



April 25, 2025

New Mexico Oil Conservation Division

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

**Re: Closure Request
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 this *Closure Request* as a follow-up to the *Remediation Work Plan* (Work Plan) submitted to the New Mexico Oil Conservation Division (NMOCD) on February 29, 2024, and approved by NMOCD on March 12, 2024. This *Closure Request* documents assessment, excavation, and soil sampling activities performed at the Twin Lakes SA Unit #316 (Site) to address historical impacted soil identified at the Site. Based on the remediation activities completed as outlined in the approved *Work Plan*, Oxy is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number nAPP2405244372.

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 identified by the NMSLO. 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 *Closure Request* pursuant to an agreement with the NMSLO, as lessee of record.

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CULTURAL PROPERTIES PROTECTION

A portion of the excavation was anticipated to encroach into a previously undisturbed pasture area; therefore, the Cultural Properties Protection Rule (CPP) was followed prior to disturbing the surface. An Archaeological Records Management System (ARMS) review and pedestrian survey were completed at the Site. A cultural resource was identified near the Site and archaeological monitoring was conducted by Beaver Creek Archaeology during the excavation activities. A Cultural Resources Cover Sheet and email correspondence with the SLO Cultural Resource Office are attached as Appendix A. Beaver Creek Archaeology will prepare a monitoring report for the SLO.

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 desktop review were detailed in the approved *Work Plan* and summarized in the NMOCD permitting portal, Form C-141 Site Characterization section. Potential Site receptors are identified on Figure 1.

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

- 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

As detailed in the *Work Plan*, BBC and Ensolum personnel were at the Site during November 2021 and January 2024, 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 release, 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 the potholes 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. 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 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

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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 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 points 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 impacted soil. Laboratory analytical results are summarized on the attached Table 1.

Based on the soil sample analytical results, excavation activities were completed at the Site as outlined in the approved *Work Plan* and are detailed below.

EXCAVATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

During March 2025, BBC completed excavation of impacted soil around sample points SP1, SP2, SP5, and SP6, as outlined in the approved *Work Plan*. Excavation activities were performed utilizing a track-mounted backhoe and transport vehicles. The excavation was completed to depths ranging from 1-foot to 2 feet bgs.

Following removal of impacted soil, BBC collected 5-point composite soil samples every 400 square feet from the floor of the excavation and every 200 square feet from the sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples BOTTOM 1 through BOTTOM 30 were collected from the floor of the excavation at depths ranging from 1-foot to 2 feet bgs. Composite soil samples SIDEWALL 1 through SIDEWALL 13 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 2 feet bgs. The excavation soil samples were handled and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations were mapped utilizing a handheld GPS and are presented on Figure 3. Photographic documentation was completed during the excavation activities and a photographic log is included in Appendix B.

Laboratory analytical results for excavation floor samples BOTTOM 1 through BOTTOM 30 and excavation sidewall samples SIDEWALL 1 through SIDEWALL 13, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria. Based on the laboratory analytical results, no further excavation was required. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included as Appendix C.

The excavation measured approximately 11,514 square feet in areal extent. A total of approximately 853 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Gandy Marley Inc. (GMI) landfill located in Roswell, New Mexico.

RECLAMATION ACTIVITIES

Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled with locally procured soil. One representative 5-point composite sample (Backfill) was collected from the backfill material. The backfill soil sample was handled and analyzed following the same procedures as described above. Laboratory analytical results for the backfill soil sample confirmed compliance with the NMOCD requirements for the reclaimed area to contain non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 milligrams per kilogram (mg/kg) and TPH concentrations less than 100 mg/kg. Photographs of the backfilled excavation are

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provided in Appendix B. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical report is included as Appendix C.

Following backfill activities, the disturbed area was recontoured to match the surrounding topography. The reclaimed excavation area will be seeded during the Spring of 2025 when temperatures and precipitation are more conducive to vegetation growth. The Site will be seeded with the below NMSLO loamy sites seed mix at the rate specified in pounds of pure live seed (PLS) per acre.

Common Name	Variety	PLS/Acre
Black grama	VNS, Southern	1.0
Blue grama	Lovington	1.0
Sideoats grama	Vaughn, El Reno	4.0
Sand dropseed	VNS, Southern	2.0
Alkali sacaton	VNS, Southern	1.0
Little bluestem	Cimarron, Pastura	1.5

The seed mix will be applied via drill seeding or broadcast seeding. If broadcast seeding is selected, the PLS/acre will be doubled and the seed will be raked in by chaining or dragging the Site.

The Site will be monitored for vegetation growth to verify that reclamation activities were successful. Focus for this phase will be to prevent erosion and Site degradation, and to monitor for and treat invasive and noxious weed species.

- Erosion control of the newly reclaimed areas includes prompt revegetation and contouring of the surface to prevent concentrated surface water flow.
- Annual inspections will take place at the location to assess revegetation progress until vegetation is consistent with local natural vegetation density.
- If necessary, an additional application of the NMSLO seed mix will be applied.
- Noxious and invasive weeds will be identified and treated by a licensed contracted herbicide applicator or mechanically removed.

A *Re-vegetation Report* will be submitted to the NMOCD and NMSLO once vegetation growth in the reclaimed excavation area has a uniform vegetative cover that reflects a life-form ratio of plus or minus 50 percent (%) of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

CLOSURE REQUEST


As outlined in the approved *Work Plan*, excavation activities were conducted to address the historical impacted soil identified at the Site. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria. Based on excavation and soil sampling activities completed as outlined in the *Work Plan*, no further remediation is required.

Excavation of impacted soil has mitigated impacts at this Site. Oxy believes the remedial actions completed are protective of human health, the environment, and groundwater and respectfully requests closure for Incident Number nAPP2405244372.

