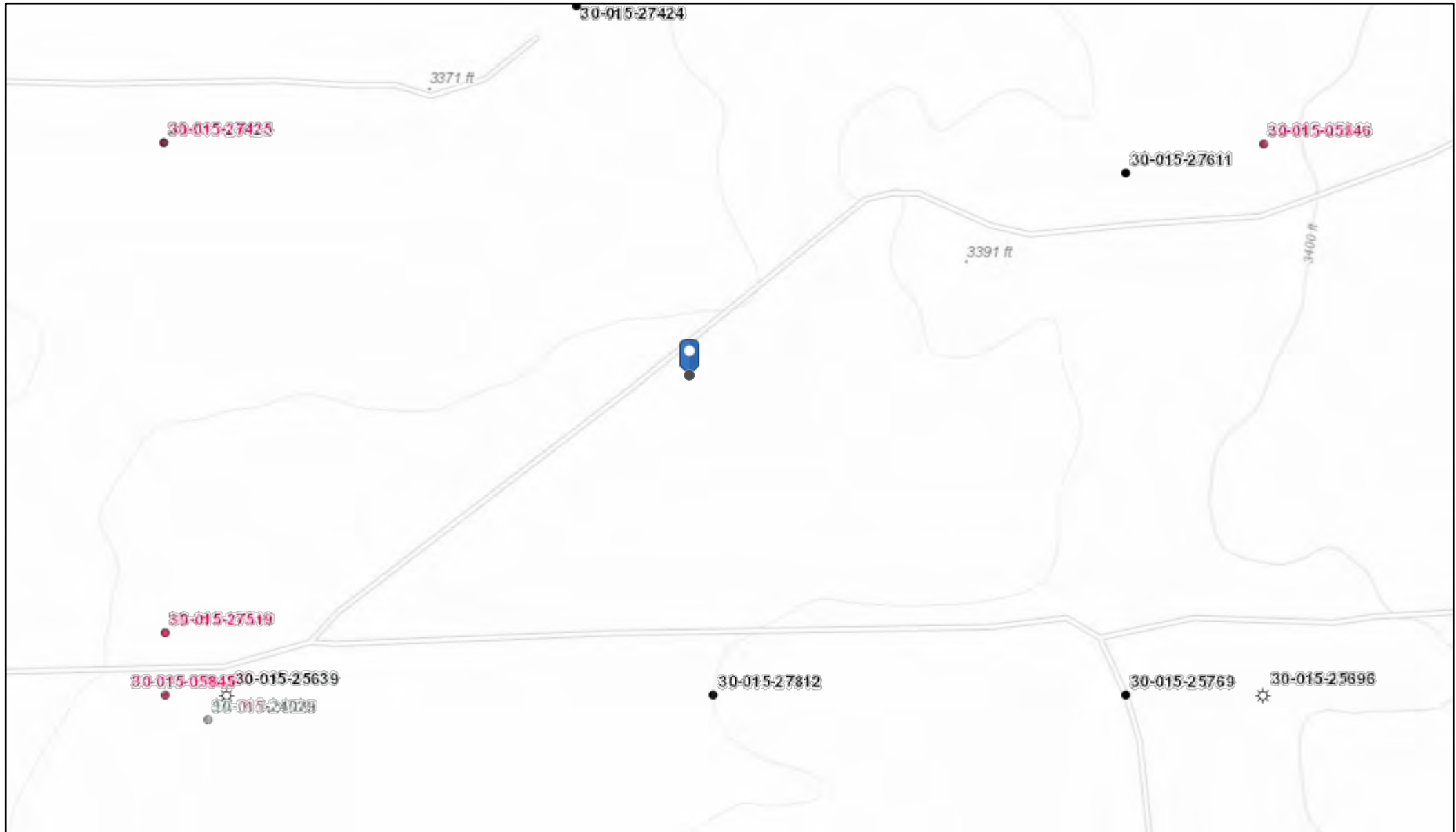
		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'
Analyte	Method	Date	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.381	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		7.82	<0.050	<0.050	<0.050	<0.050	<0.050	0.074
Ethylbenzene	BTEX 8021B		3.74	<0.050	<0.050	<0.050	<0.050	<0.050	0.06
Total Xylenes	BTEX 8021B		19.6	0.325	<0.150	<0.050	<0.050	0.166	0.323
Total BTEX	BTEX 8021B		31.3	0.325	<0.300	<0.300	<0.300	<0.300	0.458
Chloride	SM4500Cl-B		288	32.0	128.0	128.0	32.0	<16.0	<16.0
GRO	TPH 8015M		360	19.7	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		13300	574	133	<10.0	127	<10.0	<10.0
EXT DRO	TPH 8015M		3000	81.5	<10.0	<10.0	21.4	<10.0	<10.0

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'	SP4 @ 6'
Analyte	Method	Date	4/14/21	4/14/21	4/14/21	4/14/21	4/14/21	4/14/21	4/14/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.586	<0.050	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		11.4	0.417	<0.050	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		6.09	0.921	<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		32.6	6.53	<0.150	<0.050	<0.050	N/A	N/A
Total BTEX	BTEX 8021B		50.7	7.87	<0.300	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		48	48.0	48.0	16.0	112.0	32	<16.0
GRO	TPH 8015M		794	295	<10.0	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		19300	1820	63.7	37.1	<10.0	N/A	N/A
EXT DRO	TPH 8015M		6140	276	13.4	<10.0	<10.0	N/A	N/A

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'	SP5 @ 6'
Analyte	Method	Date	4/14/21	4/14/21	4/14/21	4/14/21	4/14/21	4/14/21	4/14/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.783	<0.050	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		22.4	<0.050	<0.050	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		13.8	<0.050	<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		79.3	<0.050	0.217	<0.050	<0.050	N/A	N/A
Total BTEX	BTEX 8021B		116	<0.300	<0.300	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		32	48.0	32.0	<16.0	16.0	<16.0	16
GRO	TPH 8015M		2010	<10.0	15.5	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		19300	148	357	154	33.7	N/A	N/A
EXT DRO	TPH 8015M		5000	23.4	68.9	23.8	<10.0	N/A	N/A

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'	SP6 @ 5'	SP6 @ 6'
Analyte	Method	Date	4/14/21	4/14/21	4/14/21	4/14/21	4/14/21	4/14/21	4/14/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.072	<0.050	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		2.48	<0.050	<0.050	<0.050	0.057	N/A	N/A
Ethylbenzene	BTEX 8021B		1.95	<0.050	<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		11.6	<0.050	0.217	<0.050	<0.050	N/A	N/A
Total BTEX	BTEX 8021B		16.1	<0.300	<0.300	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		32	16.0	32.0	48.0	16.0	<16.0	32
GRO	TPH 8015M		329	<10.0	<10.0	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		12300	185	85.8	87.3	57.7	N/A	N/A
EXT DRO	TPH 8015M		3180	30	13.3	14.6	<10.0	N/A	N/A

Oxy Silver NC 33 +3000ft to H2O (3-17-21)



4/2/2021, 9:28:50 AM

Wells - Large Scale



CO2, Cancelled



Gas, Active



Gas, Temporarily Abandoned



Injection, Plugged



undefined



CO2, New



Gas, Cancelled



Injection, Active



Miscellaneous



CO2, Plugged



Gas, New



Injection, Cancelled



CO2, Active



Gas, Temporarily Abandoned



Gas, Plugged



Injection, New

1:4,514

0 0.03 0.07 0.13 mi

0 0.05 0.1 0.2 km



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

Oxy Silver NC 33

Leak Date: 3-17-21
Eddy County, NM

BLM CAVE KARST MAP

Legend

-  Low Potential
-  Leak Area



National Flood Hazard Layer FIRMette



103°47'25"W 32°16'9"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 103°46'48"W 32°15'38"N

Released to Imaging: 2/20/2023 2:03:53 PM

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

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile 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
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 4/2/2021 at 11:39 AM 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.



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National Water Information System: Web Interface


USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

[illegible]

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

*** IMPORTANT: Next Generation Station Page**

Search Results -- 1 sites found

Agency code = usgs

```
site_no list =
```

- 321648103482101

Minimum number of levels = 1

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

USGS 321648103482101 23S.31E.29.11333

Eddy County, New Mexico

Latitude 32°16'48", Longitude 103°48'21" NAD27

Land-surface elevation 3,336 feet above NAVD88

The depth of the well is 220 feet below land surface.

