



February 28, 2024

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Remediation Work Plan
Twin Lakes SA Unit #316
Incident Number nAPP2405244372
Chaves County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA Inc. (Oxy), has prepared the following *Remediation Work Plan* (*Work Plan*) to document site assessment and delineation activities completed to date and propose remedial actions to address historical impacted soil identified at the Twin Lakes SA Unit #316 well pad (Site). The following *Work Plan* proposes excavation of impacted soil within the historical release area and submittal of a subsequent *Closure Request*, documenting the excavation activities and confirmation soil sample analytical results.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit I, Section 36, Township 8 South, Range 28 East, in Chaves County, New Mexico (33.57558, -104.03427) and is associated with oil and gas exploration and production operations on state land managed by the New Mexico State Land Office (NMSLO).

During 2021, the NMSLO completed an aerial imagery review of plugged and abandoned wells located on state land in Chaves County. Visible indications of a potential historical release were identified at the Site, and as the lease holder, Oxy was notified by the NMSLO of the need to investigate potential impacts to soil. Oxy contracted BBC International, Inc. (BBC) and Ensolum to conduct assessment and delineation activities within the potential historical release area. Based on the delineation soil sample analytical results, a Notification of Release was submitted to the New Mexico Oil Conservation Division (NMOCD) on February 21, 2024. The release was assigned Incident Number nAPP2405244372.

Oxy is not the Operator of the Twin Lakes SA Unit #316 well, and has no independent knowledge of the facts or circumstances surrounding the nature, content or volume of any release(s), contemporaneous to any such release(s). All information submitted by Oxy herein is based on Oxy's present day observations of the site. Oxy submits this *Work Plan* pursuant to an agreement with the NMSLO, as lessee of record.

Since the release occurred on a previously disturbed well pad, compliance with the Cultural Properties Protection Rule (CPP) is not required. The oil and gas well has been plugged and abandoned. Upon completion of remediation activities and closure approval of Incident Number nAPP2405244372, a

Oxy USA Inc.
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Reclamation Plan will be submitted to the NMSLO proposing final reclamation activities for the well pad and access road.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geologic Survey (USGS) well 333423104032401, located approximately 1.3 miles southwest of the Site. The well has a recorded depth to groundwater of 35.77 feet bgs and a total depth of 157 feet. The referenced well records are included in Appendix A. All wells used for depth to groundwater determination are depicted on Figure 1.

The closest continuously flowing or significant watercourse is greater than 300 feet from the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology. Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT AND DELINEATION ACTIVITIES

During November 2021 and January 2024, BBC and Ensolum personnel were at the Site to evaluate the release extent based on information provided by the NMSLO and visual observations. Six surface soil samples (North, East, East 2, West, South, and South 2) were collected around the historical release extent to confirm the lateral extent of the surface release. Potholes were advanced at seven sample points (SP1 through SP7) within the historical release area, to delineate the vertical extent of impacted soil. The potholes were advanced to depths ranging from 2 feet to 3 feet bgs. Discrete delineation soil samples were collected from sample points SP1 through SP7 at depths ranging from the ground surface to 3 feet bgs.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

Oxy USA Inc.
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The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visits and a photographic log is included in Appendix B.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for surface soil samples North, East, East 2, West, South, and South 2 indicated all COC concentrations were compliant with the Site Closure Criteria and confirmed the lateral extent of the surface release. Laboratory analytical results for the delineation soil samples collected from sample points SP3, SP4, and SP7, collected at depths ranging from the ground surface to 2 feet bgs, indicated all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for the delineation soil samples collected from sample points SP1, SP2, SP5, and SP6 indicated that TPH and/or chloride concentrations exceeded the Site Closure Criteria at depths ranging from the ground surface to 1-foot bgs. The terminal depth delineation sample from sample points SP1, SP2, SP5, and SP6, collected at depths ranging from 2 feet to 3 feet bgs, were compliant with the Site Closure Criteria and delineated the vertical extent of the impacted soil. Laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical reports are included in Appendix C.

Based on the soil sample analytical results, additional remediation activities are warranted and are proposed below.

PROPOSED REMEDIATION WORKPLAN

The delineation soil sample results indicated soil containing TPH and/or chloride concentrations exceeding the Site Closure Criteria is present across an approximate 9,000 square foot area around sample points SP1, SP2, and SP5 and a 2,100 square foot area around sample point SP6 and extends to an approximate depth of 1-foot to 2 feet bgs. Based on the delineation soil sample analytical results, Oxy proposes to complete the following remediation activities:

- The impacted soil identified within the release area will be excavated. Excavation will proceed laterally and vertically until excavation sidewall and floor samples confirm all COC concentrations are compliant with the Site Closure Criteria.
 - 5-point composite soil samples will be collected from the sidewalls and floor of the final excavation extent. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing.
 - The excavation sidewall samples will be collected at a frequency of every 200 square feet.
 - Due to the estimated size of the excavation (11,100 square feet), Oxy requests a variance for frequency of excavation floor samples. Oxy proposes collecting floor samples at a frequency of every 400 square feet from the floor of the excavation.
 - The excavation confirmation soil samples will be handled as described above and analyzed for BTEX, TPH, and chloride.
- An estimated 815 cubic yards of impacted soil will be excavated. The excavated soil will be transported to an approved landfill facility for disposal.
- Upon completion of excavation activities, the excavation will be backfilled with locally procured backfill and topsoil and recontoured to match pre-existing conditions. Since the well has been plugged and abandoned, a Reclamation Plan for the entire well pad and access road will be submitted to the NMSLO upon closure approval of Incident Number nAPP2405244372.

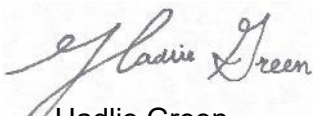
Oxy USA Inc.
Remediation Work Plan
Twin Lakes SA Unit #316

Oxy will complete the excavation activities within 90 days of the date of approval of this *Work Plan* by the NMOCD. A *Closure Request* detailing the excavation activities will be submitted to the NMOCD and NMSLO upon completion of excavation activities and receipt of final laboratory analytical results.

Oxy believes the scope of work described above meets the requirements set forth in 19.15.29 NMAC and is protective of human health, the environment, and groundwater and respectfully requests approval of this *Work Plan* for Incident Number nAPP2405244372.

If you have any questions or comments, please contact Ms. Aimee Cole at (720) 384-7365 or acole@ensolum.com.