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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

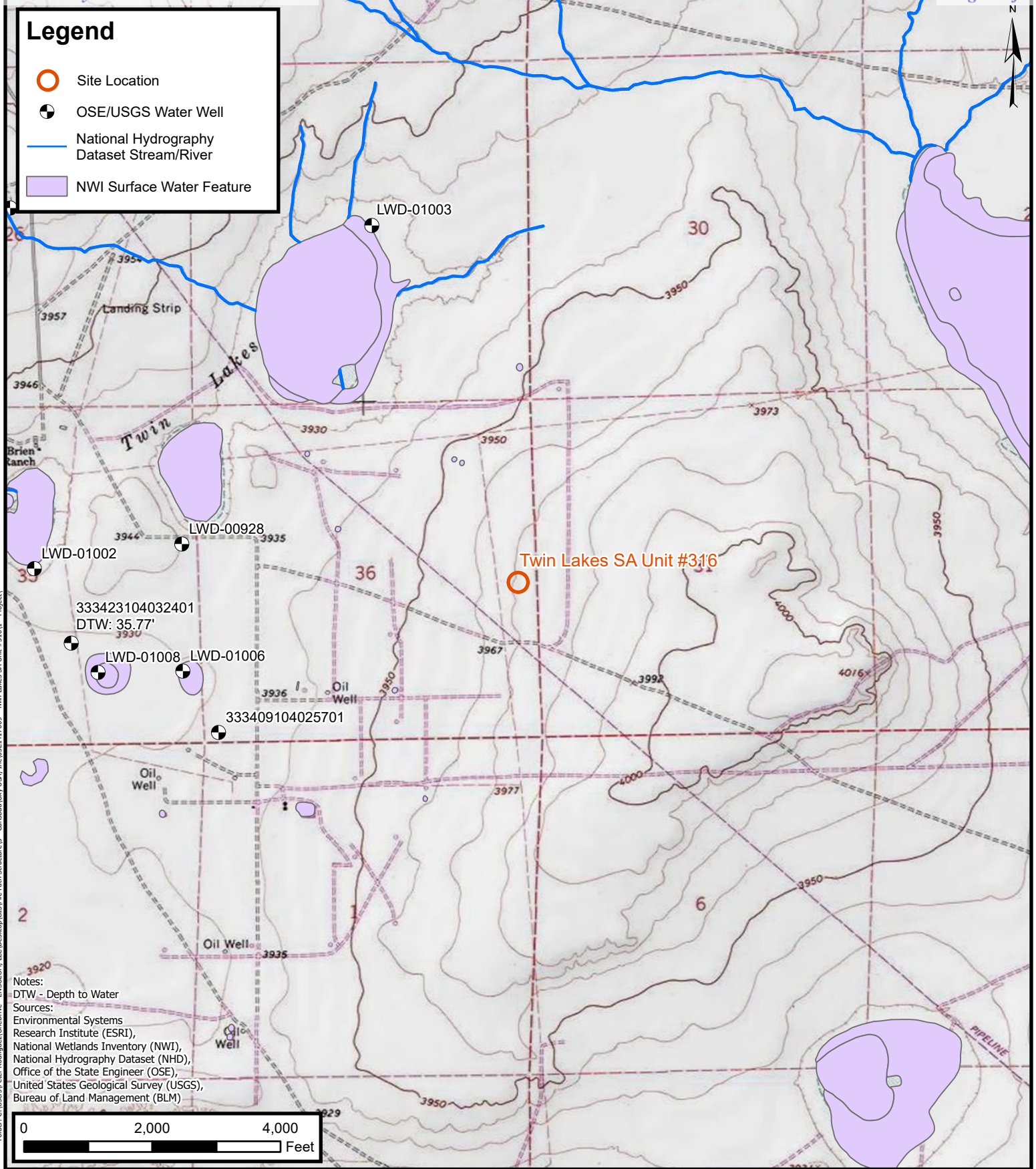
cc: Wade Dittrich, Oxy USA Inc.
New Mexico State Land Office

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	NMSLO Cultural Resources Cover Sheet
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix D	NMOCD Correspondence