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

This well is completed in the Dewey Lake Redbeds (312DYLK) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

Date	Time	<div><div>?</div>Water-level date-time accuracy</div>	<div><div>?</div>Parameter code</div>	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	<div><div>?</div>Status</div>	<div><div>?</div>Method of measurement</div>	<div><div>?</div>Measuring agency</div>	<div><div>?</div>Source of measurement</div>	<div><div>?</div>Water-level approval status</div>
1959-03-26		D	62610		3195.91	NGVD29	1	Z			A
1959-03-26		D	62611		3197.57	NAVD88	1	Z			A
1959-03-26		D	72019	138.43			1	Z			A
1972-09-20		D	62610		3194.44	NGVD29	3	Z			A
1972-09-20		D	62611		3196.10	NAVD88	3	Z			A

1972-09-20	D	72019	139.90	3	Z	A
------------	---	-------	--------	---	---	---

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

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

April 23, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: OXY SILVER NC 33

Enclosed are the results of analyses for samples received by the laboratory on 04/15/21 16:30.

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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



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

Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP @ N	H210968-01	Soil	13-Apr-21 09:10	15-Apr-21 16:30
SP @ E	H210968-02	Soil	13-Apr-21 09:22	15-Apr-21 16:30
SP @ W	H210968-03	Soil	13-Apr-21 09:37	15-Apr-21 16:30
SP @ S	H210968-04	Soil	13-Apr-21 09:51	15-Apr-21 16:30
SP 1 @ SURFACE	H210968-05	Soil	13-Apr-21 10:15	15-Apr-21 16:30
SP 1 @ 1'	H210968-06	Soil	13-Apr-21 10:26	15-Apr-21 16:30
SP 1 @ 2'	H210968-07	Soil	13-Apr-21 10:41	15-Apr-21 16:30
SP 1 @ 3'	H210968-08	Soil	13-Apr-21 10:54	15-Apr-21 16:30
SP 1 @ 4'	H210968-09	Soil	13-Apr-21 11:14	15-Apr-21 16:30
SP 1 @ 5'	H210968-10	Soil	13-Apr-21 11:26	15-Apr-21 16:30
SP 1 @ 6'	H210968-11	Soil	13-Apr-21 11:26	15-Apr-21 16:30
SP 1 @ 7'	H210968-12	Soil	13-Apr-21 11:52	15-Apr-21 16:30
SP 1 @ 8'	H210968-13	Soil	13-Apr-21 12:08	15-Apr-21 16:30
SP 2 @ SURFACE	H210968-14	Soil	13-Apr-21 12:47	15-Apr-21 16:30
SP 2 @ 1'	H210968-15	Soil	13-Apr-21 13:04	15-Apr-21 16:30
SP 2 @ 2'	H210968-16	Soil	13-Apr-21 13:16	15-Apr-21 16:30
SP 2 @ 3'	H210968-17	Soil	13-Apr-21 13:29	15-Apr-21 16:30
SP 2 @ 4'	H210968-18	Soil	13-Apr-21 13:38	15-Apr-21 16:30
SP 2 @ 5'	H210968-19	Soil	13-Apr-21 13:51	15-Apr-21 16:30
SP 2 @ 6'	H210968-20	Soil	13-Apr-21 14:04	15-Apr-21 16:30
SP 2 @ 7'	H210968-21	Soil	13-Apr-21 14:12	15-Apr-21 16:30
SP 3 @ SURFACE	H210968-22	Soil	13-Apr-21 14:23	15-Apr-21 16:30
SP 3 @ 1'	H210968-23	Soil	13-Apr-21 14:37	15-Apr-21 16:30
SP 3 @ 2'	H210968-24	Soil	13-Apr-21 14:40	15-Apr-21 16:30
SP 3 @ 3'	H210968-25	Soil	13-Apr-21 14:49	15-Apr-21 16:30
SP 3 @ 4'	H210968-26	Soil	13-Apr-21 14:57	15-Apr-21 16:30
SP 3 @ 5'	H210968-27	Soil	13-Apr-21 15:08	15-Apr-21 16:30

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 3 @ 6'	H210968-28	Soil	13-Apr-21 15:16	15-Apr-21 16:30
SP 4 @ SURFACE	H210968-29	Soil	14-Apr-21 08:55	15-Apr-21 16:30
SP 4 @ 1'	H210968-30	Soil	14-Apr-21 09:10	15-Apr-21 16:30
SP 4 @ 2'	H210968-31	Soil	14-Apr-21 09:23	15-Apr-21 16:30
SP 4 @ 3'	H210968-32	Soil	14-Apr-21 09:31	15-Apr-21 16:30
SP 4 @ 4'	H210968-33	Soil	14-Apr-21 09:42	15-Apr-21 16:30
SP 4 @ 5'	H210968-34	Soil	14-Apr-21 09:57	15-Apr-21 16:30
SP 4 @ 6'	H210968-35	Soil	14-Apr-21 10:08	15-Apr-21 16:30
SP 5 @ SURFACE	H210968-36	Soil	14-Apr-21 10:22	15-Apr-21 16:30
SP 5 @ 1'	H210968-37	Soil	14-Apr-21 10:31	15-Apr-21 16:30
SP 5 @ 2'	H210968-38	Soil	14-Apr-21 10:42	15-Apr-21 16:30
SP 5 @ 3'	H210968-39	Soil	14-Apr-21 10:51	15-Apr-21 16:30
SP 5 @ 4'	H210968-40	Soil	14-Apr-21 11:06	15-Apr-21 16:30
SP 5 @ 5'	H210968-41	Soil	14-Apr-21 11:16	15-Apr-21 16:30
SP 5 @ 6'	H210968-42	Soil	14-Apr-21 11:28	15-Apr-21 16:30
SP 6 @ SURFACE	H210968-43	Soil	14-Apr-21 11:40	15-Apr-21 16:30
SP 6 @ 1'	H210968-44	Soil	14-Apr-21 11:52	15-Apr-21 16:30
SP 6 @ 2'	H210968-45	Soil	14-Apr-21 12:07	15-Apr-21 16:30
SP 6 @ 3'	H210968-46	Soil	14-Apr-21 12:45	15-Apr-21 16:30
SP 6 @ 4'	H210968-47	Soil	14-Apr-21 12:53	15-Apr-21 16:30
SP 6 @ 5'	H210968-48	Soil	14-Apr-21 13:10	15-Apr-21 16:30
SP 6 @ 6'	H210968-49	Soil	14-Apr-21 13:17	15-Apr-21 16:30

04/23/21 - Client added BTEX and TPH to samples -27 and -28. This is the revised report and will replace the one sent on 04/20/21.

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP @ N
H210968-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	1041913	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Toluene*	0.483		0.050	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Ethylbenzene*	0.145		0.050	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Total Xylenes*	0.762		0.150	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Total BTEX	1.39		0.300	mg/kg	50	1041903	MS	19-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 73.3-129 1041903 MS 19-Apr-21 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	10.1		10.0	mg/kg	1	1041616	MS	19-Apr-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1041616	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1041616	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane 84.1 % 44.3-144 1041616 MS 19-Apr-21 8015B