Sincerely,
Ensolum, LLC



Hadlie Green
Project Geologist



Aimee Cole
Senior Managing Scientist

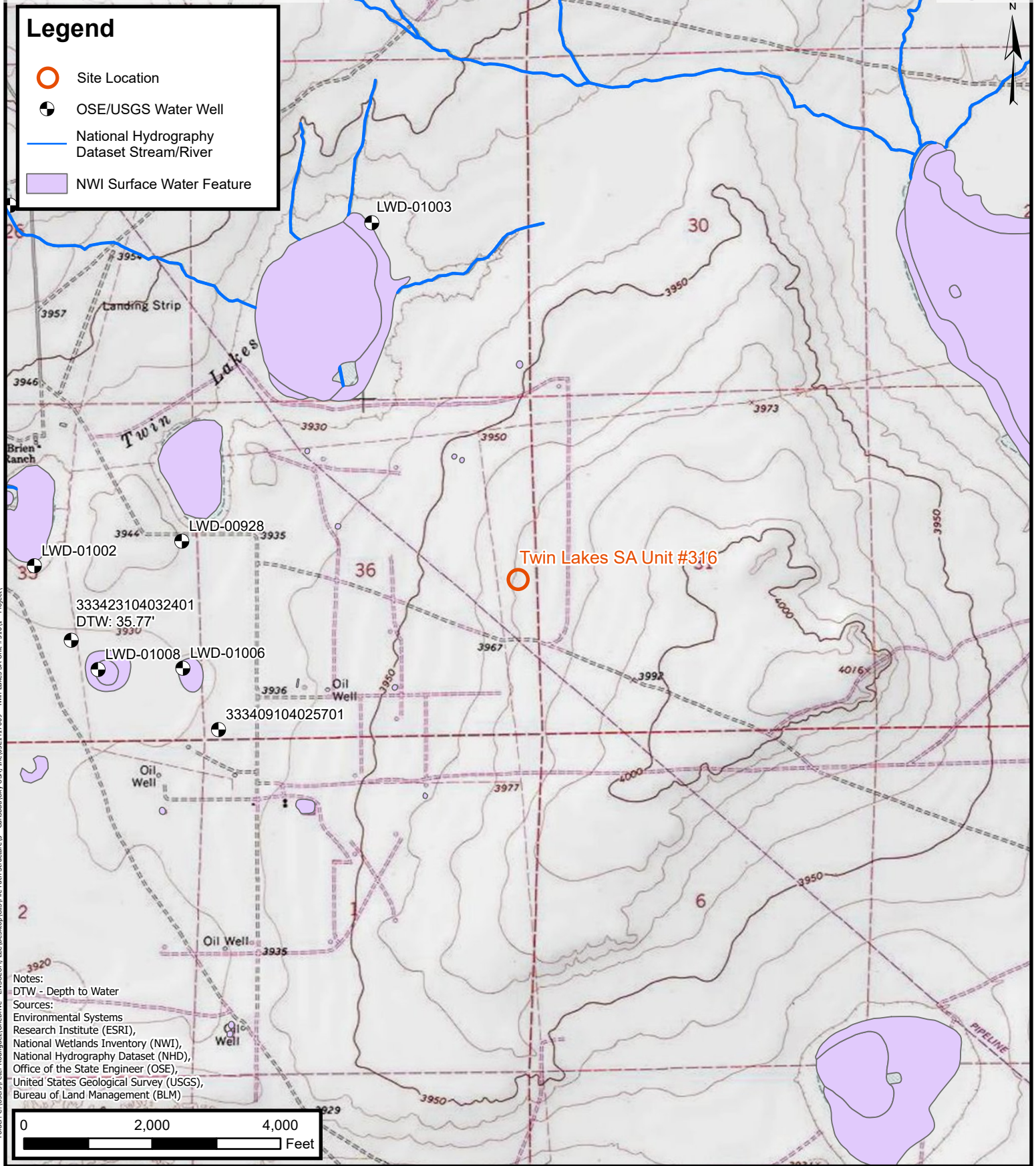
cc: Kalei Jennings, Oxy USA Inc.
New Mexico State Land Office

Appendices:

| | |
|------------|--|
| Figure 1 | Site Receptor Map |
| Figure 2 | Delineation Soil Sample Locations |
| Figure 3 | Proposed Excavation Extent |
| Table 1 | Soil Sample Analytical Results |
| Appendix A | Referenced Well Records |
| Appendix B | Photographic Log |
| Appendix C | Laboratory Analytical Reports & Chain-of-Custody Documentation |