FIGURES

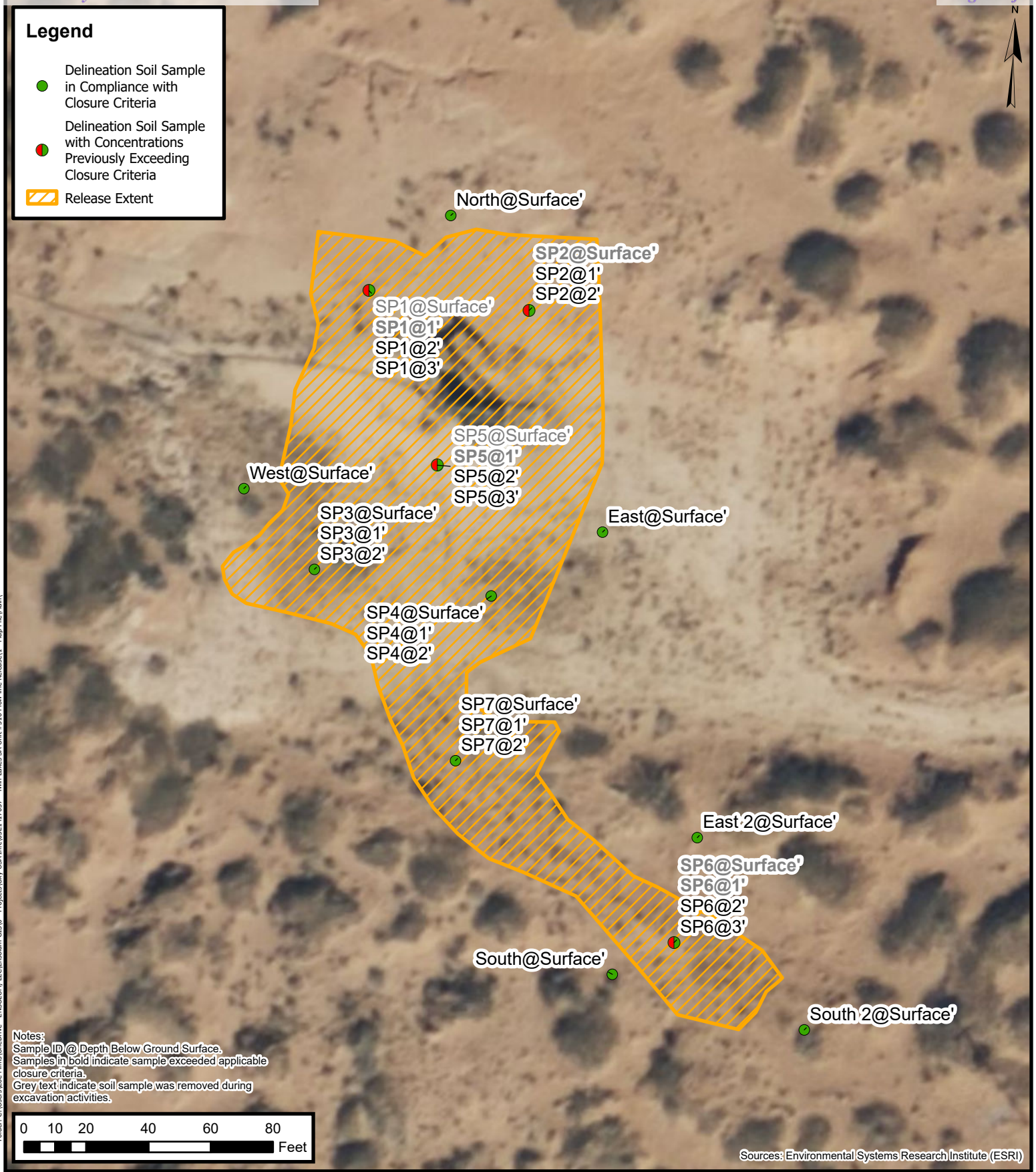


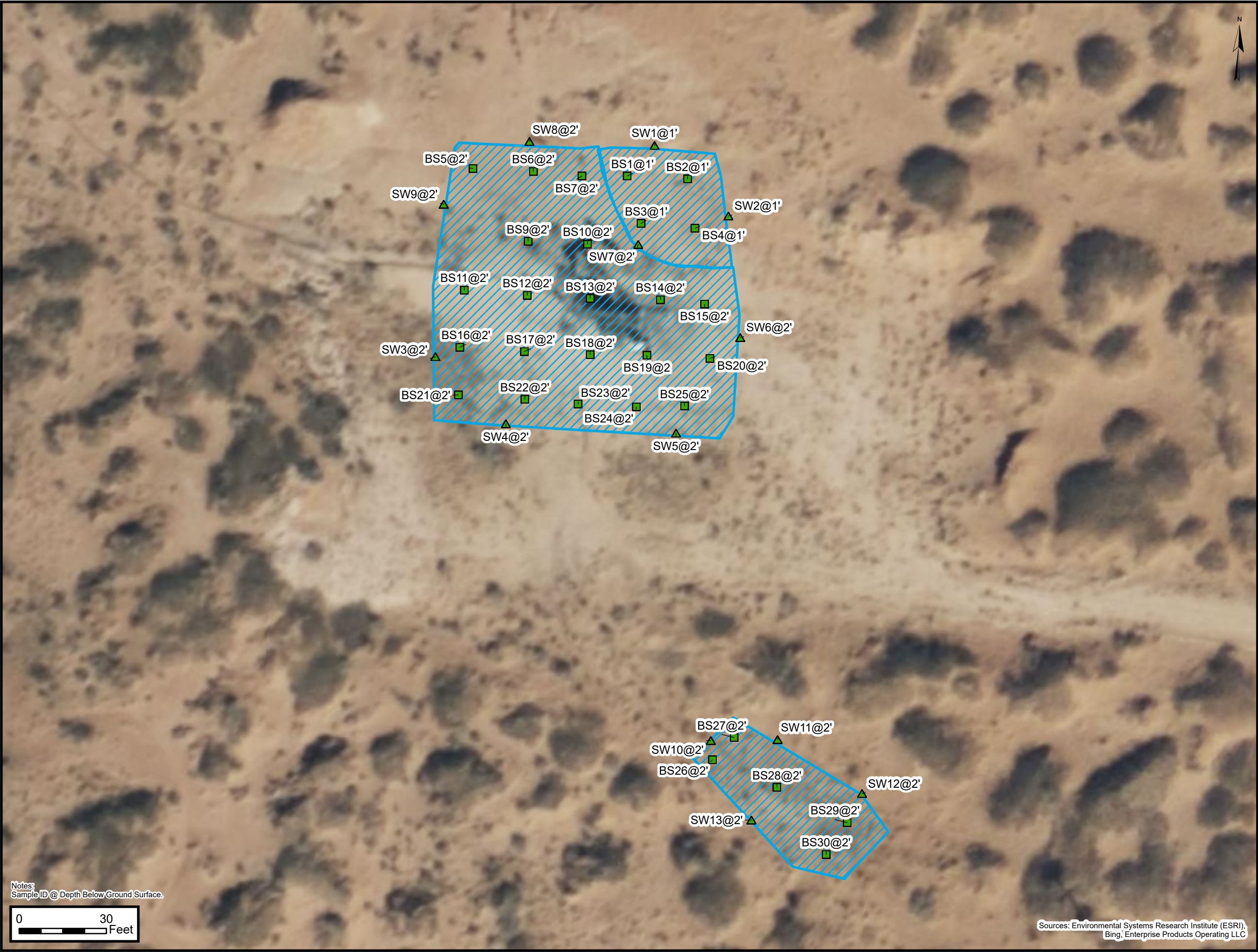
Site Receptor Map

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FIGURE

1





Legend

- Excavation Bottom Sample in Compliance with Closure Criteria
- Excavation Sidewall Sample in Compliance with Closure Criteria