Surrogate: 1-Chlorooctadecane 82.0 % 42.2-156 1041616 MS 19-Apr-21 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP @ E
H210968-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	1041913	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Toluene*	0.467		0.050	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Ethylbenzene*	0.176		0.050	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Total Xylenes*	0.955		0.150	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Total BTEX	1.60		0.300	mg/kg	50	1041903	MS	19-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.9 %	73.3-129		1041903	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	12.5		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			80.0 %	44.3-144		1041605	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			75.5 %	42.2-156		1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP @ W
H210968-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	1041913	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Toluene*	0.519		0.050	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Ethylbenzene*	0.161		0.050	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Total Xylenes*	0.833		0.150	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Total BTEX	1.51		0.300	mg/kg	50	1041903	MS	19-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.3 %		73.3-129	1041903	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	10.9		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			83.5 %		44.3-144	1041605	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			79.9 %		42.2-156	1041605	MS	19-Apr-21	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP @ S
H210968-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Toluene*	1.04		0.050	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Ethylbenzene*	0.278		0.050	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Total Xylenes*	1.44		0.150	mg/kg	50	1041903	MS	19-Apr-21	8021B	
Total BTEX	2.76		0.300	mg/kg	50	1041903	MS	19-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			95.9 %	73.3-129		1041903	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	13.4		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			81.3 %	44.3-144		1041605	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			77.9 %	42.2-156		1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 1 @ SURFACE**H210968-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	0.326		0.050	mg/kg	50	1041905	MS	20-Apr-21	8021B	
Toluene*	3.32		0.050	mg/kg	50	1041905	MS	20-Apr-21	8021B	
Ethylbenzene*	1.25		0.050	mg/kg	50	1041905	MS	20-Apr-21	8021B	
Total Xylenes*	6.94		0.150	mg/kg	50	1041905	MS	20-Apr-21	8021B	
Total BTEX	11.8		0.300	mg/kg	50	1041905	MS	20-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			148 %	73.3-129		1041905	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	338		50.0	mg/kg	5	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	16600		50.0	mg/kg	5	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	2760		50.0	mg/kg	5	1041605	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			189 %	44.3-144		1041605	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			678 %	42.2-156		1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 1 @ 1'
H210968-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	1.68		0.500	mg/kg	500	1041905	MS	20-Apr-21	8021B	
Toluene*	34.4		0.500	mg/kg	500	1041905	MS	20-Apr-21	8021B	
Ethylbenzene*	24.4		0.500	mg/kg	500	1041905	MS	20-Apr-21	8021B	
Total Xylenes*	128		1.50	mg/kg	500	1041905	MS	20-Apr-21	8021B	
Total BTEX	189		3.00	mg/kg	500	1041905	MS	20-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			174 %		73.3-129	1041905	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	4310		50.0	mg/kg	5	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	18200		50.0	mg/kg	5	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	2790		50.0	mg/kg	5	1041605	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			796 %		44.3-144	1041605	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			606 %		42.2-156	1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 1 @ 2'
H210968-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	0.832		0.200	mg/kg	200	1041905	MS	20-Apr-21	8021B	
Toluene*	19.0		0.200	mg/kg	200	1041905	MS	20-Apr-21	8021B	
Ethylbenzene*	14.7		0.200	mg/kg	200	1041905	MS	20-Apr-21	8021B	
Total Xylenes*	74.0		0.600	mg/kg	200	1041905	MS	20-Apr-21	8021B	
Total BTEX	109		1.20	mg/kg	200	1041905	MS	20-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			221 %	73.3-129		1041905	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	2510		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	8510		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	1170		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			390 %	44.3-144		1041605	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			317 %	42.2-156		1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 1 @ 3'
H210968-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	1.07		0.500	mg/kg	500	1041905	MS	20-Apr-21	8021B	
Toluene*	21.6		0.500	mg/kg	500	1041905	MS	20-Apr-21	8021B	
Ethylbenzene*	15.6		0.500	mg/kg	500	1041905	MS	20-Apr-21	8021B	
Total Xylenes*	79.6		1.50	mg/kg	500	1041905	MS	20-Apr-21	8021B	
Total BTEX	118		3.00	mg/kg	500	1041905	MS	20-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			156 %	73.3-129		1041905	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	2610		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	8200		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	1130		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			379 %	44.3-144		1041605	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			310 %	42.2-156		1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 1 @ 4'
H210968-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	0.934		0.500	mg/kg	500	1041905	MS	20-Apr-21	8021B	
Toluene*	25.3		0.500	mg/kg	500	1041905	MS	20-Apr-21	8021B	
Ethylbenzene*	17.7		0.500	mg/kg	500	1041905	MS	20-Apr-21	8021B	
Total Xylenes*	90.1		1.50	mg/kg	500	1041905	MS	20-Apr-21	8021B	
Total BTEX	134		3.00	mg/kg	500	1041905	MS	20-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			162 %	73.3-129		1041905	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	2750		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	8230		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	1130		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			381 %	44.3-144		1041605	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			273 %	42.2-156		1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 1 @ 5'
H210968-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total Xylenes*	0.215		0.150	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041905	MS	19-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	73.3-129		1041905	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	19.9		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	513		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	92.1		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			91.4 %	44.3-144		1041605	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			105 %	42.2-156		1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 1 @ 6'
H210968-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041905	MS	19-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.3 %		73.3-129	1041905	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	12.1		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			86.0 %		44.3-144	1041605	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			88.0 %		42.2-156	1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 1 @ 7'
H210968-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 1 @ 8'
H210968-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 2 @ SURFACE**H210968-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	0.256		0.100	mg/kg	100	1041905	MS	20-Apr-21	8021B	
Toluene*	6.36		0.100	mg/kg	100	1041905	MS	20-Apr-21	8021B	
Ethylbenzene*	4.61		0.100	mg/kg	100	1041905	MS	20-Apr-21	8021B	
Total Xylenes*	23.3		0.300	mg/kg	100	1041905	MS	20-Apr-21	8021B	
Total BTEX	34.5		0.600	mg/kg	100	1041905	MS	20-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		161 %		73.3-129		1041905	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	792		50.0	mg/kg	5	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	12800		50.0	mg/kg	5	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	2380		50.0	mg/kg	5	1041605	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane		225 %		44.3-144		1041605	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane		499 %		42.2-156		1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 2 @ 1'
H210968-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041905	MS	19-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.3 %		73.3-129	1041905	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	176		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	26.7		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.6 %		44.3-144	1041605	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.3 %		42.2-156	1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 2 @ 2'
H210968-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041905	MS	19-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.9 %		73.3-129	1041905	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	16.4		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.1 %		44.3-144	1041605	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.6 %		42.2-156	1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 2 @ 3'
H210968-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Toluene*	0.154		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Ethylbenzene*	0.266		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total Xylenes*	1.80		0.150	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total BTEX	2.22		0.300	mg/kg	50	1041905	MS	19-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			129 %	73.3-129		1041905	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	30.7		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	684		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	77.9		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			90.1 %	44.3-144		1041605	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	42.2-156		1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 2 @ 4'
H210968-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041905	MS	19-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.6 %		73.3-129	1041905	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	84.6		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			85.1 %		44.3-144	1041605	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			92.3 %		42.2-156	1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 2 @ 5'
H210968-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041905	MS	19-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.6 %		73.3-129	1041905	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.5 %		44.3-144	1041605	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			92.5 %		42.2-156	1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 2 @ 6'
H210968-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 2 @ 7'
H210968-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 3 @ SURFACE**H210968-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	288		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	0.381		0.100	mg/kg	100	1041905	MS	20-Apr-21	8021B	
Toluene*	7.82		0.100	mg/kg	100	1041905	MS	20-Apr-21	8021B	
Ethylbenzene*	3.74		0.100	mg/kg	100	1041905	MS	20-Apr-21	8021B	
Total Xylenes*	19.6		0.300	mg/kg	100	1041905	MS	20-Apr-21	8021B	
Total BTEX	31.6		0.600	mg/kg	100	1041905	MS	20-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			131 %	73.3-129		1041905	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	360		50.0	mg/kg	5	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	13300		50.0	mg/kg	5	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	3000		50.0	mg/kg	5	1041605	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			136 %	44.3-144		1041605	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			599 %	42.2-156		1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 3 @ 1'
H210968-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1041916	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total Xylenes*	0.325		0.150	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total BTEX	0.325		0.300	mg/kg	50	1041905	MS	19-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	73.3-129		1041905	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	19.7		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	574		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	81.5		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.8 %	44.3-144		1041605	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.4 %	42.2-156		1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 3 @ 2'
H210968-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041905	MS	19-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.2 %		73.3-129	1041905	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	133		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.5 %		44.3-144	1041605	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.0 %		42.2-156	1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 3 @ 3'
H210968-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Toluene*	<0.050	0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	1041905	MS	19-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		99.9 %		73.3-129	1041905	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	1041605	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>		74.4 %		44.3-144	1041605	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		75.0 %		42.2-156	1041605	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 3 @ 4'
H210968-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041905	MS	19-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.9 %		73.3-129	1041905	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	127		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	21.4		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.4 %		44.3-144	1041606	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.7 %		42.2-156	1041606	MS	19-Apr-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 3 @ 5'
H210968-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1042118	MS	22-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1042118	MS	22-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1042118	MS	22-Apr-21	8021B	
Total Xylenes*	0.166		0.150	mg/kg	50	1042118	MS	22-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1042118	MS	22-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.1 %	69.9-140		1042118	MS	22-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1042117	MS	22-Apr-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1042117	MS	22-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1042117	MS	22-Apr-21	8015B	