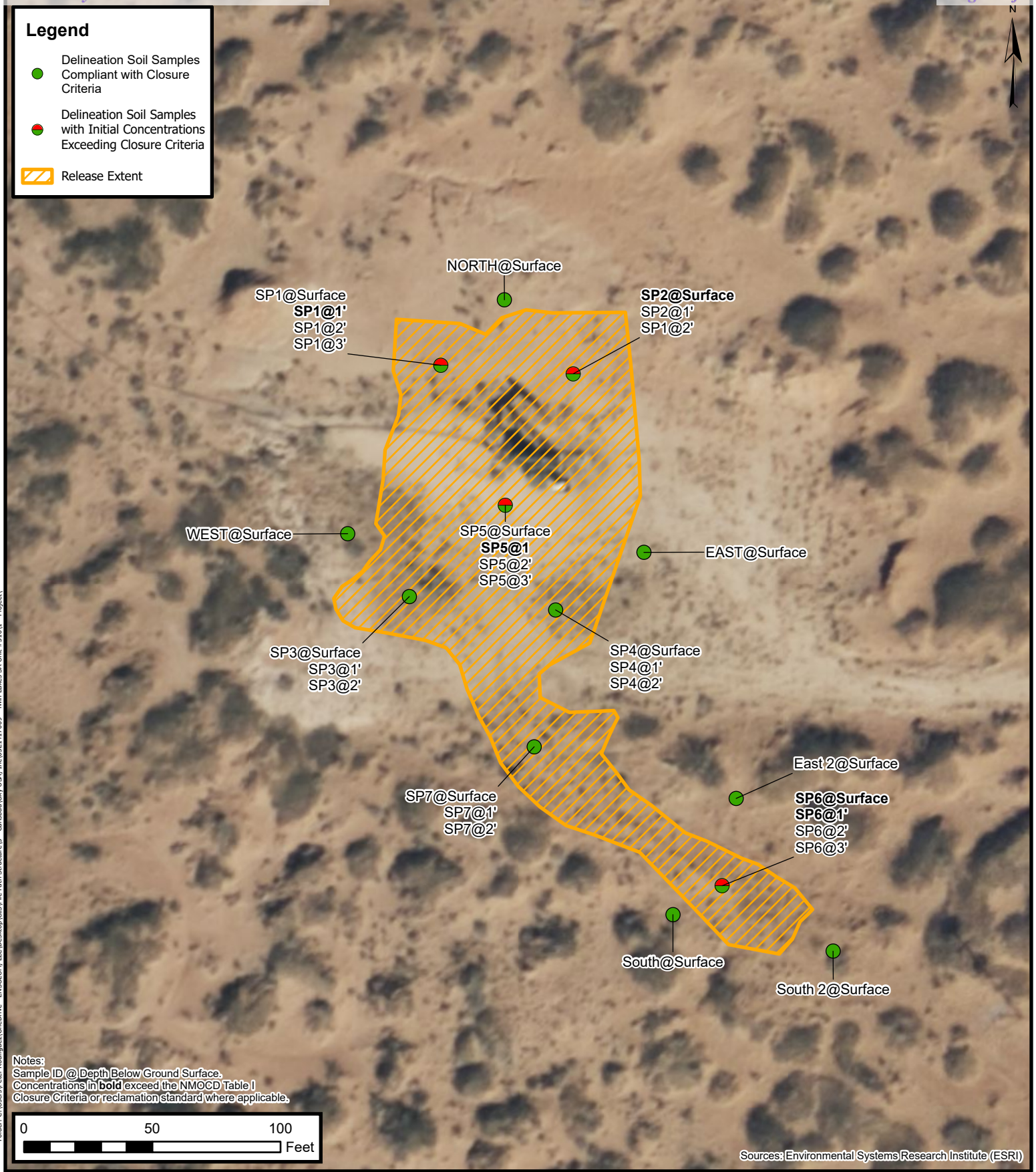
FIGURES



ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

Site Receptor Map
Oxy USA Inc.
Twin Lakes SA Unit #316
Incident Number: nAPP2405244372
Unit I-Sec 36-T08S-R28E
Chaves County, New Mexico

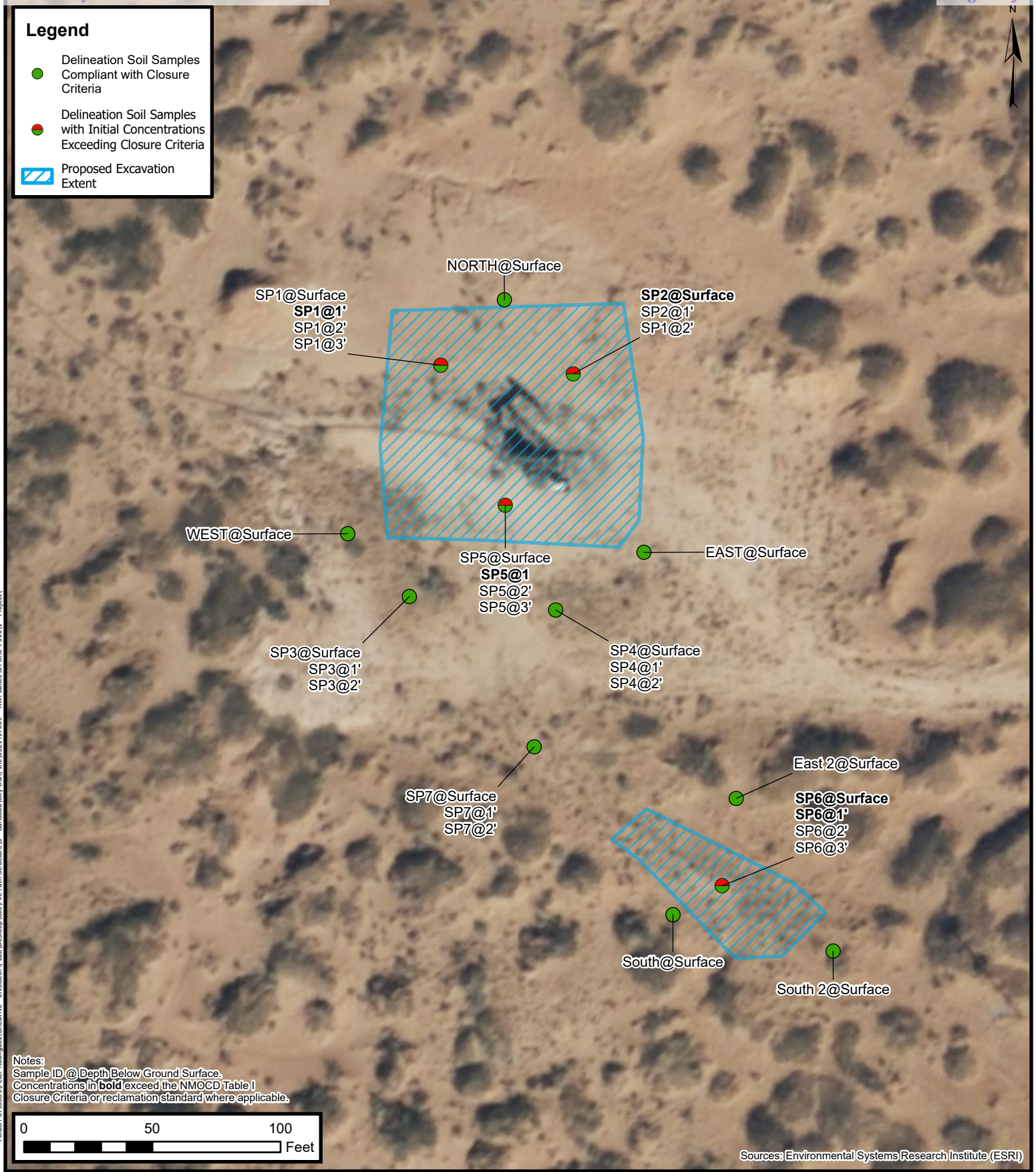
FIGURE
1



Delineation Soil Sample Locations

Oxy USA Inc.
Twin Lakes SA Unit #316
Incident Number: nAPP2405244372
Unit I-Sec 36-T08S-R28E
Chaves County, New Mexico

FIGURE
2



Proposed Excavation Extent

Oxy USA Inc.
Twin Lakes SA Unit #316
Incident Number: nAPP2405244372
Unit I-Sec 36-T08S-R28E
Chaves County, New Mexico

FIGURE

3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS

Twin Lakes SA Unit #316

Oxy USA Inc.