Excavation Extent

- BS Bottom Sample
- SW Sidewall Sample

Excavation Soil Sample Locations

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Eddy 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
Surface	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
Floor Excavation Soil Samples										
Bottom 1	03/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 2	03/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 3	03/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 4	03/14/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 5	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 6	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 7	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 8	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 9	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 10	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 11	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 12	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 13	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 14	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 15	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 16	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 17	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 18	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 19	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 20	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 21	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 22	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 23	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 24	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 25	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0



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 Twin Lakes SA Unit #316
 Oxy USA Inc.
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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
Bottom 26	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 27	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 28	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Bottom 29	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Bottom 30	03/14/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Sidewall Excavation Soil Samples										
Sidewall 1	03/14/2025	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Sidewall 2	03/14/2025	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Sidewall 3	03/14/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Sidewall 4	03/14/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Sidewall 5	03/14/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Sidewall 6	03/14/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Sidewall 7	03/14/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Sidewall 8	03/14/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 9	03/14/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 10	03/14/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 11	03/14/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 12	03/14/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 13	03/14/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Backfill Soil Sample										
Backfill	01/31/2025	NA	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

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
 Grey text represents samples that have been excavated



APPENDIX A

NMSLO Cultural Resources Cover Sheet



Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:

(if applicable)

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22



Stephanie Garcia Richard
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S OFFICE

Phone (505) 827-5760

Fax (505) 827-5766

www.nmstatelands.org

MEMORANDUM

TO: Ensolum

FROM: Megan Weldy, *Archaeologist/Conservationist*
(505) 827-5742
mweldy@nmslo.gov

SUBJECT: Ensolum on behalf of Oxy USA
Remediation for: Oxy USA's Twin Lakes SA Unit #316 Flowline Release (Area 2)
Section 36, T08S, R28E,
Section 31, T08S, R29E, N.M.P.M. Chaves County

REFERENCE: NMSLO Cultural Properties Protection Rule (19.2.24 NMAC)

DATE: 1/22/2025

Thank you for your submission relating to the Proponent's proposed remediation activities at Oxy USA's Twin Lakes SA Unit #316 Flowline Release (Area 2). An archaeological survey of the entire area of potential effect has been completed and one cultural property was identified, LA 204597. All surface-disturbing remediation activities occurring within the site boundary, including excavation, are restricted to previously disturbed areas within the site boundary. An archaeological monitor for all remediation activities occurring within the site boundary or within 100 feet of the site boundary is required. Pursuant to NMSLO 19.2.24.8 (C) NMAC and stipulations outlined above, remediation may proceed.

If any cultural materials are inadvertently encountered during surface disturbance, work must cease within 50 feet and the NMSLO Cultural Resources Office must be notified immediately by emailing (CROinfo@nmslo.gov). Please reach out if you have questions or need additional clarification.



APPENDIX B

Photographic Log



Photographic Log

Oxy USA, Inc.

Twin Lakes SA Unit #316

Incident Number nAPP2405244372



Photograph 1

Date: March 2025

Description: Excavation extent



Photograph 2

Date: March 2025

Description: Excavation extent



Photograph 3

Date: March 2025

Description: Excavation extent



Photograph 4

Date: March 2025

Description: Excavation extent

**Photographic Log**

Oxy USA, Inc.

Twin Lakes SA Unit #316

Incident Number nAPP2405244372



Photograph 5

Date: March 2025

Description: Backfill activities



Photograph 6

Date: March 2025

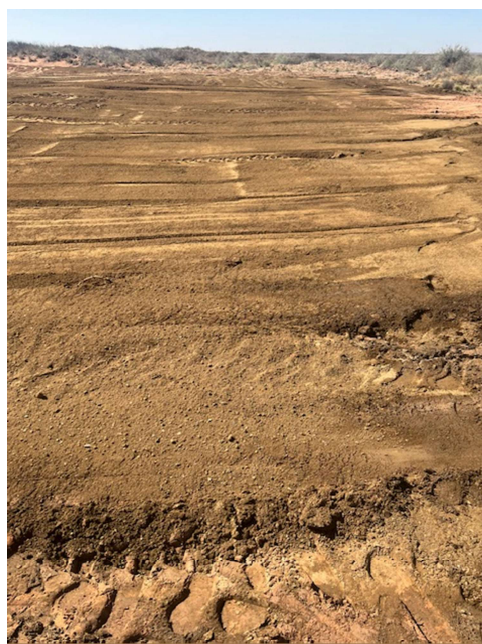
Description: Backfill activities



Photograph 7

Date: March 2025

Description: Backfill activities



Photograph 8

Date: March 2025

Description: Backfill activities



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



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

March 21, 2025

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 03/17/25 13:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly legible.