Surrogate: 1-Chlorooctane			114 %	44.3-133		1042117	MS	22-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			117 %	38.9-142		1042117	MS	22-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 3 @ 6'
H210968-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1042118	MS	22-Apr-21	8021B	
Toluene*	0.074		0.050	mg/kg	50	1042118	MS	22-Apr-21	8021B	
Ethylbenzene*	0.060		0.050	mg/kg	50	1042118	MS	22-Apr-21	8021B	
Total Xylenes*	0.323		0.150	mg/kg	50	1042118	MS	22-Apr-21	8021B	
Total BTEX	0.458		0.300	mg/kg	50	1042118	MS	22-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.6 %	69.9-140		1042118	MS	22-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1042117	MS	22-Apr-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1042117	MS	22-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1042117	MS	22-Apr-21	8015B	

Surrogate: 1-Chlorooctane			115 %	44.3-133		1042117	MS	22-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			121 %	38.9-142		1042117	MS	22-Apr-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 4 @ SURFACE**H210968-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	0.586		0.100	mg/kg	100	1041905	MS	20-Apr-21	8021B	
Toluene*	11.4		0.100	mg/kg	100	1041905	MS	20-Apr-21	8021B	
Ethylbenzene*	6.09		0.100	mg/kg	100	1041905	MS	20-Apr-21	8021B	
Total Xylenes*	32.6		0.300	mg/kg	100	1041905	MS	20-Apr-21	8021B	
Total BTEX	50.7		0.600	mg/kg	100	1041905	MS	20-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			183 %	73.3-129		1041905	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	794		50.0	mg/kg	5	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	19300		50.0	mg/kg	5	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	6140		50.0	mg/kg	5	1041606	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			236 %	44.3-144		1041606	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			678 %	42.2-156		1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 4 @ 1'
H210968-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Toluene*	0.417		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Ethylbenzene*	0.921		0.050	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total Xylenes*	6.53		0.150	mg/kg	50	1041905	MS	19-Apr-21	8021B	
Total BTEX	7.87		0.300	mg/kg	50	1041905	MS	19-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		187 %	73.3-129			1041905	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	295		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	1820		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	276		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane		119 %	44.3-144			1041606	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane		127 %	42.2-156			1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 4 @ 2'
H210968-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041907	MS	19-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.5 %		73.3-129	1041907	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	63.7		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	13.4		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			96.6 %		44.3-144	1041606	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			94.0 %		42.2-156	1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 4 @ 3'
H210968-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041907	MS	19-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.6 %		73.3-129	1041907	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	37.1		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.2 %		44.3-144	1041606	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.4 %		42.2-156	1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 4 @ 4'
H210968-33 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041907	MS	19-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.0 %		73.3-129	1041907	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.9 %		44.3-144	1041606	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.0 %		42.2-156	1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397Reported:
23-Apr-21 11:03**SP 4 @ 5'**
H210968-34 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 4 @ 6'
H210968-35 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 5 @ SURFACE**H210968-36 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	0.783		0.500	mg/kg	500	1041907	MS	20-Apr-21	8021B	
Toluene*	22.4		0.500	mg/kg	500	1041907	MS	20-Apr-21	8021B	
Ethylbenzene*	13.8		0.500	mg/kg	500	1041907	MS	20-Apr-21	8021B	
Total Xylenes*	79.3		1.50	mg/kg	500	1041907	MS	20-Apr-21	8021B	
Total BTEX	116		3.00	mg/kg	500	1041907	MS	20-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	148 %		73.3-129			1041907	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	2010		50.0	mg/kg	5	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	19300		50.0	mg/kg	5	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	5000		50.0	mg/kg	5	1041606	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane	348 %		44.3-144			1041606	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane	643 %		42.2-156			1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 5 @ 1'
H210968-37 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041907	MS	19-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.0 %	73.3-129		1041907	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	148		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	23.4		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.3 %	44.3-144		1041606	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.0 %	42.2-156		1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 5 @ 2'
H210968-38 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Total Xylenes*	0.217		0.150	mg/kg	50	1041907	MS	19-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041907	MS	19-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.8 %		73.3-129	1041907	MS	19-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	15.5		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	357		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	68.9		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			90.8 %		44.3-144	1041606	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			102 %		42.2-156	1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 5 @ 3'
H210968-39 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041907	MS	20-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			93.5 %		73.3-129	1041907	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	154		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	23.8		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			90.2 %		44.3-144	1041606	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			90.0 %		42.2-156	1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 5 @ 4'
H210968-40 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041907	MS	20-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			94.2 %		73.3-129	1041907	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	33.7		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.7 %		44.3-144	1041606	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.0 %		42.2-156	1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 5 @ 5'
H210968-41 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 5 @ 6'
H210968-42 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 6 @ SURFACE**H210968-43 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1041917	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	0.072		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Toluene*	2.48		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Ethylbenzene*	1.95		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total Xylenes*	11.6		0.150	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total BTEX	16.1		0.300	mg/kg	50	1041907	MS	20-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			191 %	73.3-129		1041907	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	329		50.0	mg/kg	5	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	12300		50.0	mg/kg	5	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	3180		50.0	mg/kg	5	1041606	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			155 %	44.3-144		1041606	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			465 %	42.2-156		1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 6 @ 1'
H210968-44 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	1041914	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041907	MS	20-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			93.9 %		73.3-129	1041907	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	185		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	30.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			96.8 %		44.3-144	1041606	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			97.0 %		42.2-156	1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 6 @ 2'
H210968-45 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1041914	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041907	MS	20-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.0 %		73.3-129	1041907	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	85.8		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	13.3		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			97.9 %		44.3-144	1041606	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			96.6 %		42.2-156	1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 6 @ 3'
H210968-46 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1041914	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041907	MS	20-Apr-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	73.3-129		1041907	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	87.3		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	14.6		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	

Surrogate: 1-Chlorooctane			88.8 %	44.3-144		1041606	MS	19-Apr-21	8015B	
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Surrogate: 1-Chlorooctadecane			86.5 %	42.2-156		1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 6 @ 4'
H210968-47 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	1041914	AC	19-Apr-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Toluene*	0.057		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1041907	MS	20-Apr-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1041907	MS	20-Apr-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	73.3-129		1041907	MS	20-Apr-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
DRO >C10-C28*	57.7		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1041606	MS	19-Apr-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.7 %	44.3-144		1041606	MS	19-Apr-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.2 %	42.2-156		1041606	MS	19-Apr-21	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 6 @ 5'
H210968-48 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	1041914	AC	19-Apr-21	4500-Cl-B	
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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

SP 6 @ 6'
H210968-49 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	32.0		16.0	mg/kg	4	1041914	AC	19-Apr-21	4500-Cl-B	

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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041913 - 1:4 DI Water**Blank (1041913-BLK1)**

Prepared & Analyzed: 19-Apr-21

Chloride	ND	16.0	mg/kg
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LCS (1041913-BS1)

Prepared & Analyzed: 19-Apr-21

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (1041913-BSD1)

Prepared & Analyzed: 19-Apr-21

Chloride	400	16.0	mg/kg	400	100	80-120	3.92	20
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Batch 1041914 - 1:4 DI Water**Blank (1041914-BLK1)**

Prepared & Analyzed: 19-Apr-21

Chloride	ND	16.0	mg/kg
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LCS (1041914-BS1)

Prepared & Analyzed: 19-Apr-21

Chloride	400	16.0	mg/kg	400	100	80-120
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LCS Dup (1041914-BSD1)

Prepared & Analyzed: 19-Apr-21

Chloride	416	16.0	mg/kg	400	104	80-120	3.92	20
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Batch 1041916 - 1:4 DI Water**Blank (1041916-BLK1)**

Prepared & Analyzed: 19-Apr-21

Chloride	ND	16.0	mg/kg
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LCS (1041916-BS1)

Prepared & Analyzed: 19-Apr-21

Chloride	432	16.0	mg/kg	400	108	80-120
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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041916 - 1:4 DI Water**LCS Dup (1041916-BSD1)**

Prepared & Analyzed: 19-Apr-21

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
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Batch 1041917 - 1:4 DI Water**Blank (1041917-BLK1)**