Chaves County, New Mexico

| Sample Designation | Date | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|--|------------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) | | | 10 | 50 | NE | NE | NE | NE | 100 | 600 |
| Delineation Soil Samples | | | | | | | | | | |
| North | 11/08/2021 | Surface | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| East | 11/08/2021 | Surface | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| East 2 | 01/31/2024 | Surface | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| West | 11/08/2021 | Surface | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| South | 11/08/2021 | Surface | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| South 2 | 01/31/2024 | Surface | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.1 |
| SP1 | 11/08/2021 | Surface | <0.050 | <0.300 | <10.0 | <10.0 | 12.5 | <10.0 | 12.5 | 528 |
| SP1 | 11/08/2021 | 1 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 944 |
| SP1 | 11/08/2021 | 2 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 400 |
| SP1 | 11/08/2021 | 3 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| SP2 | 11/08/2021 | Surface | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 864 |
| SP2 | 11/08/2021 | 1 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 448 |
| SP2 | 11/08/2021 | 2 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| SP3 | 11/08/2021 | Surface | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 96.0 |
| SP3 | 11/08/2021 | 1 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 176 |
| SP3 | 11/08/2021 | 2 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| SP4 | 11/09/2021 | Surface | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 80.0 |
| SP4 | 11/09/2021 | 1 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 288 |
| SP4 | 11/09/2021 | 2 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| SP5 | 11/09/2021 | Surface | <0.050 | <0.300 | <10.0 | 19.5 | 16.1 | 19.5 | 35.6 | 416 |
| SP5 | 11/09/2021 | 1 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 896 |
| SP5 | 11/09/2021 | 2 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 416 |
| SP5 | 11/09/2021 | 3 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| SP6 | 11/09/2021 | Surface | <0.050 | <0.300 | <10.0 | 59.5 | 41.7 | 59.5 | 101 | 1,810 |
| SP6 | 11/09/2021 | 1 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 928 |
| SP6 | 11/09/2021 | 2 | <0.050 | <0.300 | <10.0 | 13.6 | <10.0 | 13.6 | 13.6 | 320 |
| SP6 | 11/09/2021 | 3 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Twin Lakes SA Unit #316
 Oxy USA Inc.
 Chaves County, New Mexico

| Sample Designation | Date | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|--|------------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) | | | 10 | 50 | NE | NE | NE | NE | 100 | 600 |
| SP7 | 11/09/2021 | Surface | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| SP7 | 11/09/2021 | 1 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 64.0 |
| SP7 | 11/09/2021 | 2 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 112 |

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX A

Referenced Well Records



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface


USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 333423104032401

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

USGS 333423104032401 08S.28E.35.41334

Chaves County, New Mexico
Latitude 33°34'23", Longitude 104°03'24" NAD27
Land-surface elevation 3,931 feet above NAVD88
The depth of the well is 157 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water-level approval status |
|------------|------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--|
| | | | | | | | | | | | |
| 1978-10-18 | | D | 62610 | | 3895.00 | NGVD29 | 1 | Z | | | A |
| 1978-10-18 | | D | 62611 | | 3896.86 | NAVD88 | 1 | Z | | | A |
| 1978-10-18 | | D | 72019 | 34.14 | | | 1 | Z | | | A |
| 1984-02-16 | | D | 62610 | | 3893.37 | NGVD29 | 1 | Z | | | A |
| 1984-02-16 | | D | 62611 | | 3895.23 | NAVD88 | 1 | Z | | | A |
| 1984-02-16 | | D | 72019 | 35.77 | | | 1 | 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 |
| 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 or Comments](#)
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[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)
[News](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for New Mexico: Water Levels

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

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

Page Last Modified: 2024-02-07 16:44:11 EST


0.36 0.31 nadww02





New Mexico Office of the State Engineer

Point of Diversion Summary

| | | | | | | | | | |
|--------------------------------|--------------|------------------------------------|-----|-----|--------|-----------------------------|-----|------------------|--|
| | | (quarters are 1=NW 2=NE 3=SW 4=SE) | | | | (NAD83 UTM in meters) | | | |
| | | (quarters are smallest to largest) | | | | | | | |
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
| | RA 09732 | | | 1 | 22 | 08S | 28E | 585283 | 3719179*  |
| <hr/> | | | | | | | | | |
| Driller License: | 1082 | Driller Company: | | | | SPEARS, JACK DRILLING CO. | | | |
| Driller Name: | SPEARS, JACK | | | | | | | | |
| Drill Start Date: | 05/14/1999 | Drill Finish Date: | | | | 06/17/1999 | | Plug Date: | |
| Log File Date: | 06/22/1999 | PCW Rev Date: | | | | | | Source: | Shallow |
| Pump Type: | | Pipe Discharge Size: | | | | | | Estimated Yield: | 10 GPM |
| Casing Size: | 5.00 | Depth Well: | | | | 922 feet | | Depth Water: | 600 feet |
| <hr/> | | | | | | | | | |
| Water Bearing Stratifications: | | | | Top | Bottom | Description | | | |
| | | | | 862 | 920 | Shallow Alluvium/Basin Fill | | | |
| <hr/> | | | | | | | | | |
| Casing Perforations: | | | | Top | Bottom | | | | |
| | | | | 832 | 922 | | | | |
| <hr/> | | | | | | | | | |

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/7/24 2:46 PM

POINT OF DIVERSION SUMMARY



APPENDIX B

Photographic Log

**Photographic Log**

Oxy USA Inc.

Twin Lakes SA Unit #316

Incident Number nAPP2405244372



Photograph 1

Date: 01/31/2024

Description: View of well pad

View: Northeast



Photograph 2

Date: 01/31/2024

Description: View of well pad

View: West

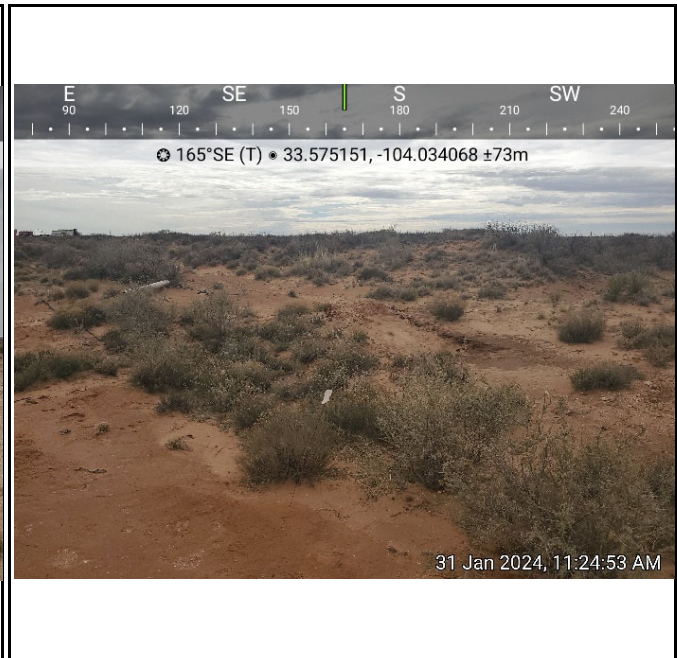


Photograph 3

Date: 01/31/2024

Description: View of well pad

View: Northwest



Photograph 4

Date: 01/31/2024

Description: View of well pad

View: South



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



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

November 16, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TWIN LAKES SA UNIT #316

Enclosed are the results of analyses for samples received by the laboratory on 11/11/21 16:55.