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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 1 @ 1' (H251552-01)

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	03/18/2025	ND	1.94	96.9	2.00	3.37	
Toluene*	<0.050	0.050	03/18/2025	ND	2.02	101	2.00	0.920	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	113	2.00	0.599	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.93	116	6.00	0.636	
Total BTX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92	

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	03/18/2025	ND	223	111	200	0.899	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	203	101	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 2 @ 1' (H251552-02)

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	03/18/2025	ND	1.94	96.9	2.00	3.37		
Toluene*	<0.050	0.050	03/18/2025	ND	2.02	101	2.00	0.920		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	113	2.00	0.599		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.93	116	6.00	0.636		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	223	111	200	0.899	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	203	101	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 91.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.5 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 3 @ 1' (H251552-03)

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	03/18/2025	ND	1.94	96.9	2.00	3.37		
Toluene*	<0.050	0.050	03/18/2025	ND	2.02	101	2.00	0.920		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	113	2.00	0.599		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.93	116	6.00	0.636		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	223	111	200	0.899	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	203	101	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.4 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 4 @ 1' (H251552-04)

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	03/18/2025	ND	1.94	96.9	2.00	3.37		
Toluene*	<0.050	0.050	03/18/2025	ND	2.02	101	2.00	0.920		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	113	2.00	0.599		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.93	116	6.00	0.636		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	223	111	200	0.899	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	203	101	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.6 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 5 @ 2' (H251552-05)

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	03/18/2025	ND	1.94	96.9	2.00	3.37		
Toluene*	<0.050	0.050	03/18/2025	ND	2.02	101	2.00	0.920		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.25	113	2.00	0.599		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.93	116	6.00	0.636		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	223	111	200	0.899	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	203	101	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.2 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 6 @ 2' (H251552-06)

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	03/18/2025	ND	2.03	102	2.00	9.43	QM-07	
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	223	111	200	0.899	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	203	101	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.4 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 7 @ 2' (H251552-07)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	223	111	200	0.899	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	203	101	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.3 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 8 @ 2' (H251552-08)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	223	111	200	0.899	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	203	101	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.1 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 9 @ 2' (H251552-09)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	223	111	200	0.899	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	203	101	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 91.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.4 % 40.6-153

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Analytical Results For:

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

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 10 @ 2' (H251552-10)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	223	111	200	0.899	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	203	101	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.8 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 11 @ 2' (H251552-11)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	223	111	200	0.899	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	203	101	200	0.241	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.9 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 12 @ 2' (H251552-12)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEX	<0.300	0.300	03/18/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.0 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 13 @ 2' (H251552-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 78.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.5 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 14 @ 2' (H251552-14)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.2 % 40.6-153

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Analytical Results For:

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

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 15 @ 2' (H251552-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.7 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 16 @ 2' (H251552-16)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.2 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 17 @ 2' (H251552-17)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	400	100	400	3.92		

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	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.8 % 40.6-153

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Analytical Results For:

BBC International, Inc.
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 18 @ 2' (H251552-18)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.3 % 40.6-153

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Analytical Results For:

BBC International, Inc.
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 19 @ 2' (H251552-19)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.7 % 40.6-153

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 20 @ 2' (H251552-20)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.7 % 40.6-153

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 21 @ 2' (H251552-21)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.0 % 40.6-153

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Analytical Results For:

BBC International, Inc.
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 22 @ 2' (H251552-22)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 75.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.7 % 40.6-153

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Analytical Results For:

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

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 23 @ 2' (H251552-23)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147		
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72		
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND						

Surrogate: 1-Chlorooctane 86.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.9 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 24 @ 2' (H251552-24)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 79.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.5 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 25 @ 2' (H251552-25)

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	03/18/2025	ND	2.03	102	2.00	9.43		
Toluene*	<0.050	0.050	03/18/2025	ND	2.14	107	2.00	6.26		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.31	115	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.97	116	6.00	4.52		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.7 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 26 @ 2' (H251552-26)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.8 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 27 @ 2' (H251552-27)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.8 % 40.6-153

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Analytical Results For:

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

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 28 @ 2' (H251552-28)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.9 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 29 @ 2' (H251552-29)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 84.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.0 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 30 @ 2' (H251552-30)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.8 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 1 @ 1' (H251552-31)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	213	107	200	0.147	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.5 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 2 @ 1' (H251552-32)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 68.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.1 % 40.6-153

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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: 03/17/2025
 Reported: 03/21/2025
 Project Name: TWIN LAKES SA UNIT #316
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 03/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SIDEWALL 3 @ 2' (H251552-33)

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	03/18/2025	ND	2.10	105	2.00	9.61	
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 74.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.4 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 4 @ 2' (H251552-34)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.9 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 5 @ 2' (H251552-35)

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	03/18/2025	ND	2.10	105	2.00	9.61	
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 6 @ 2' (H251552-36)

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	03/18/2025	ND	2.10	105	2.00	9.61	
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/18/2025	ND	400	100	400	7.69	

TPH 8015M			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51		
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96		
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND						

Surrogate: 1-Chlorooctane 74.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 7 @ 2' (H251552-37)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/18/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 77.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.2 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 8 @ 2' (H251552-38)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	432	108	400	3.77		

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	03/19/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.3 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 9 @ 2' (H251552-39)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	432	108	400	3.77		

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	03/19/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.1 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 10 @ 2' (H251552-40)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	432	108	400	3.77		

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	03/19/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 11 @ 2' (H251552-41)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	432	108	400	3.77		

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	03/19/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.0 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 12 @ 2' (H251552-42)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	432	108	400	3.77		

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	03/19/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.9 % 40.6-153

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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:	03/17/2025	Sampling Date:	03/14/2025
Reported:	03/21/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 13 @ 2' (H251552-43)

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	03/18/2025	ND	2.10	105	2.00	9.61		
Toluene*	<0.050	0.050	03/18/2025	ND	2.09	105	2.00	7.97		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.04	102	2.00	7.74		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.94	99.0	6.00	6.87		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	432	108	400	3.77		

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	03/19/2025	ND	204	102	200	7.51	
DRO >C10-C28*	<10.0	10.0	03/19/2025	ND	209	104	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/19/2025	ND					