Prepared & Analyzed: 19-Apr-21

Chloride	ND	16.0	mg/kg							
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LCS (1041917-BS1)

Prepared & Analyzed: 19-Apr-21

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (1041917-BSD1)

Prepared & Analyzed: 19-Apr-21

Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041903 - Volatiles**Blank (1041903-BLK1)**

Prepared & Analyzed: 19-Apr-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	73.3-129			

LCS (1041903-BS1)

Prepared & Analyzed: 19-Apr-21

Benzene	2.11	0.050	mg/kg	2.00		106	72.2-131			
Toluene	2.06	0.050	mg/kg	2.00		103	71.7-126			
Ethylbenzene	2.01	0.050	mg/kg	2.00		101	68.9-126			
Total Xylenes	5.81	0.150	mg/kg	6.00		96.8	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0474		mg/kg	0.0500		94.8	73.3-129			

LCS Dup (1041903-BSD1)

Prepared & Analyzed: 19-Apr-21

Benzene	2.22	0.050	mg/kg	2.00		111	72.2-131	5.00	14.6	
Toluene	2.22	0.050	mg/kg	2.00		111	71.7-126	7.47	17.4	
Ethylbenzene	2.23	0.050	mg/kg	2.00		112	68.9-126	10.4	18.9	
Total Xylenes	6.54	0.150	mg/kg	6.00		109	71.4-125	11.9	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0514		mg/kg	0.0500		103	73.3-129			

Batch 1041905 - Volatiles**Blank (1041905-BLK1)**

Prepared & Analyzed: 19-Apr-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.8	73.3-129			

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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041905 - Volatiles**LCS (1041905-BS1)**

Prepared & Analyzed: 19-Apr-21

Benzene	2.09	0.050	mg/kg	2.00		105	72.2-131			
Toluene	1.99	0.050	mg/kg	2.00		99.6	71.7-126			
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.0	68.9-126			
Total Xylenes	5.88	0.150	mg/kg	6.00		97.9	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.8	73.3-129			

LCS Dup (1041905-BS1)

Prepared & Analyzed: 19-Apr-21

Benzene	2.24	0.050	mg/kg	2.00		112	72.2-131	6.72	14.6	
Toluene	2.15	0.050	mg/kg	2.00		107	71.7-126	7.54	17.4	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	68.9-126	6.92	18.9	
Total Xylenes	6.29	0.150	mg/kg	6.00		105	71.4-125	6.73	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0498		mg/kg	0.0500		99.6	73.3-129			

Batch 1041907 - Volatiles**Blank (1041907-BLK1)**

Prepared & Analyzed: 19-Apr-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		96.0	73.3-129			

LCS (1041907-BS1)

Prepared & Analyzed: 19-Apr-21

Benzene	2.05	0.050	mg/kg	2.00		103	72.2-131			
Toluene	2.02	0.050	mg/kg	2.00		101	71.7-126			
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	68.9-126			
Total Xylenes	6.01	0.150	mg/kg	6.00		100	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0494		mg/kg	0.0500		98.8	73.3-129			

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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041907 - Volatiles**LCS Dup (1041907-BSD1)**

Prepared & Analyzed: 19-Apr-21

Benzene	2.09	0.050	mg/kg	2.00		105	72.2-131	2.02	14.6	
Toluene	2.08	0.050	mg/kg	2.00		104	71.7-126	3.11	17.4	
Ethylbenzene	2.11	0.050	mg/kg	2.00		106	68.9-126	3.40	18.9	
Total Xylenes	6.19	0.150	mg/kg	6.00		103	71.4-125	2.99	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0498		mg/kg	0.0500		99.5	73.3-129			

Batch 1042118 - Volatiles**Blank (1042118-BLK1)**

Prepared: 21-Apr-21 Analyzed: 22-Apr-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		97.7	69.9-140			

LCS (1042118-BS1)

Prepared: 21-Apr-21 Analyzed: 22-Apr-21

Benzene	2.02	0.050	mg/kg	2.00		101	89.9-120			
Toluene	1.93	0.050	mg/kg	2.00		96.6	90.8-117			
Ethylbenzene	1.88	0.050	mg/kg	2.00		93.9	88.9-116			
m,p-Xylene	3.70	0.100	mg/kg	4.00		92.6	85.5-118			
o-Xylene	1.84	0.050	mg/kg	2.00		92.0	85.5-118			
Total Xylenes	5.54	0.150	mg/kg	6.00		92.4	85.5-118			
Surrogate: 4-Bromofluorobenzene (PID)	0.0474		mg/kg	0.0500		94.7	69.9-140			

LCS Dup (1042118-BSD1)

Prepared: 21-Apr-21 Analyzed: 22-Apr-21

Benzene	2.15	0.050	mg/kg	2.00		108	89.9-120	6.29	10.3	
Toluene	2.06	0.050	mg/kg	2.00		103	90.8-117	6.65	10.5	
Ethylbenzene	2.01	0.050	mg/kg	2.00		101	88.9-116	6.95	10.8	
m,p-Xylene	3.96	0.100	mg/kg	4.00		98.9	85.5-118	6.65	10.7	
o-Xylene	1.97	0.050	mg/kg	2.00		98.4	85.5-118	6.71	10.7	
Total Xylenes	5.93	0.150	mg/kg	6.00		98.8	85.5-118	6.67	10.7	

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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1042118 - Volatiles**LCS Dup (1042118-BSD1)**

Prepared: 21-Apr-21 Analyzed: 22-Apr-21

Surrogate: 4-Bromofluorobenzene (PID)	0.0480		mg/kg	0.0500		96.0	69.9-140			
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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 1041605 - General Prep - Organics**Blank (1041605-BLK1)**

Prepared: 16-Apr-21 Analyzed: 19-Apr-21

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	47.9		mg/kg	50.0		95.7	44.3-144		
Surrogate: 1-Chlorooctadecane	48.3		mg/kg	50.0		96.6	42.2-156		

LCS (1041605-BS1)

Prepared: 16-Apr-21 Analyzed: 19-Apr-21

GRO C6-C10	225	10.0	mg/kg	200		113	83.7-135		
DRO >C10-C28	196	10.0	mg/kg	200		98.2	80.4-133		
Total TPH C6-C28	422	10.0	mg/kg	400		105	83.1-133		
Surrogate: 1-Chlorooctane	51.3		mg/kg	50.0		103	44.3-144		
Surrogate: 1-Chlorooctadecane	50.4		mg/kg	50.0		101	42.2-156		

LCS Dup (1041605-BS1)

Prepared: 16-Apr-21 Analyzed: 19-Apr-21

GRO C6-C10	229	10.0	mg/kg	200		115	83.7-135	1.67	13.8
DRO >C10-C28	199	10.0	mg/kg	200		99.5	80.4-133	1.26	22.1
Total TPH C6-C28	428	10.0	mg/kg	400		107	83.1-133	1.48	17.7
Surrogate: 1-Chlorooctane	50.3		mg/kg	50.0		101	44.3-144		
Surrogate: 1-Chlorooctadecane	49.2		mg/kg	50.0		98.4	42.2-156		

Batch 1041606 - General Prep - Organics**Blank (1041606-BLK1)**

Prepared: 16-Apr-21 Analyzed: 19-Apr-21

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	58.5		mg/kg	50.0		117	44.3-144		
Surrogate: 1-Chlorooctadecane	58.6		mg/kg	50.0		117	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.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1041606 - General Prep - Organics**LCS (1041606-BS1)**

Prepared: 16-Apr-21 Analyzed: 19-Apr-21

GRO C6-C10	231	10.0	mg/kg	200		115	83.7-135			
DRO >C10-C28	227	10.0	mg/kg	200		114	80.4-133			
Total TPH C6-C28	458	10.0	mg/kg	400		114	83.1-133			
Surrogate: 1-Chlorooctane	57.7		mg/kg	50.0		115	44.3-144			
Surrogate: 1-Chlorooctadecane	58.8		mg/kg	50.0		118	42.2-156			

LCS Dup (1041606-BSD1)