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:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP @ NORTH (H213228-01)

| 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 | 11/13/2021 | ND | 1.97 | 98.5 | 2.00 | 4.18 | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.96 | 97.9 | 2.00 | 3.69 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.92 | 96.0 | 2.00 | 4.00 | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 5.83 | 97.2 | 6.00 | 4.00 | |
| Total BTX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/12/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/12/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/12/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP @ EAST (H213228-02)

| 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 | 11/13/2021 | ND | 1.97 | 98.5 | 2.00 | 4.18 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.96 | 97.9 | 2.00 | 3.69 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.92 | 96.0 | 2.00 | 4.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 5.83 | 97.2 | 6.00 | 4.00 | | |
| Total BTEx | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/12/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/12/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/12/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP @ WEST (H213228-03)

| 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 | 11/13/2021 | ND | 1.97 | 98.5 | 2.00 | 4.18 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.96 | 97.9 | 2.00 | 3.69 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.92 | 96.0 | 2.00 | 4.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 5.83 | 97.2 | 6.00 | 4.00 | | |
| Total BTEx | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 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 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/12/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/12/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/12/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP @ SOUTH (H213228-04)

| 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 | 11/13/2021 | ND | 1.97 | 98.5 | 2.00 | 4.18 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.96 | 97.9 | 2.00 | 3.69 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.92 | 96.0 | 2.00 | 4.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 5.83 | 97.2 | 6.00 | 4.00 | | |
| Total BTEx | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/12/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/12/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/12/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.2 % 38.9-142

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| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 1 @ SURFACE (H213228-05)

| 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 | 11/13/2021 | ND | 1.97 | 98.5 | 2.00 | 4.18 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.96 | 97.9 | 2.00 | 3.69 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.92 | 96.0 | 2.00 | 4.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 5.83 | 97.2 | 6.00 | 4.00 | | |
| Total BTEx | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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 | 528 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/12/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/12/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | 12.5 | 10.0 | 11/12/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.4 % 38.9-142

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| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 1 @ 1' (H213228-06)

| 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 | 11/13/2021 | ND | 1.97 | 98.5 | 2.00 | 4.18 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.96 | 97.9 | 2.00 | 3.69 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.92 | 96.0 | 2.00 | 4.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 5.83 | 97.2 | 6.00 | 4.00 | | |
| Total BTEX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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 | 944 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/12/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/12/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/12/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 1 @ 2' (H213228-07)

| 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 | 11/13/2021 | ND | 1.97 | 98.5 | 2.00 | 4.18 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.96 | 97.9 | 2.00 | 3.69 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.92 | 96.0 | 2.00 | 4.00 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 5.83 | 97.2 | 6.00 | 4.00 | | |
| Total BTEx | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 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 | 400 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/12/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/12/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/12/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 100 % 38.9-142

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| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 1 @ 3' (H213228-08)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEx | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/12/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/12/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/12/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 2 @ SURFACE (H213228-09)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 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 | 864 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/12/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/12/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/12/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.7 % 38.9-142

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Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 2 @ 1' (H213228-10)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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 | 448 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/12/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/12/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/12/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.5 % 38.9-142

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 Fax To: (575) 397-0397

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 2 @ 2' (H213228-11)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEx | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/12/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/12/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/12/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 3 @ SURFACE (H213228-12)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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 | 96.0 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/12/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/12/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/12/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.0 % 38.9-142

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| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 3 @ 1' (H213228-13)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEx | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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 | 176 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/13/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/13/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/08/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 3 @ 2' (H213228-14)

| 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 | 11/15/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | |
| Toluene* | <0.050 | 0.050 | 11/15/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/15/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | |
| Total Xylenes* | <0.150 | 0.150 | 11/15/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | |
| Total BTEX | <0.300 | 0.300 | 11/15/2021 | 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 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/13/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/13/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/09/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 4 @ SURFACE (H213228-15)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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 | 80.0 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/13/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/13/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.1 % 38.9-142

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| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/09/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 4 @ 1' (H213228-16)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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 | 288 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/13/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/13/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/09/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 4 @ 2' (H213228-17)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEx | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 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 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/13/2021 | ND | 215 | 107 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/13/2021 | ND | 202 | 101 | 200 | 1.23 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.6 % 38.9-142

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Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/09/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 5 @ SURFACE (H213228-18)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 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 | 416 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/15/2021 | ND | 222 | 111 | 200 | 7.35 | |
| DRO >C10-C28* | 19.5 | 10.0 | 11/15/2021 | ND | 217 | 109 | 200 | 7.79 | |
| EXT DRO >C28-C36 | 16.1 | 10.0 | 11/15/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.5 % 38.9-142

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Analytical Results For:

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

Received: 11/11/2021
 Reported: 11/16/2021
 Project Name: TWIN LAKES SA UNIT #316
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 11/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ 1' (H213228-19)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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 | 896 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/15/2021 | ND | 222 | 111 | 200 | 7.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/15/2021 | ND | 217 | 109 | 200 | 7.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/15/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.6 % 38.9-142

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Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/09/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 5 @ 2' (H213228-20)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEx | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 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 | 416 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/15/2021 | ND | 222 | 111 | 200 | 7.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/15/2021 | ND | 217 | 109 | 200 | 7.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/15/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.7 % 38.9-142

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| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/09/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 5 @ 3' (H213228-21)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/15/2021 | ND | 222 | 111 | 200 | 7.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/15/2021 | ND | 217 | 109 | 200 | 7.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/15/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.2 % 38.9-142