Surrogate: 1-Chlorooctane 90.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



ORDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO						ANALYSIS REQUEST																	
Company Name: BBC International, Inc.								P.O. #:															
Project Manager: Cliff Brunson								Company: Oxy															
Address: P.O. Box 805								Attn:															
City: Hobbs								State: NM	Zip: 88241														
Phone #: 575-397-6388								Fax #: 575-397-0397															
Project #:								Project Owner: Oxy															
Project Location: New Mexico								City:															
Sample Name: TWIN LAKES # 316								State:	Zip:														
Sampler Name: Roger Hernandez								Fax #:															
FOR LAB USE ONLY								Date:															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	BTEX	CL-						
H51552	Bottom 1' - 2'	C	1			/							3.14.25	730	/	/	/						
	2' - 3'	C	1			/							3.14.25	740	/	/	/						
	3' - 4'	C	1			/							3.14.25	750	/	/	/						
	4' - 5'	C	1			/							3.14.25	800	/	/	/						
	5' - 6'	C	1			/							3.14.25	810	/	/	/						
	6' - 7'	C	1			/							3.14.25	820	/	/	/						
	7' - 8'	C	1			/							3.14.25	830	/	/	/						
	8' - 9'	C	1			/							3.14.25	840	/	/	/						
	9' - 10'	C	1			/							3.14.25	850	/	/	/						
	Bottom 10'	C	1			/							3.14.25	900	/	/	/						
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Relinquished By: Roger Hernandez	Date: 3.14.25	Received By:																					
Time: 1:04																							
Date: 3.17.25	Received By:																						
Time:																							
Delivered By: (Circle One) Sampler - UPS Bus Other: <u>-L.C.B./#14D -L.C.B./C+O-BI</u>	Sample Condition <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials)																					
REMARKS:		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 #: _____																					

195



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: Oxy																													
City: Hobbs										Attn:																													
State: NM Zip: 88241																																							
Phone #: 575-397-6388										Fax #: 575-397-0397																													
Project #:										Project Owner: Oxy																													
Project Name: Twin Lakes # 316										City:																													
Project Location: New Mexico										State:										Zip:																			
Project Name: Roger Hernandez										Fax #:																													
FOR LAB USE ONLY										MATRIX										PRESERV										SAMPLING									
Lab I.D.										(G)RAB OR (C)OMP.										# CONTAINERS																			
Sample I.D.										GROUNDWATER										WASTEWATER																			
										SOIL										OIL																			
										SLUDGE										OTHER :																			
										ACID/BASE:										ICE / COOL										OTHER :									
										DATE										TIME																			
Bottom 11 @ 2'										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>									
12 @ 2'										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>									
13 @ 2'										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>									
14 @ 2'										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>									
15 @ 2'										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>									
16 @ 2'										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>									
17 @ 2'										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>									
18 @ 2'										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>									
19 @ 2'										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>									
Bottom 20 @ 2'										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>									
Bottom 20 @ 2'										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>									

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Relinquished By: Roger Hernandez										Date: 3.14.25										Received By:									
Relinquished By:										Date:										Received By:									
Time:										Time:										Time:									
Delivered By: (Circle One) <u>UPS</u>										Sample Condition										CHECKED BY:									
Sampler - UPS - Bus - Other:										<input checked="" type="checkbox"/> Good <input type="checkbox"/> Intact										<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
REMARKS:										Phone Result:										Add'l Phone #:									
Fax Result:										<input type="checkbox"/> Yes <input type="checkbox"/> No										Add'l Fax #:									



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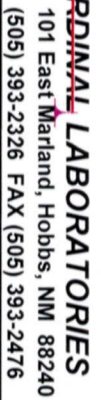
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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: Project Location: New Mexico Sample Name: <small>FOR LAB USE ONLY</small>				P.O. #: Company: Oxy Attn: Address: City: State: Zip: Phone #: Fax #:			
Lab I.D.		Sample I.D.		Matrix <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER :			
Lab I.D.		Sample I.D.		Preserv <input type="checkbox"/> ACID/BASE <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER :			
Lab I.D.		Sample I.D.		Sampling DATE TIME			
Lab I.D.		Sample I.D.		TPH BTEX CL			
Lab I.D.		Sample I.D.		ANALYSIS REQUEST			

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Relinquished By: <i>8/17/05</i> Date: <i>8/17/05</i> Received By: <i>[Signature]</i>		Relinquished By: <i>8/17/05</i> Date: <i>8/17/05</i> Received By: <i>[Signature]</i>	
Relinquished By: <i>8/17/05</i> Date: <i>8/17/05</i> Received By: <i>[Signature]</i>		Relinquished By: <i>8/17/05</i> Date: <i>8/17/05</i> Received By: <i>[Signature]</i>	
Relinquished By: <i>8/17/05</i> Date: <i>8/17/05</i> Received By: <i>[Signature]</i>		Relinquished By: <i>8/17/05</i> Date: <i>8/17/05</i> Received By: <i>[Signature]</i>	

REMARKS:
 MISSING ANALYSIS. CUSTOMER REQUESTED CL, TPH, BTEX BE REANALYZED 8/17/05



4 of 5

Page 49 of 50



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.					
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 # 316					
Project Location: New Mexico					
Sampler Name: Roger Hernandez					
FOR LAB USE ONLY					
Lab I.D.					
Sample I.D.					
(G)RAB OR (C)OMP.					
# CONTAINERS					
GROUNDWATER					
WASTEWATER					
SOIL					
OIL					
SLUDGE					
OTHER :					
ACID/BASE:					
ICE / COOL					
OTHER :					
DATE TIME					
TPH					
BTEX					
CL-					