Prepared: 16-Apr-21 Analyzed: 19-Apr-21

GRO C6-C10	226	10.0	mg/kg	200		113	83.7-135	1.92	13.8	
DRO >C10-C28	224	10.0	mg/kg	200		112	80.4-133	1.35	22.1	
Total TPH C6-C28	450	10.0	mg/kg	400		113	83.1-133	1.63	17.7	
Surrogate: 1-Chlorooctane	58.6		mg/kg	50.0		117	44.3-144			
Surrogate: 1-Chlorooctadecane	59.8		mg/kg	50.0		120	42.2-156			

Batch 1041616 - General Prep - Organics**Blank (1041616-BLK1)**

Prepared: 16-Apr-21 Analyzed: 18-Apr-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	50.7		mg/kg	50.0		101	44.3-144			
Surrogate: 1-Chlorooctadecane	51.4		mg/kg	50.0		103	42.2-156			

LCS (1041616-BS1)

Prepared: 16-Apr-21 Analyzed: 18-Apr-21

GRO C6-C10	199	10.0	mg/kg	200		99.7	83.7-135			
DRO >C10-C28	210	10.0	mg/kg	200		105	80.4-133			
Total TPH C6-C28	409	10.0	mg/kg	400		102	83.1-133			
Surrogate: 1-Chlorooctane	50.7		mg/kg	50.0		101	44.3-144			
Surrogate: 1-Chlorooctadecane	51.7		mg/kg	50.0		103	42.2-156			

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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: OXY SILVER NC 33
Project Number: (3-17-21)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Apr-21 11:03

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1041616 - General Prep - Organics**LCS Dup (1041616-BSD1)**

Prepared: 16-Apr-21 Analyzed: 18-Apr-21

GRO C6-C10	194	10.0	mg/kg	200		96.9	83.7-135	2.82	13.8	
DRO >C10-C28	201	10.0	mg/kg	200		101	80.4-133	4.22	22.1	
Total TPH C6-C28	395	10.0	mg/kg	400		98.8	83.1-133	3.54	17.7	
Surrogate: 1-Chlorooctane	51.0		mg/kg	50.0		102	44.3-144			
Surrogate: 1-Chlorooctadecane	51.9		mg/kg	50.0		104	42.2-156			

Batch 1042117 - General Prep - Organics**Blank (1042117-BLK1)**

Prepared: 21-Apr-21 Analyzed: 22-Apr-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.9		mg/kg	50.0		91.9	44.3-133			
Surrogate: 1-Chlorooctadecane	45.5		mg/kg	50.0		91.0	38.9-142			

LCS (1042117-BS1)

Prepared: 21-Apr-21 Analyzed: 22-Apr-21

GRO C6-C10	227	10.0	mg/kg	200		114	83.4-129			
DRO >C10-C28	248	10.0	mg/kg	200		124	84.3-133			
Total TPH C6-C28	475	10.0	mg/kg	400		119	85.3-130			
Surrogate: 1-Chlorooctane	50.1		mg/kg	50.0		100	44.3-133			
Surrogate: 1-Chlorooctadecane	49.8		mg/kg	50.0		99.7	38.9-142			

LCS Dup (1042117-BSD1)

Prepared: 21-Apr-21 Analyzed: 22-Apr-21

GRO C6-C10	228	10.0	mg/kg	200		114	83.4-129	0.291	12.6	
DRO >C10-C28	248	10.0	mg/kg	200		124	84.3-133	0.0476	12.1	
Total TPH C6-C28	476	10.0	mg/kg	400		119	85.3-130	0.115	11.6	
Surrogate: 1-Chlorooctane	49.0		mg/kg	50.0		98.1	44.3-133			
Surrogate: 1-Chlorooctadecane	49.0		mg/kg	50.0		98.0	38.9-142			

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476		BILL TO		ANALYSIS REQUEST																														
Company Name: BBC International, Inc.		P.O. #:																																
Project Manager: Cliff Brunson		Company:																																
Address: P.O. Box 805		Attn:																																
City: Hobbs	State: NM Zip: 88241	Address:																																
Phone #: 575-397-6388	Fax #: 575-397-0397	City:																																
Project #:	Project Owner: Oxy	State: Zip:																																
Project Name: OXY SILVER NC 33 (3-17-21)		Phone #:																																
Project Location:		Fax #:																																
Sampler Name: SIMON RENDON		MATRIX	PRESERV.	SAMPLING																														
FOR LAB USE ONLY Lab I.D. 	 Sample I.D. 	# CONTAINERS	GROUNDEWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																					
HZ10968	SP @ N	A			X					X		4/13/21	9:10	BTEX ✓	TPH Extended ✓	CL ✓																		
1	SP @ E											4/13/21	9:22	✓	✓	✓																		
2	SP @ W											4/13/21	9:37	✓	✓	✓																		
3	SP @ S											4/13/21	9:51	✓	✓	✓																		
4	SP1 @ SURFACE											4/13/21	10:15	✓	✓	✓																		
5	SP1 @ 1'											4/13/21	10:26	✓	✓	✓																		
6	SP1 @ 2'											4/13/21	10:41	✓	✓	✓																		
7	SP1 @ 3'											4/13/21	10:54	✓	✓	✓																		
8	SP1 @ 4'											4/13/21	11:14	✓	✓	✓																		
9	SP1 @ 5'											4/13/21	11:26	✓	✓	✓																		
10																																		

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Relinquished By: 	Date: 4-15-21	Received By: 	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: 8:00 AM		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By: 	Date: 4-15-21	Received By: 	REMARKS:	
	Time: 4:30 PM			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: 3.12 / #113	Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

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Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Owner: Oxy Project Name: OXY SILVER NC 33 (3-17-21) Project Location: Sampler Name: SIMON RENDON				BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST											
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING													
				GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER:	DATE TIME													
	HZ1D968																		
	12	SP 1 @ 7'				4/13/21 11:52													
	13	SP 1 @ 8'				4/13/21 12:08													
	14	SP 2 @ SURFACE				4/13/21 12:47													
	15	SP 2 @ 1'				4/13/21 1:04													
	16	SP 2 @ 2'				4/13/21 1:16													
	17	SP 2 @ 3'				4/13/21 1:29													
	18	SP 2 @ 4'				4/13/21 1:38													
	19	SP 2 @ 5'				4/13/21 1:51													
	20	SP 2 @ 6'				4/13/21 2:04													
	21	SP 2 @ 7'				4/13/21 2:12													

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Relinquished By: <i>Simon Rendon</i>	Date: <i>4-15-21</i>	Received By: <i>Israel Pena</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: <i>8:00 AM</i>		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>Israel Pena</i>	Date: <i>4-15-21</i>	Received By: <i>Jodi Benson</i>	REMARKS:	
	Time: <i>4:30 PM</i>			
Delivered By: (Circle One)	Sample Condition	Cool Intact	CHECKED BY: <i>[Signature]</i>	
Sampler - UPS - Bus - Other: <i>3.12 / # 113</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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BILL TO				ANALYSIS REQUEST																														
Company Name: BBC International, Inc.				P.O. #:		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Extended</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL</div> </div>																												
Project Manager: Cliff Brunson				Company:																														
Address: P.O. Box 805				Attn:																														
City: Hobbs		State: NM Zip: 88241		Address:																														
Phone #: 575-397-6388		Fax #: 575-397-0397		City:																														
Project #:		Project Owner: Oxy		State: Zip:																														
Project Name: OXY SILVER NC 33 (3-17-21)				Phone #:																														
Project Location:				Fax #:																														
Sampler Name: SIMON RENDON																																		
FOR LAB USE ONLY		G/RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING																							
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME																				
H210968	SP3 @ SURFACE	✓										4/13/21	2:23	✓	✓	✓																		
22	SP3 @ 1'											4/13/21	2:37	✓	✓	✓																		
23	SP3 @ 2'											4/13/21	2:40	✓	✓	✓																		
24	SP3 @ 3'											4/13/21	2:49	✓	✓	✓																		
25	SP3 @ 4'											4/13/21	2:57	✓	✓	✓																		
26	SP3 @ 5'											4/13/21	3:08	✓	✓	✓																		
27	SP3 @ 6'											4/13/21	3:16	✓	✓	✓																		
28	SP4 @ SURFACE											4/14/21	8:55	✓	✓	✓																		
29	SP4 @ 1'											4/14/21	9:10	✓	✓	✓																		
30	SP4 @ 2'											4/14/21	9:23	✓	✓	✓																		
31																																		