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| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/09/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 6 @ SURFACE (H213228-22)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 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 | 1810 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/15/2021 | ND | 222 | 111 | 200 | 7.35 | |
| DRO >C10-C28* | 59.5 | 10.0 | 11/15/2021 | ND | 217 | 109 | 200 | 7.79 | |
| EXT DRO >C28-C36 | 41.7 | 10.0 | 11/15/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/09/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 6 @ 1' (H213228-23)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 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 | 928 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/15/2021 | ND | 222 | 111 | 200 | 7.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/15/2021 | ND | 217 | 109 | 200 | 7.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/15/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 100 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/09/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 6 @ 2' (H213228-24)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEx | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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 | 320 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/15/2021 | ND | 222 | 111 | 200 | 7.35 | |
| DRO >C10-C28* | 13.6 | 10.0 | 11/15/2021 | ND | 217 | 109 | 200 | 7.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/15/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.7 % 38.9-142

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Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/09/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 6 @ 3' (H213228-25)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 11/15/2021 | ND | 222 | 111 | 200 | 7.35 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/15/2021 | ND | 217 | 109 | 200 | 7.79 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/15/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 84.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.6 % 38.9-142

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Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/09/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 7 @ SURFACE (H213228-26)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 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 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/15/2021 | ND | 222 | 111 | 200 | 7.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/15/2021 | ND | 217 | 109 | 200 | 7.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/15/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/09/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 7 @ 1' (H213228-27)

| 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 | 11/13/2021 | ND | 2.12 | 106 | 2.00 | 0.162 | | |
| Toluene* | <0.050 | 0.050 | 11/13/2021 | ND | 2.01 | 100 | 2.00 | 0.238 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/13/2021 | ND | 1.99 | 99.6 | 2.00 | 0.809 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/13/2021 | ND | 6.03 | 100 | 6.00 | 1.94 | | |
| Total BTEX | <0.300 | 0.300 | 11/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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 | 64.0 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/15/2021 | ND | 222 | 111 | 200 | 7.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/15/2021 | ND | 217 | 109 | 200 | 7.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/15/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.3 % 38.9-142

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Analytical Results For:

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

| | | | |
|-------------------|-------------------------|---------------------|----------------|
| Received: | 11/11/2021 | Sampling Date: | 11/09/2021 |
| Reported: | 11/16/2021 | Sampling Type: | Soil |
| Project Name: | TWIN LAKES SA UNIT #316 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY - NEW MEXICO | | |

Sample ID: SP 7 @ 2' (H213228-28)

| 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 | 11/12/2021 | ND | 2.20 | 110 | 2.00 | 4.80 | | |
| Toluene* | <0.050 | 0.050 | 11/12/2021 | ND | 2.08 | 104 | 2.00 | 4.14 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/12/2021 | ND | 2.06 | 103 | 2.00 | 3.87 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/12/2021 | ND | 6.31 | 105 | 6.00 | 4.33 | | |
| Total BTEX | <0.300 | 0.300 | 11/12/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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 | 112 | 16.0 | 11/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/15/2021 | ND | 222 | 111 | 200 | 7.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/15/2021 | ND | 217 | 109 | 200 | 7.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/15/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.8 % 38.9-142

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Notes and Definitions

| | |
|-------|---|
| QR-03 | The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. |
| 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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

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101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|--|--|--|--------------|--|--|--|--|--------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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: TWIN LAKES SA UNIT #316 Project Location: NEW MEXICO Sampler Name: SIMON | | | | BILL TO P.O. #: Company: <u>Oxy</u> Attn: Address: City: State: Zip: Phone #: Fax #: | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | | | | PRESERV. ACID/BASE: ICE / COOL OTHER: | | SAMPLING DATE TIME | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | | | (GRAB OR (COMP. | # CONTAINERS | | | | | | | | | | | | | | | | | | |
| <u>H213228</u> | | | | | | | | | | | | | | | | | | | | | | | |
| <u>1</u> | SP @ NORTH | | | <u>1</u> | | | | | | | | | | | | | | | | | | | |
| <u>2</u> | SP @ EAST | | | | | | | | | | | | | | | | | | | | | | |
| <u>3</u> | SP @ WEST | | | | | | | | | | | | | | | | | | | | | | |
| <u>4</u> | SP @ SOUTH | | | | | | | | | | | | | | | | | | | | | | |
| <u>5</u> | SP 1 @ SURFACE | | | | | | | | | | | | | | | | | | | | | | |
| <u>6</u> | SP 1 @ 1' | | | | | | | | | | | | | | | | | | | | | | |
| <u>7</u> | SP 1 @ 2' | | | | | | | | | | | | | | | | | | | | | | |
| <u>8</u> | SP 1 @ 3' | | | | | | | | | | | | | | | | | | | | | | |
| <u>9</u> | SP 2 @ SURFACE | | | | | | | | | | | | | | | | | | | | | | |
| <u>10</u> | SP 2 @ 1' | | | | | | | | | | | | | | | | | | | | | | |
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| Relinquished By: <u>Simon Gordon</u> Date: <u>11-11-21</u> Time: <u>6:00 PM</u> | | | | Received By: <u>Israel Pena</u> Date: <u>11-11-21</u> Time: <u>4:55 PM</u> | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: | | | | | | | | | | | | | | | |
| Relinquished By: <u>Israel Pena</u> Date: <u>11-11-21</u> Time: <u>4:55 PM</u> | | | | Received By: <u>Samara Olatunji</u> Date: <u>11-11-21</u> Time: <u>4:55 PM</u> | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) <u>C-O.S.C</u> Sampler - UPS - Bus - Other: <u>5.6c #113</u> | | | | Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | CHECKED BY: (Initials) <u>JO</u> | | | | | | | | | | | | | | | |