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Relinquished By: _____ Date: 3/14/25 Received By: _____
Time: _____
Relinquished By: _____ Date: 3/17/25 Received By: _____
Time: 1:30pm
Delivered By: (Circle One) TCBC/CAD-B-Sampler - UPS - Bus - Other: -UOC/#147 Sample Condition Cool Intact Yes No Checked BY: (Initials)
REMARKS: Phone Result: Yes No Add'l Phone #: Fax Result: Yes No Add'l Fax #:



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

February 06, 2025

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BURRIS'S #2 PITT

Enclosed are the results of analyses for samples received by the laboratory on 02/03/25 11:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	BURRIS'S #2 PITT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NM		

Sample ID: BACKFILL SAMPLE (H250620-01)

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	02/03/2025	ND	1.74	86.8	2.00	11.9	
Toluene*	<0.050	0.050	02/03/2025	ND	1.81	90.3	2.00	13.6	
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.75	87.5	2.00	13.9	
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.36	89.3	6.00	14.1	
Total BTEX	<0.300	0.300	02/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	223	112	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	214	107	200	0.386	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505)

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



APPENDIX D

NMOCD Notifications

From: [Wells, Shelly, EMNRD](#)
To: [Aimee Cole](#)
Cc: [Bratcher, Michael, EMNRD](#); [Dittrich, John W](#)
Subject: RE: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #316 (Incident # nAPP2405244372)
Date: Tuesday, December 3, 2024 10:47:18 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.jpg](#)

[**EXTERNAL EMAIL**]

Hi Aimee,

This is the third and **final extension** that will be granted for the following release: NAPP2405244372 TWIN LAKES SA UNIT #316. The new due date to submit your remediation closure report to the OCD is March 3, 2025. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

[Shelly Wells](#) * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Aimee Cole <acole@ensolum.com>
Sent: Monday, December 2, 2024 3:46 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Dittrich, John W <Wade_Dittrich@oxy.com>
Subject: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #316 (Incident # nAPP2405244372)

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

To Whom it May Concern,

Oxy USA Inc. (Oxy) is requesting an extension of the current December 3, 2024, deadline for submitting a report required in 9.15.29.12.B.(1) NMAC detailing remedial actions at the Twin Lakes

SA Unit #316 (Incident # nAPP2405244372).

Following approval of the previous extension request (see below), a contractor was secured to complete excavation activities at the eight remaining Twin Lakes sites beginning the week of September 9, 2024. Excavation and soil sampling activities were able to be completed at four of the sites. Heavy rains and flooding in the Roswell area prevented access to the sites for several weeks during October and November and delayed excavation activities at the remaining four sites. Excavation activities were able to resume during the week of November 18th and are currently in progress. Closure reports are being prepared for the four completed sites; however, Oxy is requesting a 90-day extension for the remaining four sites to allow time to complete excavation and soil sampling activities and prepare a closure report or revised remediation work plan.

Thank you,



Aimee Cole
Associate Principal
720-384-7365
Ensolum, LLC

From: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Sent: Friday, September 6, 2024 10:00 AM
To: Aimee Cole <acole@ensolum.com>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Dittrich, John W <Wade_Dittrich@oxy.com>
Subject: RE: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #316 (Incident # nAPP2405244372)

[**EXTERNAL EMAIL**]

Good morning, Aimee

The extension request for Twin Lakes #316, # nAPP2405244372 is approved. The new due date to submit your remediation closure report to the OCD is December 03, 2024. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file. The incident has been updated online to reflect this new date.

Kind Regards,

From: Aimee Cole <acole@ensolum.com>
Sent: Friday, September 6, 2024 10:19 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: Dittrich, John W <Wade_Dittrich@oxy.com>

Subject: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #316 (Incident # nAPP2405244372)

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

To Whom it May Concern,

Oxy USA Inc. (Oxy) is requesting an extension of the current September 9, 2024, deadline for submitting a report required in 9.15.29.12.B.(1) NMAC detailing remedial actions at the Twin Lakes SA Unit #316 (Incident # nAPP2405244372).

Compliance with the Cultural Properties Protection (CPP) Rule was required for the site. An ARMS review was requested on March 13, 2024. Based on the ARMS review, a field archaeological survey was completed by Beaver Creek Archeology on April 12, 2024. The findings of the ARMS review and archaeological survey were submitted to the SLO on April 24, 2024. The SLO Cultural Resource Office provided approval to proceed with remediation activities on July 15, 2024. Oxy permitted and installed a soil boring to confirm depth to groundwater within 0.5 miles of the site on July 18, 2024.

A contractor has been secured to complete excavation activities at the eight remaining Twin Lakes sites beginning the week of September 9, 2024. Due to project delays for the archaeological survey, permitting and drilling of a soil boring, and contractor availability, Oxy is requesting a 90-day extension of the current deadline to allow time to evaluate depth to groundwater, complete excavation and soil sampling activities, and prepare a closure report or revised remediation work plan.

Thank you,



Aimee Cole
Associate Principal
720-384-7365
Ensolum, LLC



From: [Aimee Cole](#)
To: [Wells, Shelly, EMNRD](#)
Cc: [Hadlie Green](#)
Subject: [EXTERNAL] RE: NAPP2405244372 TWIN LAKES SA UNIT #316
Date: Monday, June 2, 2025 9:37:08 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[Twin Lakes SA Unit #316 - Figure 3.pdf](#)

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

Hi Shelly,

Please see the attached photos of the pasture excavation and updated figure 3 (with the addition of bottom sample BS8).

Let me know if you need anything else!