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Relinquished By: <i>Simon Rendon</i>	Date: 4-15-21	Received By: <i>Israel Pena</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Israel Pena</i>	Time: 8:00 AM	Received By: <i>Godi Benson</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Date: 4-15-21	Time: 4:30 PM	REMARKS:	
Sampler - UPS - Bus - Other: 3.12 / #113	Sample Condition	CHECKED BY: <i>gdt</i>		
	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>			
	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 68 of 68

Company Name: BBC International, Inc.				BILL TO		ANALYSIS REQUEST																					
Project Manager: Cliff Brunson				P.O. #:																							
Address: P.O. Box 805				Company:																							
City: Hobbs		State: NM Zip: 88241		Attn:																							
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																							
Project #:		Project Owner: Oxy		City:																							
Project Name: OXY SILVER NC 33 (3-17-21)				State: Zip:																							
Project Location:				Phone #:																							
Sampler Name: SIMON RENDON				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													
H210968	SP5 @ 6'												4/14/21	11:28	BTEX	TPH Extended	CL										
492	SP6 @ SURFACE												4/14/21	11:40	✓	✓	✓										
4342	SP6 @ 1'												4/14/21	11:52	✓	✓	✓										
4443	SP6 @ 2'												4/14/21	12:07	✓	✓	✓										
4544	SP6 @ 3'												4/14/21	12:45	✓	✓	✓										
4645	SP6 @ 4'												4/14/21	12:53	✓	✓	✓										
4746	SP6 @ 5'												4/14/21	1:10	✓	✓	✓										
4847	SP6 @ 6'												4/14/21	1:17	✓	✓	✓										
4948																											

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Relinquished By:	Date: 4-15-21	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Simon Rendon</i>	Time: 8:00 AM	<i>Israel Kena</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 4-15-21	Received By:	REMARKS:	
<i>Israel Kena</i>	Time: 4:30 PM	<i>Yodie Benson</i>		
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool Intact	(Initials)		
3.10 / #113	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Yodie Benson</i>		
	<input type="checkbox"/> No <input type="checkbox"/> No			

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APPENDIX C

Photographic Documentation



View of the initial release point (March 31, 2021).



View of the initial release flow path (March 31, 2021), facing northeast.



View of the initial release flowpath (March 31, 2021), facing southwest.



View of the northern extent of the initial release flowpath (March 31, 2021), facing west.



View of the final excavation area at the initial release point (May 20, 2022), facing northeast.



View of the final excavation area at the initial release point (May 20, 2022), facing northwest.



View of the final excavation area along the initial release flowpath (April 20, 2022), facing northeast.



View of the final excavation at the northern extent of the initial release flowpath (April 20, 2022), facing southwest.



APPENDIX D

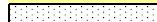
Tables

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Oxy USA Inc. - Silver NC 33
Eddy County, New Mexico

Ensolum Project No. 03B1417029

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Composite Floor Sample Analytical Results												
FS-1	4/29/2022	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-2	4/29/2022	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-3	4/29/2022	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-4	4/29/2022	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	41.6	<10.0	41.6	80.0
FS-5	4/29/2022	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
FS-6	4/29/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	608
	5/20/2022	0 - 0.25	NS						NS			
FS-7	4/29/2022	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	147	27.5	174.5	80.0
	5/20/2022	6	NS						<10.0	<10.0	<10.0	<10.0
FS-8	4/29/2022	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	201	39.6	240.6	48.0
	5/20/2022	6	NS						<10.0	<10.0	<10.0	<10.0
FS-9	4/29/2022	5	<0.050	<0.050	<0.050	1.97	1.97	83.7	504	79.3	667	32.0
	5/20/2022	7	NS						<10.0	<10.0	<10.0	<10.0
FS-10	4/29/2022	5	<0.050	<0.050	<0.050	12.7	12.7	236	1,010	165	1,411	16.0
	5/20/2022	5.5	NS						<10.0	<10.0	<10.0	<10.0
Composite Sidewall Sample Analytical Results												
A1-SW-1	4/29/2022	0 - 3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.6	13.7	28.3	32.0
A1-SW-2	4/29/2022	0 - 3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	206	67.2	273.2	32.0
	5/20/2022	0 - 3	NS						<10.0	<10.0	<10.0	<10.0
A3-NSW	4/29/2022	0 - 2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
A3-SSW	4/29/2022	0 - 2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
A4-SW	4/29/2022	0 - 2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	70.8	13.7	84.5	32.0

Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)

 Over Excavated and/or Re-Sampled

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

NS: Not Sampled

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Data Sheets and Chain-of-Custody Documentation



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

May 04, 2022

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: SILVER NC 33

Enclosed are the results of analyses for samples received by the laboratory on 04/29/22 16:12.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 1 2.5' (H221793-01)

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	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-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	05/03/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 130 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 2 2.5' (H221793-02)

BTX 8021B			mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2022	ND	1.95	97.7	2.00	6.05		
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75		
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26		
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70		
Total BTX	<0.300	0.300	05/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-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	05/03/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 135 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 3 2.5' (H221793-03)

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	05/02/2022	ND	1.95	97.7	2.00	6.05		
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75		
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26		
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70		
Total BTX	<0.300	0.300	05/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	05/03/2022	ND	416	104	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: CK							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43		
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	227	113	200	0.127		
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND						

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 129 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 4 2' (H221793-04)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2022	ND	2.07	103	2.00	2.64	
Toluene*	<0.050	0.050	05/03/2022	ND	2.05	102	2.00	2.05	
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.03	102	2.00	2.72	
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.29	105	6.00	3.10	
Total BTEx	<0.300	0.300	05/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/03/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	41.6	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 139 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 5 2' (H221793-05)

BTX 8021B			mg/kg							
			Analyzed By: MS\							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.07	103	2.00	2.64		
Toluene*	<0.050	0.050	05/03/2022	ND	2.05	102	2.00	2.05		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.03	102	2.00	2.72		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.29	105	6.00	3.10		
Total BTX	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/03/2022	ND	416	104	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: CK							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43		
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	227	113	200	0.127		
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND						

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 134 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 6 0-.25' (H221793-06)

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	05/03/2022	ND	2.07	103	2.00	2.64	
Toluene*	<0.050	0.050	05/03/2022	ND	2.05	102	2.00	2.05	
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.03	102	2.00	2.72	
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.29	105	6.00	3.10	
Total BTEX	<0.300	0.300	05/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	05/03/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 135 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 7 2' (H221793-07)

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	05/03/2022	ND	2.07	103	2.00	2.64	
Toluene*	<0.050	0.050	05/03/2022	ND	2.05	102	2.00	2.05	
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.03	102	2.00	2.72	
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.29	105	6.00	3.10	
Total BTX	<0.300	0.300	05/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/03/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	147	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	27.5	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 134 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 8 5' (H221793-08)

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	05/03/2022	ND	2.07	103	2.00	2.64		
Toluene*	<0.050	0.050	05/03/2022	ND	2.05	102	2.00	2.05		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.03	102	2.00	2.72		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.29	105	6.00	3.10		
Total BTEX	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/03/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	201	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	39.6	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 154 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 9 5' (H221793-09)

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	05/03/2022	ND	2.07	103	2.00	2.64	
Toluene*	<0.050	0.050	05/03/2022	ND	2.05	102	2.00	2.05	
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.03	102	2.00	2.72	
Total Xylenes*	1.97	0.150	05/03/2022	ND	6.29	105	6.00	3.10	
Total BTEX	1.97	0.300	05/03/2022	ND					

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

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	05/03/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: CK						S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	83.7	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	504	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	79.3	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 136 % 66.9-136

Surrogate: 1-Chlorooctadecane 157 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 10 5' (H221793-10)

BTX 8021B		mg/kg	Analyzed By: MS\					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2022	ND	2.07	103	2.00	2.64	
Toluene*	<0.050	0.050	05/03/2022	ND	2.05	102	2.00	2.05	GC-NC
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.03	102	2.00	2.72	
Total Xylenes*	12.7	0.150	05/03/2022	ND	6.29	105	6.00	3.10	
Total BTX	12.7	0.300	05/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 237 % 69.9-140

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	05/03/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: CK					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	236	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	1010	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	165	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 137 % 66.9-136

Surrogate: 1-Chlorooctadecane 165 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: A 1 - SW - 1 (H221793-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66		
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67		
Total BTX	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	05/03/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	14.6	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	13.7	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 123 % 66.9-136