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101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|------------------|--------------|---------------------|----------|----------|---------|-------------------------|------------|---------|---------|---------|---|---|---|--|--|--|--|--|--|--|
| Company Name: BBC International, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | |
| Project Manager: Cliff Brunson | | | | P.O. #: | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 805 | | | | Company: <u>Oxy</u> | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88241 | | | | Attn: | | | | | | | | | | | | | | | | | | |
| Phone #: 575-397-6388 Fax #: 575-397-0397 | | | | Address: | | | | | | | | | | | | | | | | | | |
| Project #: Project Owner: Oxy | | | | City: | | | | | | | | | | | | | | | | | | |
| Project Name: TWIN LAKES SA UNIT #316 | | | | State: Zip: | | | | | | | | | | | | | | | | | | |
| Project Location: NEW MEXICO | | | | Phone #: | | | | | | | | | | | | | | | | | | |
| Sampler Name: SIMON | | | | Fax #: | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | GIRAB OR (C)OMP. | # CONTAINERS | MATRIX | PRESERV. | SAMPLING | | | | | | | | | | | | | | | | |
| | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | | | | | | | | | | |
| <u>H&I 3228</u> | | | | | | | | | | | | | | | | | | | | | | |
| <u>21</u> | SP 5 @ 3' | | | | | | | | | | 11/9/21 | 11:05AM | ✓ | ✓ | ✓ | | | | | | | |
| <u>22</u> | SP 6 @ SURFACE | | | | | | | | | | 11/9/21 | 11:12AM | ✓ | ✓ | ✓ | | | | | | | |
| <u>23</u> | SP 6 @ 1' | | | | | | | | | | 11/9/21 | 11:18AM | ✓ | ✓ | ✓ | | | | | | | |
| <u>24</u> | SP 6 @ 2' | | | | | | | | | | 11/9/21 | 11:25AM | ✓ | ✓ | ✓ | | | | | | | |
| <u>25</u> | SP 6 @ 3' | | | | | | | | | | 11/9/21 | 11:34AM | ✓ | ✓ | ✓ | | | | | | | |
| <u>26</u> | SP 7 @ SURFACE | | | | | | | | | | 11/9/21 | 11:42AM | ✓ | ✓ | ✓ | | | | | | | |
| <u>27</u> | SP 7 @ 1' | | | | | | | | | | 11/9/21 | 11:54AM | ✓ | ✓ | ✓ | | | | | | | |
| <u>28</u> | SP 7 @ 2' | | | | | | | | | | 11/9/21 | 12:07PM | ✓ | ✓ | ✓ | | | | | | | |

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| | | | | |
|--|-----------------------|---|--|----------------|
| Relinquished By: <u>Simon</u> | Date: <u>11-11-21</u> | Received By: <u>Israel Pena</u> | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| Relinquished By: <u>Israel Pena</u> | Date: <u>11-11-21</u> | Received By: <u>Jamara</u> | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #: |
| Delivered By: (Circle One) <u>6.1c</u> <u>C-0.5c</u> | Time: <u>4:55 PM</u> | Sample Condition | CHECKED BY: (Initials) <u>JO</u> | |
| Sampler - UPS - Bus - Other: <u>5.6c #13</u> | | Cool Intact | | |
| | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| REMARKS: | | | | |

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

February 04, 2024

AIMEE COLE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: TWIN LAKES SA UNIT #316

Enclosed are the results of analyses for samples received by the laboratory on 02/01/24 10:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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
 AIMEE COLE
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 02/01/2024
 Reported: 02/04/2024
 Project Name: TWIN LAKES SA UNIT #316
 Project Number: 03E1417009
 Project Location: OXY- CHAVES COUNTY, NM

Sampling Date: 01/31/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EAST 2 SURFACE (H240478-01)

| 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 | 02/02/2024 | ND | 2.13 | 107 | 2.00 | 1.71 | |
| Toluene* | <0.050 | 0.050 | 02/02/2024 | ND | 2.14 | 107 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/02/2024 | ND | 2.12 | 106 | 2.00 | 1.58 | |
| Total Xylenes* | <0.150 | 0.150 | 02/02/2024 | ND | 6.39 | 107 | 6.00 | 1.50 | |
| Total BTX | <0.300 | 0.300 | 02/02/2024 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 02/02/2024 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/01/2024 | ND | 193 | 96.7 | 200 | 1.46 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/01/2024 | ND | 202 | 101 | 200 | 0.163 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/01/2024 | ND | | | | | |

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 AIMEE COLE
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 02/01/2024
 Reported: 02/04/2024
 Project Name: TWIN LAKES SA UNIT #316
 Project Number: 03E1417009
 Project Location: OXY- CHAVES COUNTY, NM

Sampling Date: 01/31/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SOUTH 2 SURFACE (H240478-02)

| 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 | 02/02/2024 | ND | 2.13 | 107 | 2.00 | 1.71 | |
| Toluene* | <0.050 | 0.050 | 02/02/2024 | ND | 2.14 | 107 | 2.00 | 1.60 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/02/2024 | ND | 2.12 | 106 | 2.00 | 1.58 | |
| Total Xylenes* | <0.150 | 0.150 | 02/02/2024 | ND | 6.39 | 107 | 6.00 | 1.50 | |
| Total BTX | <0.300 | 0.300 | 02/02/2024 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 02/02/2024 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/01/2024 | ND | 193 | 96.7 | 200 | 1.46 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/01/2024 | ND | 202 | 101 | 200 | 0.163 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/01/2024 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

| | |
|-----|--|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

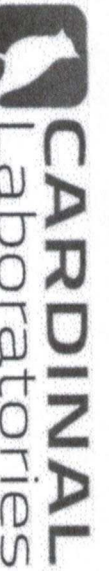
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Aimee Cole

Address: 601 N. Marientfield St. STE 400

City: Midland State: TX Zip: 79701

Phone #: 720-384-7365 Fax #:

Project #: 03E1417009 Project Owner:

Project Name: Twin Lakes SA Unit #316

Project Location: Chavez County

Sampler Name: SK

P.O. #:

Company: Oxy USA, Inc.

Attn: Wade Dittich

Address:

City:

State: Zip:

Phone #: 575-390-2828

Fax #:

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Sample Depth (feet)

H460478

East 2
South 2

Surface
Surface

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX

TPH

Chloride

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Relinquished By:

Date: 2/24/24

Received By: Speeding

Relinquished By:

Date: 10/27

Received By: Speeding

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C 4.4

Corrected Temp. °C

Sample Condition Cool Intact Yes No

CHECKED BY: (Initials)

Turnaround Time: 48 hrs

Standard Rush

Bacteria (only) Sample Condition Cool Intact Yes No

Observed Temp. °C Corrected Temp. °C

Verbal Result: ☐ Yes ☒ No Add'l Phone #:

ACole@ensolum.com

REMARKS: 48 hrs

Thermometer ID: #140

Correction Factor: -0.3

FORM-006 R 3.2 10/01/21

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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

QUESTIONS

Action 318564

QUESTIONS

| | |
|--|--|
| Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294 | OGRID: 16696 |
| | Action Number: 318564 |
| | Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |
| | |