Thank you,



Aimee Cole
Associate Principal
720-384-7365
Ensolum, LLC
in f X

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, May 30, 2025 2:18 PM
To: Aimee Cole <acole@ensolum.com>
Subject: NAPP2405244372 TWIN LAKES SA UNIT #316

[**EXTERNAL EMAIL**]

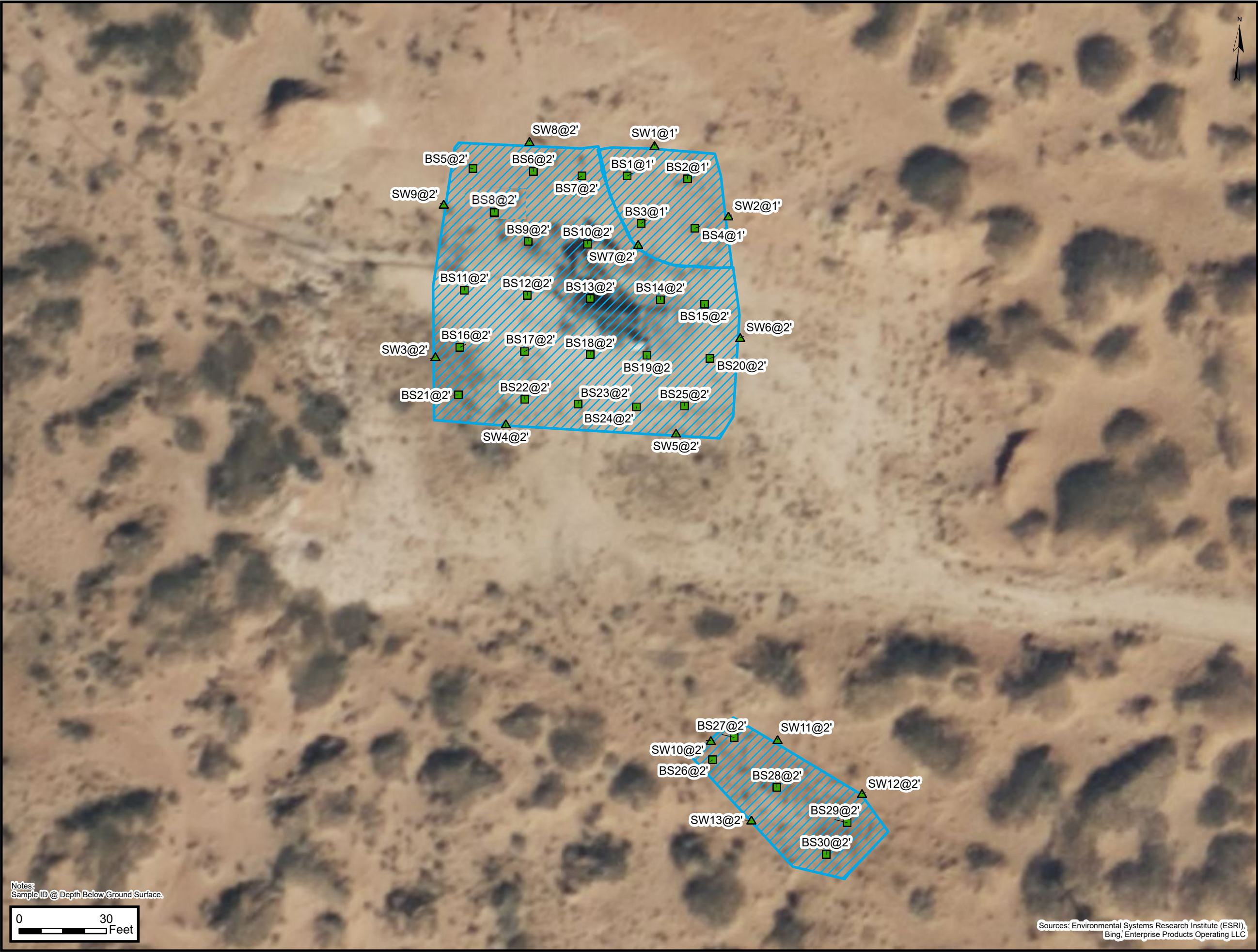
Hi Aimee,

Can you please also provide a photo or photos of the excavation that occurred in the pasture (BS26-30)? The 4 excavation photos provided look like they are of the larger excavation that mostly occurred on the pad.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



Legend

- Excavation Bottom Sample in Compliance with Closure Criteria
- Excavation Sidewall Sample in Compliance with Closure Criteria
- Excavation Extent

Excavation Soil Sample Locations

Oxy USA Inc.
Twin Lakes SA Unit #316
Incident Number: NA
I-36-08S-28E
Eddy County, New Mexico

FIGURE
3







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

QUESTIONS

Action 465348

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 465348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2405244372
Incident Name	NAPP2405244372 TWIN LAKES SA UNIT #316 @ 30-005-63185
Incident Type	Oil Release
Incident Status	Remediation Closure Report 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.

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QUESTIONS, Page 2

Action 465348

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 465348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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.
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.	

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
--	---

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QUESTIONS, Page 3

Action 465348

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 465348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>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.</i>	
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	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
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
<i>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>	
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
<i>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.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 465348

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 465348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>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>	
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
<i>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.</i>	

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QUESTIONS, Page 5

Action 465348

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 465348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 465348

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 465348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	441472
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/14/2025
What was the (estimated) number of samples that were to be gathered	43
What was the sampling surface area in square feet	11514

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	11514
What was the total volume (cubic yards) remediated	853
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	11514
What was the total volume (in cubic yards) reclaimed	853
Summarize any additional remediation activities not included by answers (above)	Excavation of impacted and waste-containing soil to reclamation requirements.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Jessica Kent Title: Eng Staff Environmental Email: jessica_kent@oxy.com Date: 05/20/2025

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Phone: (505) 476-3441

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QUESTIONS, Page 7

Action 465348

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 465348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 465348

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 465348
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	6/2/2025