Surrogate: 1-Chlorooctadecane 144 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: A 1 - SW - 2 (H221793-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66		
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67		
Total BTX	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-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	05/03/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43		
DRO >C10-C28*	206	10.0	05/02/2022	ND	227	113	200	0.127		
EXT DRO >C28-C36	67.2	10.0	05/02/2022	ND						

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 144 % 59.5-142

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: A 3 - NSW (H221793-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66		
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67		
Total BTEX	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/03/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 121 % 66.9-136

Surrogate: 1-Chlorooctadecane 141 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: A 3 - SSW (H221793-14)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66	
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86	
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18	
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67	
Total BTEx	<0.300	0.300	05/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-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	05/03/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 138 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: A 4 - SW (H221793-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66		
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67		
Total BTEx	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	05/03/2022	ND	416	104	400	0.00		

TPH 8015M	mg/kg		Analyzed By: CK					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	70.8	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	13.7	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 147 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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 black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



1 of 2

† Cardinal cannot accept verbal changes. Please email changes to celej.keene@cardinallabsnm.com

PLEASE NOTE: Liability and client's exclusive remedy for any claim arising under this contract shall be limited to the amount paid by the client for the services. All claims, including those for negligence and any other cause without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or other third parties related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated remedies or otherwise, shall be limited to the amount paid by the client for the services.

Relinquished By:

Date: 11-29-79 Received By: [Signature]

Verbal Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
----------------	------------------------------	-----------------------------	----------------

All Results are emailed. Please provide Email address.

All Results are emailed. Please provide Email address

Relinquished By:

Date:

Date:

Date: _____ Received By: _____

INFORMATION

MEMORANDUM

Delivered By: (Circle One)

Observed Temp. °C -0.10

Sample Condition
Cool Intact

CHECKED BY:
(Initials)

Individuals

Rush

□□

Cool Intact

Observed Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C
61.00

Yes	<input checked="" type="checkbox"/>
No	<input type="checkbox"/>

2

Correction Factor -0.5°C

[illegible]☐ No ☐ No

Corrected Temp. °C

CUSTODY SEAL

Date 4-25-27

Signature 

Thermo
SCIENTIFIC

Page 18 of 19



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

[illegible]



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

May 26, 2022

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: SILVER NC 33

Enclosed are the results of analyses for samples received by the laboratory on 05/20/22 13:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
BEAUX JENNINGS
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 05/20/2022
Reported: 05/26/2022
Project Name: SILVER NC 33
Project Number: 03B1417029
Project Location: OXY - EDDY CO NM

Sampling Date: 05/20/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 6 0'-0.25' (H222164-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/26/2022	ND	416	104	400	3.77		

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

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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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

May 27, 2022

BEAUX JENNINGS
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: SILVER NC 33

Enclosed are the results of analyses for samples received by the laboratory on 05/20/22 13:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". 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:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/20/2022
 Reported: 05/27/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 05/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 10 5.5' (H222165-01)

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	05/26/2022	ND	197	98.6	200	6.84	
DRO >C10-C28*	<10.0	10.0	05/26/2022	ND	187	93.5	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					
Surrogate: 1-Chlorooctane	105 %	66.9-136							
Surrogate: 1-Chlorooctadecane	106 %	59.5-142							

Sample ID: FS - 8 6' (H222165-02)

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	05/26/2022	ND	197	98.6	200	6.84	
DRO >C10-C28*	<10.0	10.0	05/26/2022	ND	187	93.5	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					
Surrogate: 1-Chlorooctane	104 %	66.9-136							
Surrogate: 1-Chlorooctadecane	105 %	59.5-142							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/20/2022
 Reported: 05/27/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 05/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 7 6' (H222165-03)

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	05/26/2022	ND	197	98.6	200	6.84	
DRO >C10-C28*	<10.0	10.0	05/26/2022	ND	187	93.5	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					
Surrogate: 1-Chlorooctane	106 %	66.9-136							
Surrogate: 1-Chlorooctadecane	106 %	59.5-142							

Sample ID: A 1 - SW - 2 0'-3' (H222165-04)

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	05/26/2022	ND	197	98.6	200	6.84	
DRO >C10-C28*	<10.0	10.0	05/26/2022	ND	187	93.5	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	107 %	66.9-136							
Surrogate: 1-Chlorooctadecane	106 %	59.5-142							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 05/20/2022
 Reported: 05/27/2022
 Project Name: SILVER NC 33
 Project Number: 03B1417029
 Project Location: OXY - EDDY CO NM

Sampling Date: 05/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 9 7' (H222165-05)

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	05/26/2022	ND	197	98.6	200	6.84	
DRO >C10-C28*	<10.0	10.0	05/26/2022	ND	187	93.5	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	107 %	66.9-136							
Surrogate: 1-Chlorooctadecane	105 %	59.5-142							

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Enshelam, LLC</u> Project Manager: <u>Bruce Jennings</u> Address: <u>6014 Marietta Rd, Suite 400</u> City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u> Phone #: <u>210-210-8858</u> Fax #: _____ Project #: <u>03B141702A</u> Project Owner: _____ Project Name: <u>51st St MC 33</u> Project Location: <u>Eddy County</u> Sampler Name: <u>Bruce Jennings</u>		P.O. #: _____ Company: <u>Dry US & Inc.</u> Attn: <u>Wade Rittich</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY		ANALYSIS REQUEST	
Lab I.D.		Sample I.D.	
Depth (feet) FS-10 5.5' <input type="checkbox"/> (G)RAB OR (C)OMP. <input type="checkbox"/> FS-8 6' <input type="checkbox"/> # CONTAINERS _____ FS-7 6' <input type="checkbox"/> GROUNDWATER _____ A1-SW-2 0-3' <input type="checkbox"/> WASTEWATER _____ FS-9 7' <input type="checkbox"/> SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____		DATE TIME 5/20/22 1017 <input type="checkbox"/> X 5/20/22 1030 <input type="checkbox"/> X 5/20/22 1040 <input type="checkbox"/> X 5/20/22 1055 <input type="checkbox"/> X 5/20/22 1100 <input type="checkbox"/> X	
Relinquished By: _____ Date: 5/20/22 Time: 1345 Received By: _____ Date: 5/20/22 Time: 1345		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: <u>Drumming @ cishelam.com</u>	
Delivered By: (Circle One) Sampler <input checked="" type="checkbox"/> UPS - Bus - Other: _____ Observed Temp. °C: 20.2 Corrected Temp. °C: 1.82 Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact Checked By: _____ (Initials) Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.5°C		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input checked="" type="checkbox"/> Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	



APPENDIX F

C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2109159441
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Oxy USA Inc.	OGRID: 16696
Contact Name: Wade Dittrich	Contact Telephone: 575-390-2828
Contact email: wade_dittrich@oxy.com	Incident # (assigned by OCD) nAPP2109159441
Contact mailing address: PO Box 4294, Houston, TX 77210	

Location of Release Source

Latitude 32.265268 Longitude -103.784912
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Silver NC 33	Site Type: Pipeline ROW
Date Release Discovered: 03/17/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
C	33	23S	31E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls): 12	Volume Recovered (bbls): 10
<input type="checkbox"/> Produced Water	Volume Released (bbls):	Volume Recovered (bbls):
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Wheel valve isolating pig launcher from main line not sealed.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2109159441
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?

☐ Yes ☒ No

If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

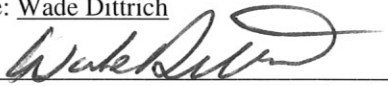
If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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 Specialist

Signature: 

Date: 11-22-22

email: wade_dittrich@oxy.com

Telephone: 575-390-2828

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2109159441
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?	<u>N/A</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2109159441
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 Specialist

Signature: _____

Date: 11-22-22

email: wade_dittrich@oxy.com

Telephone: 575-390-2828

OCD Only

Received by: _____

Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2109159441
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

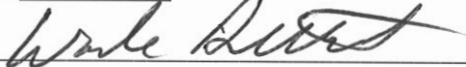
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich

Title: Environmental Specialist

Signature: 

Date: 11/22/22

email: wade_dittrich@oxy.com

Telephone: 575-390-2828

OCD Only

Received by: _____

Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____

Title: _____

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 160994

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 160994
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2109159441 SLIVER NC 33, thank you. This closure is approved.	2/20/2023