QUESTIONS

| | |
|----------------------|---|
| Prerequisites | |
| Incident ID (n#) | nAPP2405244372 |
| Incident Name | NAPP2405244372 TWIN LAKES SA UNIT #316 @ 30-005-63185 |
| Incident Type | Oil Release |
| Incident Status | Remediation Plan Received |
| Incident Well | [30-005-63185] TWIN LAKES SAN ANDRES UNIT #316 |

| | |
|--|-------------------------|
| Location of Release Source | |
| Please answer all the questions in this group. | |
| Site Name | Twin Lakes SA Unit #316 |
| Date Release Discovered | 11/01/2021 |
| Surface Owner | State |

| | |
|--|-------------|
| Incident Details | |
| Please answer all the questions in this group. | |
| Incident Type | Oil Release |
| Did this release result in a fire or is the result of a fire | No |
| Did this release result in any injuries | No |
| Has this release reached or does it have a reasonable probability of reaching a watercourse | No |
| Has this release endangered or does it have a reasonable probability of endangering public health | No |
| Has this release substantially damaged or will it substantially damage property or the environment | No |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No |

| | |
|--|---|
| Nature and Volume of Release | |
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. | |
| Crude Oil Released (bbls) Details | Cause: Other Unknown Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL. |
| Produced Water Released (bbls) Details | Cause: Other Unknown Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | No |
| Condensate Released (bbls) Details | Not answered. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Not answered. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Historical release, volume is unknown. Oxy is not the Operator of the Incident Well and has no independent knowledge of the facts or circumstances surrounding the nature, content or volume of any release(s), contemporaneous to any such release(s). All information submitted by Oxy herein is based on Oxy's present day observations of the site, and educated guesses based on those observations. Oxy submits this Notification of Release pursuant to an agreement with the New Mexico State Land Office, as lessee of record. |

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
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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

QUESTIONS, Page 2

Action 318564

QUESTIONS (continued)

| | | |
|--|----------------|--|
| Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294 | OGRID: | 16696 |
| | Action Number: | 318564 |
| | Action Type: | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |
| | | |

QUESTIONS

| | |
|--|--|
| Nature and Volume of Release (continued) | |
| Is this a gas only submission (i.e. only significant Mcf values reported) | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | Yes |
| Reasons why this would be considered a submission for a notification of a major release | From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| <i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i> | |

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 | True |
| The impacted area has been secured to protect human health and the environment | True |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | False |
| All free liquids and recoverable materials have been removed and managed appropriately | True |
| If all the actions described above have not been undertaken, explain why | Historical release |

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

| | |
|--|---|
| I hereby agree and sign off to the above statement | Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/29/2024 |
|--|---|

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

QUESTIONS, Page 3

Action 318564

QUESTIONS (continued)

| | |
|--|----------------|
| Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294 | OGRID: |
| | 16696 |
| | Action Number: |
| | 318564 |
| Action Type: | |
| [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) | |

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs) | Between 26 and 50 (ft.) |
| What method was used to determine the depth to ground water | U.S. Geological Survey |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| A continuously flowing watercourse or any other significant watercourse | Between ½ and 1 (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Between ½ and 1 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Greater than 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1 and 5 (mi.) |
| Any other fresh water well or spring | Between 1 and 5 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between ½ and 1 (mi.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | Low |
| A 100-year floodplain | Between 1 and 5 (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site | No |

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| | |
|---|-----|
| Requesting a remediation plan approval with this submission | Yes |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. | |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

| | | |
|-------------------|------------------------------------|------|
| Chloride | (EPA 300.0 or SM4500 Cl B) | 1810 |
| TPH (GRO+DRO+MRO) | (EPA SW-846 Method 8015M) | 101 |
| GRO+DRO | (EPA SW-846 Method 8015M) | 59.5 |
| BTEX | (EPA SW-846 Method 8021B or 8260B) | 0 |
| Benzene | (EPA SW-846 Method 8021B or 8260B) | 0 |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

| | |
|---|------------|
| On what estimated date will the remediation commence | 06/01/2024 |
| On what date will (or did) the final sampling or liner inspection occur | 08/30/2024 |
| On what date will (or was) the remediation complete(d) | 08/30/2024 |
| What is the estimated surface area (in square feet) that will be reclaimed | 11100 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 815 |
| What is the estimated surface area (in square feet) that will be remediated | 11100 |
| What is the estimated volume (in cubic yards) that will be remediated | 815 |

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

1625 N. French Dr., Hobbs, NM 88240
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District II

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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

QUESTIONS, Page 4

Action 318564

QUESTIONS (continued)

| | | |
|--|----------------|--|
| Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294 | OGRID: | 16696 |
| | Action Number: | 318564 |
| | Action Type: | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |
| | | |

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

| | |
|---|--|
| (Select all answers below that apply.) | |
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | Yes |
| Which OCD approved facility will be used for off-site disposal | R360 Artesia LLC LANDFARM [FEEM0112340644] |
| OR which OCD approved well (API) will be used for off-site disposal | Not answered. |
| OR is the off-site disposal site, to be used, out-of-state | Not answered. |
| OR is the off-site disposal site, to be used, an NMED facility | Not answered. |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | Not answered. |
| (In Situ) Soil Vapor Extraction | Not answered. |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | Not answered. |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | Not answered. |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | Not answered. |
| Ground Water Abatement pursuant to 19.15.30 NMAC | Not answered. |
| OTHER (Non-listed remedial process) | Not answered. |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

| | |
|--|---|
| I hereby agree and sign off to the above statement | Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/29/2024 |
|--|---|

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 318564

QUESTIONS (continued)

| | | |
|--|--|--------|
| Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294 | OGRID: | 16696 |
| | Action Number: | 318564 |
| | Action Type: | |
| | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) | |

QUESTIONS

| | |
|--|----|
| Deferral Requests Only | |
| Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation. | |
| Requesting a deferral of the remediation closure due date with the approval of this submission | No |

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QUESTIONS, Page 6
Action 318564

QUESTIONS (continued)

| | |
|--|--|
| Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294 | OGRID: 16696 |
| | Action Number: 318564 |
| | Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

QUESTIONS

| | |
|--|----------------|
| Sampling Event Information | |
| Last sampling notification (C-141N) recorded | {Unavailable.} |

| | |
|--|----|
| Remediation Closure Request | |
| Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed. | |
| Requesting a remediation closure approval with this submission | No |

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CONDITIONS

Action 318564

CONDITIONS

| | |
|--|--|
| Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294 | OGRID: 16696 |
| | Action Number: 318564 |
| | Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| scwells | Remediation plan approved. Variance approved to collect floor samples from the excavation every 400 square feet. Submit remediation closure report to the OCD by 6/11/2024. | 3/12/2024 |